



Grant, R. C. et al. (2018) Exome-wide association study of pancreatic cancer risk. *Gastroenterology*, 154(3), 719-722.e3.(doi:[10.1053/j.gastro.2017.10.015](https://doi.org/10.1053/j.gastro.2017.10.015))

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Accepted Manuscript

Exome-Wide Association Study Of Pancreatic Cancer Risk

Robert C. Grant, Robert E. Denroche, Ayelet Borgida, Carl Virtanen, Natalie Cook, Alyssa L. Smith, Ashton A. Connor, Julie M. Wilson, Gloria Peterson, Nicholas J. Roberts, Alison P. Klein, Sean M. Grimmond, Andrew Biankin, Sean Cleary, Malcolm Moore, Mathieu Lemire, George Zogopolous, Lincoln Stein, Steven Gallinger



PII: S0016-5085(17)36274-1
DOI: [10.1053/j.gastro.2017.10.015](https://doi.org/10.1053/j.gastro.2017.10.015)
Reference: YGAST 61489

To appear in: *Gastroenterology*
Accepted Date: 12 October 2017

Please cite this article as: Grant RC, Denroche RE, Borgida A, Virtanen C, Cook N, Smith AL, Connor AA, Wilson JM, Peterson G, Roberts NJ, Klein AP, Grimmond SM, Biankin A, Cleary S, Moore M, Lemire M, Zogopolous G, Stein L, Gallinger S, Exome-Wide Association Study Of Pancreatic Cancer Risk, *Gastroenterology* (2017), doi: 10.1053/j.gastro.2017.10.015.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

1 **EXOME-WIDE ASSOCIATION STUDY OF PANCREATIC CANCER RISK**

2 **Short title:** Exome-wide study of pancreatic cancer.

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4 Alyssa L. Smith⁴, Ashton A. Connor¹, Julie M. Wilson¹, Gloria Peterson⁵, Nicholas J.
5 Roberts⁶, Alison P. Klein^{6,7}, Sean M. Grimmond⁸, Andrew Biankin⁸, Sean Cleary^{1,2},
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18

19 **Grant support:** This study was conducted with the support of the Ontario Institute for

20 Cancer Research (PanCuRx Translational Research Initiative) through funding provided

21 by the Government of Ontario (Ministry of Research and Innovation); a Canadian Cancer

22 Society Research Institute grant (702316); the Wallace-McCain Centre for Pancreatic

23 Cancer at the Princess Margaret Cancer Centre; the Weston Garfield Foundation; and the

1 National Cancer Institute/National Institutes of Health (NIH) (P 50 CA062924,
2 R01CA97075, K99CA190889) and Susan Wojcicki and Dennis Troper.

3 **Abbreviations:** OR: adjusted odds ratio, RDV: rare damaging variant, RIV: rare
4 inactivating variant.

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7 **Conflict of Interest:** Dr. Klein has a licensing agreement for *PALB2*. This conflict is
8 managed by the Johns Hopkins University. There are no other conflicts of interest to
9 declare.

10 **Author contributions:** Study concept and design: RCG, RED, GZ, SG. Acquisition of
11 data: RCG, AB, CV, NC, ALS, AAC, JMW, GP, NJR, APK, SMG, AB, MM, ML, GZ,
12 SG. Analysis of data: RCG, RED. Statistical analysis: RCG. Interpretation of data: all
13 authors. Drafting of manuscript: RCG, SG. Critical revision of the manuscript for
14 important intellectual content: all authors. Obtained funding: MM, GZ, SG.

15

1 **ABSTRACT**

2 We conducted a case–control exome-wide association study to discover germline variants
3 in coding regions that affect risk for pancreatic cancer, combining data from 5 studies.
4 We analyzed exome and genome sequencing data from 437 patients with pancreatic
5 cancer (cases) and 1922 individuals not known to have cancer (controls). In the primary
6 analysis, *BRCA2* had the strongest enrichment for rare inactivating variants (17/437 cases
7 vs 3/1922 controls) ($P=3.27 \times 10^{-6}$; exome-wide statistical significance threshold
8 $P < 2.5 \times 10^{-6}$). Cases had more rare inactivating variants in DNA repair genes than
9 controls, even after excluding 13 genes known to predispose to pancreatic cancer
10 (adjusted odds ratio, 1.35, $P=.045$). At the suggestive threshold ($P < .001$), 6 genes were
11 enriched for rare damaging variants (*UHMK1*, *APIG2*, *DNTA*, *CHST6*, *FGFR3*, and
12 *EPHA1*) and 7 genes had associations with pancreatic cancer risk, based on the sequence-
13 kernel association test. We confirmed variants in *BRCA2* as the most common high-
14 penetrant genetic factor associated with pancreatic cancer and we also identified
15 candidate pancreatic cancer genes. Large collaborations and novel approaches are needed
16 to overcome the genetic heterogeneity of pancreatic cancer predisposition.

17 **KEYWORDS:** pancreas, familial cancer, inherited cancer, rare variant burden tests

18

19 New strategies to prevent and treat pancreatic cancer are urgently needed. Identifying
20 germline genetic variants that predispose to the disease may improve the design of
21 screening studies and uncover new therapeutic targets. Epidemiological studies suggest
22 that most of the inherited causes of pancreatic cancer remain undiscovered¹.

1 Next-generation sequencing has revolutionized our understanding of the genetic
2 causes of disease. To date, exome and genome sequencing studies of pancreatic cancer
3 have used approaches that filter most genetic variants leaving a short list of candidates²⁻⁴.
4 With filter-based approaches, the optimal filtering criteria are unclear and there is no
5 quantification of type I or II error. Case-control studies have been used to overcome these
6 limitations when studying other cancers⁵.

7 We conducted the first case-control exome-wide association study to discover
8 germline coding variation that affects pancreatic cancer risk. We combined germline data
9 from five studies. After implementing quality controls and limiting the analysis to
10 probands with European ancestry, our cohort included 437 unrelated cases diagnosed
11 with pancreatic adenocarcinoma and 1,922 controls not known to have cancer
12 (Supplementary Methods, Supplementary Table 1). We previously published germline
13 data on 74 cases within this cohort as part of filter-based analyses⁶. Germline data has not
14 been previously published on the remaining cases, but they were included in studies of
15 somatic tumour sequencing^{7,8}. To minimize bias, we considered the intersection of the
16 capture kits (Supplementary File 1).

17 Our primary analysis focused on rare inactivating variants (RIVs). RIVs were
18 defined as having allele frequencies less than .01 in our cohort and the ExAC database⁹,
19 excluding the TCGA samples. RIVs included frameshift insertions and deletions, and
20 stopgain, stoploss, and splice-site variants. Secondary analysis included rare damaging
21 variants (RDVs) and nonsynonymous variants. RDVs were either inactivating or
22 predicted to be pathogenic using the M-CAP classifier¹⁰. Nonsynonymous variants

1 included inactivating variants, missense single-nucleotide variants, and non-frameshift
2 insertions and deletions.

3 We detected 441,456 variants in 17,745 genes, including 103,873 RDVs and
4 15,231 RIVs. Cases and controls carried a median of 13 (interquartile range: 10-16) and
5 13 (10-16) RIVs, respectively (Wilcoxon rank-sum test $P=.269$).

6 To estimate the power of our cohort, we used a simulation-based “spike-in”
7 procedure based on the observed variant distribution (Supplementary Methods). We
8 calculated that our study had 80% power to detect a gene significantly enriched for RIVs
9 with an odds ratio of 10 and a carrier rate of 6.6% at the exome-wide statistical
10 significance level ($P<2.5\times 10^{-6}$) (Figure 1a). At the suggestive level ($P<.001$), our study
11 had 80% power to detect an odds ratio of 5 and a carrier rate of 5.5% (Figure 1b). Our
12 power to identify genes enriched for RDVs was modestly diluted because of the
13 additional variants considered (data not shown).

14 In the primary analysis focused on RIVs, *BRCA2* had the strongest association
15 (adjusted odds ratio (OR)=18.6; $P=3.27\times 10^{-6}$), nearly meeting exome-wide significance
16 ($P=2.5\times 10^{-6}$) (Figure 2a, Supplementary Table 2). 17/437 (3.9%) cases carried RIVs,
17 compared to 3/1,922 controls (.2%). Five cases and one control carried rs80359550
18 (c.5946delT), an Ashkenazi Jewish founder variant. Ashkenazi Jewish ancestry was
19 unavailable for controls. In a sensitivity analysis excluding carriers of rs80359550,
20 12/432 cases versus 2/1,921 controls carried non-founder RIVs in *BRCA2*, providing an
21 adjusted odds ratio of 17.7 ($P=1.1\times 10^{-4}$). The only other RIV present in multiple
22 individuals was a previously unreported variant, c.10095_10096insT
23 (chr13:32972745insT), which was present in one case and two controls, and occurred in

1 the last exon of the gene. No other gene besides *BRCA2* had suggestive evidence
2 ($P < .001$) of an association with RIVs.

3 To compare these results with a filter-based approach, we examined the top ten
4 genes selected by counting RIVs in cases, which ranged from 12 RIVs in *GUCA1C* to 18
5 in *DNAH14* (Supplementary Table 2). When comparing cases with controls, most of
6 these genes had limited evidence of association ($P > .05$), other than *BRCA2*. *PZP* (P
7 $= .026$), *IFNA5* ($P = .034$), and *GUCA1C* ($P = .047$) had nominal associations.

8 Cases had more RIVs in DNA repair genes than controls (OR=1.61, $P = .005$),
9 even after 13 excluding genes known to predispose to pancreatic cancer¹¹ (OR=1.35,
10 $P = .045$) (Supplementary Table 3). 76/437 cases carried a total of 84 RIVs in DNA repair
11 genes, whereas 279/1922 controls carried a total of 310 RIVs. Among the DNA repair
12 genes, the strongest associations were for *POLN* (7/437 cases versus 13/1922 controls,
13 OR=3.9, $P = .014$) and *DCLRE1A* (7/437 cases versus 16/1922 controls, OR=5.4, $P = .003$).
14 Two variants drove those associations: rs3833632, a frameshift deletion in *POLN* (6/437
15 cases versus 9/1922 controls, OR=6.7, $P = .002$); and rs41292634, a stopgain single-
16 nucleotide variant in *DCLRE1A* (6/437 cases versus 13/1922 controls, OR=5.5, $P = .006$).
17 There was no association with cancer predisposition genes ($P = .15$) or with genes with
18 recurrent somatic alterations in pancreatic cancers ($P = .33$).

19 No gene passed exome-wide significance in secondary analyses, although several
20 had suggestive evidence (Supplementary Table 2). RDV were enriched in *UHMK1*
21 ($P = 7.14 \times 10^{-5}$), *AP1G2* ($P = 6.6.1 \times 10^{-4}$), *DNTA* ($P = 7.72 \times 10^{-4}$), *CHST6* ($P = 8.23 \times 10^{-4}$),
22 *FGFR3* ($P = 8.56 \times 10^{-4}$) and *EPHA1* ($P = 9.53 \times 10^{-4}$) (Figure 2b). In these six genes, the
23 associations were caused by multiple RDV, each present in only one to four individuals.

1 The exception was rs17881656 in *FGFR3*, which was present in 8/437 cases and 20/1922
2 controls (OR=3.0, $P=.04$) (Supplementary Table 4). Seven genes had suggestive evidence
3 of association using the sequence-kernel association test. A strong signal from a single
4 variant was present in most of these genes. For instance, 6/7 genes harbored an individual
5 variant with $P<.001$. No individual variant had a significant association after Bonferroni
6 correction (Supplementary Table 4).

7 Previous studies have shown that *BRCA2* causes 3-5% of pancreatic cancers in
8 population-¹¹ and clinic-based cohorts¹² and leads to a distinct genomic signature in the
9 associated tumours^{8,13}. Our exome-wide association study confirms that *BRCA2* is the
10 most common high-penetrant cause of pancreatic cancer.

11 Beyond *BRCA2*, we identified several genes with suggestive evidence for an
12 association with pancreatic cancer. Some of these candidate genes have putative roles in
13 cancer and potential therapeutic implications. For example, *FGFR3* is a tyrosine receptor
14 kinase involved in multiple oncogenic pathways and inhibitors are under investigation in
15 clinical trials¹⁴. We also detected an association between RIVs in the DNA repair
16 pathway and pancreatic cancer, building on earlier filter-based studies^{4,6}. The role of
17 these candidate genes should be confirmed in replication and functional studies before
18 they are incorporated into clinical practice.

19 Our study demonstrates the challenges associated with the genetic heterogeneity
20 that underlies pancreatic cancer predisposition. Larger collaborative initiatives will be
21 needed to attain statistical power to detect genes with low carrier rates and small effects.
22 Sample size will be particularly important when exploring the non-coding regions, which
23 harbor substantially more genetic variation. Other opportunities to facilitate the discovery

1 of new loci include the use of novel statistical and bioinformatics methodologies, family-
2 based designs, and the incorporation of somatic mutational data.

3

4

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5

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17 Author names in bold designate shared co-first authorship.

18

19 FIGURES

20 **Figure 1:** Power to detect a gene enriched for rare inactivating variants based on an
21 empirical “spike-in” procedure. 1a) Power at the exome-wide significance level
22 $P < 2.5 \times 10^{-6}$. 1b) Power at the suggestive significance level $P < .001$.

1 **Figure 2:** Manhattan plots and quantile-quantile plots for gene-based case-control
2 association analyses. 2a) Rare inactivating variants. 2b) Rare damaging variants.

3

4 **SUPPLEMENTAL DOCUMENTS**

5 **Supplementary methods**

6 **Supplementary Table 1:** Characteristics of the pancreatic cancer cases and controls
7 included in the association analysis.

8 **Supplementary Table 2:** Results of the gene-based association analysis.

9 **Supplementary Table 3:** Genes included in the gene-set analysis.

10 **Supplementary Table 4:** Results of the nonsynonymous single-variant association
11 analysis.

12 **Supplementary File 1:** Bed file of regions included in the intersection of the exome
13 capture kits.

14

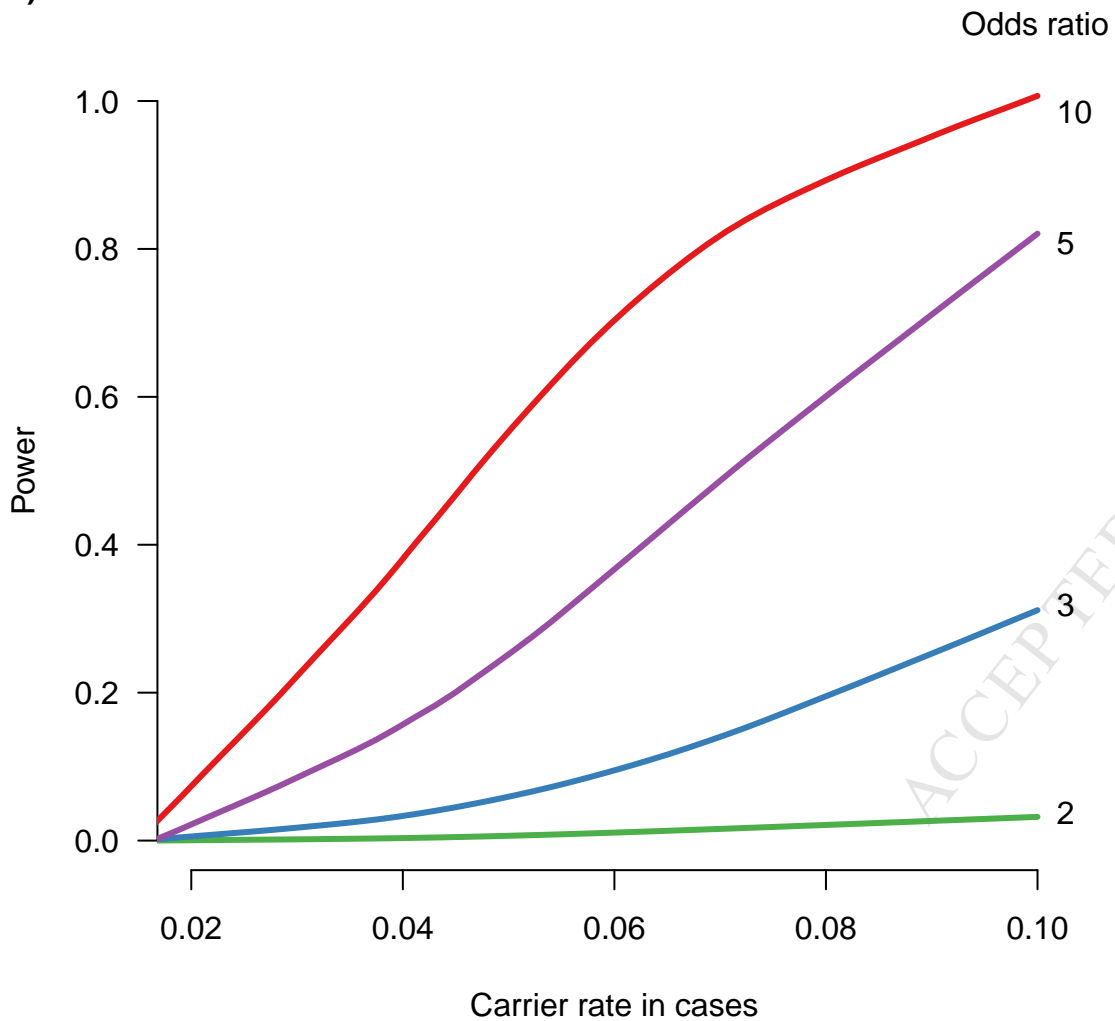
15 **ACKNOWLEDGEMENTS**

16 The Alzheimer's Disease Sequencing Project (ADSP) is comprised of two Alzheimer's
17 Disease (AD) genetics consortia and three National Human Genome Research Institute
18 (NHGRI) funded Large Scale Sequencing and Analysis Centers (LSAC). The two AD
19 genetics consortia are the Alzheimer's Disease Genetics Consortium (ADGC) funded by
20 NIA (U01 AG032984), and the Cohorts for Heart and Aging Research in Genomic
21 Epidemiology (CHARGE) funded by NIA (R01 AG033193), the National Heart, Lung,
22 and Blood Institute (NHLBI), other NIH institutes and other foreign governmental and
23 non-governmental organizations. The Discovery Phase analysis of sequence data is

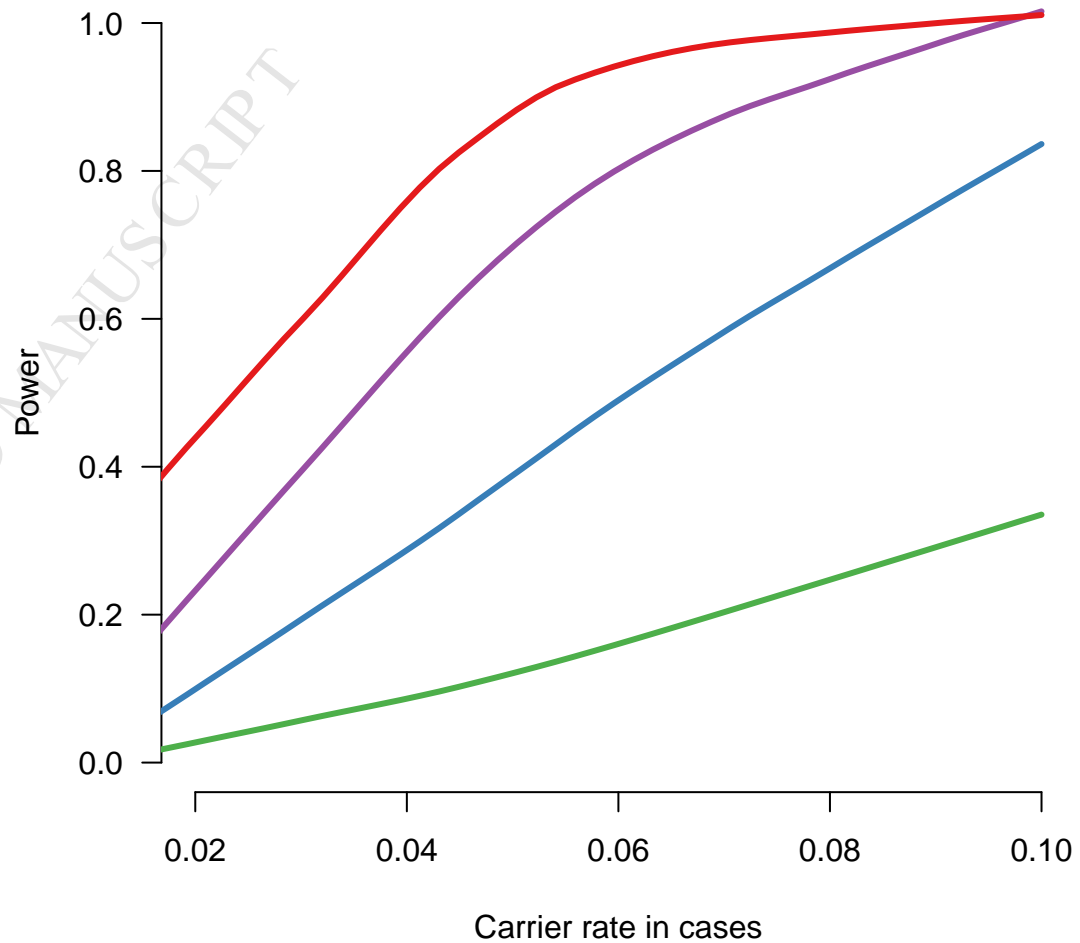
- 1 supported through UF1AG047133 (to Drs. Schellenberg, Farrer, Pericak-Vance, Mayeux,
- 2 and Haines); U01AG049505 to Dr. Seshadri; U01AG049506 to Dr. Boerwinkle;
- 3 U01AG049507 to Dr. Wijsman; and U01AG049508 to Dr. Goat.

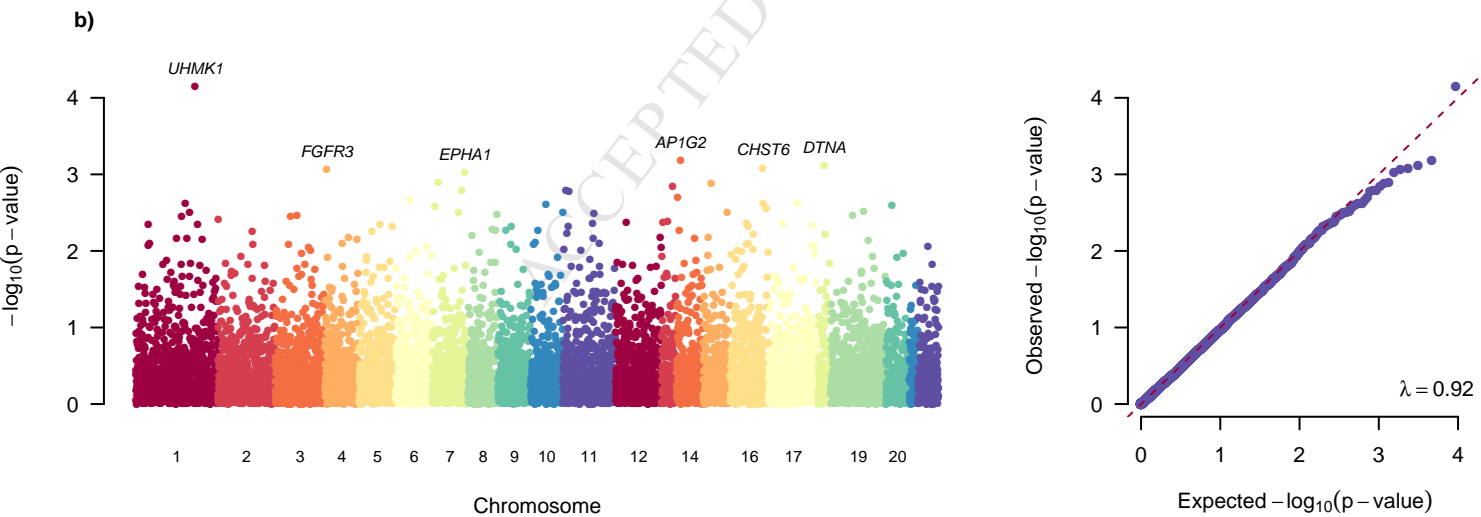
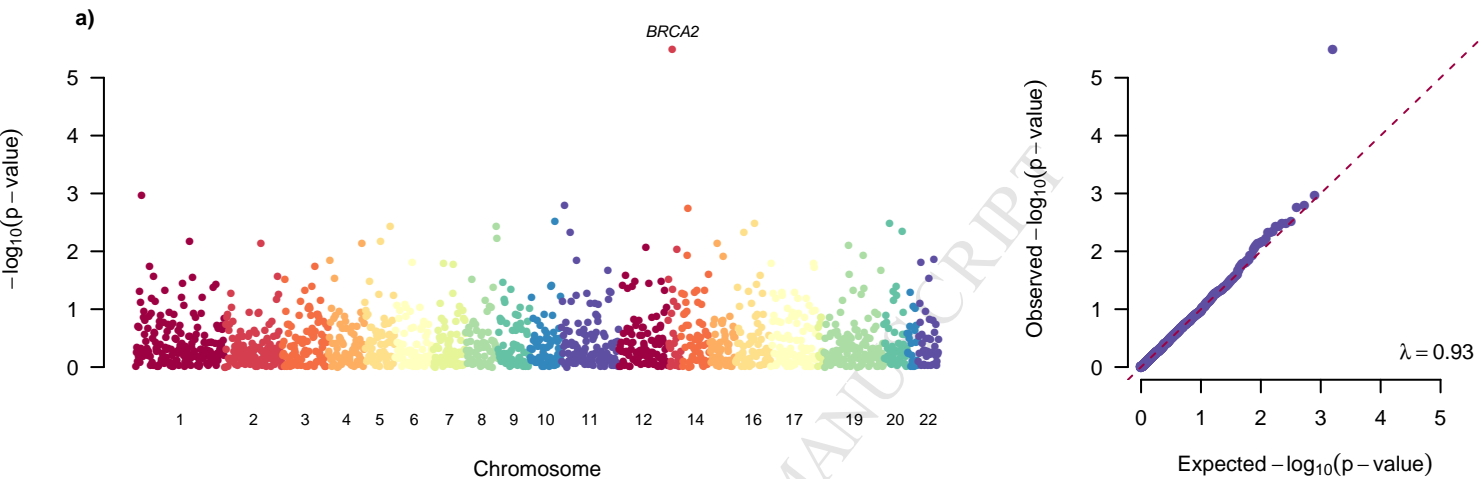
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a)



b)





Supplementary Table 1: Characteristics of the pancreatic cancer case

Characteristics

Age¹Female²

Ashkenazi Jewish

Yes

Unavailable

Current or former cigarette smoker

Yes

Unavailable

Sequencing depth within target

Cohort

Ontario Institute for Cancer Research

Ontario Pancreas Cancer Study

Both Ontario cohorts

Quebec Pancreas Cancer Study

International Cancer Genome Consortium, PACA-AU

Alzheimer Disease Sequencing Project: Baylor College of Medicine

Alzheimer Disease Sequencing Project: Broad Institute

Alzheimer Disease Sequencing Project: Washington University

First degree relatives with pancreatic cancer

0

1

2

Unavailable

Stage

I

II

III

IV

Unavailable

Resection

Yes

Unavailable

Median survival (months)³

Resected

Unresected

¹Continuous data is presented as mean (standard error) and compared using

²Categorical data is presented as number (percentage of non-missing) and

³Median survival estimated using the Kaplan Meier estimate. Survival was measured from diagnosis date based on biopsy or imaging for unresected cases.

s and controls included in the association analysis.

Cases (N=437)	Controls (N=1922)	P
64.9 (0.6)	79.7 (0.2)	<0.001
201 (46.0)	1086 (56.5)	<0.001
24 (11.1)	.	.
221	1922	.
118 (50.9)	.	.
205	1922	.
76.2 (4.0)	66.7 (0.4)	0.015
158 (36.1)	.	.
124 (28.4)	.	.
70 (16.0)	.	.
17 (3.9)	.	.
68 (15.6)	.	.
.	300 (15.6)	.
.	580 (30.2)	.
.	1042 (52.2)	.
189 (77.1)	.	.
50 (20.4)	.	.
6 (2.5)	.	.
192	1922 (100)	.
27 (6.2)	.	.
317 (72.7)	.	.
14 (3.2)	.	.
78 (17.9)	.	.
1	.	.
341 (90.0)	.	.
58	.	.
24.0	.	.
9.3	.	.

ng t-tests.

compared using Fisher tests.

measured from resection date for resected cases and from

Supplementary Table 2: Results of the gene-based association analysis.

Chromosome	Start_Position	Gene	N_Case_RIV	N_Control_RIV
19	58862875	<i>A1BG</i>	1	4
10	52588045	<i>A1CF</i>	0	1
12	9229428	<i>A2M</i>	0	0
12	9013783	<i>A2ML1</i>	2	9
1	33786708	<i>A3GALT2</i>	0	0
22	43089055	<i>A4GALT</i>	0	1
3	137849703	<i>A4GNT</i>	3	10
12	53702058	<i>AAAS</i>	1	0
12	125626685	<i>AACS</i>	0	1
3	151545858	<i>AADAC</i>	0	0
3	151538253	<i>AADACL2</i>	0	2
1	12726521	<i>AADACL4</i>	0	0
4	170983115	<i>AADAT</i>	0	0
9	99413954	<i>AAED1</i>	1	2
15	67495210	<i>AAGAB</i>	0	2
2	69771644	<i>AAK1</i>	0	0
11	77583316	<i>AAMDC</i>	0	0
2	219131215	<i>AAMP</i>	0	0
17	74465899	<i>AANAT</i>	0	0
20	34843580	<i>AAR2</i>	0	3
16	70304092	<i>AARS</i>	1	1
6	44279222	<i>AARS2</i>	0	0
4	57250285	<i>AASDH</i>	1	3
11	105961326	<i>AASDHPPT</i>	0	1
7	121773571	<i>AASS</i>	1	0
17	35348058	<i>AATF</i>	2	4
17	79095085	<i>AATK</i>	0	0
16	8862679	<i>ABAT</i>	0	1
9	107620872	<i>ABCA1</i>	0	0
17	67150118	<i>ABCA10</i>	3	3
2	215882753	<i>ABCA12</i>	1	1
7	48312357	<i>ABCA13</i>	3	15
9	139911571	<i>ABCA2</i>	0	3
16	2345672	<i>ABCA3</i>	0	3
1	94463617	<i>ABCA4</i>	0	2
17	67293363	<i>ABCA5</i>	0	0
17	67109493	<i>ABCA6</i>	4	4

19	1058635	ABCA7	2	11
17	66899468	ABCA8	1	8
17	67028260	ABCA9	2	10
7	87170751	ABCB1	0	1
1	229663065	ABCB10	0	0
2	169836475	ABCB11	0	0
7	87049368	ABCB4	0	0
7	20666235	ABCB5	3	7
2	220078882	ABCB6	0	1
7	150738180	ABCB8	0	0
12	123416712	ABCB9	0	1
16	16228350	ABCC1	1	4
6	43400018	ABCC10	0	3
16	48256650	ABCC11	0	25
16	48138175	ABCC12	5	27
10	101595925	ABCC2	0	8
17	48761397	ABCC3	1	6
13	95860098	ABCC4	3	3
3	183669762	ABCC5	0	1
16	16291858	ABCC6	2	7
11	17450115	ABCC8	0	2
12	21958916	ABCC9	1	9
12	39973390	ABCD2	0	1
1	94930315	ABCD3	1	1
14	74766352	ABCD4	0	1
7	150912142	ABCF2	0	0
3	183908941	ABCF3	1	0
21	43702455	ABCG1	0	0
4	89022393	ABCG2	0	2
11	119031074	ABCG4	0	0
2	44058967	ABCG5	1	0
2	44079704	ABCG8	0	5
2	27352951	ABHD1	2	1
3	111710532	ABHD10	0	0
7	73151426	ABHD11	0	0
20	25282949	ABHD12	0	3
14	51352331	ABHD12B	14	36
13	108882520	ABHD13	0	0
3	52018184	ABHD14A	0	0
3	52003517	ABHD14B	8	42
17	27889643	ABHD15	0	0

20	62493574	<i>ABHD16B</i>	0	0
4	128904161	<i>ABHD18</i>	2	2
15	89698695	<i>ABHD2</i>	0	0
18	19263904	<i>ABHD3</i>	1	1
14	23078738	<i>ABHD4</i>	0	1
3	43756503	<i>ABHD5</i>	0	0
3	58253030	<i>ABHD6</i>	0	0
19	17412207	<i>ABHD8</i>	0	1
10	27040624	<i>ABI1</i>	0	0
2	204281716	<i>ABI2</i>	0	0
17	47296961	<i>ABI3</i>	0	0
3	100621475	<i>ABI3BP</i>	0	3
9	133760593	<i>ABL1</i>	0	0
1	179100492	<i>ABL2</i>	2	4
10	116207676	<i>ABLIM1</i>	1	15
4	8079370	<i>ABLIM2</i>	1	2
5	148629408	<i>ABLIM3</i>	0	1
17	959286	<i>ABR</i>	0	1
8	107773595	<i>ABRA</i>	1	0
6	26597402	<i>ABT1</i>	0	0
3	127391847	<i>ABTB1</i>	6	26
11	34186811	<i>ABTB2</i>	1	6
3	38164568	<i>ACAA1</i>	0	0
18	47329189	<i>ACAA2</i>	0	0
17	35580406	<i>ACACA</i>	0	1
12	109679032	<i>ACACB</i>	0	11
12	112191632	<i>ACAD10</i>	1	7
3	132297725	<i>ACAD11</i>	2	3
11	134130915	<i>ACAD8</i>	0	0
3	128621419	<i>ACAD9</i>	2	1
2	211082674	<i>ACADL</i>	8	28
1	76228388	<i>ACADM</i>	0	2
12	121174905	<i>ACADS</i>	0	0
10	124802697	<i>ACADSB</i>	0	2
17	7123838	<i>ACADVL</i>	0	1
15	89417629	<i>ACAN</i>	0	1
17	7240059	<i>ACAP1</i>	0	0
3	195022313	<i>ACAP2</i>	0	1
1	1233955	<i>ACAP3</i>	0	0
11	108014795	<i>ACAT1</i>	0	0
6	160196296	<i>ACAT2</i>	0	1

1	226352498	ACBD3	0	0
17	43215270	ACBD4	0	0
10	27493428	ACBD5	0	1
11	44098878	ACCS	0	0
11	44077644	ACCSL	0	2
16	67693916	ACD	0	1
17	61574234	ACE	1	2
19	6312273	ACER1	0	0
9	19450523	ACER2	0	0
11	76687300	ACER3	0	0
7	100487834	ACHE	0	0
14	23549383	ACIN1	0	0
1	159175832	ACKR1	2	1
3	42906525	ACKR2	2	0
2	237489738	ACKR3	0	0
17	40052870	ACLY	0	0
2	135616877	ACMSD	0	0
9	32448905	ACO1	0	1
22	41922409	ACO2	0	1
1	55096472	ACOT11	1	2
5	80626219	ACOT12	0	4
6	24698215	ACOT13	0	0
14	74060487	ACOT4	0	3
14	74086415	ACOT6	0	2
1	6473294	ACOT7	0	0
20	44477196	ACOT8	0	13
17	73944392	ACOX1	0	0
3	58516318	ACOX2	5	13
4	8372665	ACOX3	0	1
2	111753543	ACOXL	2	8
2	265010	ACP1	0	0
11	47267009	ACP2	0	1
19	11685942	ACP5	0	0
1	147126437	ACP6	0	1
19	39592138	ACP7	0	3
3	132036388	ACPP	1	10
19	51297794	ACPT	1	1
12	6749388	ACRBP	2	7
11	125548114	ACRV1	0	0
15	78474374	ACSBG1	0	0
19	6183092	ACSBG2	0	0

17	48539035	ACSF2	0	2
16	89187213	ACSF3	0	1
4	185678849	ACSL1	0	0
2	223783811	ACSL3	0	0
10	114136110	ACSL5	0	1
5	131347174	ACSL6	1	1
16	20681245	ACSM1	1	1
16	20497944	ACSM2A	1	5
16	20548624	ACSM2B	0	2
16	20796387	ACSM3	7	38
12	7469850	ACSM4	0	1
16	20451695	ACSM5	0	2
10	96979645	ACSM6	0	5
20	25003597	ACSS1	1	0
20	33509341	ACSS2	0	2
12	81593207	ACSS3	0	1
5	56777586	ACTBL2	1	0
20	32255866	ACTL10	0	0
3	179301179	ACTL6A	0	0
9	111625883	ACTL7A	0	0
9	111617827	ACTL7B	0	0
1	18149530	ACTL8	0	0
19	8808149	ACTL9	0	1
14	69347632	ACTN1	0	1
1	236907966	ACTN2	0	0
19	39220009	ACTN4	0	0
14	58690506	ACTR10	0	0
2	98274527	ACTR1B	0	1
20	37378730	ACTR5	0	0
12	100603915	ACTR6	0	0
3	53906551	ACTR8	0	1
1	2938506	ACTRT2	0	0
3	169486045	ACTRT3	2	0
2	158655916	ACVR1	0	0
2	158406903	ACVR1C	0	0
2	148677817	ACVR2A	0	0
3	38524814	ACVR2B	0	0
12	52306341	ACVRL1	0	0
3	52020295	ACY1	1	3
11	67414433	ACY3	0	0
14	75530167	ACYP1	0	0

2	54362591	ACYP2	0	0
20	43254304	ADA	0	0
4	123336571	ADAD1	0	0
16	84228683	ADAD2	1	1
15	43632549	ADAL	0	0
15	58919999	ADAM10	0	0
17	42853584	ADAM11	0	0
10	127726849	ADAM12	1	0
1	155029515	ADAM15	1	1
2	9650120	ADAM17	0	0
8	39442878	ADAM18	1	10
5	156926605	ADAM19	0	2
8	39678608	ADAM2	3	8
14	70990680	ADAM20	0	2
14	70925501	ADAM21	0	0
7	87564309	ADAM22	0	1
2	207424795	ADAM23	0	0
8	24188804	ADAM28	3	2
4	175898967	ADAM29	7	23
1	120438003	ADAM30	0	2
8	39131830	ADAM32	0	2
20	3650234	ADAM33	1	4
8	24350676	ADAM7	1	9
10	135084481	ADAM8	1	16
8	38884273	ADAM9	0	0
8	24261518	ADAMDEC1	1	2
21	28216692	ADAMTS1	0	0
19	8654762	ADAMTS10	0	0
5	33577096	ADAMTS12	1	1
9	136298797	ADAMTS13	0	0
10	72520231	ADAMTS14	0	5
11	130342993	ADAMTS15	0	0
5	5239921	ADAMTS16	0	0
15	100589135	ADAMTS17	2	1
16	77393241	ADAMTS18	0	1
5	128984605	ADAMTS19	0	1
5	178581124	ADAMTS2	0	0
12	43846378	ADAMTS20	1	4
4	73186462	ADAMTS3	0	0
1	161161003	ADAMTS4	0	0
21	28338345	ADAMTS5	1	0

5	64538031	ADAMTS6	0	0
15	79069924	ADAMTS7	0	0
11	130286151	ADAMTS8	0	1
3	64532566	ADAMTS9	1	0
9	18622357	ADAMTSL1	0	0
9	136409580	ADAMTSL2	0	0
15	84611805	ADAMTSL3	1	2
1	150528790	ADAMTSL4	6	17
19	1506219	ADAMTSL5	0	4
7	943814	ADAP1	0	0
17	29284897	ADAP2	0	3
1	154561925	ADAR	0	0
21	46595985	ADARB1	0	0
10	1246183	ADARB2	0	0
16	75654590	ADAT1	0	1
6	143749739	ADAT2	0	0
19	1908475	ADAT3	0	1
14	78365580	ADCK1	0	1
7	140394477	ADCK2	5	19
1	227171484	ADCK3	1	2
19	41198210	ADCK4	0	1
8	145616791	ADCK5	0	0
7	45614565	ADCY1	5	0
1	167871253	ADCY10	1	7
5	7773138	ADCY2	0	0
2	25046129	ADCY3	0	0
14	24793510	ADCY4	2	4
3	123021971	ADCY5	0	0
12	49170336	ADCY6	0	1
16	50346030	ADCY7	0	3
8	131792810	ADCY8	0	0
16	4016196	ADCY9	0	0
7	31104441	ADCYAP1R1	0	0
4	2916762	ADD1	0	4
2	70910843	ADD2	1	6
10	111893259	ADD3	0	0
6	147128631	ADGB	0	1
10	134916329	ADGRA1	0	1
8	37699013	ADGRA2	0	2
4	22456541	ADGRA3	0	0
8	143623657	ADGRB1	0	0

1	32201137	ADGRB2	0	0
6	70082347	ADGRB3	0	0
12	131589471	ADGRD1	0	0
19	6940037	ADGRE1	2	3
19	14887509	ADGRE2	1	4
19	14765911	ADGRE3	1	1
19	14517594	ADGRE5	0	0
6	46991943	ADGRF1	0	1
6	47653746	ADGRF2	0	4
2	26536758	ADGRF3	7	31
6	47682310	ADGRF4	0	3
6	46851908	ADGRF5	0	0
16	57695749	ADGRG1	1	2
16	57718325	ADGRG3	0	0
16	57601876	ADGRG5	0	0
6	142736153	ADGRG6	0	2
3	100368546	ADGRG7	2	3
19	14281582	ADGRL1	0	0
1	82456501	ADGRL2	0	0
4	62598530	ADGRL3	0	0
1	79470869	ADGRL4	0	2
5	89953849	ADGRV1	1	4
4	100200659	ADH1A	0	1
4	100232066	ADH1B	0	0
4	100062729	ADH4	0	0
4	100009855	ADH5	0	0
4	100140306	ADH6	0	0
4	100334294	ADH7	0	0
8	67356665	ADHFE1	0	0
2	3504615	ADI1	0	0
20	37214679	ADIG	0	0
3	186572124	ADIPOQ	1	0
12	1863515	ADIPOR2	0	0
10	88730192	ADIRF	2	3
10	75960513	ADK	0	0
11	10327246	ADM	0	0
22	50921163	ADM2	2	1
19	50193538	ADM5	2	0
20	49509295	ADNP	0	0
18	77891079	ADNP2	0	1
1	203134385	ADORA1	0	0

22	24836657	ADORA2A	0	0
17	15878527	ADORA2B	0	1
1	112045709	ADORA3	0	3
15	73052845	ADPGK	0	0
3	119306334	ADPRH	3	12
13	114078617	ADPRHL1	0	1
1	36556921	ADPRHL2	0	0
17	10614442	ADPRM	0	0
8	26627933	ADRA1A	0	1
5	159344812	ADRA1B	0	0
20	4202290	ADRA1D	0	5
10	112837883	ADRA2A	1	0
2	96780632	ADRA2B	0	0
10	115804206	ADRB1	0	0
5	148207492	ADRB2	0	0
8	37823499	ADRB3	0	0
11	67051248	ADRBK1	0	0
22	26100144	ADRBK2	0	1
20	60882754	ADRM1	0	0
22	40760264	ADSL	0	0
1	244595901	ADSS	0	0
14	105207171	ADSSL1	0	0
6	11714761	ADTRP	0	1
7	44150520	AEBP1	0	1
15	89172558	AEN	0	2
4	7783273	AFAP1	1	0
5	148697308	AFAP1L1	0	1
10	116060005	AFAP1L2	0	0
4	87967339	AFF1	0	2
2	100199339	AFF3	0	0
5	132272801	AFF4	0	0
18	12356738	AFG3L2	0	2
4	74357614	AFM	1	12
17	76201234	AFMID	3	9
4	74318222	AFP	3	14
2	64779622	AFTPH	0	0
4	178359960	AGA	1	0
2	236954601	AGAP1	0	0
12	58124360	AGAP2	2	1
7	150839058	AGAP3	0	0
15	86807754	AGBL1	1	15

11	47688547	AGBL2	1	3
7	134718954	AGBL3	0	6
1	49128866	AGBL4	0	2
2	27277519	AGBL5	0	1
2	228398422	AGFG1	0	0
7	100159925	AGFG2	0	0
5	76342489	AGGF1	1	0
7	141315354	AGK	0	0
1	100358103	AGL	1	6
1	15905471	AGMAT	1	4
7	15601449	AGMO	6	24
1	36379594	AGO1	0	0
1	36474491	AGO3	0	0
1	36306901	AGO4	0	0
9	139568309	AGPAT2	1	0
21	45390581	AGPAT3	0	0
6	161586725	AGPAT4	0	1
8	6612627	AGPAT5	0	1
2	178346854	AGPS	0	1
7	16913471	AGR3	1	7
1	982947	AGRN	0	0
16	67516653	AGRP	0	0
1	230845901	AGT	0	0
9	88207577	AGTPBP1	0	0
3	148458807	AGTR1	0	0
1	11805916	AGTRAP	0	0
2	241815426	AGXT	0	2
5	35035404	AGXT2	0	2
1	247027382	AHCTF1	0	0
20	32878263	AHCY	0	0
1	110555081	AHCYL1	0	1
7	129053505	AHCYL2	0	0
1	27877816	AHDC1	0	0
6	135606755	AHI1	1	4
11	62299744	AHNAK	0	0
14	105419986	AHNAK2	0	2
7	17349605	AHR	0	0
5	422882	AHRR	0	0
14	77931941	AHSA1	0	0
2	61412677	AHSA2	1	7
3	186331119	AHSG	0	0

16	31539841	AHSP	0	0
9	133996547	AIF1L	2	6
10	71883769	AIFM2	2	2
22	21332077	AIFM3	0	1
6	106968959	AIM1	0	8
1	26648680	AIM1L	0	1
1	159033387	AIM2	0	2
4	107248730	AIMP1	0	0
7	6063223	AIMP2	0	1
11	67257574	AIP	0	0
17	6328998	AIPL1	1	3
21	45717521	AIRE	1	2
1	4772535	AJAP1	0	0
14	23444263	AJUBA	0	0
9	130635295	AK1	0	1
1	33480214	AK2	0	0
9	4741075	AK3	0	0
1	78001642	AK5	0	0
14	96864462	AK7	0	2
9	135739127	AK8	0	5
6	109835452	AK9	2	1
17	55183195	AKAP1	0	0
17	19871740	AKAP10	0	0
13	42877580	AKAP11	0	0
6	151672016	AKAP12	0	0
15	86198866	AKAP13	2	1
12	4735734	AKAP3	0	3
14	64935914	AKAP5	0	0
14	33014534	AKAP6	0	0
6	131574209	AKAP7	0	1
19	15484758	AKAP8	0	0
19	15514503	AKAP8L	0	0
7	91715543	AKAP9	0	1
11	8933029	AKIP1	1	0
9	117143455	AKNA	1	2
1	109377688	AKNAD1	0	4
1	46032296	AKR1A1	0	3
7	134135621	AKR1B1	0	0
7	134217776	AKR1B10	0	0
7	134253066	AKR1B15	0	1
10	5042577	AKR1C2	0	3

10	5149703	<i>AKR1C3</i>	0	4
10	5260682	<i>AKR1C4</i>	0	0
7	137801444	<i>AKR1D1</i>	1	0
10	4889662	<i>AKR1E2</i>	1	2
1	19634767	<i>AKR7A2</i>	0	0
14	105242037	<i>AKT1</i>	0	0
19	50373201	<i>AKT1S1</i>	0	0
19	40762795	<i>AKT2</i>	0	2
16	53529163	<i>AKTIP</i>	0	0
9	116152891	<i>ALAD</i>	0	0
3	52233281	<i>ALAS1</i>	1	1
4	74283272	<i>ALB</i>	0	0
3	105266274	<i>ALCAM</i>	0	0
19	49971709	<i>ALDH16A1</i>	2	3
10	97385225	<i>ALDH18A1</i>	0	0
9	75531980	<i>ALDH1A1</i>	0	0
15	58256071	<i>ALDH1A2</i>	0	0
15	101440841	<i>ALDH1A3</i>	0	0
9	38396584	<i>ALDH1B1</i>	9	37
3	125865766	<i>ALDH1L1</i>	0	2
12	105455504	<i>ALDH1L2</i>	0	8
12	112229160	<i>ALDH2</i>	0	1
17	19645938	<i>ALDH3A1</i>	0	4
17	19575215	<i>ALDH3A2</i>	0	0
11	67433012	<i>ALDH3B2</i>	0	3
1	19215834	<i>ALDH4A1</i>	2	1
6	24532377	<i>ALDH5A1</i>	0	3
14	74541648	<i>ALDH6A1</i>	1	1
5	125929116	<i>ALDH7A1</i>	0	2
6	135250303	<i>ALDH8A1</i>	0	0
1	165649814	<i>ALDH9A1</i>	0	1
16	30080327	<i>ALDOA</i>	0	1
9	104190824	<i>ALDOB</i>	0	2
17	26901971	<i>ALDOC</i>	0	0
16	5121883	<i>ALG1</i>	1	0
12	38712142	<i>ALG10B</i>	1	1
13	52598189	<i>ALG11</i>	0	1
22	50297711	<i>ALG12</i>	0	0
1	95448782	<i>ALG14</i>	0	1
9	101980315	<i>ALG2</i>	0	0
3	183963381	<i>ALG3</i>	0	0

13	37569710	ALG5	0	0
1	63881664	ALG6	0	0
11	77823791	ALG8	0	1
11	111715276	ALG9	0	0
2	30142881	ALK	1	3
14	78140256	ALKBH1	0	2
12	109526098	ALKBH2	0	0
11	43913631	ALKBH3	0	8
7	102097970	ALKBH4	0	0
17	18087959	ALKBH5	0	0
19	36505115	ALKBH6	0	1
19	6374890	ALKBH7	0	0
11	107381618	ALKBH8	0	1
2	3721729	ALLC	2	1
2	73675538	ALMS1	0	5
17	6913421	ALOX12	0	1
17	7979052	ALOX12B	0	0
17	4539171	ALOX15	0	1
17	7951756	ALOX15B	0	6
10	45907753	ALOX5	0	1
13	31318249	ALOX5AP	0	0
17	8018391	ALOXE3	0	0
2	233322286	ALPI	0	0
4	113353214	ALPK1	0	0
18	56247404	ALPK2	0	4
15	85400499	ALPK3	1	0
1	21887103	ALPL	0	1
2	233243929	ALPP	0	0
2	233271643	ALPPL2	0	0
2	202588119	ALS2	1	4
3	46729191	ALS2CL	4	8
2	202400769	ALS2CR11	1	5
2	202154200	ALS2CR12	2	6
12	85677337	ALX1	0	0
1	110604105	ALX3	0	0
11	44297132	ALX4	0	0
5	34004707	AMACR	0	1
4	71469604	AMBN	1	1
9	116837230	AMBP	1	1
11	46563484	AMBRA1	0	0
12	96361532	AMDHD1	0	2

16	2578359	AMDHD2	0	0
13	25744736	AMER2	3	1
2	131521646	AMER3	0	0
16	56396932	AMFR	1	0
19	2249477	AMH	0	0
12	53818458	AMHR2	0	0
1	110051415	AMIGO1	0	0
12	47471439	AMIGO2	1	0
3	49756581	AMIGO3	0	0
2	128628475	AMMECR1L	0	0
14	103389003	AMN	0	1
11	94602475	AMOTL1	0	0
3	134086510	AMOTL2	0	0
1	115216557	AMPD1	0	5
1	110171746	AMPD2	1	2
11	10515036	AMPD3	1	0
7	38502683	AMPH	0	0
3	49456456	AMT	0	0
4	71394929	AMTN	0	2
7	2748767	AMZ1	0	0
17	66252960	AMZ2	2	24
4	145985843	ANAPC10	0	0
17	79857221	ANAPC11	0	0
10	73983732	ANAPC16	0	0
9	140074940	ANAPC2	0	0
4	25408516	ANAPC4	0	1
12	121746415	ANAPC5	0	2
12	110819687	ANAPC7	0	0
14	21162173	ANG	0	0
14	77273068	ANGEL1	2	6
1	213168459	ANGEL2	1	4
8	108334190	ANGPT1	0	1
8	6371303	ANGPT2	0	2
20	853684	ANGPT4	2	1
1	178834828	ANGPTL1	0	0
9	129856102	ANGPTL2	0	0
1	63069797	ANGPTL3	0	0
19	8438629	ANGPTL4	0	4
11	101762118	ANGPTL5	1	1
19	10203376	ANGPTL6	1	3
1	11249666	ANGPTL7	0	1

19	11350463	<i>ANGPTL8</i>	3	6
8	41552777	<i>ANK1</i>	0	0
4	114267036	<i>ANK2</i>	1	1
10	61932718	<i>ANK3</i>	0	0
2	190592760	<i>ANKAR</i>	2	5
15	65239707	<i>ANKDD1A</i>	0	3
20	10032413	<i>ANKEF1</i>	2	1
17	54305318	<i>ANKFN1</i>	0	1
17	4088291	<i>ANKFY1</i>	0	0
5	14758720	<i>ANKH</i>	0	2
5	139892380	<i>ANKHD1</i>	0	0
7	92027095	<i>ANKIB1</i>	0	0
11	113270828	<i>ANKK1</i>	0	5
19	17394287	<i>ANKLE1</i>	0	0
12	133331364	<i>ANKLE2</i>	2	0
2	241463367	<i>ANKMY1</i>	1	2
7	16643245	<i>ANKMY2</i>	0	0
5	72858641	<i>ANKRA2</i>	0	3
10	92680818	<i>ANKRD1</i>	0	0
13	111545385	<i>ANKRD10</i>	0	0
16	89347739	<i>ANKRD11</i>	0	0
18	9258183	<i>ANKRD12</i>	0	0
12	110475216	<i>ANKRD13A</i>	0	1
17	27939436	<i>ANKRD13B</i>	0	0
1	70790603	<i>ANKRD13C</i>	0	0
11	67068990	<i>ANKRD13D</i>	0	0
10	5925047	<i>ANKRD16</i>	0	0
4	73962811	<i>ANKRD17</i>	3	3
10	99341105	<i>ANKRD2</i>	0	0
10	90585819	<i>ANKRD22</i>	0	0
2	97508224	<i>ANKRD23</i>	0	2
19	4216909	<i>ANKRD24</i>	1	6
10	27349257	<i>ANKRD26</i>	1	1
19	33134229	<i>ANKRD27</i>	1	2
3	15752714	<i>ANKRD28</i>	0	7
18	21214042	<i>ANKRD29</i>	0	0
10	37422963	<i>ANKRD30A</i>	3	15
18	14752976	<i>ANKRD30B</i>	0	4
12	52282078	<i>ANKRD33</i>	0	0
1	145474408	<i>ANKRD34A</i>	0	1
5	79854826	<i>ANKRD34B</i>	0	0

15	79586669	ANKRD34C	0	0
1	145561335	ANKRD35	0	6
4	186321216	ANKRD37	0	0
17	48777070	ANKRD40	0	1
11	82951861	ANKRD42	1	0
2	197878290	ANKRD44	0	0
1	173579277	ANKRD45	0	0
4	125590478	ANKRD50	0	1
12	56648734	ANKRD52	0	0
2	71211751	ANKRD53	1	0
22	38229748	ANKRD54	0	0
5	55396032	ANKRD55	1	4
6	90326360	ANKRD6	0	1
20	56793724	ANKRD60	1	0
7	6071117	ANKRD61	0	4
1	1354845	ANKRD65	0	0
6	46717652	ANKRD66	0	0
7	117865028	ANKRD7	0	0
6	34949550	ANKS1A	0	0
12	99638113	ANKS1B	0	0
16	4747024	ANKS3	0	2
16	21261829	ANKS4B	0	0
9	101513300	ANKS6	0	0
3	149485255	ANKUB1	0	0
2	220100257	ANKZF1	0	3
7	36438709	ANLN	0	1
11	69970464	ANO1	0	2
3	43602803	ANO10	0	0
12	5841728	ANO2	1	6
11	26465391	ANO3	0	2
12	101368647	ANO4	0	0
11	22296135	ANO5	1	3
12	45744402	ANO6	0	1
2	242139500	ANO7	10	53
19	17435647	ANO8	0	0
11	432039	ANO9	9	15
9	100774724	ANP32B	0	1
4	165118221	ANP32C	0	0
12	48866585	ANP32D	0	0
1	150192993	ANP32E	0	0
15	90347165	ANPEP	0	4

2	69351712	ANTXR1	1	2
4	80992766	ANTXR2	0	1
9	75780076	ANXA1	0	2
4	169060675	ANXA10	0	2
10	81916176	ANXA11	0	0
8	124707745	ANXA13	0	1
15	60643377	ANXA2	0	0
5	43039793	ANXA2R	0	0
4	79512732	ANXA3	0	4
2	70045765	ANXA4	0	1
4	122589611	ANXA5	1	4
5	150484787	ANXA6	0	0
10	75148119	ANXA7	0	2
1	150967098	ANXA9	0	1
7	36763672	AOAH	1	12
7	150554452	AOC1	0	0
17	41002169	AOC2	0	5
17	41004743	AOC3	0	5
2	201503030	AOX1	1	7
4	113189487	AP1AR	0	0
22	29738340	AP1B1	0	0
16	71779100	AP1G1	0	0
14	24030810	AP1G2	5	1
19	16339030	AP1M1	1	0
19	10694720	AP1M2	1	0
7	100802411	AP1S1	2	5
2	224640831	AP1S3	0	1
19	50296313	AP2A1	0	0
11	993964	AP2A2	0	1
5	77311198	AP3B1	0	1
15	83357539	AP3B2	0	0
19	2118692	AP3D1	0	0
10	75888955	AP3M1	0	0
8	42025276	AP3M2	0	0
15	90378807	AP3S2	0	0
1	114440548	AP4B1	0	1
15	51216209	AP4E1	1	2
7	99699592	AP4M1	1	1
14	31554073	AP4S1	0	4
11	65547455	AP5B1	0	1
14	57749700	AP5M1	0	1

20	3804760	AP5S1	0	2
7	4825945	AP5Z1	1	4
12	99117007	APAF1	0	3
9	72046240	APBA1	0	0
15	29367073	APBA2	0	0
19	3752927	APBA3	0	3
11	6424708	APBB1	0	0
10	26856342	APBB1IP	0	0
4	41035227	APBB2	0	1
5	139938303	APBB3	0	1
5	112090707	APC	0	0
19	1468427	APC2	0	0
18	10487918	APCDD1	0	2
20	57036068	APCDD1L	0	0
1	159558054	APCS	0	2
3	49717972	APEH	1	3
14	20924281	APEX1	2	6
15	63597848	APH1B	0	0
1	10494770	APITD1	0	0
2	68765061	APLF	0	2
11	57004008	APLNR	0	0
19	36365684	APLP1	0	2
11	130011472	APLP2	0	0
20	24945027	APMAP	0	1
11	116707013	APOA1	0	1
1	156562268	APOA1BP	1	1
1	161192251	APOA2	0	1
11	116692555	APOA4	0	0
11	116662579	APOA5	1	1
2	21232855	APOB	0	4
12	7818486	APOBEC1	0	0
6	41029427	APOBEC2	0	0
22	39355631	APOBEC3A	0	0
22	39385510	APOBEC3B	0	0
22	39411711	APOBEC3C	0	1
22	39417507	APOBEC3D	3	12
22	39448679	APOBEC3F	0	0
22	39477160	APOBEC3G	0	2
22	39497404	APOBEC3H	0	8
1	183617330	APOBEC4	0	1
16	28508990	APOBR	0	1

19	45452429	<i>APOC2</i>	0	0
11	116701353	<i>APOC3</i>	4	18
19	45445586	<i>APOC4</i>	0	0
3	195298117	<i>APOD</i>	0	0
19	45411042	<i>APOE</i>	0	2
12	56755660	<i>APOF</i>	0	1
17	64225484	<i>APOH</i>	1	2
22	36661605	<i>APOL1</i>	0	0
22	36623698	<i>APOL2</i>	1	0
22	36556823	<i>APOL3</i>	0	2
22	36116661	<i>APOL5</i>	0	4
22	36054707	<i>APOL6</i>	0	2
12	12940443	<i>APOLD1</i>	0	0
14	104040491	<i>APOPT1</i>	0	0
21	27253963	<i>APP</i>	0	0
17	58571814	<i>APPBP2</i>	0	0
3	57303684	<i>APPL1</i>	0	5
12	105570995	<i>APPL2</i>	1	10
9	32984803	<i>APTX</i>	0	2
7	30961752	<i>AQP1</i>	0	0
1	154296925	<i>AQP10</i>	0	0
11	77301295	<i>AQP11</i>	0	0
2	241627852	<i>AQP12B</i>	0	0
12	50344955	<i>AQP2</i>	0	1
18	24442392	<i>AQP4</i>	0	0
12	50358901	<i>AQP5</i>	0	0
12	50367146	<i>AQP6</i>	0	0
9	33385719	<i>AQP7</i>	0	0
16	25228611	<i>AQP8</i>	0	0
15	58476281	<i>AQP9</i>	0	0
15	35149137	<i>AQR</i>	0	0
11	72423513	<i>ARAP1</i>	0	1
4	36149267	<i>ARAP2</i>	1	2
5	141052986	<i>ARAP3</i>	4	13
11	118471360	<i>ARCN1</i>	0	0
14	75131623	<i>AREL1</i>	0	2
20	61919145	<i>ARFGAP1</i>	1	3
11	47198125	<i>ARFGAP2</i>	0	0
22	43219712	<i>ARFGAP3</i>	1	5
8	68213477	<i>ARFGEF1</i>	0	1
20	47630106	<i>ARFGEF2</i>	0	0

6	138640991	<i>ARFGF3</i>	1	1
4	153802224	<i>ARFIP1</i>	0	0
11	6501613	<i>ARFIP2</i>	0	0
20	62331882	<i>ARFRP1</i>	0	0
6	131904874	<i>ARG1</i>	0	0
14	68108963	<i>ARG2</i>	0	1
13	107220046	<i>ARGLU1</i>	0	0
11	46702650	<i>ARHGAP1</i>	0	0
4	148653469	<i>ARHGAP10</i>	1	2
15	32929536	<i>ARHGAP11A</i>	0	0
10	32097624	<i>ARHGAP12</i>	0	0
2	144008130	<i>ARHGAP15</i>	0	1
16	24988611	<i>ARHGAP17</i>	0	0
6	129929148	<i>ARHGAP18</i>	0	2
10	99019287	<i>ARHGAP19</i>	2	0
11	110451645	<i>ARHGAP20</i>	0	1
10	24908580	<i>ARHGAP21</i>	0	0
10	49791070	<i>ARHGAP22</i>	1	0
17	36623157	<i>ARHGAP23</i>	0	0
4	86915840	<i>ARHGAP24</i>	0	1
2	69049786	<i>ARHGAP25</i>	0	0
5	142283197	<i>ARHGAP26</i>	0	0
18	6873536	<i>ARHGAP28</i>	0	0
1	94639446	<i>ARHGAP29</i>	1	0
1	161016801	<i>ARHGAP30</i>	0	0
3	119087382	<i>ARHGAP31</i>	0	0
11	128840233	<i>ARHGAP32</i>	0	2
19	36271937	<i>ARHGAP33</i>	0	2
19	47424278	<i>ARHGAP35</i>	0	0
8	145758635	<i>ARHGAP39</i>	0	0
20	37272423	<i>ARHGAP40</i>	0	11
11	100832464	<i>ARHGAP42</i>	0	1
17	12887930	<i>ARHGAP44</i>	1	0
14	32560487	<i>ARHGAP5</i>	0	0
12	57867907	<i>ARHGAP9</i>	5	2
17	79826737	<i>ARHGDIA</i>	0	1
12	15103608	<i>ARHGDIB</i>	0	0
16	332066	<i>ARHGDIG</i>	0	0
19	42408426	<i>ARHGEF1</i>	0	0
8	1900911	<i>ARHGEF10</i>	0	1
1	17949640	<i>ARHGEF10L</i>	0	4

1	156933301	ARHGEF11	0	0
11	120328886	ARHGEF12	0	1
17	8219400	ARHGEF15	0	0
1	3395039	ARHGEF16	0	2
11	73022278	ARHGEF17	0	0
19	7521280	ARHGEF18	0	2
1	16534647	ARHGEF19	0	0
1	155932757	ARHGEF2	0	0
12	58008101	ARHGEF25	0	3
3	153840389	ARHGEF26	1	2
5	73207288	ARHGEF28	1	1
3	56763619	ARHGEF3	0	1
2	39199071	ARHGEF33	0	1
5	149008403	ARHGEF37	1	0
4	106534600	ARHGEF38	2	7
9	35665153	ARHGEF39	0	2
2	131674727	ARHGEF4	1	1
14	21549112	ARHGEF40	1	0
13	111932913	ARHGEF7	0	1
1	27100184	ARID1A	0	0
6	157522090	ARID1B	0	1
12	46215228	ARID2	0	1
19	971949	ARID3A	0	1
15	74865587	ARID3B	0	0
9	34623633	ARID3C	0	0
14	58771743	ARID4A	5	30
1	235386447	ARID4B	0	0
2	97216368	ARID5A	0	0
10	63700100	ARID5B	0	0
3	48965162	ARIH2	0	0
3	48956049	ARIH2OS	0	0
5	175795877	ARL10	0	0
13	50205139	ARL11	0	0
3	93758714	ARL13B	0	1
3	160395488	ARL14	0	0
11	64785942	ARL2	0	1
16	57282555	ARL2BP	0	0
17	37319046	ARL5C	0	0
12	123466380	ARL6IP4	0	0
3	69153634	ARL6IP5	0	0
2	153576990	ARL6IP6	0	0

1	202104330	ARL8A	0	0
3	5213882	ARL8B	0	0
4	57384869	ARL9	0	0
7	102716270	ARMC10	0	0
6	35706235	ARMC12	0	1
6	109233594	ARMC2	0	0
10	23287191	ARMC3	0	2
10	28276406	ARMC4	1	0
16	31477532	ARMC5	0	0
19	19168389	ARMC6	0	0
17	73124893	ARMC7	0	0
3	138009484	ARMC8	0	0
2	232209824	ARMC9	0	1
6	151773650	ARMT1	0	2
1	150789906	ARNT	0	0
15	80845055	ARNT2	0	1
11	13378521	ARNTL	0	0
12	27568788	ARNTL2	1	0
7	98992057	ARPC1B	0	1
3	9871030	ARPC4	1	2
15	90451555	ARPIN	0	0
3	35724375	ARPP21	0	0
11	74979928	ARRB1	0	0
17	4622638	ARRB2	0	0
9	140508528	ARRDC1	0	0
19	18121514	ARRDC2	1	2
5	90674487	ARRDC3	0	0
15	98514346	ARRDC4	0	0
19	4891263	ARRDC5	1	0
22	51065361	ARSA	1	6
5	78181481	ARSB	0	1
17	66416511	ARSG	0	0
5	149678109	ARSI	0	1
4	114824087	ARSJ	0	2
5	94927274	ARSK	0	0
11	3681169	ART1	2	4
4	77028918	ART3	0	0
12	14993854	ART4	0	0
11	3663021	ART5	0	0
1	44401384	ARTN	0	0
1	231124095	ARV1	0	1

22	19968919	ARVCF	1	4
10	104638266	AS3MT	2	2
8	17930728	ASAH1	0	0
10	52005147	ASAH2	5	21
8	131193087	ASAP1	0	2
2	9496233	ASAP2	0	1
1	23756359	ASAP3	1	0
7	150883593	ASB10	0	0
10	5683827	ASB13	1	0
3	57317300	ASB14	1	0
7	123257756	ASB15	3	11
17	42255628	ASB16	1	1
2	237149924	ASB18	1	1
14	94413739	ASB2	0	0
2	53978020	ASB3	0	0
7	95157453	ASB4	0	0
4	177142611	ASB5	1	1
9	132401753	ASB6	0	0
12	48543308	ASB8	0	1
10	73887894	ASCC1	0	0
22	30188455	ASCC2	0	0
6	101109831	ASCC3	1	2
11	8959644	ASCL3	0	3
19	14231330	ASF1B	0	0
17	7077122	ASGR1	0	0
17	7011144	ASGR2	0	1
1	155408771	ASH1L	0	1
8	37963885	ASH2L	0	0
12	50475403	ASIC1	1	0
17	32483039	ASIC2	0	0
7	150746352	ASIC3	6	19
2	220396623	ASIC4	0	2
4	156757972	ASIC5	0	0
7	65554698	ASL	1	1
7	97482438	ASNS	0	0
2	190531803	ASNSD1	1	1
17	3397712	ASPA	0	0
19	51016200	ASPDH	0	0
14	104577939	ASPG	2	7
8	62555472	ASPH	2	11
16	29912514	ASPHD1	0	0

22	26839163	ASPHD2	0	0
1	197059120	ASPM	1	2
9	95219711	ASPN	1	8
2	70188647	ASPRV1	0	0
17	79974670	ASPSCR1	0	11
11	62156611	ASRGL1	0	0
3	130735140	ASTE1	1	0
2	96789787	ASTL	0	4
1	176934289	ASTN1	0	0
9	119491303	ASTN2	0	0
12	27066581	ASUN	0	1
20	31023753	ASXL1	1	25
2	25973060	ASXL2	0	0
18	31187546	ASXL3	0	0
7	117066978	ASZ1	0	0
10	89574279	ATAD1	0	0
8	124382195	ATAD2	0	2
2	24079296	ATAD2B	1	1
1	1463156	ATAD3A	0	0
1	1430915	ATAD3B	0	0
1	1396238	ATAD3C	2	0
17	29161202	ATAD5	0	0
19	3918855	ATCAY	0	0
10	123670470	ATE1	0	0
12	51189733	ATF1	0	0
2	175939535	ATF2	0	0
1	212788546	ATF3	0	0
19	50435755	ATF5	0	1
1	161736113	ATF6	0	0
12	53928459	ATF7	0	0
12	14577376	ATF7IP	2	5
16	10575824	ATF7IP2	0	0
5	81354389	ATG10	0	3
12	52467581	ATG101	0	0
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11	46693849	ATG13	0	0
14	55864130	ATG14	0	0
2	234201922	ATG16L1	0	0
11	72537225	ATG16L2	0	1
11	64678698	ATG2A	0	0
14	96752145	ATG2B	1	2

3	112256681	ATG3	0	3
2	242590437	ATG4B	0	0
1	63282451	ATG4C	9	12
19	10657886	ATG4D	0	1
6	106727629	ATG5	1	1
3	11374527	ATG7	0	0
2	220087050	ATG9A	1	1
11	290600	ATHL1	0	3
2	216184496	ATIC	2	9
2	38541744	ATL2	0	4
11	63398722	ATL3	0	0
11	108117813	ATM	5	5
16	81078081	ATMIN	0	0
12	7044757	ATN1	1	10
4	94750515	ATOH1	0	0
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15	26107941	ATP10A	0	0
5	159992461	ATP10B	0	1
4	47560954	ATP10D	2	8
13	113536285	ATP11A	1	6
13	113337646	ATP11AUN	0	0
3	182563259	ATP11B	0	2
13	25272870	ATP12A	1	1
19	19774137	ATP13A1	0	2
1	17312675	ATP13A2	0	1
3	194147902	ATP13A3	0	1
3	193175258	ATP13A4	1	4
3	193039551	ATP13A5	5	22
1	116941269	ATP1A1	0	0
1	160100205	ATP1A2	0	0
19	42471070	ATP1A3	0	0
1	160134025	ATP1A4	0	3
17	7559180	ATP1B2	0	0
16	28898961	ATP2A1	0	2
12	110781130	ATP2A2	0	0
17	3854962	ATP2A3	0	1
12	90028775	ATP2B1	0	0
3	10382270	ATP2B2	1	0
1	203708736	ATP2B4	0	0
3	130688175	ATP2C1	0	1
16	84495364	ATP2C2	9	40

19	36054499	ATP4A	2	0
13	114309226	ATP4B	0	1
18	43664314	ATP5A1	0	0
12	57039655	ATP5B	0	0
10	7842041	ATP5C1	0	1
19	1244091	ATP5D	0	0
12	54063694	ATP5G2	0	2
2	176046092	ATP5G3	0	0
4	667117	ATP5I	0	1
7	99063739	ATP5J2	0	0
21	35284683	ATP5O	0	0
14	50779787	ATP5S	0	0
19	41945844	ATP5SL	0	1
5	81608521	ATP6AP1L	0	0
17	40647674	ATP6VOA1	0	0
12	124241506	ATP6VOA2	0	0
7	138394491	ATP6VOA4	0	1
16	67472429	ATP6VOD1	0	0
8	87165171	ATP6VOD2	0	2
7	149576587	ATP6VOE2	0	1
3	113514780	ATP6V1A	0	0
2	71188833	ATP6V1B1	1	0
8	20077916	ATP6V1B2	0	0
2	10912664	ATP6V1C2	0	1
14	67805412	ATP6V1D	0	0
2	46739720	ATP6V1E2	0	0
1	198505782	ATP6V1G3	1	8
8	54742013	ATP6V1H	0	0
13	52509039	ATP7B	0	7
4	42558066	ATP8A1	0	1
13	26411376	ATP8A2	0	3
18	55321251	ATP8B1	0	1
1	154300258	ATP8B2	0	0
19	1783146	ATP8B3	7	29
15	50330979	ATP8B4	0	1
20	50225102	ATP9A	0	0
18	76953239	ATP9B	0	1
1	47101568	ATPAF1	0	0
17	17931979	ATPAF2	0	0
1	28564412	ATPIF1	0	2
3	142189031	ATR	0	2

2	27438504	<i>ATRAID</i>	0	6
3	48501929	<i>ATRIP</i>	0	1
20	3619540	<i>ATRN</i>	0	0
10	117308983	<i>ATRN1</i>	1	3
6	16327390	<i>ATXN1</i>	0	0
22	46219028	<i>ATXN10</i>	0	2
16	71884231	<i>ATXN1L</i>	0	0
12	111954073	<i>ATXN2</i>	0	2
16	28844622	<i>ATXN2L</i>	0	1
14	92572926	<i>ATXN3</i>	0	0
3	63981424	<i>ATXN7</i>	0	1
7	105255203	<i>ATXN7L1</i>	0	1
1	110033742	<i>ATXN7L2</i>	0	0
9	94058292	<i>AUH</i>	1	0
1	26161855	<i>AUNIP</i>	0	11
2	74753987	<i>AUP1</i>	0	0
1	1309405	<i>AURKAIP1</i>	0	0
17	8111047	<i>AURKB</i>	0	2
19	57742501	<i>AURKC</i>	0	3
7	70231290	<i>AUTS2</i>	1	1
15	34159922	<i>AVEN</i>	0	1
12	58204853	<i>AVIL</i>	2	3
7	32594155	<i>AVL9</i>	0	0
10	99439564	<i>AVPI1</i>	0	0
12	63544134	<i>AVPR1A</i>	0	1
1	206230986	<i>AVPR1B</i>	0	0
1	179462077	<i>AXDND1</i>	2	6
16	338227	<i>AXIN1</i>	1	0
17	63530153	<i>AXIN2</i>	0	0
19	41736866	<i>AXL</i>	0	0
8	103851052	<i>AZIN1</i>	0	0
1	33559009	<i>AZIN2</i>	1	0
19	830820	<i>AZU1</i>	0	5
1	235652558	<i>B3GALNT2</i>	0	5
2	168726272	<i>B3GALT1</i>	0	0
1	193150060	<i>B3GALT2</i>	0	0
11	134251874	<i>B3GAT1</i>	0	0
6	71665875	<i>B3GAT2</i>	0	0
11	62384178	<i>B3GAT3</i>	0	0
13	31848685	<i>B3GLCT</i>	1	2
2	62449865	<i>B3GNT2</i>	0	0

19	17922757	B3GNT3	0	0
12	122691167	B3GNT4	4	5
2	232317390	B3GNT7	0	1
19	41931883	B3GNT8	0	0
16	67184077	B3GNT9	0	0
17	81006638	B3GNTL1	0	0
12	58022889	B4GALNT1	0	0
17	47230189	B4GALNT2	0	2
12	661318	B4GALNT3	0	8
11	380115	B4GALNT4	0	0
9	33113449	B4GALT1	0	1
1	44447440	B4GALT2	0	0
1	161144831	B4GALT3	0	0
3	118948845	B4GALT4	0	0
20	48330086	B4GALT5	0	0
18	29218649	B4GALT6	0	0
5	177031417	B4GALT7	0	0
11	66113562	B4GAT1	0	0
17	19250553	B9D1	0	1
19	41869387	B9D2	0	1
9	104125124	BAAT	1	0
19	17379846	BABAM1	0	1
11	117165985	BACE1	0	0
21	42622786	BACE2	0	0
21	30714995	BACH1	0	0
6	90642292	BACH2	0	0
11	64037670	BAD	0	0
9	33264393	BAG1	1	9
10	121431952	BAG3	0	0
8	38050243	BAG4	1	3
14	104028294	BAG5	0	1
21	11098724	BAGE	1	1
21	11098713	BAGE2	1	3
15	40754478	BAHD1	0	1
17	79090084	BAIAP2	0	5
7	97937108	BAIAP2L1	0	0
22	38483189	BAIAP2L2	4	6
16	1396248	BAIAP3	0	2
10	28971213	BAMBI	0	0
4	102816488	BANK1	3	4
16	88061234	BANP	0	0

3	52436602	<i>BAP1</i>	0	1
2	215645860	<i>BAR1</i>	0	0
1	91180219	<i>BARHL2</i>	0	0
9	96715183	<i>BARX1</i>	0	0
11	129321066	<i>BARX2</i>	0	0
5	17275886	<i>BASP1</i>	0	0
14	76012807	<i>BATF</i>	0	0
19	49458839	<i>BAX</i>	0	0
14	35331483	<i>BAZ1A</i>	0	0
7	72892366	<i>BAZ1B</i>	0	1
12	56995873	<i>BAZ2A</i>	0	2
2	160240195	<i>BAZ2B</i>	0	0
19	47725036	<i>BBC3</i>	1	2
14	74516557	<i>BBOF1</i>	0	4
11	27148847	<i>BBOX1</i>	0	2
11	66283082	<i>BBS1</i>	0	0
12	76740799	<i>BBS10</i>	0	1
4	123663278	<i>BBS12</i>	0	0
16	56533804	<i>BBS2</i>	1	2
15	72978610	<i>BBS4</i>	0	2
2	170336024	<i>BBS5</i>	0	0
4	122765070	<i>BBS7</i>	1	3
7	33296924	<i>BBS9</i>	0	1
3	107466840	<i>BBX</i>	1	2
19	45315656	<i>BCAM</i>	1	1
1	156628378	<i>BCAN</i>	0	0
7	107234536	<i>BCAP29</i>	2	12
16	75269564	<i>BCAR1</i>	0	0
1	94048074	<i>BCAR3</i>	0	0
20	52645167	<i>BCAS1</i>	0	3
17	58767131	<i>BCAS3</i>	0	0
20	49493075	<i>BCAS4</i>	1	3
12	24985719	<i>BCAT1</i>	3	3
19	49303513	<i>BCAT2</i>	1	0
10	127512246	<i>BCCIP</i>	0	0
12	50232439	<i>BCDIN3D</i>	0	0
3	165491308	<i>BCHE</i>	0	4
19	41928256	<i>BCKDHA</i>	0	1
6	80910652	<i>BCKDHB</i>	0	0
16	31121793	<i>BCKDK</i>	0	0
1	85736353	<i>BCL10</i>	0	0

2	60689396	<i>BCL11A</i>	0	0
14	99723890	<i>BCL11B</i>	0	0
15	80263162	<i>BCL2A1</i>	0	0
15	52404562	<i>BCL2L10</i>	0	0
19	50173497	<i>BCL2L12</i>	1	2
22	18171776	<i>BCL2L13</i>	0	1
12	12247793	<i>BCL2L14</i>	0	0
3	187451473	<i>BCL6</i>	0	0
17	6927143	<i>BCL6B</i>	0	0
12	122468615	<i>BCL7A</i>	0	0
16	30904061	<i>BCL7C</i>	0	5
1	147092103	<i>BCL9</i>	0	2
11	118770729	<i>BCL9L</i>	0	0
6	136599392	<i>BCLAF1</i>	2	10
16	81323930	<i>BCO1</i>	0	0
11	112065474	<i>BCO2</i>	1	3
22	23596074	<i>BCR</i>	0	1
2	219525892	<i>BCS1L</i>	0	7
3	197239087	<i>BDH1</i>	0	0
4	104006608	<i>BDH2</i>	0	0
14	96730361	<i>BDKRB1</i>	2	18
14	96707388	<i>BDKRB2</i>	0	0
11	27695732	<i>BDNF</i>	0	4
5	70800475	<i>BDP1</i>	0	2
17	40970264	<i>BECN1</i>	0	1
14	101010255	<i>BEGAIN</i>	0	0
6	107391180	<i>BEND3</i>	0	0
4	42127659	<i>BEND4</i>	0	0
1	49208349	<i>BEND5</i>	0	0
6	56883196	<i>BEND6</i>	0	0
10	13542069	<i>BEND7</i>	1	1
11	61724918	<i>BEST1</i>	0	1
19	12868894	<i>BEST2</i>	0	1
12	70049311	<i>BEST3</i>	1	2
1	45253126	<i>BEST4</i>	2	1
16	14758851	<i>BFAR</i>	0	0
20	17479617	<i>BFSP1</i>	2	7
3	133119173	<i>BFSP2</i>	0	0
3	5024763	<i>BHLHE40</i>	0	0
12	26277642	<i>BHLHE41</i>	0	0
5	78421959	<i>BHMT</i>	0	1

5	78379064	BHMT2	0	0
10	60566846	BICC1	0	0
12	32458756	BICD1	0	0
9	95482831	BICD2	0	0
22	18222869	BID	0	0
22	43524523	BIK	0	0
2	127808060	BIN1	0	1
12	51685831	BIN2	1	0
8	22487485	BIN3	0	0
11	102220957	BIRC2	0	2
11	102196019	BIRC3	0	0
17	76219591	BIRC5	0	0
2	32664709	BIRC6	3	1
20	61869949	BIRC7	0	0
19	53793088	BIRC8	0	1
13	103508370	BIVM	0	0
11	121986404	BLID	0	0
8	11405623	BLK	0	2
15	91358368	BLM	1	0
10	98002464	BLNK	0	0
12	56109979	BLOC1S1	0	0
10	102046419	BLOC1S2	0	0
4	6718563	BLOC1S4	0	0
6	8016007	BLOC1S5	0	0
7	43843423	BLVRA	0	0
19	40964312	BLVRB	0	2
1	169338797	BLZF1	0	0
8	22056744	BMP1	0	1
2	69093597	BMP10	0	1
20	6759655	BMP2	0	0
4	79791972	BMP2K	0	0
4	81952658	BMP3	0	0
14	54418689	BMP4	0	0
6	55684654	BMP5	0	0
6	7727648	BMP6	4	0
20	55800937	BMP7	0	0
7	34125414	BMPER	1	1
10	88681458	BMPR1A	0	0
4	96075833	BMPR1B	0	0
2	203420086	BMPR2	0	0
10	43292246	BMS1	0	1

15	83936976	<i>BNC1</i>	0	0
9	16436952	<i>BNC2</i>	0	0
5	172573940	<i>BNIP1</i>	0	4
15	59961566	<i>BNIP2</i>	0	2
1	151009252	<i>BNIPL</i>	0	1
3	112998265	<i>BOC</i>	0	0
5	173035296	<i>BOD1</i>	6	29
4	13601933	<i>BOD1L1</i>	0	0
2	242501833	<i>BOK</i>	0	0
1	149871945	<i>BOLA1</i>	0	0
2	198631262	<i>BOLL</i>	0	1
13	73320856	<i>BORA</i>	0	2
12	12510377	<i>BORCS5</i>	0	1
17	8093267	<i>BORCS6</i>	0	0
19	19302943	<i>BORCS8</i>	0	0
7	134363723	<i>BPGM</i>	0	1
6	3129333	<i>BPHL</i>	0	1
20	36938924	<i>BPI</i>	1	4
20	31828132	<i>BPIFA1</i>	1	3
20	31768363	<i>BPIFA2</i>	1	6
20	31814763	<i>BPIFA3</i>	2	1
20	31892646	<i>BPIFB1</i>	0	2
20	31609521	<i>BPIFB2</i>	0	0
20	31661399	<i>BPIFB3</i>	3	46
20	31692657	<i>BPIFB4</i>	1	2
20	31629806	<i>BPIFB6</i>	0	2
22	32813020	<i>BPIFC</i>	0	1
1	220236134	<i>BPNT1</i>	1	1
17	65971922	<i>BPTF</i>	0	1
12	112082297	<i>BRAP</i>	0	0
7	2579463	<i>BRAT1</i>	2	2
17	41223119	<i>BRCA1</i>	4	1
13	32900440	<i>BRCA2</i>	17	3
22	50216763	<i>BRD1</i>	0	0
9	136906986	<i>BRD3</i>	0	0
19	15349971	<i>BRD4</i>	0	0
5	137481530	<i>BRD8</i>	0	0
5	876234	<i>BRD9</i>	0	1
1	92445263	<i>BRDT</i>	1	0
2	28456095	<i>BRE</i>	7	14
14	105739125	<i>BRF1</i>	0	1

8	37702686	<i>BRF2</i>	0	1
12	125509853	<i>BRI3BP</i>	0	0
16	2259636	<i>BRICD5</i>	0	0
9	121976315	<i>BRINP1</i>	0	0
1	177199079	<i>BRINP2</i>	0	0
1	190067229	<i>BRINP3</i>	0	0
17	59926453	<i>BRIP1</i>	0	3
11	66106186	<i>BRMS1</i>	0	0
14	36304108	<i>BRMS1L</i>	0	0
1	222904825	<i>BROX</i>	0	2
3	9781256	<i>BRPF1</i>	0	0
6	36168954	<i>BRPF3</i>	0	0
19	55813560	<i>BRSK1</i>	0	0
11	1477877	<i>BRSK2</i>	0	0
21	40582745	<i>BRWD1</i>	0	0
11	62457986	<i>BSCL2</i>	1	2
1	32834054	<i>BSDC1</i>	0	0
19	579549	<i>BSG</i>	0	0
3	49694600	<i>BSN</i>	0	0
1	55464922	<i>BSND</i>	0	2
19	48495338	<i>BSPH1</i>	0	0
9	116130578	<i>BSPRY</i>	0	0
4	15733454	<i>BST1</i>	0	5
19	17516283	<i>BST2</i>	0	0
11	122852308	<i>BSX</i>	0	0
10	93683829	<i>BTAf1</i>	0	0
15	83718913	<i>BTBD1</i>	0	1
12	108011118	<i>BTBD11</i>	0	0
10	124036328	<i>BTBD16</i>	0	4
17	72356236	<i>BTBD17</i>	0	0
11	57513196	<i>BTBD18</i>	0	0
1	45277698	<i>BTBD19</i>	0	1
19	1986529	<i>BTBD2</i>	0	1
20	11900442	<i>BTBD3</i>	0	1
14	105715980	<i>BTBD6</i>	0	0
14	93760715	<i>BTBD7</i>	0	1
1	92568089	<i>BTBD8</i>	0	0
6	38224174	<i>BTBD9</i>	0	1
4	75673317	<i>BTC</i>	0	0
3	15686425	<i>BTd</i>	0	0
12	92538168	<i>BTG1</i>	0	0

1	203276546	<i>BTG2</i>	0	0
21	18981442	<i>BTG3</i>	0	0
6	26508768	<i>BTN1A1</i>	0	1
6	26466202	<i>BTN2A1</i>	2	2
6	26393058	<i>BTN2A2</i>	0	0
6	26412705	<i>BTN3A1</i>	0	0
6	26370707	<i>BTN3A2</i>	0	0
6	26448879	<i>BTN3A3</i>	0	4
1	228698299	<i>BTNL10</i>	0	1
5	180416096	<i>BTNL3</i>	0	1
5	180335676	<i>BTNL8</i>	1	0
5	180481267	<i>BTNL9</i>	0	0
10	103285900	<i>BTRC</i>	0	0
2	111430342	<i>BUB1</i>	1	1
15	40505625	<i>BUB1B</i>	1	6
11	116628537	<i>BUD13</i>	0	2
6	105563677	<i>BVES</i>	0	2
6	41895150	<i>BYSL</i>	0	0
17	56383777	<i>BZRAP1</i>	0	1
10	45473221	<i>C10orf10</i>	1	2
10	73472959	<i>C10orf105</i>	0	0
10	78084184	<i>C10orf11</i>	0	9
10	15138418	<i>C10orf111</i>	0	0
10	21415006	<i>C10orf113</i>	0	1
10	98744519	<i>C10orf12</i>	0	0
10	124459169	<i>C10orf120</i>	1	0
10	29137232	<i>C10orf126</i>	2	2
10	50374930	<i>C10orf128</i>	4	22
10	97687018	<i>C10orf131</i>	0	0
10	102753039	<i>C10orf2</i>	1	0
10	45496040	<i>C10orf25</i>	0	0
10	71392692	<i>C10orf35</i>	0	0
10	50901938	<i>C10orf53</i>	2	18
10	73521577	<i>C10orf54</i>	0	0
10	75671777	<i>C10orf55</i>	0	0
10	99349783	<i>C10orf62</i>	0	1
10	23621972	<i>C10orf67</i>	0	2
10	50531606	<i>C10orf71</i>	2	2
10	103750352	<i>C10orf76</i>	0	0
10	118427826	<i>C10orf82</i>	0	1
10	124697643	<i>C10orf88</i>	0	1

10	128147735	<i>C10orf90</i>	0	3
10	134261392	<i>C10orf91</i>	0	2
11	111750349	<i>C11orf1</i>	0	2
11	8947283	<i>C11orf16</i>	0	1
11	2321843	<i>C11orf21</i>	2	4
11	68029677	<i>C11orf24</i>	0	2
11	4593488	<i>C11orf40</i>	0	3
11	6232257	<i>C11orf42</i>	5	1
11	47179473	<i>C11orf49</i>	2	3
11	111796833	<i>C11orf52</i>	0	0
11	111152129	<i>C11orf53</i>	0	1
11	93480545	<i>C11orf54</i>	0	5
11	111951232	<i>C11orf57</i>	0	3
11	122775129	<i>C11orf63</i>	1	1
11	108256684	<i>C11orf65</i>	0	5
11	65685086	<i>C11orf68</i>	0	1
11	114270961	<i>C11orf71</i>	0	0
11	36657675	<i>C11orf74</i>	0	2
11	66605827	<i>C11orf80</i>	0	1
11	64715234	<i>C11orf85</i>	0	0
11	109294467	<i>C11orf87</i>	0	0
11	111385656	<i>C11orf88</i>	0	0
11	45928419	<i>C11orf94</i>	0	1
11	63531099	<i>C11orf95</i>	0	0
12	53693620	<i>C12orf10</i>	1	2
12	4600368	<i>C12orf4</i>	0	1
12	40085906	<i>C12orf40</i>	1	2
12	103696195	<i>C12orf42</i>	1	0
12	121442199	<i>C12orf43</i>	0	0
12	105380185	<i>C12orf45</i>	0	1
12	117157683	<i>C12orf49</i>	0	1
12	88420749	<i>C12orf50</i>	0	0
12	48888617	<i>C12orf54</i>	0	0
12	64697541	<i>C12orf56</i>	1	3
12	7053257	<i>C12orf57</i>	1	0
12	14976553	<i>C12orf60</i>	0	0
12	123738494	<i>C12orf65</i>	0	0
12	64609562	<i>C12orf66</i>	0	0
12	27234365	<i>C12orf71</i>	0	0
12	104345384	<i>C12orf73</i>	3	21
12	93100551	<i>C12orf74</i>	0	2

12	110496867	<i>C12orf76</i>	0	0
12	25149180	<i>C12orf77</i>	0	0
14	57938118	<i>C14orf105</i>	1	11
14	91681891	<i>C14orf159</i>	0	1
14	52456350	<i>C14orf166</i>	0	0
14	99182705	<i>C14orf177</i>	0	1
14	105054189	<i>C14orf180</i>	1	2
14	104380215	<i>C14orf2</i>	0	0
14	45369836	<i>C14orf28</i>	0	1
14	58598252	<i>C14orf37</i>	0	3
14	60928118	<i>C14orf39</i>	0	2
14	105452907	<i>C14orf79</i>	0	1
14	105957373	<i>C14orf80</i>	0	2
14	23467813	<i>C14orf93</i>	0	0
15	93043651	<i>C15orf32</i>	0	0
15	75499472	<i>C15orf39</i>	1	0
15	83680287	<i>C15orf40</i>	0	0
15	36983962	<i>C15orf41</i>	0	2
15	45253752	<i>C15orf43</i>	0	1
15	45723029	<i>C15orf48</i>	6	32
15	40633067	<i>C15orf52</i>	0	1
15	38990452	<i>C15orf53</i>	0	1
15	39544809	<i>C15orf54</i>	0	0
15	74032540	<i>C15orf59</i>	0	0
15	67813808	<i>C15orf61</i>	0	0
16	685708	<i>C16orf13</i>	0	1
16	15677091	<i>C16orf45</i>	0	0
16	81095091	<i>C16orf46</i>	0	1
16	73161347	<i>C16orf47</i>	0	0
16	29755702	<i>C16orf54</i>	0	0
16	31519170	<i>C16orf58</i>	3	4
16	2510371	<i>C16orf59</i>	0	2
16	19680546	<i>C16orf62</i>	0	0
16	67180175	<i>C16orf70</i>	0	0
16	4796399	<i>C16orf71</i>	1	0
16	9210603	<i>C16orf72</i>	0	0
16	85741650	<i>C16orf74</i>	1	13
16	49412473	<i>C16orf78</i>	0	0
16	27078398	<i>C16orf82</i>	0	0
16	5115769	<i>C16orf89</i>	1	1
16	3544586	<i>C16orf90</i>	1	1

16	1478414	<i>C16orf91</i>	0	0
16	30035070	<i>C16orf92</i>	0	1
16	4626173	<i>C16orf96</i>	0	5
17	6555377	<i>C17orf100</i>	0	2
17	32905949	<i>C17orf102</i>	0	2
17	4803299	<i>C17orf107</i>	6	18
17	56621072	<i>C17orf47</i>	0	3
17	34091040	<i>C17orf50</i>	0	2
17	21438645	<i>C17orf51</i>	0	0
17	42235260	<i>C17orf53</i>	1	0
17	65988049	<i>C17orf58</i>	0	0
17	80404486	<i>C17orf62</i>	0	0
17	58508618	<i>C17orf64</i>	0	0
17	7330264	<i>C17orf74</i>	0	0
17	30664955	<i>C17orf75</i>	0	0
17	72588217	<i>C17orf77</i>	0	0
17	35743010	<i>C17orf78</i>	0	0
17	71232233	<i>C17orf80</i>	1	16
17	59489525	<i>C17orf82</i>	0	0
17	263891	<i>C17orf97</i>	0	0
17	36991541	<i>C17orf98</i>	0	0
17	76160180	<i>C17orf99</i>	0	1
18	43795986	<i>C18orf25</i>	0	1
18	47008786	<i>C18orf32</i>	0	0
18	5197057	<i>C18orf42</i>	0	1
18	51886948	<i>C18orf54</i>	0	0
18	21106644	<i>C18orf8</i>	0	1
19	30199252	<i>C19orf12</i>	0	0
19	58472886	<i>C19orf18</i>	0	0
19	1478747	<i>C19orf25</i>	0	1
19	38795581	<i>C19orf33</i>	0	2
19	10959175	<i>C19orf38</i>	0	0
19	16611825	<i>C19orf44</i>	0	4
19	7571030	<i>C19orf45</i>	0	1
19	40834293	<i>C19orf47</i>	0	0
19	11040225	<i>C19orf52</i>	0	2
19	41255481	<i>C19orf54</i>	0	2
19	14006300	<i>C19orf57</i>	0	6
19	10197658	<i>C19orf66</i>	0	0
19	3542946	<i>C19orf71</i>	2	23
19	49621964	<i>C19orf73</i>	0	0

2	43902803	<i>C1GALT1C1L</i>	1	0
1	244541827	<i>C1orf100</i>	1	0
1	244723989	<i>C1orf101</i>	1	4
1	172431386	<i>C1orf105</i>	1	0
1	200867492	<i>C1orf106</i>	0	0
1	38155349	<i>C1orf109</i>	0	4
1	162344204	<i>C1orf111</i>	0	1
1	169773317	<i>C1orf112</i>	0	1
1	220870034	<i>C1orf115</i>	1	1
1	207196223	<i>C1orf116</i>	4	37
1	11018764	<i>C1orf127</i>	1	6
1	231376794	<i>C1orf131</i>	0	0
1	117237396	<i>C1orf137</i>	1	0
1	67558870	<i>C1orf141</i>	0	0
1	92706535	<i>C1orf146</i>	0	1
1	12806450	<i>C1orf158</i>	2	2
1	1026255	<i>C1orf159</i>	0	0
1	112018701	<i>C1orf162</i>	0	1
1	11849495	<i>C1orf167</i>	3	2
1	57221621	<i>C1orf168</i>	1	6
1	3809520	<i>C1orf174</i>	0	0
1	51613354	<i>C1orf185</i>	8	23
1	154178783	<i>C1orf189</i>	1	2
1	109649719	<i>C1orf194</i>	1	8
1	15495045	<i>C1orf195</i>	0	2
1	230979529	<i>C1orf198</i>	1	2
1	159824967	<i>C1orf204</i>	0	2
1	184588710	<i>C1orf21</i>	0	0
1	43748618	<i>C1orf210</i>	0	0
1	36181813	<i>C1orf216</i>	0	1
1	162353412	<i>C1orf226</i>	0	0
1	45166683	<i>C1orf228</i>	1	1
1	186375234	<i>C1orf27</i>	0	0
1	228290299	<i>C1orf35</i>	0	1
1	154184993	<i>C1orf43</i>	0	0
1	43233051	<i>C1orf50</i>	0	3
1	85725075	<i>C1orf52</i>	0	1
1	151020398	<i>C1orf56</i>	3	8
1	16332499	<i>C1orf64</i>	0	0
1	152692173	<i>C1orf68</i>	0	0
1	209956542	<i>C1orf74</i>	0	1

1	60503762	<i>C1orf87</i>	1	1
1	34663351	<i>C1orf94</i>	1	5
1	226785102	<i>C1orf95</i>	0	0
1	22965438	<i>C1QA</i>	0	0
1	22987507	<i>C1QB</i>	0	0
17	5338281	<i>C1QBP</i>	0	1
1	22973964	<i>C1QC</i>	0	0
2	119915723	<i>C1QL2</i>	0	0
17	77043894	<i>C1QTNF1</i>	0	0
5	159781844	<i>C1QTNF2</i>	0	1
5	34042975	<i>C1QTNF3</i>	0	1
11	47611625	<i>C1QTNF4</i>	1	0
22	37580463	<i>C1QTNF6</i>	0	0
4	15443791	<i>C1QTNF7</i>	0	0
16	1143644	<i>C1QTNF8</i>	0	4
12	7249314	<i>C1RL</i>	0	1
12	7177214	<i>C1S</i>	0	1
20	2796193	<i>C20orf141</i>	0	9
20	32251396	<i>C20orf144</i>	2	5
20	34116811	<i>C20orf173</i>	0	0
20	3278715	<i>C20orf194</i>	0	0
20	62187250	<i>C20orf195</i>	0	0
20	5843983	<i>C20orf196</i>	0	0
20	1187535	<i>C20orf202</i>	1	11
20	18805976	<i>C20orf78</i>	0	1
20	56728609	<i>C20orf85</i>	0	1
20	271299	<i>C20orf96</i>	1	3
21	35791765	<i>C21orf140</i>	0	0
21	45751890	<i>C21orf2</i>	0	5
21	45564738	<i>C21orf33</i>	0	0
21	47738058	<i>C21orf58</i>	0	0
21	33975516	<i>C21orf59</i>	0	0
21	34185928	<i>C21orf62</i>	0	0
21	19190603	<i>C21orf91</i>	1	0
22	24106741	<i>C22orf15</i>	1	14
22	38341134	<i>C22orf23</i>	0	1
22	32334026	<i>C22orf24</i>	0	1
22	19839019	<i>C22orf29</i>	0	0
22	29454747	<i>C22orf31</i>	0	0
22	19429238	<i>C22orf39</i>	1	4
22	32554985	<i>C22orf42</i>	0	1

22	42086429	<i>C2orf46</i>	0	0
21	43319343	<i>C2CD2</i>	0	1
11	118983520	<i>C2CD2L</i>	0	0
11	73760413	<i>C2CD3</i>	1	4
15	62360805	<i>C2CD4A</i>	0	1
19	407228	<i>C2CD4C</i>	0	1
1	151810477	<i>C2CD4D</i>	0	0
12	22625238	<i>C2CD5</i>	1	1
2	99767073	<i>C2orf15</i>	0	0
2	27799760	<i>C2orf16</i>	0	1
2	106688274	<i>C2orf40</i>	0	0
2	70408806	<i>C2orf42</i>	0	1
2	24261096	<i>C2orf44</i>	0	0
2	200828526	<i>C2orf47</i>	0	0
2	10282396	<i>C2orf48</i>	0	0
2	105959590	<i>C2orf49</i>	0	0
2	11273523	<i>C2orf50</i>	0	2
2	241889000	<i>C2orf54</i>	0	3
2	232457983	<i>C2orf57</i>	1	1
2	47357328	<i>C2orf61</i>	1	1
2	197673998	<i>C2orf66</i>	0	1
2	85836668	<i>C2orf68</i>	0	3
2	200776371	<i>C2orf69</i>	0	0
2	26798893	<i>C2orf70</i>	0	0
2	29293639	<i>C2orf71</i>	0	2
2	54587338	<i>C2orf73</i>	0	0
2	61385036	<i>C2orf74</i>	0	0
2	120060038	<i>C2orf76</i>	8	43
2	74043375	<i>C2orf78</i>	0	1
2	74642641	<i>C2orf81</i>	1	1
2	191064753	<i>C2orf88</i>	1	2
2	42180352	<i>C2orf91</i>	0	4
19	6697704	<i>C3</i>	0	0
12	8212133	<i>C3AR1</i>	0	1
3	62317038	<i>C3orf14</i>	1	0
3	112724690	<i>C3orf17</i>	0	2
3	50598369	<i>C3orf18</i>	0	2
3	14799106	<i>C3orf20</i>	0	6
3	118865801	<i>C3orf30</i>	0	1
3	155520390	<i>C3orf33</i>	1	1
3	37476427	<i>C3orf35</i>	1	1

3	133647483	<i>C3orf36</i>	0	0
3	88205512	<i>C3orf38</i>	0	1
3	111828423	<i>C3orf52</i>	0	5
3	143708575	<i>C3orf58</i>	0	0
3	49308630	<i>C3orf62</i>	1	2
3	58852296	<i>C3orf67</i>	0	0
3	184801099	<i>C3orf70</i>	0	1
3	49215966	<i>C3orf84</i>	0	0
1	207288730	<i>C4BPA</i>	0	0
1	207269855	<i>C4BPB</i>	0	1
4	100458840	<i>C4orf17</i>	0	12
4	37592498	<i>C4orf19</i>	0	1
4	81256964	<i>C4orf22</i>	0	0
4	76489582	<i>C4orf26</i>	0	2
4	170663240	<i>C4orf27</i>	1	8
4	120219899	<i>C4orf3</i>	0	0
4	130030532	<i>C4orf33</i>	1	2
4	87812635	<i>C4orf36</i>	0	0
4	159894305	<i>C4orf45</i>	0	1
4	159592903	<i>C4orf46</i>	0	0
4	186353305	<i>C4orf47</i>	1	2
4	146648070	<i>C4orf51</i>	1	1
9	123787731	<i>C5</i>	0	7
19	47844755	<i>C5AR2</i>	0	0
5	133295581	<i>C5orf15</i>	0	0
5	31538616	<i>C5orf22</i>	0	1
5	134190666	<i>C5orf24</i>	0	0
5	43446394	<i>C5orf28</i>	0	2
5	102611746	<i>C5orf30</i>	0	0
5	43502463	<i>C5orf34</i>	0	1
5	37205466	<i>C5orf42</i>	1	8
5	179275051	<i>C5orf45</i>	2	19
5	173426713	<i>C5orf47</i>	1	0
5	7835501	<i>C5orf49</i>	0	0
5	41907884	<i>C5orf51</i>	0	0
5	157106968	<i>C5orf52</i>	2	7
5	179069912	<i>C5orf60</i>	0	3
5	60999845	<i>C5orf64</i>	0	0
5	55807530	<i>C5orf67</i>	0	0
5	41160311	<i>C6</i>	1	15
6	34214826	<i>C6orf1</i>	2	3

6	34574446	<i>C6orf106</i>	0	3
6	165713917	<i>C6orf118</i>	0	5
6	170102887	<i>C6orf120</i>	0	0
6	42110171	<i>C6orf132</i>	1	13
6	49518679	<i>C6orf141</i>	0	0
6	88074904	<i>C6orf163</i>	0	0
6	4122249	<i>C6orf201</i>	2	0
6	107361264	<i>C6orf203</i>	3	23
6	36294405	<i>C6orf222</i>	0	1
6	43968881	<i>C6orf223</i>	0	1
6	127902426	<i>C6orf58</i>	0	3
6	24706452	<i>C6orf62</i>	0	0
6	36867379	<i>C6orf89</i>	0	0
6	159331066	<i>C6orf99</i>	0	1
5	40981606	<i>C7</i>	0	3
7	42950350	<i>C7orf25</i>	0	0
7	6639590	<i>C7orf26</i>	0	0
7	25208006	<i>C7orf31</i>	0	1
7	148312423	<i>C7orf33</i>	0	1
7	142637632	<i>C7orf34</i>	0	0
7	99754343	<i>C7orf43</i>	0	0
7	1040139	<i>C7orf50</i>	0	1
7	48080959	<i>C7orf57</i>	0	2
7	112535746	<i>C7orf60</i>	0	0
7	100061418	<i>C7orf61</i>	0	1
7	88423881	<i>C7orf62</i>	0	0
7	47698560	<i>C7orf65</i>	0	0
7	108524473	<i>C7orf66</i>	0	0
7	50175681	<i>C7orf72</i>	1	2
1	57372336	<i>C8A</i>	0	1
1	57420508	<i>C8B</i>	0	1
9	139839856	<i>C8G</i>	0	2
8	49986878	<i>C8orf22</i>	0	0
8	144124609	<i>C8orf31</i>	0	1
8	146278073	<i>C8orf33</i>	0	2
8	69381053	<i>C8orf34</i>	1	4
8	96259941	<i>C8orf37</i>	0	0
8	40011134	<i>C8orf4</i>	0	1
8	67592152	<i>C8orf44</i>	6	15
8	13424565	<i>C8orf48</i>	0	1
8	22459529	<i>C8orf58</i>	0	1

8	86126827	<i>C8orf59</i>	1	0
8	10555301	<i>C8orf74</i>	0	9
8	38370059	<i>C8orf86</i>	0	1
5	39285304	<i>C9</i>	6	11
9	132084223	<i>C9orf106</i>	0	0
9	131585020	<i>C9orf114</i>	2	15
9	138391373	<i>C9orf116</i>	0	2
9	96080699	<i>C9orf129</i>	0	2
9	35043513	<i>C9orf131</i>	2	2
9	72471585	<i>C9orf135</i>	0	1
9	139929322	<i>C9orf139</i>	0	1
9	139888121	<i>C9orf142</i>	0	0
9	112969733	<i>C9orf152</i>	0	2
9	88844459	<i>C9orf153</i>	0	1
9	89771569	<i>C9orf170</i>	0	0
9	139739814	<i>C9orf172</i>	0	0
9	140146952	<i>C9orf173</i>	0	0
9	34380715	<i>C9orf24</i>	0	1
9	97767870	<i>C9orf3</i>	0	1
9	116186536	<i>C9orf43</i>	0	2
9	91606812	<i>C9orf47</i>	0	2
9	132375827	<i>C9orf50</i>	0	0
9	74667281	<i>C9orf57</i>	3	3
9	138236073	<i>C9orf62</i>	0	0
9	86571122	<i>C9orf64</i>	2	0
9	214804	<i>C9orf66</i>	0	1
9	139008606	<i>C9orf69</i>	0	0
9	27556780	<i>C9orf72</i>	0	0
9	114470188	<i>C9orf84</i>	1	7
9	74586457	<i>C9orf85</i>	0	0
9	135763787	<i>C9orf9</i>	0	1
9	117386706	<i>C9orf91</i>	0	0
9	16203943	<i>C9orf92</i>	0	0
8	86240861	<i>CA1</i>	1	0
17	50008428	<i>CA10</i>	0	0
15	63634264	<i>CA12</i>	0	7
8	86180136	<i>CA13</i>	0	0
1	150235754	<i>CA14</i>	0	0
8	86388044	<i>CA2</i>	0	1
8	86352059	<i>CA3</i>	0	0
17	58236699	<i>CA4</i>	0	3

16	87969951	CA5A	0	2
1	9034733	CA6	0	0
16	66884454	CA7	0	0
8	61178574	CA8	0	1
9	35676176	CA9	2	1
9	26892396	CAAP1	0	3
13	49951142	CAB39L	0	2
22	24472073	CABIN1	0	1
18	20768859	CABLES1	0	0
20	60971565	CABLES2	0	0
12	121097724	CABP1	0	0
11	67290042	CABP2	1	0
11	67222996	CABP4	0	1
19	48544798	CABP5	0	0
22	30125483	CABP7	0	0
4	71201773	CABS1	0	0
18	21741492	CABYR	2	3
9	136333052	CACFD1	0	1
1	65120426	CACHD1	1	2
19	13335563	CACNA1A	0	0
9	140870349	CACNA1B	0	0
12	2566802	CACNA1C	0	0
3	53774360	CACNA1D	0	0
1	181741301	CACNA1E	0	0
17	48678436	CACNA1G	0	0
16	1254236	CACNA1H	0	2
22	40043867	CACNA1I	0	1
1	201052310	CACNA1S	1	4
7	81746316	CACNA2D1	0	1
3	50402349	CACNA2D2	0	0
3	54880479	CACNA2D3	0	1
12	1995485	CACNA2D4	0	0
17	37333537	CACNB1	0	0
10	18816565	CACNB2	1	1
12	49218088	CACNB3	0	1
2	152695783	CACNB4	0	0
17	65052174	CACNG1	0	0
22	36960791	CACNG2	0	0
17	64961150	CACNG4	0	0
17	64873507	CACNG5	0	0
19	54515309	CACNG6	0	0

19	54445502	CACNG7	0	0
19	3614538	CACTIN	0	0
10	120514169	CACUL1	4	0
2	27460669	CAD	0	0
11	115374963	CADM1	0	0
3	86010739	CADM2	0	0
1	159166738	CADM3	0	0
19	44131364	CADM4	0	0
3	62503808	CADPS	0	1
7	122111590	CADPS2	0	0
6	7386105	CAGE1	0	6
16	71392782	CALB2	0	2
11	14990404	CALCA	0	0
12	54108438	CALCOCO1	0	0
17	46933529	CALCOCO2	0	0
7	93072953	CALCR	1	3
2	188225329	CALCRL	0	0
7	134620425	CALD1	0	0
10	105215211	CALHM1	0	2
10	105209408	CALHM2	0	1
10	105233253	CALHM3	0	0
15	68486361	CALML4	3	6
10	5541294	CALML5	0	0
1	1848243	CALML6	0	0
19	13051080	CALR	0	10
19	16589987	CALR3	0	5
7	128398998	CALU	0	1
10	135139616	CALY	0	0
3	9801385	CAMK1	0	1
10	12870814	CAMK1D	0	0
1	209783197	CAMK1G	0	0
4	114430844	CAMK2D	0	0
10	75597289	CAMK2G	0	0
5	110809006	CAMK4	0	1
17	3793969	CAMKK1	0	0
12	121687674	CAMKK2	0	2
2	44617335	CAMKMT	0	0
3	49898464	CAMKV	0	0
5	134074492	CAMLG	0	0
3	48266783	CAMP	0	1
9	138754368	CAMSAP1	1	0

1	200811202	CAMSAP2	2	0
19	7676478	CAMSAP3	1	0
1	7723825	CAMTA1	0	0
17	4881881	CAMTA2	0	0
12	67691535	CAND1	0	0
3	12858271	CAND2	0	0
17	76993507	CANT1	0	0
5	179134117	CANX	0	0
1	40533315	CAP1	0	0
6	17426846	CAP2	0	0
2	85629291	CAPG	0	0
11	64977484	CAPN1	0	0
2	241538074	CAPN10	0	4
6	44148324	CAPN11	0	1
19	39229241	CAPN12	4	3
2	30955371	CAPN13	1	0
2	31416138	CAPN14	1	3
16	602144	CAPN15	0	0
1	223954080	CAPN2	1	0
15	42703179	CAPN3	3	3
11	76831893	CAPN5	0	3
3	15276541	CAPN7	0	2
1	230883415	CAPN9	2	18
19	36640664	CAPNS1	0	1
16	55600817	CAPNS2	0	0
11	34093449	CAPRIN1	0	0
12	30866806	CAPRIN2	0	0
19	5915026	CAPS	0	0
12	75784591	CAPS2	6	28
5	35910529	CAPSL	0	0
1	113162461	CAPZA1	0	0
7	116528207	CAPZA2	0	0
12	18891838	CAPZA3	0	0
1	19669331	CAPZB	0	2
22	37900043	CARD10	0	0
7	2959065	CARD11	0	0
17	78182126	CARD14	0	0
11	104912221	CARD16	0	0
11	104971389	CARD17	0	0
11	105009589	CARD18	0	0
5	40841720	CARD6	2	12

19	48734152	CARD8	0	0
9	139266496	CARD9	6	29
2	203836457	CARF	5	27
16	8952287	CARHSP1	0	1
13	111279837	CARKD	0	0
9	77613587	CARNMT1	0	0
11	67191847	CARNS1	0	1
11	3039866	CARS	0	0
13	111357952	CARS2	2	15
5	71015775	CARTPT	0	0
12	25267740	CASC1	0	4
10	21784722	CASC10	0	1
17	38296786	CASC3	0	1
15	44695241	CASC4	0	0
15	40915870	CASC5	0	0
7	94174982	CASD1	0	2
16	2240313	CASKIN1	0	0
17	73499226	CASKIN2	0	0
11	104896988	CASP1	0	0
2	202050776	CASP10	3	0
19	15166303	CASP14	0	2
7	143002041	CASP2	0	0
4	185556496	CASP3	1	2
11	104820322	CASP4	0	3
11	104879628	CASP5	4	3
4	110612105	CASP6	0	2
10	115457264	CASP7	0	1
2	202134321	CASP8	3	29
6	90556328	CASP8AP2	0	0
1	15819435	CASP9	0	0
1	160163619	CASQ1	2	15
1	116311049	CASQ2	4	0
3	122003579	CASR	1	0
20	55027704	CASS4	0	0
5	96078382	CAST	0	1
1	10714008	CASZ1	0	0
11	34485773	CAT	0	0
2	219222315	CATIP	0	0
11	65793602	CATSPER1	0	0
15	43931232	CATSPER2	0	4
5	134305799	CATSPER3	0	0

1	26524280	CATSPER4	0	2
14	92126237	CATSPERB	0	4
19	5775251	CATSPERD	0	2
19	38853177	CATSPERG	0	12
3	8775562	CAV3	0	0
19	1234603	CBARP	0	0
20	32224438	CBFA2T2	0	0
16	88964560	CBFA2T3	0	1
11	119149208	CBL	0	0
3	105412329	CBLB	1	0
19	45281275	CBLC	0	0
7	107399239	CBLL1	0	0
14	24898012	CBLN3	0	0
21	37444937	CBR1	0	0
21	37510203	CBR3	1	8
4	169911379	CBR4	0	1
21	44482402	CBS	1	1
17	77758691	CBX2	4	5
7	26246142	CBX3	2	11
17	77807956	CBX4	0	0
17	77769202	CBX8	0	0
22	39069202	CBY1	0	0
19	14024401	CC2D1A	2	1
1	52825016	CC2D1B	2	2
4	15560802	CC2D2A	0	3
10	97779510	CC2D2B	0	4
10	70520907	CCAR1	0	0
8	22471792	CCAR2	0	0
18	57147410	CCBE1	0	2
9	131600423	CCBL1	0	0
1	89408757	CCBL2	0	1
16	57552624	CCDC102A	0	0
18	66506039	CCDC102B	2	6
17	42981590	CCDC103	0	0
19	15121809	CCDC105	5	23
19	56160907	CCDC106	0	1
9	35661088	CCDC107	0	1
4	110605797	CCDC109B	0	2
4	186379371	CCDC110	1	4
5	114605353	CCDC112	0	0
16	58286716	CCDC113	1	0

19	48821716	CCDC114	0	0
2	131097236	CCDC115	1	0
22	21987458	CCDC116	1	0
22	29182278	CCDC117	0	0
3	47018211	CCDC12	0	3
2	27849848	CCDC121	0	2
13	44434032	CCDC122	0	3
19	18047283	CCDC124	0	0
5	68616210	CCDC125	0	1
5	205613	CCDC127	0	3
7	31594070	CCDC129	3	4
3	42787486	CCDC13	0	3
19	13867018	CCDC130	0	0
22	42209760	CCDC134	0	0
7	128455834	CCDC136	0	0
17	79639539	CCDC137	0	0
2	109408221	CCDC138	1	1
3	123663815	CCDC14	2	5
2	223168756	CCDC140	0	2
2	179718304	CCDC141	1	7
2	74702410	CCDC142	0	1
7	76889503	CCDC146	0	2
2	159028750	CCDC148	0	5
4	24838984	CCDC149	0	0
11	124861377	CCDC15	1	4
2	197531605	CCDC150	1	1
19	11533244	CCDC151	0	0
5	42759295	CCDC152	0	1
11	119061045	CCDC153	0	2
16	1493910	CCDC154	0	1
19	49894179	CCDC155	0	1
22	30771511	CCDC157	1	1
4	77305465	CCDC158	0	3
19	11462762	CCDC159	1	0
8	144789080	CCDC166	0	1
6	37450914	CCDC167	0	0
13	103395386	CCDC168	2	10
13	36822743	CCDC169	0	0
1	46087600	CCDC17	0	0
6	151859314	CCDC170	3	0
9	15657180	CCDC171	1	5

10	118100255	CCDC172	0	1
2	170502645	CCDC173	0	4
3	14703094	CCDC174	0	0
18	30969567	CCDC178	3	12
1	93720153	CCDC18	1	15
9	100105782	CCDC180	1	8
1	169366516	CCDC181	0	0
17	55822569	CCDC182	0	0
9	139701456	CCDC183	3	16
12	48577986	CCDC184	0	0
1	223567808	CCDC185	0	1
10	115887429	CCDC186	0	2
16	30770705	CCDC189	2	1
1	162825490	CCDC190	0	0
3	113755513	CCDC191	1	4
1	44457545	CCDC24	0	0
1	3679816	CCDC27	3	19
6	139094917	CCDC28A	0	0
1	32667572	CCDC28B	0	0
10	13040482	CCDC3	2	2
1	43042801	CCDC30	1	3
15	74536401	CCDC33	0	0
11	27384523	CCDC34	8	14
3	49293716	CCDC36	0	0
12	96273432	CCDC38	0	2
3	180359927	CCDC39	0	4
17	78063636	CCDC40	0	3
17	8638822	CCDC42	0	0
17	42756230	CCDC43	0	0
17	61829312	CCDC47	0	2
3	191100561	CCDC50	0	2
3	48476431	CCDC51	0	0
3	107096750	CCDC54	0	0
17	80153238	CCDC57	0	2
12	82747058	CCDC59	0	1
10	61665886	CCDC6	0	0
12	119866533	CCDC60	5	13
19	46520026	CCDC61	0	0
12	123311036	CCDC62	0	0
12	111318977	CCDC63	0	2
12	120499561	CCDC64	0	0

16	3085375	CCDC64B	0	0
12	49315035	CCDC65	1	1
3	56649282	CCDC66	15	61
11	93129482	CCDC67	0	5
18	52608240	CCDC68	0	2
5	150603433	CCDC69	0	2
10	33143396	CCDC7	10	28
13	52439890	CCDC70	0	0
3	49200298	CCDC71	0	2
11	32720783	CCDC73	2	0
2	132290878	CCDC74A	0	0
2	130897218	CCDC74B	0	0
12	527671	CCDC77	0	2
16	775008	CCDC78	7	9
16	66802056	CCDC79	0	1
19	46914835	CCDC8	0	1
3	112358510	CCDC80	0	0
11	86086158	CCDC81	2	9
11	96092307	CCDC82	0	1
11	85627196	CCDC83	0	2
11	118869151	CCDC84	0	4
2	56420006	CCDC85A	0	0
14	99982561	CCDC85C	0	0
11	60610024	CCDC86	1	3
11	66359497	CCDC87	1	0
2	55546111	CCDC88A	0	0
11	64119681	CCDC88B	1	1
14	91739158	CCDC88C	0	0
11	85396084	CCDC89	0	3
19	47773728	CCDC9	0	0
11	82989865	CCDC90B	1	0
12	28412338	CCDC91	0	0
12	124427306	CCDC92	0	1
2	118710015	CCDC93	0	0
19	4247096	CCDC94	0	0
4	7043190	CCDC96	0	0
19	41822446	CCDC97	0	1
12	91348433	CCER1	0	1
9	36170290	CCIN	0	0
4	26491793	CCKAR	0	0
11	6291120	CCKBR	1	2

17	32614672	<i>CCL11</i>	0	0
17	34311387	<i>CCL14</i>	0	0
17	34304605	<i>CCL16</i>	0	1
16	57449687	<i>CCL17</i>	0	0
16	57397449	<i>CCL22</i>	0	0
17	34341398	<i>CCL23</i>	0	1
7	75442730	<i>CCL24</i>	0	0
19	8121360	<i>CCL25</i>	0	0
7	75401417	<i>CCL26</i>	0	1
9	34661994	<i>CCL27</i>	0	1
5	43388547	<i>CCL28</i>	0	0
17	34199393	<i>CCL5</i>	0	1
17	32647891	<i>CCL8</i>	0	2
7	45067342	<i>CCM2</i>	0	0
20	30619045	<i>CCM2L</i>	0	0
13	37015257	<i>CCNA1</i>	0	0
4	122739985	<i>CCNA2</i>	0	0
5	68470718	<i>CCNB1</i>	0	0
14	20779799	<i>CCNB1IP1</i>	0	0
15	59409495	<i>CCNB2</i>	0	3
11	69458674	<i>CCND1</i>	0	0
12	4409118	<i>CCND2</i>	0	0
6	41908273	<i>CCND3</i>	0	0
15	43483756	<i>CCNDBP1</i>	0	1
19	30312661	<i>CCNE1</i>	0	0
8	95895010	<i>CCNE2</i>	0	0
16	2483010	<i>CCNF</i>	0	1
5	162869565	<i>CCNG1</i>	0	0
4	78079736	<i>CCNG2</i>	0	0
5	86690237	<i>CCNH</i>	0	2
4	77977392	<i>CCNI</i>	1	2
5	159686559	<i>CCNJL</i>	0	1
14	99967186	<i>CCNK</i>	0	0
3	156866339	<i>CCNL1</i>	0	0
1	1326152	<i>CCNL2</i>	0	0
5	54527476	<i>CCNO</i>	0	0
12	49086897	<i>CCNT1</i>	0	1
2	135711022	<i>CCNT2</i>	0	0
10	35841973	<i>CCNY</i>	0	0
16	19548257	<i>CCP110</i>	0	0
15	55669169	<i>CCPG1</i>	0	0

3	46244995	CCR1	0	0
17	40833834	CCR10	0	0
3	46399979	CCR2	1	1
3	46307402	CCR3	0	0
3	32995928	CCR4	0	0
3	46414984	CCR5	1	8
6	167549617	CCR6	0	0
17	38711606	CCR7	0	0
3	39373902	CCR8	0	1
3	45942628	CCR9	0	0
3	46449128	CCRL2	0	1
11	66360730	CCS	0	0
1	229461024	CCSAP	0	0
4	91229600	CCSER1	1	3
10	86273280	CCSER2	0	0
12	69991419	CCT2	0	0
1	156280971	CCT3	0	0
2	62104133	CCT4	0	0
5	10254964	CCT5	0	0
7	56130351	CCT6A	0	0
17	33269904	CCT6B	13	38
2	73477437	CCT7	0	0
21	30442667	CCT8	0	0
22	17072619	CCT8L2	0	0
1	117552696	CD101	0	3
6	74516678	CD109	1	3
5	140012281	CD14	0	0
11	836765	CD151	0	0
1	145698923	CD160	0	1
12	7637744	CD163	0	1
12	7528041	CD163L1	3	5
6	109691627	CD164	0	0
1	27706597	CD164L2	0	0
5	66480278	CD180	1	6
16	28947807	CD19	0	2
1	158227501	CD1A	0	0
1	158298742	CD1B	4	14
1	158263345	CD1C	0	1
1	158153907	CD1D	0	0
1	158324413	CD1E	1	0
1	117311243	CD2	0	0

3	112059768	CD200	0	0
3	112647832	CD200R1	1	0
3	112538678	CD200R1L	0	0
2	71058274	CD207	2	5
19	7808000	CD209	0	0
19	35823496	CD22	0	0
18	67614280	CD226	0	0
1	160808810	CD244	0	0
11	66083269	CD248	0	0
12	6554628	CD27	0	0
9	5456131	CD274	0	0
15	74005279	CD276	0	1
2	204591600	CD28	0	0
6	47548672	CD2AP	0	0
16	30364789	CD2BP2	0	0
17	72477930	CD300A	0	1
17	72610143	CD300E	0	2
17	72522056	CD300LB	1	0
17	72584688	CD300LD	0	1
17	72699278	CD300LF	0	0
17	41924603	CD300LG	0	1
2	160628427	CD302	2	1
19	8367815	CD320	0	1
19	51738933	CD33	0	3
1	208061470	CD34	0	1
7	80301218	CD36	7	12
19	49840245	CD37	0	2
4	15839793	CD38	0	1
11	118183445	CD3E	0	0
19	45909934	CD3EAP	0	0
11	118223131	CD3G	0	6
12	6925325	CD4	0	3
20	44751790	CD40	0	0
11	35201893	CD44	1	0
1	207966923	CD46	0	0
1	160681544	CD48	0	1
11	60882541	CD5	0	0
1	26646698	CD52	0	1
1	111437030	CD53	0	0
1	207495884	CD55	0	0
1	117064513	CD58	0	0

1	157804260	CD5L	1	9
11	60781424	CD6	0	0
12	56120556	CD63	0	0
17	7483319	CD68	4	34
17	80274619	CD7	0	0
19	6586268	CD70	0	0
9	35615989	CD72	0	1
5	149786558	CD74	0	0
19	42383127	CD79A	0	0
3	119256161	CD80	1	0
11	44640270	CD82	0	1
6	14131804	CD83	0	0
1	160523103	CD84	2	2
3	121810428	CD86	0	1
2	87017689	CD8A	0	0
2	87049425	CD8B	2	0
12	6344725	CD9	0	1
20	23065352	CD93	0	1
3	111319682	CD96	0	4
1	20931473	CDA	0	0
13	49848489	CDADC1	1	0
15	43020193	CDAN1	1	1
10	12292383	CDC123	0	0
1	100964826	CDC14A	1	2
9	99296827	CDC14B	0	1
13	115004524	CDC16	0	0
5	54424246	CDC20B	0	2
5	137525322	CDC23	0	0
3	48218912	CDC25A	0	0
20	3784113	CDC25B	0	0
5	137665323	CDC25C	0	1
17	45201242	CDC27	0	0
19	532036	CDC34	0	0
19	10503752	CDC37	0	0
9	4706113	CDC37L1	0	1
6	110540613	CDC40	0	1
1	227504884	CDC42BPA	0	0
14	103416191	CDC42BPB	0	0
11	64595167	CDC42BPG	0	6
22	37962740	CDC42EP1	0	0
11	65088433	CDC42EP2	0	0

2	37873065	<i>CDC42EP3</i>	0	0
17	71282516	<i>CDC42EP4</i>	0	0
22	19467044	<i>CDC45</i>	0	0
6	44360533	<i>CDC5L</i>	0	0
17	38450248	<i>CDC6</i>	0	1
1	91973916	<i>CDC7</i>	1	2
8	25319571	<i>CDCA2</i>	0	0
12	6958272	<i>CDCA3</i>	0	2
14	105477613	<i>CDCA4</i>	0	0
7	21946045	<i>CDCA7L</i>	0	1
3	45153777	<i>CDCP1</i>	0	1
1	54605241	<i>CDCP2</i>	0	3
16	68845660	<i>CDH1</i>	0	0
5	24505378	<i>CDH10</i>	0	0
16	65005912	<i>CDH11</i>	0	1
5	21765057	<i>CDH12</i>	0	0
16	83704514	<i>CDH13</i>	0	2
16	89249985	<i>CDH15</i>	0	0
16	66948130	<i>CDH16</i>	0	1
8	95188850	<i>CDH17</i>	1	0
5	19721541	<i>CDH18</i>	0	0
18	64235882	<i>CDH19</i>	0	1
18	25572739	<i>CDH2</i>	0	0
18	59170304	<i>CDH20</i>	0	0
20	44815300	<i>CDH22</i>	0	0
10	73537586	<i>CDH23</i>	1	2
14	23524455	<i>CDH24</i>	0	0
20	58564102	<i>CDH26</i>	0	5
16	68714921	<i>CDH3</i>	0	0
20	60293819	<i>CDH4</i>	0	0
16	66430137	<i>CDH5</i>	0	3
5	31294311	<i>CDH6</i>	0	0
18	63489450	<i>CDH7</i>	0	0
16	61687834	<i>CDH8</i>	1	0
5	26902644	<i>CDH9</i>	0	0
10	85968037	<i>CDHR1</i>	0	3
5	176002753	<i>CDHR2</i>	0	3
7	105668973	<i>CDHR3</i>	3	0
3	49831132	<i>CDHR4</i>	6	18
11	621598	<i>CDHR5</i>	1	3
16	4562992	<i>CDIP1</i>	1	1

16	29874057	<i>CDIPT</i>	1	1
10	62553734	<i>CDK1</i>	0	1
16	89757905	<i>CDK10</i>	0	1
1	1635272	<i>CDK11A</i>	2	10
1	1572125	<i>CDK11B</i>	0	2
17	37686961	<i>CDK12</i>	0	0
7	40039041	<i>CDK13</i>	0	1
7	90546951	<i>CDK14</i>	0	0
2	202688391	<i>CDK15</i>	2	3
12	96677363	<i>CDK17</i>	0	0
1	205492622	<i>CDK18</i>	0	2
9	90586221	<i>CDK20</i>	0	0
17	73999282	<i>CDK3</i>	1	0
12	58144459	<i>CDK4</i>	0	0
17	30815436	<i>CDK5R1</i>	0	0
20	31975206	<i>CDK5RAP1</i>	0	1
9	123205912	<i>CDK5RAP2</i>	1	3
17	46052700	<i>CDK5RAP3</i>	0	1
7	92244486	<i>CDK6</i>	0	0
5	68531253	<i>CDK7</i>	0	0
9	130551711	<i>CDK9</i>	0	1
6	21231150	<i>CDKAL1</i>	0	1
14	50877341	<i>CDKL1</i>	0	0
4	76521525	<i>CDKL2</i>	0	0
5	133655117	<i>CDKL3</i>	1	2
2	39406336	<i>CDKL4</i>	0	0
6	36652172	<i>CDKN1A</i>	1	0
12	12871046	<i>CDKN1B</i>	0	0
9	21994391	<i>CDKN2A</i>	0	0
4	184367605	<i>CDKN2AIP</i>	0	0
14	54868306	<i>CDKN3</i>	1	0
10	14862042	<i>CDNF</i>	0	3
5	115148872	<i>CDO1</i>	0	0
11	125831724	<i>CDON</i>	1	4
22	46643052	<i>CDPF1</i>	0	1
16	22385632	<i>CDR2</i>	0	1
17	72997459	<i>CDR2L</i>	0	1
17	15517125	<i>CDRT1</i>	0	0
4	85569724	<i>CDS1</i>	0	2
20	5159551	<i>CDS2</i>	0	1
16	88874632	<i>CDT1</i>	0	1

6	4892501	<i>CDYL</i>	0	0
16	80638318	<i>CDYL2</i>	0	0
19	43025432	<i>CEACAM1</i>	0	0
19	45209041	<i>CEACAM16</i>	0	0
19	51984727	<i>CEACAM18</i>	0	0
19	45185810	<i>CEACAM19</i>	0	1
19	45021082	<i>CEACAM20</i>	0	1
19	42083820	<i>CEACAM21</i>	1	1
19	42312921	<i>CEACAM3</i>	0	0
19	42126952	<i>CEACAM4</i>	0	1
19	42222186	<i>CEACAM5</i>	0	1
19	42265929	<i>CEACAM6</i>	0	1
19	42190859	<i>CEACAM7</i>	1	0
20	48808350	<i>CEBPB</i>	0	0
14	23588124	<i>CEBPE</i>	0	0
19	33870599	<i>CEBPG</i>	0	0
2	37458690	<i>CEBPZ</i>	0	1
22	17684546	<i>CECR1</i>	0	2
22	18027977	<i>CECR2</i>	0	0
22	17618977	<i>CECR5</i>	1	1
22	17600401	<i>CECR6</i>	0	0
9	135947103	<i>CEL</i>	3	9
12	51735072	<i>CELA1</i>	0	2
1	15789285	<i>CELA2A</i>	0	1
1	15817798	<i>CELA2B</i>	0	0
1	22332167	<i>CELA3A</i>	0	1
1	22313161	<i>CELA3B</i>	0	1
10	11360831	<i>CELF2</i>	0	0
1	151677631	<i>CELF3</i>	0	0
15	72581178	<i>CELF6</i>	0	0
22	46806419	<i>CELSR1</i>	4	32
1	109805587	<i>CELSR2</i>	0	1
3	48697731	<i>CELSR3</i>	0	4
15	81235348	<i>CEMIP</i>	0	2
16	2580534	<i>CEMP1</i>	1	4
11	788202	<i>CEND1</i>	0	0
20	3766198	<i>CENPB</i>	0	1
16	90037882	<i>CENPBD1</i>	0	0
4	68340622	<i>CENPC</i>	0	0
4	104061551	<i>CENPE</i>	0	3
1	214815317	<i>CENPF</i>	1	11

5	68498782	CENPH	1	1
13	25479956	CENPJ	1	5
5	64814305	CENPK	0	0
1	173776476	CENPL	0	0
22	42335147	CENPM	0	0
16	81061827	CENPN	0	2
2	25040561	CENPO	0	1
9	95088255	CENPP	1	0
16	67863430	CENPT	0	1
4	185655214	CENPU	0	1
6	126669577	CENPW	5	21
1	3751611	CEP104	0	1
17	63632108	CEP112	1	0
5	122682393	CEP120	0	0
11	101834260	CEP126	0	1
14	81372288	CEP128	0	2
17	79166202	CEP131	0	2
4	56874537	CEP135	4	12
15	49073387	CEP152	0	9
6	84911504	CEP162	0	3
11	117265138	CEP164	3	6
14	105359293	CEP170B	0	0
18	13008563	CEP192	0	4
20	34065803	CEP250	0	6
12	88449344	CEP290	0	7
11	93460187	CEP295	2	2
17	76887252	CEP295NL	1	3
1	180062293	CEP350	0	0
7	130040587	CEP41	0	0
4	175231921	CEP44	0	0
10	95278683	CEP55	0	1
11	95561100	CEP57	0	0
3	134270766	CEP63	1	2
2	65299614	CEP68	0	1
3	138291735	CEP70	0	0
5	635537	CEP72	0	3
18	12697298	CEP76	1	0
9	80880841	CEP78	0	1
12	94772786	CEP83	0	1
1	26584679	CEP85	0	0
6	118886761	CEP85L	1	4

19	33422329	<i>CEP89</i>	0	9
17	62525486	<i>CEP95</i>	3	8
3	101443548	<i>CEP97</i>	0	1
1	111724915	<i>CEPT1</i>	0	1
9	14720193	<i>CER1</i>	0	0
9	131193519	<i>CERCAM</i>	0	1
22	47103813	<i>CERK</i>	0	3
2	182402856	<i>CERKL</i>	0	2
19	18991172	<i>CERS1</i>	0	0
1	150939883	<i>CERS2</i>	0	0
15	100996194	<i>CERS3</i>	1	0
19	8321186	<i>CERS4</i>	0	6
12	50532335	<i>CERS5</i>	0	1
2	169551569	<i>CERS6</i>	0	1
16	55853545	<i>CES1</i>	0	0
16	66973170	<i>CES2</i>	0	3
16	66998552	<i>CES3</i>	0	0
16	67037054	<i>CES4A</i>	0	3
16	55880510	<i>CES5A</i>	3	6
16	57012149	<i>CETP</i>	1	1
3	126137456	<i>CFAP100</i>	0	1
1	161337604	<i>CFAP126</i>	0	2
9	130476182	<i>CFAP157</i>	2	5
15	81427679	<i>CFAP161</i>	0	0
6	88126436	<i>CFAP206</i>	1	6
2	120362293	<i>CFAP221</i>	0	1
2	55772081	<i>CFAP36</i>	1	0
10	105922135	<i>CFAP43</i>	1	1
3	113135345	<i>CFAP44</i>	1	1
1	159863012	<i>CFAP45</i>	1	0
10	134713159	<i>CFAP46</i>	4	21
17	9536284	<i>CFAP52</i>	0	1
18	47778073	<i>CFAP53</i>	1	0
12	97078469	<i>CFAP54</i>	0	1
1	43698171	<i>CFAP57</i>	0	2
10	106125652	<i>CFAP58</i>	1	5
20	20246030	<i>CFAP61</i>	0	12
2	219886977	<i>CFAP65</i>	1	5
7	89939427	<i>CFAP69</i>	1	3
10	75034274	<i>CFAP70</i>	0	3
12	113592199	<i>CFAP73</i>	0	0

1	1857723	CFAP74	2	16
9	135374815	CFAP77	0	0
4	186112111	CFAP97	0	1
16	75445775	CFDP1	1	0
1	196642970	CFH	0	0
1	196928188	CFHR2	2	4
1	196762616	CFHR3	2	7
1	196883650	CFHR4	0	0
1	196977813	CFHR5	9	33
4	110673692	CFI	0	0
2	202025375	CFLAR	0	0
7	117246807	CFTR	7	17
1	151497138	CGN	0	4
15	57816901	CGNL1	0	1
2	27325070	CGREF1	0	3
14	54997751	CGRRF1	0	0
10	47087812	CH17	2	4
15	41245732	CHAC1	0	1
2	54001575	CHAC2	1	7
17	48543154	CHAD	0	0
22	41635546	CHADL	0	0
19	4432023	CHAF1A	0	0
21	37787615	CHAF1B	0	0
13	115091073	CHAMP1	0	0
10	50857695	CHAT	1	0
2	113343873	CHCHD5	1	1
3	126676328	CHCHD6	0	1
8	57129049	CHCHD7	0	1
5	98208272	CHD1	0	0
1	146743851	CHD1L	1	9
15	93534680	CHD2	0	0
17	7800511	CHD3	0	1
12	6679898	CHD4	0	0
1	6184144	CHD5	0	0
20	40080623	CHD6	0	0
8	61654024	CHD7	0	1
14	21861700	CHD8	0	0
16	53341748	CHD9	0	0
3	53853009	CHDH	0	1
11	125503188	CHEK1	0	0
22	29095886	CHEK2	0	3

19	16643945	<i>CHERP</i>	0	0
12	133435779	<i>CHFR</i>	0	2
14	93393953	<i>CHGA</i>	0	0
20	5903276	<i>CHGB</i>	0	1
1	203148666	<i>CHI3L1</i>	0	1
1	111773810	<i>CHI3L2</i>	0	0
1	111854859	<i>CHIA</i>	1	10
4	54915409	<i>CHIC2</i>	0	0
11	902208	<i>CHID1</i>	0	0
1	203197694	<i>CHIT1</i>	7	33
11	67821444	<i>CHKA</i>	0	0
22	51019100	<i>CHKB</i>	0	0
3	384652	<i>CHL1</i>	0	1
1	241797819	<i>CHML</i>	0	2
16	89720302	<i>CHMP1A</i>	1	2
19	59065460	<i>CHMP2A</i>	0	0
3	87302550	<i>CHMP2B</i>	2	2
14	24679928	<i>CHMP4A</i>	2	10
8	82670404	<i>CHMP4C</i>	0	0
17	78972216	<i>CHMP6</i>	0	0
8	23112798	<i>CHMP7</i>	0	0
2	175816952	<i>CHN1</i>	0	1
7	29523556	<i>CHN2</i>	0	0
21	19628996	<i>CHODL</i>	0	0
16	23768875	<i>CHP2</i>	3	20
2	220404648	<i>CHPF</i>	0	0
7	150935182	<i>CHPF2</i>	0	2
12	102120152	<i>CHPT1</i>	0	0
8	141524484	<i>CHRAC1</i>	0	0
3	184102396	<i>CHRD</i>	0	0
11	74413955	<i>CHRD2</i>	0	0
11	62678411	<i>CHRM1</i>	0	0
7	136700809	<i>CHRM2</i>	0	0
1	240070943	<i>CHRM3</i>	0	0
11	46407751	<i>CHRM4</i>	0	0
15	34356485	<i>CHRM5</i>	0	0
2	175629139	<i>CHRNA1</i>	0	1
11	3690981	<i>CHRNA10</i>	0	1
8	27321264	<i>CHRNA2</i>	0	1
15	78909452	<i>CHRNA3</i>	1	2
20	61987738	<i>CHRNA4</i>	0	0

15	78882233	<i>CHRNA5</i>	0	3
8	42611568	<i>CHRNA6</i>	0	7
4	40339250	<i>CHRNA9</i>	0	0
17	7350250	<i>CHRNB1</i>	0	1
1	154548384	<i>CHRNB2</i>	0	0
8	42587659	<i>CHRNB3</i>	0	2
15	78921444	<i>CHRNB4</i>	0	0
2	233390970	<i>CHRND</i>	0	0
17	4806344	<i>CHRNE</i>	1	1
2	233404855	<i>CHRNG</i>	0	7
11	45672261	<i>CHST1</i>	0	0
2	101031499	<i>CHST10</i>	0	0
12	104995739	<i>CHST11</i>	0	0
7	2472832	<i>CHST12</i>	0	1
3	126261313	<i>CHST13</i>	0	0
15	40763883	<i>CHST14</i>	0	0
10	125804292	<i>CHST15</i>	0	1
3	142840933	<i>CHST2</i>	0	0
10	73767986	<i>CHST3</i>	0	1
16	71570811	<i>CHST4</i>	0	0
16	75563330	<i>CHST5</i>	0	5
16	75513243	<i>CHST6</i>	0	0
19	34263524	<i>CHST8</i>	0	0
18	24497190	<i>CHST9</i>	0	0
15	101717680	<i>CHSY1</i>	0	1
5	129520707	<i>CHSY3</i>	0	0
16	840328	<i>CHTF18</i>	0	1
1	153615682	<i>CHTOP</i>	0	0
10	101977883	<i>CHUK</i>	0	0
14	65479115	<i>CHURC1</i>	0	0
2	96935007	<i>CIAO1</i>	2	0
1	150257054	<i>CIART</i>	0	0
15	78398257	<i>CIB2</i>	0	0
19	16275609	<i>CIB3</i>	0	0
2	26864193	<i>CIB4</i>	0	1
19	42795792	<i>CIC</i>	1	0
18	12254816	<i>CIDEA</i>	0	0
14	24775612	<i>CIDEB</i>	2	3
3	9911950	<i>CIDEC</i>	0	0
16	11001743	<i>CIITA</i>	0	2
15	65499319	<i>CILP</i>	1	1

19	19655211	<i>CILP2</i>	0	1
14	102825829	<i>CINP</i>	0	0
14	77576271	<i>CIPC</i>	0	1
2	175234781	<i>CIR1</i>	0	1
19	1271120	<i>CIRBP</i>	0	0
3	50645181	<i>CISH</i>	0	1
12	120262981	<i>CIT</i>	0	0
9	130943027	<i>CIZ1</i>	0	1
13	53036553	<i>CKAP2</i>	0	3
2	113496469	<i>CKAP2L</i>	0	0
12	106632948	<i>CKAP4</i>	0	0
11	46785085	<i>CKAP5</i>	0	0
19	45810131	<i>CKM</i>	1	5
5	80555016	<i>CKMT2</i>	1	2
2	122125252	<i>CLASP1</i>	0	0
3	33638255	<i>CLASP2</i>	0	0
19	45571258	<i>CLASRP</i>	0	1
19	40225646	<i>CLC</i>	1	0
1	86952227	<i>CLCA1</i>	0	3
1	86920973	<i>CLCA2</i>	1	0
1	87033286	<i>CLCA4</i>	0	2
1	109486557	<i>CLCC1</i>	0	0
11	67132691	<i>CLCF1</i>	0	0
7	143039567	<i>CLCN1</i>	2	6
3	184070588	<i>CLCN2</i>	0	1
4	170634285	<i>CLCN3</i>	0	0
1	11880382	<i>CLCN6</i>	0	0
16	1507276	<i>CLCN7</i>	0	0
1	16356497	<i>CLCNKA</i>	2	5
1	16373124	<i>CLCNKB</i>	0	2
3	190039789	<i>CLDN1</i>	0	1
13	96212477	<i>CLDN10</i>	0	0
7	90042176	<i>CLDN12</i>	0	0
21	37833304	<i>CLDN14</i>	0	0
7	100875851	<i>CLDN15</i>	0	1
3	190127743	<i>CLDN16</i>	0	0
21	31538654	<i>CLDN17</i>	0	0
3	137749839	<i>CLDN18</i>	0	0
1	43201614	<i>CLDN19</i>	0	0
6	155597435	<i>CLDN20</i>	0	1
8	8560091	<i>CLDN23</i>	0	1

11	113650640	<i>CLDN25</i>	0	0
7	73184317	<i>CLDN3</i>	0	0
7	73246068	<i>CLDN4</i>	0	0
17	7165192	<i>CLDN7</i>	0	0
21	31587793	<i>CLDN8</i>	0	0
16	3063750	<i>CLDN9</i>	3	1
3	98235614	<i>CLDND1</i>	0	1
19	51871157	<i>CLDND2</i>	0	0
17	6981397	<i>CLEC10A</i>	2	2
19	51228481	<i>CLEC11A</i>	1	10
12	10132083	<i>CLEC12A</i>	0	0
12	10167887	<i>CLEC12B</i>	1	2
16	11220123	<i>CLEC16A</i>	0	0
12	10233924	<i>CLEC1A</i>	0	2
12	10151715	<i>CLEC1B</i>	0	1
12	10084937	<i>CLEC2A</i>	1	2
12	9833580	<i>CLEC2D</i>	0	0
16	78064351	<i>CLEC3A</i>	0	0
12	8276483	<i>CLEC4A</i>	0	3
12	7899976	<i>CLEC4C</i>	0	5
12	8672917	<i>CLEC4D</i>	0	3
12	8687306	<i>CLEC4E</i>	0	0
2	71043517	<i>CLEC4F</i>	0	1
19	7796137	<i>CLEC4G</i>	0	0
19	7831044	<i>CLEC4M</i>	6	19
7	141631516	<i>CLEC5A</i>	0	0
12	8612294	<i>CLEC6A</i>	0	0
12	10271069	<i>CLEC7A</i>	0	1
12	10215760	<i>CLEC9A</i>	0	0
12	9885813	<i>CLECL1</i>	0	0
4	141323162	<i>CLGN</i>	1	3
2	55439860	<i>CLHC1</i>	0	1
9	139889253	<i>CLIC3</i>	0	0
6	46047620	<i>CLIC5</i>	1	0
21	36088720	<i>CLIC6</i>	0	0
5	157214672	<i>CLINT1</i>	0	0
12	122812563	<i>CLIP1</i>	4	10
7	73768266	<i>CLIP2</i>	0	0
19	36518001	<i>CLIP3</i>	0	0
2	29358508	<i>CLIP4</i>	0	0
2	201718713	<i>CLK1</i>	0	2

1	155238134	CLK2	0	0
15	74917306	CLK3	0	0
5	178035407	CLK4	0	1
12	92818813	CLLU1	0	0
14	95670221	CLMN	0	0
11	122944416	CLMP	0	1
16	28497856	CLN3	0	3
13	77570221	CLN5	0	1
15	68503562	CLN6	0	0
8	1719538	CLN8	0	0
4	10542180	CLNK	0	1
4	56345890	CLOCK	0	0
11	57428280	CLP1	0	0
11	72114021	CLPB	0	0
19	6362489	CLPP	0	0
6	35765043	CLPS	0	0
6	35748968	CLPSL1	0	3
6	35745305	CLPSL2	0	0
19	45494513	CLPTM1	0	0
5	1344843	CLPTM1L	0	2
15	65459062	CLPX	0	1
3	150644583	CLRN1	0	1
4	17528618	CLRN2	1	0
10	129690837	CLRN3	0	1
1	36213603	CLSPN	0	1
1	9791234	CLSTN1	0	0
3	140281050	CLSTN2	0	0
12	7310611	CLSTN3	0	0
5	175843290	CLTB	6	0
17	57744190	CLTC	0	0
22	19241488	CLTCL1	3	6
8	27462481	CLU	0	0
16	3576475	CLUAP1	0	0
17	2604861	CLUH	0	0
18	618012	CLUL1	0	4
8	62212503	CLVS1	0	0
6	123318979	CLVS2	0	0
13	100511171	CLYBL	0	0
14	24974818	CMA1	1	0
5	10282396	CMBL	0	1
16	81010073	CMC2	0	0

16	81691434	CMIP	0	0
12	108686020	CMKLR1	0	0
1	47834155	CMPK1	1	0
2	6989988	CMPK2	0	0
3	99891219	CMSS1	0	1
16	66600687	CMTM1	0	0
16	66620929	CMTM2	0	0
16	66642247	CMTM3	0	0
16	66656102	CMTM4	0	0
14	23848311	CMTM5	1	0
3	32525499	CMTM6	0	0
3	32398921	CMTM8	0	0
6	37446963	CMTR1	0	0
16	71319053	CMTR2	1	2
5	79027700	CMYA5	3	15
8	88249197	CNBD1	1	6
20	34560609	CNBD2	0	3
3	128890050	CNBP	0	0
18	72250883	CNDP1	0	0
18	72176083	CNDP2	0	0
4	47939470	CNGA1	2	4
2	99012749	CNGA3	1	0
11	6265569	CNGA4	0	4
16	57951295	CNGB1	1	2
8	87680282	CNGB3	0	12
1	224918238	CNIH3	0	0
1	224544659	CNIH4	0	0
1	26504066	CNKSR1	0	4
6	154754664	CNKSR3	0	0
19	11657698	CNN1	0	0
1	95363577	CNN3	0	0
10	101147692	CNNM1	0	1
2	97494329	CNNM3	0	2
2	97464936	CNNM4	0	0
16	58579274	CNOT1	0	1
3	32800976	CNOT10	0	1
2	101885797	CNOT11	0	0
12	70736015	CNOT2	0	0
19	54646749	CNOT3	0	0
7	135078755	CNOT4	0	0
5	179956302	CNOT6	0	0

17	40120643	CNP	0	0
2	220038939	CNPPD1	0	0
7	155404010	CNPY1	0	0
12	56708909	CNPY2	0	0
7	99722469	CNPY4	0	0
6	88854253	CNR1	0	0
1	24201643	CNR2	0	0
1	246754947	CNST	0	0
17	40951150	CNTD1	0	0
19	40729397	CNTD2	0	1
11	58390293	CNTF	0	1
9	34568926	CNTFR	0	0
9	17388162	CNTLN	3	26
12	41463740	CNTN1	0	0
1	205041158	CNTN2	1	0
3	74316516	CNTN3	0	0
3	3081786	CNTN4	0	1
11	100211913	CNTN5	0	0
3	1262486	CNTN6	2	12
17	40841623	CNTNAP1	0	1
7	146829390	CNTNAP2	0	0
16	76509866	CNTNAP4	0	1
2	125504972	CNTNAP5	0	0
9	123880694	CNTRL	2	5
17	7837470	CNTROB	0	2
17	40950108	COA3	0	1
11	73584353	COA4	0	0
1	234509586	COA6	1	2
1	53153461	COA7	0	0
17	40716597	COASY	0	7
7	51097063	COBL	0	2
2	165630247	COBLL1	0	1
14	31346854	COCH	0	1
17	71197986	COG1	0	1
1	230819315	COG2	0	0
13	46099107	COG3	0	0
16	70530184	COG4	0	0
7	107194716	COG5	0	2
13	40229891	COG6	0	1
16	23421636	COG7	2	0
16	69368784	COG8	0	0

17	55027256	COIL	0	1
6	116441428	COL10A1	1	1
1	103467528	COL11A1	0	1
6	75848169	COL12A1	0	0
10	71700715	COL13A1	0	1
8	121301887	COL14A1	1	2
9	101749597	COL15A1	2	9
1	32151904	COL16A1	0	2
10	105833952	COL17A1	2	3
21	46910227	COL18A1	3	11
6	70859564	COL19A1	0	2
17	48264366	COL1A1	0	0
7	94048890	COL1A2	0	0
20	61945228	COL20A1	2	5
6	56006711	COL21A1	0	5
8	139749837	COL22A1	2	4
5	177717344	COL23A1	4	21
1	86289373	COL24A1	6	7
4	109790329	COL25A1	0	1
9	117063396	COL27A1	0	0
7	7415088	COL28A1	2	3
12	48376864	COL2A1	0	0
2	189871022	COL3A1	0	0
13	110861734	COL4A1	0	0
13	111158823	COL4A2	0	2
2	228109062	COL4A3	0	4
5	74675246	COL4A3BP	0	3
2	227906883	COL4A4	0	1
9	137676802	COL5A1	0	0
2	189923128	COL5A2	0	0
19	10116508	COL5A3	0	2
21	47421979	COL6A1	0	0
21	47546390	COL6A2	1	2
2	238275771	COL6A3	4	4
3	130187662	COL6A5	7	55
3	130282384	COL6A6	5	10
3	48612175	COL7A1	0	3
3	99514230	COL8A1	0	0
1	36563986	COL8A2	0	0
6	71003908	COL9A1	1	5
1	40767578	COL9A2	0	2

20	61453507	COL9A3	0	3
11	111178946	COLCA2	0	0
8	120101986	COLEC10	0	0
2	3691548	COLEC11	0	0
18	346545	COLEC12	0	0
19	17691655	COLGALT1	1	1
1	183909888	COLGALT2	0	0
3	15497520	COLQ	2	0
2	62228013	COMMD1	0	0
5	115469842	COMMD10	0	0
3	149470181	COMMD2	0	2
10	22607872	COMMD3	1	4
8	146076685	COMMD5	0	0
13	76111590	COMMD6	0	0
4	47455085	COMMD8	0	0
11	36310912	COMMD9	0	0
19	18895105	COMP	0	4
22	19951201	COMT	0	0
10	76994443	COMTD1	0	1
1	160295357	COPA	0	0
11	14482816	COPB1	0	1
3	139094400	COPB2	0	0
19	19017833	COPE	0	0
3	128984409	COPG1	0	0
17	17168164	COPS3	0	1
4	83970315	COPS4	0	0
12	6839912	COPS7A	0	0
2	232673168	COPS7B	0	1
12	54718955	COPZ1	0	0
12	56663017	COQ10A	0	0
4	84185511	COQ2	0	0
6	99819379	COQ3	0	2
9	131094453	COQ4	0	0
12	120954455	COQ5	0	0
14	74417026	COQ6	0	0
16	19087093	COQ7	0	2
16	57485125	COQ9	0	8
4	47628519	CORIN	1	2
16	30198161	CORO1A	0	0
11	67206256	CORO1B	0	0
9	100899941	CORO2A	0	1

15	68937516	<i>CORO2B</i>	0	0
17	27945973	<i>CORO6</i>	0	2
16	4412082	<i>CORO7</i>	3	8
16	84623789	<i>COTL1</i>	0	0
17	13980164	<i>COX10</i>	0	0
10	101474368	<i>COX15</i>	0	2
4	73935076	<i>COX18</i>	3	24
1	245006439	<i>COX20</i>	0	0
20	30227705	<i>COX4I2</i>	0	0
16	31439654	<i>COX6A2</i>	0	0
19	55865252	<i>COX6B2</i>	2	15
19	36642397	<i>COX7A1</i>	0	1
2	42588290	<i>COX7A2L</i>	0	0
3	148904440	<i>CP</i>	0	3
7	130023599	<i>CPA1</i>	1	2
7	129929488	<i>CPA2</i>	0	2
3	148599344	<i>CPA3</i>	0	0
7	129950651	<i>CPA4</i>	2	11
7	130007381	<i>CPA5</i>	0	0
8	68334816	<i>CPA6</i>	0	1
19	17068648	<i>CPAMD8</i>	0	4
3	148552329	<i>CPB1</i>	1	2
13	46638844	<i>CPB2</i>	0	0
17	28749764	<i>CPD</i>	0	1
4	166418753	<i>CPE</i>	0	0
15	83240227	<i>CPEB1</i>	0	0
4	15009028	<i>CPEB2</i>	0	0
10	93999268	<i>CPEB3</i>	0	0
5	173317366	<i>CPEB4</i>	1	0
7	120911462	<i>CPED1</i>	1	5
15	75122651	<i>CPLX3</i>	0	0
12	69263172	<i>CPM</i>	0	0
10	101835764	<i>CPN1</i>	0	3
3	194062541	<i>CPN2</i>	0	0
20	34219220	<i>CPNE1</i>	4	6
16	57161788	<i>CPNE2</i>	0	0
8	87567101	<i>CPNE3</i>	0	0
3	131388531	<i>CPNE4</i>	0	0
6	36712849	<i>CPNE5</i>	0	1
14	24543787	<i>CPNE6</i>	0	0
16	89643997	<i>CPNE7</i>	0	1

12	39170075	<i>CPNE8</i>	0	1
2	207825652	<i>CPO</i>	0	1
3	98304403	<i>CPOX</i>	0	0
16	12798724	<i>CPPED1</i>	1	1
8	97847279	<i>CPQ</i>	1	0
2	211459281	<i>CPS1</i>	1	0
8	145622545	<i>CPSF1</i>	10	2
14	92624082	<i>CPSF2</i>	0	1
2	9595840	<i>CPSF3</i>	0	2
1	1248332	<i>CPSF3L</i>	0	2
17	71253917	<i>CPSF4L</i>	0	0
11	61187476	<i>CPSF7</i>	0	0
11	68542830	<i>CPT1A</i>	0	1
22	51007776	<i>CPT1B</i>	0	1
19	50209197	<i>CPT1C</i>	0	1
1	53675880	<i>CPT2</i>	0	1
1	1262966	<i>CPTP</i>	0	0
7	29105722	<i>CPVL</i>	1	4
20	2777070	<i>CPXM1</i>	0	0
10	125516777	<i>CPXM2</i>	1	2
4	8621188	<i>CPZ</i>	3	7
1	207680070	<i>CR1</i>	0	2
1	207851554	<i>CR1L</i>	0	2
1	207652597	<i>CR2</i>	2	6
1	156669830	<i>CRABP2</i>	1	0
12	3749891	<i>CRACR2A</i>	5	27
11	829341	<i>CRACR2B</i>	0	0
12	94072653	<i>CRADD</i>	0	0
16	1719069	<i>CRAMP1</i>	0	0
9	131871542	<i>CRAT</i>	0	2
1	197391061	<i>CRB1</i>	3	2
9	126129566	<i>CRB2</i>	0	0
19	6467009	<i>CRB3</i>	0	0
3	3215901	<i>CRBN</i>	0	0
7	65592732	<i>CRCP</i>	0	1
2	208432210	<i>CREB1</i>	0	0
9	35732769	<i>CREB3</i>	0	0
11	46342283	<i>CREB3L1</i>	0	0
7	137586102	<i>CREB3L2</i>	0	0
19	4154892	<i>CREB3L3</i>	3	9
1	153946450	<i>CREB3L4</i>	0	0

7	28858863	<i>CREB5</i>	1	0
16	3779594	<i>CREBBP</i>	0	0
5	172518112	<i>CREBRF</i>	0	0
11	85375717	<i>CREBZF</i>	0	0
2	101971810	<i>CREG2</i>	0	2
3	9982673	<i>CRELD1</i>	0	5
22	50316984	<i>CRELD2</i>	0	1
10	35484112	<i>CREM</i>	0	2
5	76249942	<i>CRHBP</i>	0	0
7	30702347	<i>CRHR2</i>	0	1
2	36744540	<i>CRIM1</i>	0	0
14	105954705	<i>CRIP1</i>	1	1
6	49819762	<i>CRISP1</i>	1	0
6	49676895	<i>CRISP2</i>	0	0
6	49698886	<i>CRISP3</i>	0	0
8	75944493	<i>CRISPLD1</i>	0	1
16	84902445	<i>CRISPLD2</i>	0	0
19	18709261	<i>CRLF1</i>	0	2
17	29119559	<i>CRLF3</i>	0	0
20	6017765	<i>CRLS1</i>	0	0
4	5843123	<i>CRMP1</i>	0	0
20	20033322	<i>CRNKL1</i>	1	27
1	152382148	<i>CRNN</i>	0	2
1	17275414	<i>CROCC</i>	0	1
7	87021023	<i>CROT</i>	1	5
1	159683861	<i>CRP</i>	0	0
10	99639449	<i>CRTAC1</i>	0	0
11	122722440	<i>CRTAM</i>	0	0
3	33166010	<i>CRTAP</i>	0	0
19	18888060	<i>CRTC1</i>	0	0
1	153924920	<i>CRTC2</i>	0	0
15	91172572	<i>CRTC3</i>	0	0
19	48337690	<i>CRX</i>	0	0
12	107398901	<i>CRY1</i>	1	0
11	45893761	<i>CRY2</i>	1	0
11	111782284	<i>CRYAB</i>	0	0
17	27581284	<i>CRYBA1</i>	0	1
2	219855672	<i>CRYBA2</i>	0	0
22	27024275	<i>CRYBA4</i>	0	2
22	27003985	<i>CRYBB1</i>	2	0
22	25598664	<i>CRYBB3</i>	1	8

3	97660106	<i>CRYBG3</i>	0	0
2	209025696	<i>CRYGA</i>	0	0
2	209007500	<i>CRYGB</i>	1	0
2	208993095	<i>CRYGC</i>	0	0
2	208986637	<i>CRYGD</i>	0	0
7	151133381	<i>CRYGN</i>	0	1
3	186262078	<i>CRYGS</i>	0	0
13	21086659	<i>CRYL1</i>	0	1
1	75175821	<i>CRYZ</i>	2	4
21	34971474	<i>CRYZL1</i>	0	0
12	53566222	<i>CSAD</i>	1	5
1	115268924	<i>CSDE1</i>	0	0
20	47695084	<i>CSE1L</i>	0	0
1	110467433	<i>CSF1</i>	0	1
5	149433735	<i>CSF1R</i>	0	1
22	37333584	<i>CSF2RB</i>	3	15
17	38173143	<i>CSF3</i>	0	0
1	36938235	<i>CSF3R</i>	1	3
8	19297373	<i>CSGALNACT1</i>	0	1
10	43655984	<i>CSGALNACT2</i>	0	0
17	61949488	<i>CSH2</i>	6	16
17	61987884	<i>CSHL1</i>	0	0
15	75093890	<i>CSK</i>	0	0
8	2887034	<i>CSMD1</i>	0	0
1	34099041	<i>CSMD2</i>	1	0
8	113348958	<i>CSMD3</i>	0	2
4	70802896	<i>CSN1S1</i>	0	1
4	70823118	<i>CSN2</i>	0	1
4	71113570	<i>CSN3</i>	0	1
13	37678872	<i>CSNK1A1L</i>	0	0
17	80210980	<i>CSNK1D</i>	0	0
22	38696910	<i>CSNK1E</i>	0	0
15	64543701	<i>CSNK1G1</i>	0	0
15	75980785	<i>CSPG4</i>	0	0
3	47619051	<i>CSPG5</i>	0	0
8	68102949	<i>CSPP1</i>	1	5
3	39184624	<i>CSRNP1</i>	0	0
12	51457916	<i>CSRNP2</i>	0	1
2	166535883	<i>CSRNP3</i>	0	0
1	201459399	<i>CSRP1</i>	0	0
20	18165274	<i>CSRP2BP</i>	0	0

11	19209736	<i>CSRP3</i>	0	0
20	23731459	<i>CST1</i>	0	0
20	23433364	<i>CST11</i>	0	1
20	23805953	<i>CST2</i>	0	0
20	23860203	<i>CST5</i>	0	0
20	24930085	<i>CST7</i>	0	2
20	23472391	<i>CST8</i>	0	0
20	23584165	<i>CST9</i>	5	0
20	23546722	<i>CST9L</i>	1	2
3	122060404	<i>CSTA</i>	0	0
21	45194065	<i>CSTB</i>	0	3
10	53457663	<i>CSTF2T</i>	0	0
20	23424638	<i>CSTL1</i>	3	3
10	126715153	<i>CTBP2</i>	4	11
1	85020769	<i>CTBS</i>	0	2
17	8131513	<i>CTC1</i>	1	4
16	67645873	<i>CTCF</i>	0	0
20	56083763	<i>CTCFL</i>	0	0
18	77473077	<i>CTDP1</i>	1	0
2	219266366	<i>CTDSP1</i>	0	0
12	58217439	<i>CTDSP2</i>	0	0
6	132271152	<i>CTGF</i>	0	0
1	70883606	<i>CTH</i>	0	1
8	104388139	<i>CTHRC1</i>	0	0
18	46190134	<i>CTIF</i>	0	0
2	204732696	<i>CTLA4</i>	0	0
5	138268311	<i>CTNNA1</i>	0	0
2	80816455	<i>CTNNA2</i>	0	0
10	68979440	<i>CTNNA3</i>	0	2
9	111712858	<i>CTNNAL1</i>	0	3
3	41277815	<i>CTNNB1</i>	0	0
1	9932090	<i>CTNNBIP1</i>	0	0
20	36375071	<i>CTNNBL1</i>	0	1
11	57563991	<i>CTNND1</i>	0	0
5	10973727	<i>CTNND2</i>	0	0
17	3563269	<i>CTNS</i>	0	1
11	10789632	<i>CTR9</i>	1	0
16	75258653	<i>CTRB1</i>	0	0
16	75240087	<i>CTRB2</i>	0	0
1	15767020	<i>CTRC</i>	0	1
16	67964361	<i>CTRL</i>	0	1

20	44520579	<i>CTSA</i>	0	1
8	11703279	<i>CTSB</i>	0	3
11	88045737	<i>CTSC</i>	0	0
11	1775385	<i>CTSD</i>	0	0
1	206319184	<i>CTSE</i>	0	1
11	66334727	<i>CTSF</i>	0	0
14	25043671	<i>CTSG</i>	1	2
15	79228015	<i>CTSH</i>	1	2
1	150778583	<i>CTSK</i>	0	0
4	156847176	<i>CTSO</i>	0	1
1	150722549	<i>CTSS</i>	0	0
9	99798927	<i>CTSV</i>	0	0
11	65650327	<i>CTSW</i>	10	31
20	57576697	<i>CTSZ</i>	0	1
11	70266537	<i>CTTN</i>	0	0
7	117431351	<i>CTTNBP2</i>	1	1
1	112991698	<i>CTTNBP2NL</i>	0	0
16	88780635	<i>CTU2</i>	2	3
15	48493620	<i>CTXN2</i>	0	0
5	126993282	<i>CTXN3</i>	0	0
10	17157533	<i>CUBN</i>	1	9
17	55944780	<i>CUEDC1</i>	0	0
10	104183225	<i>CUEDC2</i>	0	0
10	35302705	<i>CUL2</i>	0	0
2	225428008	<i>CUL3</i>	0	0
13	113909339	<i>CUL4A</i>	0	0
11	107965147	<i>CUL5</i>	0	0
6	43016201	<i>CUL7</i>	1	0
6	43182906	<i>CUL9</i>	2	0
10	101503790	<i>CUTC</i>	1	1
7	101833160	<i>CUX1</i>	0	0
12	111701606	<i>CUX2</i>	0	1
10	124594278	<i>CUZD1</i>	0	2
2	180817296	<i>CWC22</i>	0	0
17	36966822	<i>CWC25</i>	0	0
5	64100215	<i>CWC27</i>	1	1
10	102027377	<i>CWF19L1</i>	0	0
11	107299631	<i>CWF19L2</i>	0	1
4	49063893	<i>CWH43</i>	0	3
16	57416005	<i>CX3CL1</i>	0	0
3	39307162	<i>CX3CR1</i>	0	0

4	76956434	CXCL11	5	37
10	44874129	CXCL12	0	0
5	134910345	CXCL14	0	0
17	4638563	CXCL16	0	1
4	74864027	CXCL5	0	1
4	74702736	CXCL6	5	19
4	74608215	CXCL8	1	7
4	76924754	CXCL9	0	0
2	219028932	CXCR1	0	0
2	136872490	CXCR4	0	1
11	118764442	CXCR5	0	0
3	45987980	CXCR6	0	0
18	47810351	CXXC1	0	0
5	139060123	CXXC5	0	0
17	61512449	CYB561	0	0
11	61118611	CYB561A3	0	1
1	110038644	CYB561D1	0	3
3	50390771	CYB561D2	0	0
16	69493054	CYB5B	0	0
17	7761718	CYB5D1	0	2
17	4060274	CYB5D2	0	1
1	202935650	CYB5R1	0	2
11	7690873	CYB5R2	0	2
22	43019896	CYB5R3	0	0
6	84650310	CYB5R4	0	0
1	54640426	CYB5RL	2	0
2	172411273	CYBRD1	0	1
8	145150864	CYC1	0	0
15	22947008	CYFIP1	0	1
5	156753257	CYFIP2	0	0
17	74527554	CYGB	0	0
8	145689858	CYHR1	0	1
9	105767869	CYLC2	0	1
16	50820762	CYLD	0	1
15	74630415	CYP11A1	0	0
8	143957681	CYP11B1	0	0
8	143999168	CYP11B2	0	1
10	104592420	CYP17A1	0	0
15	51507874	CYP19A1	0	0
15	75014770	CYP1A1	4	7
15	75045612	CYP1A2	1	4

2	38297907	CYP1B1	2	6
2	204103776	CYP20A1	0	2
20	52790005	CYP24A1	7	2
10	94836758	CYP26A1	0	0
2	72374900	CYP26B1	0	0
10	94825736	CYP26C1	2	15
2	219677632	CYP27A1	1	1
12	58156942	CYP27B1	0	3
2	127957048	CYP27C1	0	0
19	41597786	CYP2A13	0	0
19	41383799	CYP2A7	0	1
19	41515911	CYP2B6	3	3
10	96495161	CYP2C18	0	5
10	96829133	CYP2C8	1	0
10	96707642	CYP2C9	0	0
22	42525772	CYP2D6	0	0
10	135350643	CYP2E1	0	5
19	41633977	CYP2F1	0	0
1	60370651	CYP2J2	0	1
11	14902055	CYP2R1	1	1
19	41703660	CYP2S1	0	0
4	108868573	CYP2U1	0	1
7	1024170	CYP2W1	0	2
6	46598699	CYP39A1	0	5
7	99377720	CYP3A4	0	1
7	99454482	CYP3A43	0	1
7	99262835	CYP3A5	0	0
7	99306685	CYP3A7	0	1
1	47402416	CYP4A11	0	1
1	47614434	CYP4A22	0	0
1	47280743	CYP4B1	0	3
19	16038224	CYP4F11	0	0
19	15784449	CYP4F12	1	2
19	16003327	CYP4F2	0	1
19	15662141	CYP4F22	0	2
19	15757927	CYP4F3	0	2
4	187129984	CYP4V2	0	4
1	47501822	CYP4X1	0	3
1	47581176	CYP4Z1	0	0
8	59411042	CYP7A1	0	1
8	65528576	CYP7B1	1	2

3	42916001	<i>CYP8B1</i>	0	2
1	86047936	<i>CYR61</i>	0	0
13	49281125	<i>CYSLTR2</i>	0	0
9	140119579	<i>CYSRT1</i>	0	0
17	76705795	<i>CYTH1</i>	0	0
19	48973269	<i>CYTH2</i>	0	0
7	6227274	<i>CYTH3</i>	0	1
22	37693646	<i>CYTH4</i>	0	1
2	158272507	<i>CYTIP</i>	0	0
4	5016883	<i>CYTL1</i>	0	1
21	27840793	<i>CYYR1</i>	1	8
2	242681922	<i>D2HGDH</i>	0	0
14	59798103	<i>DAAM1</i>	0	1
6	39835407	<i>DAAM2</i>	0	1
1	57537258	<i>DAB1</i>	0	0
5	39383175	<i>DAB2</i>	0	0
9	124545792	<i>DAB2IP</i>	0	0
13	72053308	<i>DACH1</i>	0	0
14	59112475	<i>DACT1</i>	0	0
6	168708763	<i>DACT2</i>	0	1
14	23044126	<i>DAD1</i>	0	0
3	49548135	<i>DAG1</i>	0	0
11	61503044	<i>DAGLA</i>	0	0
7	6449585	<i>DAGLB</i>	0	0
3	49055875	<i>DALRD3</i>	1	1
19	13084389	<i>DAND5</i>	0	2
12	109292482	<i>DAO</i>	0	0
13	106118612	<i>DAOA</i>	1	0
5	10683627	<i>DAP</i>	0	1
1	155691362	<i>DAP3</i>	0	0
9	90252939	<i>DAPK1</i>	0	1
15	64217087	<i>DAPK2</i>	0	1
19	3959186	<i>DAPK3</i>	0	0
2	159682961	<i>DAPL1</i>	6	20
2	136680363	<i>DARS</i>	0	0
1	173797461	<i>DARS2</i>	0	2
2	228750106	<i>DAW1</i>	0	0
12	51632717	<i>DAZAP2</i>	0	0
3	16633535	<i>DAZL</i>	0	0
7	87525764	<i>DBF4</i>	0	1
17	42828069	<i>DBF4B</i>	0	4

9	136505114	<i>DBH</i>	0	3
2	120125156	<i>DBI</i>	0	0
5	176894756	<i>DBN1</i>	0	0
7	44099167	<i>DBNL</i>	0	2
3	137881265	<i>DBR1</i>	0	2
1	100681564	<i>DBT</i>	0	0
11	20180746	<i>DBX1</i>	0	1
12	45410288	<i>DBX2</i>	0	2
9	37801271	<i>DCAF10</i>	0	1
14	24592196	<i>DCAF11</i>	0	1
9	34106451	<i>DCAF12</i>	0	0
8	104453784	<i>DCAF13</i>	0	3
19	14066959	<i>DCAF15</i>	0	0
2	172291616	<i>DCAF17</i>	0	2
14	73421191	<i>DCAF4</i>	1	0
4	41984592	<i>DCAF4L1</i>	0	0
8	88885117	<i>DCAF4L2</i>	2	14
14	69529191	<i>DCAF5</i>	0	0
1	167906239	<i>DCAF6</i>	0	0
1	160194293	<i>DCAF8</i>	0	0
17	43111604	<i>DCAKD</i>	3	20
5	134782358	<i>DCANP1</i>	0	0
6	117858328	<i>DCBLD1</i>	0	1
3	98530352	<i>DCBLD2</i>	0	1
18	50994271	<i>DCC</i>	0	1
12	55039035	<i>DCD</i>	1	6
11	31327881	<i>DCDC1</i>	0	1
6	24291203	<i>DCDC2</i>	0	1
1	32677773	<i>DCDC2B</i>	0	1
2	3802223	<i>DCDC2C</i>	2	4
11	30921166	<i>DCDC5</i>	0	2
11	6648332	<i>DCHS1</i>	0	1
4	155410573	<i>DCHS2</i>	10	54
4	71892394	<i>DCK</i>	0	0
13	36402441	<i>DCLK1</i>	0	0
4	151023649	<i>DCLK2</i>	0	0
3	36779464	<i>DCLK3</i>	0	0
10	115610195	<i>DCLRE1A</i>	7	15
1	114450704	<i>DCLRE1B</i>	0	0
10	14970017	<i>DCLRE1C</i>	2	2
12	91558424	<i>DCN</i>	0	0

3	53322158	DCP1A	0	0
12	2061801	DCP1B	0	0
5	112312565	DCP2	0	0
11	126215400	DCPS	0	0
1	155019789	DCST1	0	10
1	155003700	DCST2	1	4
8	105367371	DCSTAMP	0	0
13	95097933	DCT	0	0
4	183812574	DCTD	0	1
2	74595095	DCTN1	0	0
12	57927820	DCTN2	0	1
9	34613803	DCTN3	0	0
5	150110700	DCTN4	0	0
8	30032642	DCTN6	0	5
16	30435698	DCTPP1	1	0
13	114112371	DCUN1D2	0	0
11	102962566	DCUN1D5	0	0
17	79994026	DCXR	1	9
11	61097547	DDB1	0	1
11	47260319	DDB2	0	1
7	50611735	DDC	0	1
14	53619480	DDHD1	0	1
8	38092012	DDHD2	2	0
11	103908015	DDI1	0	2
1	15964850	DDI2	0	0
11	82643026	DDIAS	0	2
12	57910838	DDIT3	0	1
10	74034049	DDIT4	0	1
4	101109161	DDIT4L	0	0
12	49390697	DDN	0	0
6	110729629	DDO	0	2
1	20978911	DDOST	0	1
1	162737069	DDR2	0	0
20	3183866	DDRGK1	0	0
22	24313758	DDT	2	17
22	24313505	DDTL	2	6
2	15760466	DDX1	0	0
11	108811036	DDX10	0	0
12	31255249	DDX11	0	2
22	38882150	DDX17	0	0
2	118577374	DDX18	0	0

16	70390133	<i>DDX19A</i>	0	0
16	70351483	<i>DDX19B</i>	0	0
1	112302046	<i>DDX20</i>	1	6
10	70725160	<i>DDX21</i>	0	0
12	49230469	<i>DDX23</i>	0	2
14	94528579	<i>DDX24</i>	0	0
11	125775093	<i>DDX25</i>	0	2
20	47839568	<i>DDX27</i>	0	1
16	68056148	<i>DDX28</i>	0	1
9	135470414	<i>DDX31</i>	0	1
19	14519865	<i>DDX39A</i>	0	0
5	55088580	<i>DDX4</i>	0	0
5	176939771	<i>DDX41</i>	0	0
17	61890769	<i>DDX42</i>	0	1
6	74111721	<i>DDX43</i>	0	1
5	134116831	<i>DDX46</i>	0	0
12	12974318	<i>DDX47</i>	0	1
19	19031448	<i>DDX49</i>	1	1
17	62500215	<i>DDX5</i>	0	0
10	70700979	<i>DDX50</i>	0	0
12	132624440	<i>DDX51</i>	0	0
17	36003417	<i>DDX52</i>	0	0
12	113618758	<i>DDX54</i>	0	2
12	124086736	<i>DDX55</i>	2	4
7	44606089	<i>DDX56</i>	0	3
9	32457316	<i>DDX58</i>	1	7
1	200618340	<i>DDX59</i>	0	2
4	169183160	<i>DDX60</i>	1	5
4	169393806	<i>DDX60L</i>	1	5
11	674638	<i>DEAF1</i>	1	5
8	91064126	<i>DECR1</i>	0	0
16	455646	<i>DECR2</i>	0	1
1	161092141	<i>DEDD</i>	0	0
19	42720971	<i>DEDD2</i>	0	0
6	35289188	<i>DEF6</i>	0	0
16	90015960	<i>DEF8</i>	0	1
8	6793585	<i>DEFA4</i>	0	1
8	6783459	<i>DEFA6</i>	1	9
8	6728230	<i>DEFB1</i>	0	1
6	49989585	<i>DEFB110</i>	0	0
6	50011361	<i>DEFB112</i>	0	1

6	49936567	DEFB113	0	0
20	29891201	DEFB116	0	0
20	29960892	DEFB118	0	0
20	29976949	DEFB119	0	0
20	30037932	DEFB123	0	1
20	30053352	DEFB124	0	0
20	76995	DEFB125	0	0
20	126167	DEFB126	0	1
20	168623	DEFB128	0	0
20	210059	DEFB129	0	0
20	238483	DEFB132	0	7
8	11851513	DEFB134	0	0
8	11842019	DEFB135	0	1
1	224377547	DEGS1	0	0
14	100615668	DEGS2	0	0
6	18237661	DEK	0	0
9	126220126	DENND1A	0	2
1	197480884	DENND1B	0	3
19	6477161	DENND1C	0	2
7	140259540	DENND2A	0	0
1	115168600	DENND2C	0	1
1	111738589	DENND2D	0	0
8	142148158	DENND3	0	0
15	66007794	DENND4A	0	0
1	153915039	DENND4B	0	1
9	19332100	DENND4C	0	3
11	9171699	DENND5A	0	0
12	31648826	DENND5B	0	0
3	57643362	DENND6A	0	0
22	50756376	DENND6B	0	0
5	59982848	DEPDC1B	0	0
12	100657464	DEPDC4	0	2
22	32198724	DEPDC5	0	0
11	33049259	DEPDC7	0	0
8	121019042	DEPTOR	1	0
12	16135324	DERA	0	0
8	124042891	DERL1	0	0
22	24179852	DERL3	3	11
2	220285002	DES	0	0
1	244849937	DESI2	0	1
15	89074784	DET1	0	3

1	10523223	<i>DFFA</i>	0	2
1	3786245	<i>DFFB</i>	1	0
7	24758753	<i>DFNA5</i>	6	16
9	117164997	<i>DFNB31</i>	0	2
2	179319252	<i>DFNB59</i>	0	0
8	145542194	<i>DGAT1</i>	0	0
11	75511469	<i>DGAT2</i>	1	7
22	19125807	<i>DGCR14</i>	0	1
22	19028755	<i>DGCR2</i>	0	0
22	18899091	<i>DGCR6</i>	0	0
22	20307256	<i>DGCR6L</i>	0	0
22	20073519	<i>DGCR8</i>	0	0
12	56345408	<i>DGKA</i>	1	1
7	14712560	<i>DGKB</i>	0	0
2	234363005	<i>DGKD</i>	1	2
17	54912285	<i>DGKE</i>	0	1
3	185990113	<i>DGKG</i>	0	0
13	42803263	<i>DGKH</i>	0	1
7	137284652	<i>DGKI</i>	0	1
4	961397	<i>DGKQ</i>	0	2
11	46388230	<i>DGKZ</i>	0	1
2	74185827	<i>DGUOK</i>	0	0
1	55337284	<i>DHCR24</i>	0	1
11	71146589	<i>DHCR7</i>	1	5
1	26795607	<i>DHDDS</i>	0	2
19	49439363	<i>DHDH</i>	4	2
12	49488271	<i>DHH</i>	0	1
16	72057229	<i>DHODH</i>	1	2
19	12790668	<i>DHPS</i>	1	2
14	24761465	<i>DHRS1</i>	0	1
17	34951481	<i>DHRS11</i>	0	0
13	52345486	<i>DHRS12</i>	0	0
17	27225586	<i>DHRS13</i>	0	1
14	24114095	<i>DHRS2</i>	0	0
1	12639310	<i>DHRS3</i>	0	0
14	24435117	<i>DHRS4</i>	0	2
14	24505722	<i>DHRS4L1</i>	0	0
14	24470631	<i>DHRS4L2</i>	1	0
14	60622755	<i>DHRS7</i>	1	1
17	21087767	<i>DHRS7B</i>	1	5
17	9674895	<i>DHRS7C</i>	0	1

2	169940047	<i>DHRS9</i>	2	6
10	12143105	<i>DHTKD1</i>	3	2
5	54572246	<i>DHX29</i>	0	2
3	47888819	<i>DHX30</i>	0	0
10	127529438	<i>DHX32</i>	0	1
17	5359427	<i>DHX33</i>	0	1
19	47884473	<i>DHX34</i>	0	1
20	37647484	<i>DHX35</i>	1	3
3	154013099	<i>DHX36</i>	0	0
12	125435221	<i>DHX37</i>	0	0
16	72133714	<i>DHX38</i>	0	0
17	57647913	<i>DHX40</i>	0	1
2	39053096	<i>DHX57</i>	0	6
17	40253851	<i>DHX58</i>	2	6
17	41571161	<i>DHX8</i>	0	1
1	182836091	<i>DHX9</i>	0	0
12	122710583	<i>DIABLO</i>	0	0
5	140903818	<i>DIAPH1</i>	0	1
13	60548565	<i>DIAPH3</i>	1	3
14	95597918	<i>DICER1</i>	0	0
20	61536895	<i>DIDO1</i>	5	14
1	210016856	<i>DIEXF</i>	0	2
5	61689879	<i>DIMT1</i>	0	1
1	54360171	<i>DIO1</i>	0	0
21	47916995	<i>DIP2A</i>	1	1
12	51122405	<i>DIP2B</i>	0	0
10	408566	<i>DIP2C</i>	0	0
1	68512711	<i>DIRAS3</i>	1	3
2	189599373	<i>DIRC1</i>	0	0
3	122545836	<i>DIRC2</i>	0	2
13	73346034	<i>DIS3</i>	3	13
15	66604085	<i>DIS3L</i>	1	3
2	233201131	<i>DIS3L2</i>	1	1
1	231902973	<i>DISC1</i>	0	0
1	223178571	<i>DISP1</i>	0	1
15	40661013	<i>DISP2</i>	0	0
11	111866796	<i>DIXDC1</i>	1	0
10	54076516	<i>DKK1</i>	0	0
4	107956663	<i>DKK2</i>	0	0
11	11987418	<i>DKK3</i>	1	0
8	42231893	<i>DKK4</i>	0	1

19	49867899	<i>DKKL1</i>	0	1
11	111896242	<i>DLAT</i>	0	0
8	12943918	<i>DLC1</i>	0	0
7	107559609	<i>DLD</i>	0	0
3	38163900	<i>DLEC1</i>	7	32
3	196807913	<i>DLG1</i>	0	1
11	83243757	<i>DLG2</i>	0	1
17	7097745	<i>DLG4</i>	0	1
10	79589171	<i>DLG5</i>	0	0
18	3814148	<i>DLGAP1</i>	0	0
8	1581061	<i>DLGAP2</i>	0	0
1	35369929	<i>DLGAP3</i>	0	0
20	35060149	<i>DLGAP4</i>	0	0
14	55629686	<i>DLGAP5</i>	1	2
14	101198518	<i>DLK1</i>	0	0
6	43418691	<i>DLK2</i>	0	0
6	170592660	<i>DLL1</i>	0	0
19	39991236	<i>DLL3</i>	1	1
15	41222879	<i>DLL4</i>	0	0
14	75349339	<i>DLST</i>	0	0
2	172951482	<i>DLX1</i>	3	0
2	172966193	<i>DLX2</i>	0	0
17	48072111	<i>DLX3</i>	0	0
17	48046952	<i>DLX4</i>	0	0
7	96650297	<i>DLX5</i>	0	0
7	96635562	<i>DLX6</i>	0	0
1	44684084	<i>DMAP1</i>	0	0
10	124384833	<i>DMBT1</i>	1	0
1	46976227	<i>DMBX1</i>	0	1
22	38963621	<i>DMC1</i>	0	0
5	78322358	<i>DMGDH</i>	2	5
19	36002495	<i>DMKN</i>	1	0
4	88584037	<i>DMP1</i>	0	3
19	46275088	<i>DMPK</i>	0	1
9	847073	<i>DMRT1</i>	0	0
9	1057195	<i>DMRT2</i>	0	1
9	990973	<i>DMRT3</i>	0	3
9	22447060	<i>DMRTA1</i>	0	0
1	53925237	<i>DMRTB1</i>	0	0
19	42355761	<i>DMRTC2</i>	2	21
7	86823280	<i>DMTF1</i>	0	0

8	21938092	<i>DMTN</i>	0	0
5	118556172	<i>DMXL1</i>	0	28
15	51829812	<i>DMXL2</i>	1	1
10	70182292	<i>DNA2</i>	0	1
16	84203607	<i>DNAAF1</i>	0	6
14	50101370	<i>DNAAF2</i>	0	2
19	55671337	<i>DNAAF3</i>	1	0
7	803535	<i>DNAAF5</i>	0	0
3	52410009	<i>DNAH1</i>	1	1
12	124371782	<i>DNAH10</i>	1	9
7	21940816	<i>DNAH11</i>	2	6
3	57457175	<i>DNAH12</i>	1	3
1	225565015	<i>DNAH14</i>	18	105
17	76521169	<i>DNAH17</i>	3	7
17	7684434	<i>DNAH2</i>	6	21
16	20999096	<i>DNAH3</i>	1	10
5	13727715	<i>DNAH5</i>	3	3
2	84897501	<i>DNAH6</i>	3	7
2	196825598	<i>DNAH7</i>	7	40
6	38816505	<i>DNAH8</i>	2	16
17	11778343	<i>DNAH9</i>	0	1
9	34489306	<i>DNAI1</i>	0	4
17	72297269	<i>DNAI2</i>	0	5
9	33026572	<i>DNAJA1</i>	0	0
16	4505539	<i>DNAJA3</i>	1	0
15	78557092	<i>DNAJA4</i>	0	0
19	14626929	<i>DNAJB1</i>	0	0
3	186288680	<i>DNAJB11</i>	0	0
10	74100864	<i>DNAJB12</i>	0	0
11	73679425	<i>DNAJB13</i>	0	0
4	100826831	<i>DNAJB14</i>	0	0
2	220145339	<i>DNAJB2</i>	0	0
2	234652257	<i>DNAJB3</i>	2	3
9	34997132	<i>DNAJB5</i>	0	1
7	157151348	<i>DNAJB6</i>	0	0
22	41257834	<i>DNAJB7</i>	1	0
3	128181684	<i>DNAJB8</i>	1	1
7	108213532	<i>DNAJB9</i>	0	0
10	22048189	<i>DNAJC1</i>	0	0
2	183582896	<i>DNAJC10</i>	0	3
1	6711160	<i>DNAJC11</i>	0	0

10	69571336	<i>DNAJC12</i>	0	0
3	132172153	<i>DNAJC13</i>	0	0
12	56221483	<i>DNAJC14</i>	0	0
13	43643126	<i>DNAJC15</i>	0	2
1	15888676	<i>DNAJC16</i>	1	1
15	41067253	<i>DNAJC17</i>	0	0
5	138761889	<i>DNAJC18</i>	0	1
7	102982386	<i>DNAJC2</i>	0	0
5	34936260	<i>DNAJC21</i>	0	1
12	49745085	<i>DNAJC22</i>	0	0
11	31392304	<i>DNAJC24</i>	0	0
9	114412066	<i>DNAJC25</i>	0	1
2	25179912	<i>DNAJC27</i>	0	1
21	34860678	<i>DNAJC28</i>	1	6
13	96375600	<i>DNAJC3</i>	0	1
7	73097244	<i>DNAJC30</i>	1	0
11	64001470	<i>DNAJC4</i>	0	0
8	66988970	<i>DNAJC5B</i>	1	2
2	27501085	<i>DNAJC5G</i>	1	0
1	65860702	<i>DNAJC6</i>	0	0
10	75012274	<i>DNAJC9</i>	0	0
14	74111783	<i>DNAL1</i>	0	0
1	38023323	<i>DNALI1</i>	1	4
16	3706110	<i>DNASE1</i>	0	3
16	2286876	<i>DNASE1L2</i>	0	3
3	58191233	<i>DNASE1L3</i>	0	0
19	12991772	<i>DNASE2</i>	0	0
1	84878213	<i>DNASE2B</i>	1	3
2	230312216	<i>DNER</i>	0	0
11	6524126	<i>DNHD1</i>	3	34
9	139256577	<i>DNLZ</i>	0	0
12	32854503	<i>DNM1L</i>	0	1
19	10922960	<i>DNM2</i>	0	0
1	172017878	<i>DNM3</i>	0	2
10	101715350	<i>DNMBP</i>	0	0
19	10246899	<i>DNMT1</i>	0	0
2	25467088	<i>DNMT3A</i>	1	33
20	31388592	<i>DNMT3B</i>	0	0
21	45670965	<i>DNMT3L</i>	0	2
2	220250769	<i>DNPEP</i>	1	0
10	98088539	<i>DNTT</i>	1	3

20	44425137	<i>DNTTIP1</i>	0	0
1	94344716	<i>DNTTIP2</i>	0	1
16	30017956	<i>DOC2A</i>	0	0
17	6188	<i>DOC2B</i>	0	0
10	129202600	<i>DOCK1</i>	0	0
2	225739464	<i>DOCK10</i>	0	1
5	169472888	<i>DOCK2</i>	0	0
3	51387805	<i>DOCK3</i>	0	0
7	111375171	<i>DOCK4</i>	0	0
8	25198481	<i>DOCK5</i>	1	0
19	11346323	<i>DOCK6</i>	1	0
1	62940966	<i>DOCK7</i>	0	0
9	271638	<i>DOCK8</i>	0	2
13	99519728	<i>DOCK9</i>	0	0
19	3496732	<i>DOHH</i>	0	0
2	74781955	<i>DOK1</i>	0	0
8	21766987	<i>DOK2</i>	0	1
5	176930135	<i>DOK3</i>	0	1
16	57509470	<i>DOK4</i>	0	1
18	67266682	<i>DOK6</i>	0	0
4	3494840	<i>DOK7</i>	2	5
9	131708812	<i>DOLK</i>	3	30
9	131846957	<i>DOLPP1</i>	0	0
21	34956929	<i>DONSON</i>	0	0
6	83851785	<i>DOPEY1</i>	0	1
21	37602822	<i>DOPEY2</i>	1	5
19	2216354	<i>DOT1L</i>	0	0
11	118971042	<i>DPAGT1</i>	0	2
10	103360589	<i>DPCD</i>	0	0
16	89702728	<i>DPEP1</i>	0	2
16	68021468	<i>DPEP2</i>	0	10
16	68013593	<i>DPEP3</i>	0	1
19	38713034	<i>DPF1</i>	0	0
14	73190434	<i>DPF3</i>	0	0
17	1933435	<i>DPH1</i>	0	2
1	44435904	<i>DPH2</i>	0	2
1	101487202	<i>DPH5</i>	0	1
15	35665785	<i>DPH6</i>	0	0
9	140458965	<i>DPH7</i>	0	1
20	49575052	<i>DPM1</i>	0	0
2	116572494	<i>DPP10</i>	0	0

11	66272128	<i>DPP3</i>	0	0
2	162904013	<i>DPP4</i>	0	3
7	154264019	<i>DPP6</i>	0	1
9	140007277	<i>DPP7</i>	0	1
15	65808046	<i>DPP8</i>	1	0
19	4697610	<i>DPP9</i>	0	0
3	109027096	<i>DPPA2</i>	0	0
3	109056314	<i>DPPA4</i>	0	1
19	54140152	<i>DPRX</i>	0	3
1	168698176	<i>DPT</i>	0	0
7	35013185	<i>DPY19L1</i>	0	0
19	32973077	<i>DPY19L3</i>	2	1
8	95746907	<i>DPY19L4</i>	0	13
1	98206008	<i>DPYD</i>	4	17
8	105405105	<i>DPYS</i>	1	1
5	146788333	<i>DPYSL3</i>	0	0
10	134017415	<i>DPYSL4</i>	0	1
2	27150168	<i>DPYSL5</i>	0	0
2	74746239	<i>DQX1</i>	1	5
1	93826178	<i>DR1</i>	0	0
12	102307968	<i>DRAM1</i>	0	0
1	111674167	<i>DRAM2</i>	0	0
1	11772000	<i>DRAXIN</i>	1	2
2	26676223	<i>DRC1</i>	1	7
17	17880995	<i>DRC3</i>	0	0
16	57735868	<i>DRC7</i>	1	0
5	174868846	<i>DRD1</i>	0	0
11	113287601	<i>DRD2</i>	0	0
3	113850050	<i>DRD3</i>	0	1
4	9784673	<i>DRD5</i>	6	7
17	17997146	<i>DRG2</i>	0	1
10	50574311	<i>DRGX</i>	0	0
22	23961585	<i>DRICH1</i>	0	0
5	31529184	<i>DROSHA</i>	0	0
18	28722103	<i>DSC1</i>	1	2
18	28651728	<i>DSC2</i>	0	1
18	28605818	<i>DSC3</i>	0	1
21	41559083	<i>DSCAM</i>	0	1
11	117395638	<i>DSCAML1</i>	0	0
8	120847123	<i>DSCC1</i>	0	0
21	38639523	<i>DSCR3</i>	0	1

21	39493329	<i>DSCR4</i>	0	1
6	116757965	<i>DSE</i>	0	0
18	65179199	<i>DSEL</i>	0	0
18	28913557	<i>DSG1</i>	0	1
18	29104714	<i>DSG2</i>	0	1
18	29052296	<i>DSG3</i>	0	1
18	28992909	<i>DSG4</i>	0	4
20	35399871	<i>DSN1</i>	0	4
6	7581739	<i>DSP</i>	0	3
4	88534235	<i>DSPP</i>	0	0
6	56469616	<i>DST</i>	1	4
1	205133016	<i>DSTYK</i>	0	0
20	18576738	<i>DTD1</i>	0	1
4	36309896	<i>DTHD1</i>	0	2
1	212273797	<i>DTL</i>	1	1
18	32374062	<i>DTNA</i>	1	0
2	25678314	<i>DTNB</i>	0	0
6	15627564	<i>DTNBP1</i>	2	2
15	49917629	<i>DTWD1</i>	3	2
5	118274902	<i>DTWD2</i>	0	0
12	113531036	<i>DTX1</i>	0	0
7	76109937	<i>DTX2</i>	0	0
3	122288223	<i>DTX3L</i>	0	1
11	58956282	<i>DTX4</i>	0	0
2	242618050	<i>DTYMK</i>	0	0
15	45446191	<i>DUOX1</i>	3	8
15	45402124	<i>DUOX2</i>	5	11
15	45412946	<i>DUOXA1</i>	0	1
15	45408056	<i>DUOXA2</i>	1	8
10	76803688	<i>DUPD1</i>	2	0
17	80021335	<i>DUS1L</i>	0	0
16	68112423	<i>DUS2</i>	0	3
19	5791126	<i>DUS3L</i>	0	0
7	107215658	<i>DUS4L</i>	0	2
5	172197326	<i>DUSP1</i>	0	0
1	221913048	<i>DUSP10</i>	0	0
2	74005403	<i>DUSP11</i>	0	1
1	161722189	<i>DUSP12</i>	0	0
10	76865517	<i>DUSP13</i>	0	1
17	35872965	<i>DUSP14</i>	0	0
20	30452782	<i>DUSP15</i>	1	1

12	12630661	<i>DUSP16</i>	0	1
22	31061521	<i>DUSP18</i>	2	13
2	183948285	<i>DUSP19</i>	0	2
2	96810527	<i>DUSP2</i>	0	0
6	348858	<i>DUSP22</i>	0	3
1	159750914	<i>DUSP23</i>	0	0
1	167097452	<i>DUSP27</i>	0	8
2	241500813	<i>DUSP28</i>	1	1
8	29197672	<i>DUSP4</i>	0	0
10	112269908	<i>DUSP5</i>	1	0
12	89745742	<i>DUSP6</i>	0	0
15	48626647	<i>DUT</i>	0	0
19	57665822	<i>DUXA</i>	7	27
1	1274972	<i>DVL1</i>	1	2
17	7132758	<i>DVL2</i>	0	0
3	183885732	<i>DVL3</i>	0	0
10	82126455	<i>DYDC2</i>	0	2
18	46570585	<i>DYM</i>	0	2
18	52265110	<i>DYNAP</i>	0	0
14	102466655	<i>DYNC1H1</i>	0	1
7	95439735	<i>DYNC1I1</i>	0	0
2	172584925	<i>DYNC1I2</i>	0	1
3	32582625	<i>DYNC1LI1</i>	0	0
16	66785255	<i>DYNC1LI2</i>	0	0
11	103080631	<i>DYNC2H1</i>	1	8
2	44036913	<i>DYNC2LI1</i>	0	7
21	38877762	<i>DYRK1A</i>	0	1
19	40316807	<i>DYRK1B</i>	1	0
12	68051002	<i>DYRK2</i>	0	0
1	206821569	<i>DYRK3</i>	0	0
12	4702173	<i>DYRK4</i>	1	1
2	71838657	<i>DYSF</i>	4	10
2	207564949	<i>DYTN</i>	6	13
15	55727220	<i>DYX1C1</i>	0	1
20	18414269	<i>DZANK1</i>	1	3
13	96285507	<i>DZIP1</i>	0	0
3	137787192	<i>DZIP1L</i>	1	0
3	108406811	<i>DZIP3</i>	0	1
20	32264607	<i>E2F1</i>	0	0
1	23842948	<i>E2F2</i>	0	0
6	20481600	<i>E2F3</i>	0	0

16	67228816	<i>E2F4</i>	0	0
8	86115473	<i>E2F5</i>	0	0
12	77424061	<i>E2F7</i>	0	0
11	19256605	<i>E2F8</i>	0	1
16	2285405	<i>E4F1</i>	1	0
3	15477949	<i>EAF1</i>	0	0
3	121563355	<i>EAF2</i>	0	4
14	34993982	<i>EAPP</i>	0	1
16	23555918	<i>EARS2</i>	0	0
8	25718722	<i>EBF2</i>	1	1
20	2736418	<i>EBF4</i>	0	0
19	4237007	<i>EBI3</i>	0	0
3	73111724	<i>EBLN2</i>	0	1
1	43630156	<i>EBNA1BP2</i>	0	0
13	50243935	<i>EBPL</i>	0	0
10	74894385	<i>ECD</i>	1	4
1	21585285	<i>ECE1</i>	0	0
3	183975365	<i>ECE2</i>	0	1
2	233346571	<i>ECEL1</i>	0	0
19	39322093	<i>ECH1</i>	1	2
6	127647722	<i>ECHDC1</i>	1	0
1	53370728	<i>ECHDC2</i>	1	19
10	11789382	<i>ECHDC3</i>	0	0
10	135184226	<i>ECHS1</i>	0	0
16	2293296	<i>ECI1</i>	1	0
6	4131022	<i>ECI2</i>	0	2
1	150484887	<i>ECM1</i>	0	1
9	95274341	<i>ECM2</i>	4	17
19	11618474	<i>ECSIT</i>	0	0
3	172500038	<i>ECT2</i>	0	1
6	139206931	<i>ECT2L</i>	4	20
2	109546715	<i>EDAR</i>	0	0
1	236590727	<i>EDARADD</i>	0	1
15	74925091	<i>EDC3</i>	1	0
16	67915984	<i>EDC4</i>	0	0
14	21215833	<i>EDDM3A</i>	1	0
14	21238578	<i>EDDM3B</i>	0	0
3	5229887	<i>EDEM1</i>	0	3
20	33732808	<i>EDEM2</i>	0	1
1	184663537	<i>EDEM3</i>	0	1
5	83239233	<i>EDIL3</i>	0	0

6	12294603	<i>EDN1</i>	0	0
1	41950275	<i>EDN2</i>	1	1
20	57897439	<i>EDN3</i>	0	11
13	78477674	<i>EDNRB</i>	0	0
10	127429004	<i>EDRF1</i>	0	0
12	93205100	<i>EEA1</i>	2	1
11	85956325	<i>EED</i>	0	0
8	144672047	<i>EEF1D</i>	0	0
19	3981442	<i>EEF2</i>	5	0
16	22262550	<i>EEF2K</i>	1	7
3	128127053	<i>EEFSEC</i>	0	0
7	36194296	<i>EEPD1</i>	0	0
8	49644028	<i>EFCAB1</i>	0	1
14	90420961	<i>EFCAB11</i>	0	0
3	129137188	<i>EFCAB12</i>	0	2
17	45482003	<i>EFCAB13</i>	3	3
1	47150173	<i>EFCAB14</i>	0	2
1	245165471	<i>EFCAB2</i>	0	0
17	60472551	<i>EFCAB3</i>	8	36
17	28380413	<i>EFCAB5</i>	11	32
22	44031042	<i>EFCAB6</i>	2	5
1	64034010	<i>EFCAB7</i>	2	1
3	128720873	<i>EFCC1</i>	1	3
2	56104885	<i>EFEMP1</i>	0	0
11	65636018	<i>EFEMP2</i>	0	0
3	19961330	<i>EFHB</i>	2	4
6	52357071	<i>EFHC1</i>	1	0
2	233503094	<i>EFHD1</i>	0	0
1	155103851	<i>EFNA1</i>	0	0
19	1295769	<i>EFNA2</i>	0	0
1	155057843	<i>EFNA3</i>	0	0
1	155041649	<i>EFNA4</i>	0	3
13	107145610	<i>EFNB2</i>	0	1
8	132971911	<i>EFR3A</i>	0	2
2	25376586	<i>EFR3B</i>	0	3
14	23829369	<i>EFS</i>	0	1
15	82443973	<i>EFTUD1</i>	0	0
17	42959099	<i>EFTUD2</i>	0	0
4	110920919	<i>EGF</i>	0	1
9	139564041	<i>EGFL7</i>	0	2
5	38412616	<i>EGFLAM</i>	0	0

7	55273162	<i>EGFR</i>	0	0
1	231506478	<i>EGLN1</i>	0	0
19	41312498	<i>EGLN2</i>	0	0
5	137802651	<i>EGR1</i>	0	0
10	64573837	<i>EGR2</i>	0	0
2	73518735	<i>EGR4</i>	0	1
2	63182738	<i>EHBP1</i>	0	0
11	65357486	<i>EHBP1L1</i>	3	2
11	64621928	<i>EHD1</i>	0	0
19	48239679	<i>EHD2</i>	0	0
2	31489097	<i>EHD3</i>	0	0
15	42193146	<i>EHD4</i>	0	0
3	184910136	<i>EHHADH</i>	1	2
9	140707551	<i>EHMT1</i>	0	0
19	40023224	<i>EID2B</i>	0	0
12	104698534	<i>EID3</i>	0	0
11	65767852	<i>EIF1AD</i>	0	0
3	150280445	<i>EIF2A</i>	1	0
7	6068676	<i>EIF2AK1</i>	0	1
2	37353564	<i>EIF2AK2</i>	0	0
2	88876094	<i>EIF2AK3</i>	0	0
15	40303484	<i>EIF2AK4</i>	1	4
12	124111617	<i>EIF2B1</i>	0	2
14	75469757	<i>EIF2B2</i>	1	0
1	45316619	<i>EIF2B3</i>	0	0
2	27587785	<i>EIF2B4</i>	0	0
3	183857924	<i>EIF2B5</i>	0	0
1	206776480	<i>EIF2D</i>	0	1
14	67850158	<i>EIF2S1</i>	0	0
10	120810798	<i>EIF3A</i>	0	0
7	2406051	<i>EIF3B</i>	0	0
22	36921659	<i>EIF3D</i>	0	0
11	8016045	<i>EIF3F</i>	0	0
19	10226256	<i>EIF3G</i>	0	0
8	117767968	<i>EIF3H</i>	1	0
15	44829401	<i>EIF3J</i>	0	0
19	39109975	<i>EIF3K</i>	0	0
11	32623298	<i>EIF3M</i>	0	0
5	176070216	<i>EIF4E1B</i>	0	0
5	139928630	<i>EIF4EBP3</i>	0	4
22	31845437	<i>EIF4ENIF1</i>	1	0

3	184037533	<i>EIF4G1</i>	0	0
11	10825766	<i>EIF4G2</i>	0	0
1	21494545	<i>EIF4G3</i>	0	0
14	103806869	<i>EIF5</i>	0	0
2	99995804	<i>EIF5B</i>	9	42
20	33872215	<i>EIF6</i>	0	0
18	48510725	<i>ELAC1</i>	0	1
17	12898323	<i>ELAC2</i>	1	0
19	855999	<i>ELANE</i>	0	0
9	23692675	<i>ELAVL2</i>	0	0
1	50661426	<i>ELAVL4</i>	0	0
13	41556191	<i>ELF1</i>	0	0
4	140058849	<i>ELF2</i>	0	0
1	201983075	<i>ELF3</i>	0	0
11	34511618	<i>ELF5</i>	0	1
7	1786620	<i>ELFN1</i>	0	0
22	37770666	<i>ELFN2</i>	0	0
12	96641016	<i>ELK3</i>	0	0
1	205588070	<i>ELK4</i>	0	0
19	18555664	<i>ELL</i>	0	0
5	95278771	<i>ELL2</i>	0	0
15	44069069	<i>ELL3</i>	0	0
7	37272763	<i>ELMO1</i>	0	1
20	45017847	<i>ELMO2</i>	0	0
16	67233620	<i>ELMO3</i>	6	18
11	107521575	<i>ELMOD1</i>	0	0
4	141464580	<i>ELMOD2</i>	0	0
2	85618070	<i>ELMOD3</i>	0	0
14	74196792	<i>ELMSAN1</i>	0	0
7	73471024	<i>ELN</i>	1	3
6	11005734	<i>ELOVL2</i>	0	2
10	103987425	<i>ELOVL3</i>	0	0
6	80626571	<i>ELOVL4</i>	0	0
6	53139985	<i>ELOVL5</i>	0	0
5	60053449	<i>ELOVL7</i>	0	1
18	33713207	<i>ELP2</i>	0	3
8	27995319	<i>ELP3</i>	0	1
11	31531394	<i>ELP4</i>	0	1
17	7162056	<i>ELP5</i>	0	5
3	47552647	<i>ELP6</i>	0	1
19	48519244	<i>ELSPBP1</i>	0	0

5	49699157	<i>EMB</i>	0	0
1	19545812	<i>EMC1</i>	1	2
19	50985141	<i>EMC10</i>	0	2
8	109498829	<i>EMC2</i>	0	0
15	34517326	<i>EMC4</i>	0	2
15	34393879	<i>EMC7</i>	0	0
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4	101401103	<i>EMCN</i>	0	1
17	48458184	<i>EME1</i>	0	0
16	1825265	<i>EME2</i>	2	10
22	29621173	<i>EMID1</i>	0	2
2	27305027	<i>EMILIN1</i>	0	1
18	2909676	<i>EMILIN2</i>	1	2
20	39993791	<i>EMILIN3</i>	0	1
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2	42557176	<i>EML4</i>	0	2
14	89153531	<i>EML5</i>	1	3
2	55122081	<i>EML6</i>	1	1
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16	10637445	<i>EMP2</i>	0	0
19	48830822	<i>EMP3</i>	0	4
11	76207425	<i>EMSY</i>	0	0
10	119303126	<i>EMX2</i>	0	0
1	225707034	<i>ENAH</i>	0	0
4	71508013	<i>ENAM</i>	1	5
5	73930886	<i>ENC1</i>	0	0
11	94862494	<i>ENDOD1</i>	0	0
9	131584748	<i>ENDOG</i>	4	8
12	48106320	<i>ENDOU</i>	9	11
17	78389478	<i>ENDOV</i>	0	4
9	130592035	<i>ENG</i>	0	0
17	77076338	<i>ENGASE</i>	1	3
16	67697633	<i>ENKD1</i>	3	2
10	25304821	<i>ENKUR</i>	0	0
1	8921419	<i>ENO1</i>	0	1
12	7027259	<i>ENO2</i>	0	0
17	4859365	<i>ENO3</i>	4	1
10	118620599	<i>ENO4</i>	0	6
4	83375989	<i>ENOPH1</i>	0	0

18	671469	<i>ENOSF1</i>	1	0
13	43788158	<i>ENOX1</i>	0	2
4	111470770	<i>ENPEP</i>	9	39
6	132211636	<i>ENPP1</i>	1	1
8	120606014	<i>ENPP2</i>	1	0
6	131996327	<i>ENPP3</i>	4	7
6	46107864	<i>ENPP4</i>	0	0
6	46135529	<i>ENPP5</i>	0	4
4	185033867	<i>ENPP6</i>	0	0
17	77709282	<i>ENPP7</i>	0	0
1	150598965	<i>ENSA</i>	0	0
22	40283561	<i>ENTHD1</i>	5	24
17	79207455	<i>ENTHD2</i>	0	1
10	97792545	<i>ENTPD1</i>	0	0
9	139945631	<i>ENTPD2</i>	1	0
3	40433615	<i>ENTPD3</i>	0	4
8	23299118	<i>ENTPD4</i>	2	4
14	74441643	<i>ENTPD5</i>	0	0
20	25196300	<i>ENTPD6</i>	0	0
10	101445602	<i>ENTPD7</i>	1	1
9	140330558	<i>ENTPD8</i>	1	9
3	69047186	<i>EOGT</i>	0	3
3	27758695	<i>EOMES</i>	0	1
22	41574816	<i>EP300</i>	4	6
12	132549368	<i>EP400</i>	0	0
2	46603640	<i>EPAS1</i>	0	0
1	29379779	<i>EPB41</i>	0	0
20	34761669	<i>EPB41L1</i>	0	0
6	131179287	<i>EPB41L2</i>	0	1
18	5416318	<i>EPB41L3</i>	2	0
5	111506680	<i>EPB41L4A</i>	0	4
9	111966002	<i>EPB41L4B</i>	0	0
2	120844750	<i>EPB41L5</i>	0	0
15	43502526	<i>EPB42</i>	0	0
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2	149539325	<i>EPC2</i>	0	0
2	47613681	<i>EPCAM</i>	0	1
7	37960238	<i>EPDR1</i>	0	1
18	43462429	<i>EPG5</i>	1	2
4	75177951	<i>EPGN</i>	0	0
7	143094737	<i>EPHA1</i>	3	5

1	38188701	EPHA10	1	4
1	16475048	EPHA2	0	2
3	89176334	EPHA3	0	0
2	222308214	EPHA4	0	0
4	66467489	EPHA5	0	1
3	97194230	EPHA6	0	0
6	94120219	EPHA7	0	0
1	22895820	EPHA8	0	0
3	134670275	EPHB1	0	0
1	23240276	EPHB2	3	19
3	184289093	EPHB3	0	0
7	100417333	EPHB4	0	1
7	142562227	EPHB6	0	0
1	226032979	EPHX1	0	1
8	27364442	EPHX2	3	6
19	15342066	EPHX3	0	1
1	92528735	EPHX4	0	0
6	146007332	EPM2A	0	0
19	56204330	EPN1	6	5
17	19216513	EPN2	0	1
17	48614278	EPN3	0	2
7	100319275	EPO	0	0
19	11492577	EPOR	1	1
20	44171415	EPPIN	0	0
8	144941181	EPPK1	5	3
1	220145425	EPRS	0	0
1	51912694	EPS15	0	0
19	16513192	EPS15L1	0	0
12	15834203	EPS8	0	0
19	55593228	EPS8L1	1	1
11	726449	EPS8L2	0	0
1	110295805	EPS8L3	0	2
13	43566257	EPSTI1	1	3
17	56277106	EPX	1	8
12	91363899	EPYC	0	1
9	27289729	EQTN	1	2
17	27186219	ERAL1	0	2
5	96139250	ERAP1	0	14
5	96237212	ERAP2	2	11
17	37884037	ERBB2	0	1
5	65322153	ERBB2IP	0	1

12	56486622	ERBB3	1	0
2	212566741	ERBB4	0	0
12	1289777	ERC1	0	1
3	56330290	ERC2	0	0
19	45856038	ERCC2	2	5
2	128038065	ERCC3	0	3
16	14042070	ERCC4	0	2
13	103506112	ERCC5	0	0
10	50724316	ERCC6	0	3
9	98678491	ERCC6L2	1	0
5	60200647	ERCC8	0	3
4	75248505	EREG	0	0
19	42753283	ERF	0	0
21	39870310	ERG	0	0
5	172336688	ERGIC1	0	0
12	29503011	ERGIC2	0	0
20	34144821	ERGIC3	0	1
8	8887451	ERI1	0	0
16	20809128	ERI2	1	7
8	623455	ERICH1	0	1
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8	99101507	ERICH5	0	0
3	150421605	ERICH6	2	3
13	46115707	ERICH6B	2	0
2	54041983	ERLEC1	0	0
1	43308310	ERMAP	0	0
6	170176060	ERMARD	0	8
2	158182140	ERMN	0	0
9	5830779	ERMP1	1	4
17	62126458	ERN1	0	0
16	23718190	ERN2	1	9
14	53119014	ERO1A	0	0
1	236399647	ERO1B	0	3
12	15073968	ERP27	0	0
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9	102784401	ERP44	1	0
1	8074173	ERRF1	0	1
6	11105361	ERVFRD	0	0
11	124623589	ESAM	0	0
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13	47356927	<i>ESD</i>	1	2
20	13755830	<i>ESF1</i>	1	3
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2	239040217	<i>ESPNL</i>	0	3
6	152419975	<i>ESR1</i>	0	0
14	64716382	<i>ESR2</i>	0	1
8	95680229	<i>ESRP1</i>	0	0
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14	76948945	<i>ESRRB</i>	0	0
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7	158545482	<i>ESYT2</i>	0	1
3	138191448	<i>ESYT3</i>	1	5
2	67630476	<i>ETAA1</i>	0	0
15	76603760	<i>ETFA</i>	1	1
19	51850290	<i>ETFB</i>	0	0
4	159620246	<i>ETFDH</i>	1	3
19	44030362	<i>ETHE1</i>	0	1
12	22814036	<i>ETNK1</i>	0	0
1	204103751	<i>ETNK2</i>	0	2
4	109663673	<i>ETNPPL</i>	0	1
11	128442976	<i>ETS1</i>	0	0
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17	41606013	<i>ETV4</i>	0	0
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6	36334732	<i>ETV7</i>	0	3
2	75720664	<i>EVA1A</i>	0	0
21	33829976	<i>EVA1C</i>	0	0
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4	5567083	<i>EVC2</i>	1	1
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2	176948334	<i>EVX2</i>	0	0
22	29695761	<i>EWSR1</i>	0	0
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14	69697222	<i>EXD2</i>	0	0
9	140262426	<i>EXD3</i>	1	4
1	242030206	<i>EXO1</i>	0	10
1	40980708	<i>EXO5</i>	0	1
4	56758857	<i>EXOC1</i>	0	0
6	598888	<i>EXOC2</i>	3	0
5	442933	<i>EXOC3</i>	0	0
16	67223003	<i>EXOC3L1</i>	3	3
19	45716543	<i>EXOC3L2</i>	0	0
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1	231472916	<i>EXOC8</i>	0	0
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1	11137601	<i>EXOSC10</i>	0	0
9	133579133	<i>EXOSC2</i>	0	1
9	37782111	<i>EXOSC3</i>	0	1
8	145133745	<i>EXOSC4</i>	0	0
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13	37580090	<i>EXOSC8</i>	0	1
4	122722660	<i>EXOSC9</i>	1	1
11	108409870	<i>EXPH5</i>	0	4
8	119122926	<i>EXT1</i>	0	0
11	44265780	<i>EXT2</i>	0	0
1	26360283	<i>EXTL1</i>	0	11
1	101339777	<i>EXTL2</i>	0	0
8	28575535	<i>EXTL3</i>	0	0
8	72211967	<i>EYA1</i>	0	0
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1	28339779	<i>EYA3</i>	0	0
6	133804199	<i>EYA4</i>	0	2

6	65531577	<i>EYS</i>	3	17
17	40865203	<i>EZH1</i>	0	0
7	148526893	<i>EZH2</i>	0	0
6	159188409	<i>EZR</i>	1	0
13	113783856	<i>F10</i>	1	0
4	187209769	<i>F11</i>	0	10
1	160969974	<i>F11R</i>	0	0
5	176831589	<i>F12</i>	0	2
6	6145882	<i>F13A1</i>	0	5
1	197026265	<i>F13B</i>	0	0
11	46742047	<i>F2</i>	0	0
5	76028266	<i>F2R</i>	0	0
5	76129286	<i>F2RL1</i>	3	1
5	75913542	<i>F2RL2</i>	0	1
19	17000105	<i>F2RL3</i>	1	1
1	94996062	<i>F3</i>	0	0
1	169494059	<i>F5</i>	0	1
13	113773055	<i>F7</i>	0	0
16	74748094	<i>FA2H</i>	0	0
1	46871374	<i>FAAH</i>	0	2
17	79517848	<i>FAAP100</i>	2	1
1	2121228	<i>FAAP20</i>	0	0
19	33467465	<i>FAAP24</i>	0	0
2	88427463	<i>FABP1</i>	0	0
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1	31842320	<i>FABP3</i>	0	0
8	82391647	<i>FABP4</i>	2	2
5	159656618	<i>FABP6</i>	0	1
6	123101473	<i>FABP7</i>	1	0
8	82370676	<i>FABP9</i>	1	0
11	61646221	<i>FADS3</i>	0	0
17	72875606	<i>FADS6</i>	0	0
1	50907108	<i>FAF1</i>	1	1
15	80450459	<i>FAH</i>	1	0
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3	138348015	<i>FAIM</i>	0	1
12	50291269	<i>FAIM2</i>	0	0
12	124796393	<i>FAM101A</i>	0	0
9	130707081	<i>FAM102A</i>	0	0
1	109167265	<i>FAM102B</i>	1	2
17	71223364	<i>FAM104A</i>	0	0

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22	42473426	FAM109B	1	2
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1	26488019	FAM110D	0	0
11	58919420	FAM111A	7	36
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9	71395608	FAM122A	0	0
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2	201846062	FAM126B	0	0
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9	130270399	FAM129B	1	1
19	17634234	FAM129C	0	2
3	184062536	FAM131A	0	0
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3	122103141	FAM162A	3	4
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1	150970666	FAM63A	1	0
15	59113966	FAM63B	0	0
17	6351046	FAM64A	0	0
16	67576545	FAM65A	1	0
6	24871055	FAM65B	0	0
20	49218771	FAM65C	0	3
1	93309665	FAM69A	0	0
9	139617591	FAM69B	1	1
18	72109211	FAM69C	0	1
1	212799239	FAM71A	8	39
5	156590085	FAM71B	1	1
12	100042182	FAM71C	2	4

14	67671597	FAM71D	0	1
19	50979092	FAM71E1	1	8
19	55870260	FAM71E2	0	3
7	128370026	FAM71F1	0	0
7	128312542	FAM71F2	1	0
1	78245291	FAM73A	0	0
9	131830366	FAM73B	0	1
11	95522539	FAM76B	0	0
9	134151507	FAM78A	0	0
1	166039568	FAM78B	0	0
15	59784493	FAM81A	0	0
5	94756023	FAM81B	9	26
8	124195360	FAM83A	5	33
6	54805296	FAM83B	1	3
20	33879866	FAM83C	0	3
20	37570725	FAM83D	1	0
19	49113188	FAM83E	0	1
22	40391427	FAM83F	2	1
17	18891695	FAM83G	0	0
8	144812408	FAM83H	1	10
8	127569424	FAM84B	0	0
1	231155759	FAM89A	0	0
6	17601213	FAM8A1	0	0
8	124796717	FAM91A1	0	0
16	85141467	FAM92B	0	0
2	33809852	FAM98A	0	2
15	38746444	FAM98B	0	0
19	38896216	FAM98C	0	2
15	31197570	FAN1	2	3
16	89815049	FANCA	0	5
9	97934359	FANCC	2	2
3	10135043	FANCD2	0	1
3	10146268	FANCD2OS	0	0
6	35428278	FANCE	0	0
11	22646658	FANCF	0	3
9	35078249	FANCG	0	0
15	89834892	FANCI	0	1
2	58388696	FANCL	8	26
14	45645715	FANCM	4	10
10	127677979	FANK1	0	8
2	163055280	FAP	0	0

11	13750294	<i>FAR1</i>	0	0
12	29474809	<i>FAR2</i>	0	0
13	99020363	<i>FARP1</i>	0	2
2	242402024	<i>FARP2</i>	1	4
6	5369265	<i>FARS2</i>	0	0
19	13035079	<i>FARSA</i>	0	0
2	223494808	<i>FARSB</i>	0	1
10	90750600	<i>FAS</i>	0	0
1	172628482	<i>FASLG</i>	1	6
17	80051159	<i>FASN</i>	1	0
7	150774451	<i>FASTK</i>	0	0
2	170387816	<i>FASTKD1</i>	8	39
2	207631727	<i>FASTKD2</i>	0	4
5	7867327	<i>FASTKD3</i>	0	2
20	3128607	<i>FASTKD5</i>	0	0
4	187540957	<i>FAT1</i>	1	1
5	150946029	<i>FAT2</i>	0	0
11	92087724	<i>FAT3</i>	0	0
4	126240662	<i>FAT4</i>	0	2
11	64888456	<i>FAU</i>	0	0
6	99797204	<i>FAXC</i>	0	0
5	154203121	<i>FAXDC2</i>	0	0
17	73915891	<i>FBF1</i>	2	1
19	40325406	<i>FBL</i>	0	0
1	16091634	<i>FBLIM1</i>	0	0
22	45913552	<i>FBLN1</i>	0	2
3	13655516	<i>FBLN2</i>	2	0
14	92349413	<i>FBLN5</i>	0	0
2	112922638	<i>FBLN7</i>	1	0
15	48777608	<i>FBN1</i>	0	0
5	127640783	<i>FBN2</i>	0	0
19	8201038	<i>FBN3</i>	1	6
9	97382707	<i>FBP1</i>	0	0
9	97329582	<i>FBP2</i>	0	0
16	30680834	<i>FBRS</i>	3	0
12	133149168	<i>FBRS1</i>	0	0
19	9921845	<i>FBXL12</i>	0	0
7	102462636	<i>FBXL13</i>	1	3
12	1702912	<i>FBXL14</i>	0	0
7	5530912	<i>FBXL18</i>	1	2
17	37439012	<i>FBXL20</i>	0	0

15	63893837	FBXL22	0	0
13	77581471	FBXL3	0	0
6	99323254	FBXL4	4	3
4	15656899	FBXL5	0	1
8	145580375	FBXL6	0	3
5	15936893	FBXL7	0	0
16	67196874	FBXL8	0	1
9	37515947	FBXO10	0	2
2	48040380	FBXO11	0	0
18	71797752	FBXO15	0	0
8	28286174	FBXO16	0	0
19	39440666	FBXO17	0	1
10	5963514	FBXO18	0	2
1	11709937	FBXO2	0	1
12	117627155	FBXO21	0	0
15	76225437	FBXO22	0	1
7	100184343	FBXO24	0	0
8	408476	FBXO25	0	0
19	39516139	FBXO27	0	0
1	224321908	FBXO28	0	0
11	33776049	FBXO3	0	0
6	146126419	FBXO30	0	1
16	87380786	FBXO31	3	0
8	124547004	FBXO32	0	0
14	39870597	FBXO33	0	0
14	55818317	FBXO34	0	1
2	230841075	FBXO36	0	1
5	147807059	FBXO38	0	0
17	6683965	FBXO39	0	1
5	41939607	FBXO4	0	0
3	121340480	FBXO40	0	2
2	73486182	FBXO41	0	0
1	16577336	FBXO42	0	1
8	101154313	FBXO43	0	3
1	11718671	FBXO44	0	1
19	46216568	FBXO46	0	0
17	37093452	FBXO47	0	0
6	153296472	FBXO5	0	0
1	11728894	FBXO6	0	1
22	32889068	FBXO7	0	2
4	175160161	FBXO8	0	0

6	52941295	<i>FBXO9</i>	0	1
17	18673345	<i>FBXW10</i>	0	2
3	48415161	<i>FBXW12</i>	0	0
9	123550141	<i>FBXW2</i>	0	0
10	103432720	<i>FBXW4</i>	1	0
9	139837125	<i>FBXW5</i>	0	4
4	153244137	<i>FBXW7</i>	0	0
12	117462048	<i>FBXW8</i>	6	42
19	12807342	<i>FBXW9</i>	2	6
1	207134036	<i>FCAMR</i>	0	1
19	55396913	<i>FCAR</i>	0	1
1	159272687	<i>FCER1A</i>	0	0
1	161188468	<i>FCER1G</i>	0	0
19	7762440	<i>FCER2</i>	1	2
19	40440482	<i>FCGBP</i>	0	0
1	161647251	<i>FCGR2B</i>	0	0
19	50028775	<i>FCGRT</i>	0	0
19	17887100	<i>FCHO1</i>	0	1
5	72311428	<i>FCHO2</i>	0	0
5	141028738	<i>FCHSD1</i>	1	2
11	72579066	<i>FCHSD2</i>	0	0
1	207087159	<i>FCMR</i>	0	0
9	137804954	<i>FCN1</i>	1	6
9	137772678	<i>FCN2</i>	1	2
1	27700011	<i>FCN3</i>	3	14
1	157772348	<i>FCRL1</i>	0	1
1	157738250	<i>FCRL2</i>	0	0
1	157648602	<i>FCRL3</i>	1	14
1	157559211	<i>FCRL4</i>	0	2
1	157508997	<i>FCRL5</i>	0	2
1	159785413	<i>FCRL6</i>	3	13
1	161676991	<i>FCRLA</i>	0	1
1	161695703	<i>FCRLB</i>	0	1
8	11696013	<i>FDFT1</i>	0	3
1	155289487	<i>FDPS</i>	0	0
19	10426512	<i>FDX1L</i>	0	0
11	111749349	<i>FDXACB1</i>	1	2
17	72860042	<i>FDXR</i>	0	1
18	55247336	<i>FECH</i>	0	0
15	68582413	<i>FEM1B</i>	0	0
5	108203464	<i>FER</i>	0	1

2	97356955	<i>FER1L5</i>	0	1
8	125061904	<i>FER1L6</i>	0	12
7	19184635	<i>FERD3L</i>	0	0
20	6096609	<i>FERMT1</i>	0	0
14	53345378	<i>FERMT2</i>	1	0
11	63987144	<i>FERMT3</i>	0	1
15	91432810	<i>FES</i>	0	1
3	186370315	<i>FETUB</i>	0	5
11	125322254	<i>FEZ1</i>	0	0
2	36779312	<i>FEZ2</i>	1	0
7	121944240	<i>FEZF1</i>	0	0
3	62357869	<i>FEZF2</i>	0	0
19	35842526	<i>FFAR1</i>	0	0
19	35941486	<i>FFAR2</i>	0	0
10	95338900	<i>FFAR4</i>	1	1
4	155505897	<i>FGA</i>	0	1
4	155488788	<i>FGB</i>	0	1
6	36982459	<i>FGD2</i>	0	0
9	95768448	<i>FGD3</i>	0	0
12	32761037	<i>FGD4</i>	0	0
3	14861028	<i>FGD5</i>	0	0
12	95604928	<i>FGD6</i>	2	0
5	141993631	<i>FGF1</i>	0	0
5	44388445	<i>FGF10</i>	0	0
13	102375232	<i>FGF14</i>	0	0
5	170876161	<i>FGF18</i>	0	0
19	49261372	<i>FGF21</i>	0	0
19	643338	<i>FGF22</i>	0	0
12	4479710	<i>FGF23</i>	0	1
11	69588849	<i>FGF4</i>	0	0
4	81188203	<i>FGF5</i>	1	1
12	4554581	<i>FGF6</i>	0	0
4	15937962	<i>FGFBP1</i>	5	9
4	15964312	<i>FGFBP2</i>	0	0
10	93668051	<i>FGFBP3</i>	0	0
8	38285511	<i>FGFR1</i>	0	0
6	167417763	<i>FGFR1OP</i>	0	1
12	27113499	<i>FGFR1OP2</i>	0	1
10	123274751	<i>FGFR2</i>	0	0
4	1806655	<i>FGFR3</i>	0	1
5	176520170	<i>FGFR4</i>	0	2

4	1018835	<i>FGFRL1</i>	1	0
4	155533777	<i>FGG</i>	0	0
1	60019853	<i>FGGY</i>	0	2
8	17731990	<i>FGL1</i>	0	1
7	76828994	<i>FGL2</i>	0	1
1	27941047	<i>FGR</i>	0	0
1	15644382	<i>FHAD1</i>	4	19
4	153874666	<i>FHDC1</i>	0	0
3	60522633	<i>FHIT</i>	0	0
2	105994580	<i>FHL2</i>	0	0
1	38464670	<i>FHL3</i>	0	0
6	97052754	<i>FHL5</i>	0	0
16	67264546	<i>FHOD1</i>	0	4
18	34340651	<i>FHOD3</i>	0	0
9	133779557	<i>FIBCD1</i>	1	3
11	27016265	<i>FIBIN</i>	0	0
11	65652050	<i>FIBP</i>	0	0
12	108912721	<i>FICD</i>	0	0
6	110064928	<i>FIG4</i>	3	4
2	71004457	<i>FIGLA</i>	0	0
2	164467673	<i>FIGN</i>	0	0
7	50513306	<i>FIGNL1</i>	0	1
6	76023650	<i>FILIP1</i>	0	3
3	99569320	<i>FILIP1L</i>	0	0
4	54248472	<i>FIP1L1</i>	0	0
7	100883111	<i>FIS1</i>	0	0
14	24600892	<i>FITM1</i>	0	0
20	42939693	<i>FITM2</i>	0	0
19	56103978	<i>FIZ1</i>	0	0
11	35641312	<i>FJX1</i>	0	0
17	39969460	<i>FKBP10</i>	1	2
7	30054462	<i>FKBP14</i>	1	0
9	115983549	<i>FKBP15</i>	0	2
11	64011441	<i>FKBP2</i>	0	1
6	35544942	<i>FKBP5</i>	0	1
7	72756803	<i>FKBP6</i>	0	0
2	179334493	<i>FKBP7</i>	3	8
19	18652619	<i>FKBP8</i>	0	0
9	108370245	<i>FKTN</i>	0	0
1	154965200	<i>FLAD1</i>	0	0
17	17125806	<i>FLCN</i>	0	2

1	152286126	<i>FLG</i>	1	8
1	152324524	<i>FLG2</i>	0	7
11	128677100	<i>FLI1</i>	0	0
17	18148584	<i>FLII</i>	0	2
3	58120535	<i>FLNB</i>	0	3
7	128478103	<i>FLNC</i>	1	1
17	27224606	<i>FLOT2</i>	0	1
11	63885287	<i>FLRT1</i>	0	0
14	86089315	<i>FLRT2</i>	0	0
20	14308042	<i>FLRT3</i>	0	0
13	28913411	<i>FLT1</i>	0	3
13	28631542	<i>FLT3</i>	0	0
19	49983814	<i>FLT3LG</i>	0	0
5	180045860	<i>FLT4</i>	0	0
1	213061362	<i>FLVCR1</i>	0	0
14	76045388	<i>FLVCR2</i>	0	1
16	2983402	<i>FLYWCH1</i>	0	5
16	2949135	<i>FLYWCH2</i>	0	0
15	33260953	<i>FMN1</i>	0	1
1	240341334	<i>FMN2</i>	0	8
17	43323663	<i>FMNL1</i>	0	0
2	153484903	<i>FMNL2</i>	0	0
12	50100886	<i>FMNL3</i>	0	0
1	171251197	<i>FMO1</i>	0	0
1	171085314	<i>FMO3</i>	3	1
1	171306551	<i>FMO4</i>	0	1
1	146656179	<i>FMO5</i>	2	6
1	203317282	<i>FMOD</i>	0	0
2	216253039	<i>FN1</i>	0	0
17	80699230	<i>FN3K</i>	0	0
17	80684910	<i>FN3KRP</i>	0	0
9	132662311	<i>FNBP1</i>	0	0
1	93965129	<i>FNBP1L</i>	0	1
11	47776161	<i>FNBP4</i>	0	0
6	159670183	<i>FNDC1</i>	5	38
13	49705339	<i>FNDC3A</i>	0	0
3	172052790	<i>FNDC3B</i>	0	0
1	33330302	<i>FNDC5</i>	0	1
1	109270645	<i>FNDC7</i>	1	8
17	33454253	<i>FNDC8</i>	0	0
5	156770375	<i>FNDC9</i>	0	1

5	131013409	<i>FNIP1</i>	0	0
4	159825682	<i>FNIP2</i>	0	1
8	42927417	<i>FNTA</i>	0	0
9	20993249	<i>FOCAD</i>	0	1
11	49229946	<i>FOLH1</i>	0	0
11	89403596	<i>FOLH1B</i>	0	0
11	71906803	<i>FOLR1</i>	2	8
11	71932746	<i>FOLR2</i>	0	1
16	15973687	<i>FOPNL</i>	0	1
14	75747701	<i>FOS</i>	0	0
2	28634790	<i>FOSL2</i>	0	0
14	38061742	<i>FOXA1</i>	0	0
20	22562607	<i>FOXA2</i>	0	0
19	46375620	<i>FOXA3</i>	0	0
15	60297990	<i>FOXB1</i>	0	0
9	79635473	<i>FOXB2</i>	0	0
16	86602485	<i>FOXC2</i>	0	0
1	47904524	<i>FOXD2</i>	0	0
8	145700239	<i>FOXH1</i>	0	1
5	169532970	<i>FOXI1</i>	0	0
10	129536860	<i>FOXI2</i>	0	0
17	74135988	<i>FOXJ1</i>	2	0
12	8197475	<i>FOXJ2</i>	0	0
1	42730720	<i>FOXJ3</i>	0	0
7	4794204	<i>FOXK1</i>	0	0
17	80541964	<i>FOXK2</i>	0	0
16	86613310	<i>FOXL1</i>	2	18
3	138669195	<i>FOXL2NB</i>	0	1
12	2968748	<i>FOXMI</i>	0	0
17	26864302	<i>FOXN1</i>	0	1
2	48602252	<i>FOXN2</i>	0	0
14	89628878	<i>FOXN3</i>	2	7
12	109719222	<i>FOXN4</i>	0	0
13	41133978	<i>FOXO1</i>	0	0
1	41847332	<i>FOXO6</i>	1	2
3	71015145	<i>FOXP1</i>	0	0
7	114329951	<i>FOXP2</i>	0	0
6	41565581	<i>FOXP4</i>	0	0
11	118851224	<i>FOXR1</i>	0	0
11	126145232	<i>FOXRED1</i>	0	2
22	36902259	<i>FOXRED2</i>	1	0

20	30438469	FOXS1	0	0
9	130566960	FPGS	0	0
1	75009675	FPGT	1	4
19	52250059	FPR1	0	0
19	52272274	FPR2	0	0
19	52327730	FPR3	0	0
10	95454617	FRA10AC1	0	0
4	79295332	FRAS1	0	5
9	14784566	FREM1	1	3
13	39425172	FREM2	1	3
6	116289835	FRK	0	0
6	168467429	FRMD1	0	2
9	85863091	FRMD3	0	0
10	13735876	FRMD4A	0	0
3	69299233	FRMD4B	0	0
15	44198049	FRMD5	0	0
14	52186972	FRMD6	0	0
11	65172449	FRMD8	0	0
9	37692654	FRMPD1	0	3
10	49440248	FRMPD2	0	4
1	100203693	FRRS1	0	0
9	111911927	FRRS1L	0	0
12	69967914	FRS2	0	0
6	41738447	FRS3	0	0
13	32783141	FRY	0	0
4	48559610	FRYL	0	2
2	183699609	FRZB	0	1
8	95444527	FSBP	0	0
14	44974745	FSCB	2	10
7	5632744	FSCN1	0	0
17	79496095	FSCN2	0	2
7	127239434	FSCN3	0	7
19	4323050	FSD1	0	0
9	108234242	FSD1L	0	0
15	83428193	FSD2	1	2
11	30255218	FSHB	0	1
2	49210074	FSHR	0	1
15	39910003	FSIP1	2	8
2	186671208	FSIP2	3	2
5	52781029	FST	0	0
19	677922	FSTL3	0	0

5	132652281	<i>FSTL4</i>	0	1
4	162577597	<i>FSTL5</i>	0	2
21	47565358	<i>FTCD</i>	0	0
5	121188306	<i>FTMT</i>	0	0
16	53878060	<i>FTO</i>	0	0
7	2279319	<i>FTSJ2</i>	0	1
17	61902441	<i>FTSJ3</i>	0	0
1	78430421	<i>FUBP1</i>	0	0
9	133487910	<i>FUBP3</i>	0	1
1	24180898	<i>FUCA1</i>	0	0
6	143825112	<i>FUCA2</i>	0	1
16	70509389	<i>FUK</i>	2	1
10	135170532	<i>FUOM</i>	0	1
15	91420802	<i>FURIN</i>	0	0
16	31202030	<i>FUS</i>	0	0
19	49253669	<i>FUT1</i>	0	0
8	33310718	<i>FUT10</i>	0	0
10	75533410	<i>FUT11</i>	1	1
19	49207095	<i>FUT2</i>	0	0
19	5844537	<i>FUT3</i>	0	1
11	94278025	<i>FUT4</i>	0	0
19	5867459	<i>FUT5</i>	0	0
19	5831493	<i>FUT6</i>	0	0
9	139925378	<i>FUT7</i>	0	0
14	66096261	<i>FUT8</i>	0	0
6	96651793	<i>FUT9</i>	0	0
19	50310466	<i>FUZ</i>	1	1
9	71661361	<i>FXN</i>	0	0
3	180669160	<i>FXR1</i>	0	0
17	7509481	<i>FXR2</i>	0	0
19	35630973	<i>FXYD1</i>	0	0
19	35613727	<i>FXYD3</i>	0	2
10	43871565	<i>FXYD4</i>	0	0
19	35660450	<i>FXYD5</i>	0	0
11	117712762	<i>FXYD6</i>	0	0
5	39138746	<i>FYB</i>	0	0
3	45972728	<i>FYCO1</i>	0	3
6	112015708	<i>FYN</i>	0	0
3	197482736	<i>FYTTD1</i>	0	1
7	90895068	<i>FZD1</i>	0	0
12	130648519	<i>FZD10</i>	0	0

8	28385207	<i>FZD3</i>	0	0
11	86662628	<i>FZD4</i>	0	0
2	208632789	<i>FZD5</i>	0	0
8	104343607	<i>FZD6</i>	0	0
7	72849221	<i>FZD9</i>	0	0
19	3531810	<i>FZR1</i>	0	0
14	31081457	<i>G2E3</i>	0	0
5	151176899	<i>G3BP1</i>	0	0
4	76580286	<i>G3BP2</i>	0	0
17	41062984	<i>G6PC</i>	0	0
2	169757829	<i>G6PC2</i>	1	0
17	42151573	<i>G6PC3</i>	0	0
17	78087041	<i>GAA</i>	0	0
4	144380548	<i>GAB1</i>	0	0
11	77930447	<i>GAB2</i>	3	1
22	17449266	<i>GAB4</i>	1	0
9	101056108	<i>GABBR2</i>	0	0
21	27136615	<i>GABPA</i>	0	0
15	50593527	<i>GABPB1</i>	2	17
1	151090552	<i>GABPB2</i>	0	0
4	46388061	<i>GABRA2</i>	0	0
4	46930491	<i>GABRA4</i>	0	0
15	27188459	<i>GABRA5</i>	0	0
5	161118929	<i>GABRA6</i>	1	2
4	47427909	<i>GABRB1</i>	0	0
5	160761802	<i>GABRB2</i>	0	0
15	27018841	<i>GABRB3</i>	0	0
1	1961469	<i>GABRD</i>	0	1
4	46066437	<i>GABRG1</i>	0	0
5	161580302	<i>GABRG2</i>	0	0
15	27216746	<i>GABRG3</i>	0	0
5	170216243	<i>GABRP</i>	0	0
6	89926966	<i>GABRR1</i>	0	1
6	90009512	<i>GABRR2</i>	0	1
2	171710554	<i>GAD1</i>	0	0
10	26518697	<i>GAD2</i>	0	0
19	2477090	<i>GADD45B</i>	0	0
19	13065096	<i>GADD45GIP1</i>	1	0
3	30827916	<i>GADL1</i>	0	0
4	843749	<i>GAK</i>	0	0
11	68452438	<i>GAL</i>	0	1

22	30953295	<i>GAL3ST1</i>	0	0
2	242743119	<i>GAL3ST2</i>	5	32
11	65810977	<i>GAL3ST3</i>	1	1
7	99757968	<i>GAL3ST4</i>	0	0
14	88416192	<i>GALC</i>	0	1
1	24123442	<i>GALE</i>	0	0
17	73761047	<i>GALK1</i>	0	1
15	49493449	<i>GALK2</i>	0	2
2	38903140	<i>GALM</i>	0	1
16	88909118	<i>GALNS</i>	0	1
18	33269115	<i>GALNT1</i>	0	1
5	153755841	<i>GALNT10</i>	0	1
7	151805328	<i>GALNT11</i>	0	0
9	101611305	<i>GALNT12</i>	0	1
2	155303175	<i>GALNT13</i>	0	0
2	31135146	<i>GALNT14</i>	1	3
3	16252715	<i>GALNT15</i>	0	1
14	69814677	<i>GALNT16</i>	0	0
11	11362384	<i>GALNT18</i>	0	0
1	230372117	<i>GALNT2</i>	0	0
2	166626914	<i>GALNT3</i>	1	0
2	158115335	<i>GALNT5</i>	1	3
12	51771100	<i>GALNT6</i>	0	3
4	174239704	<i>GALNT7</i>	0	0
12	4881680	<i>GALNT8</i>	1	0
12	132824565	<i>GALNT9</i>	0	0
7	151684256	<i>GALNTL5</i>	0	1
4	173961101	<i>GALNTL6</i>	0	0
19	56692018	<i>GALP</i>	0	1
18	74980684	<i>GALR1</i>	0	1
17	74073224	<i>GALR2</i>	0	4
22	38219533	<i>GALR3</i>	0	0
9	34647865	<i>GALT</i>	0	0
19	1399099	<i>GAMT</i>	1	1
16	81397494	<i>GAN</i>	0	0
11	62393359	<i>GANAB</i>	0	0
15	42579912	<i>GANC</i>	0	8
3	115395282	<i>GAP43</i>	2	2
19	36033452	<i>GAPDHS</i>	5	16
5	57790642	<i>GAPT</i>	0	0
9	128064955	<i>GAPVD1</i>	0	0

4	110737389	<i>GAR1</i>	0	0
18	29867558	<i>GAREM1</i>	0	0
2	26407218	<i>GAREM2</i>	1	0
9	130101954	<i>GARNL3</i>	0	1
7	30638407	<i>GARS</i>	0	0
21	34901150	<i>GART</i>	0	0
11	22696451	<i>GAS2</i>	0	0
22	29706885	<i>GAS2L1</i>	0	0
17	34077232	<i>GAS2L2</i>	3	2
12	101017768	<i>GAS2L3</i>	0	0
13	114526405	<i>GAS6</i>	0	0
17	9923188	<i>GAS7</i>	0	0
16	90102113	<i>GAS8</i>	0	1
17	39872045	<i>GAST</i>	1	0
3	128204688	<i>GATA2</i>	0	0
10	8100397	<i>GATA3</i>	0	1
8	11614469	<i>GATA4</i>	0	0
20	61048588	<i>GATA5</i>	0	0
18	19761485	<i>GATA6</i>	0	0
7	92085763	<i>GATAD1</i>	0	0
19	19606634	<i>GATAD2A</i>	0	0
1	153800584	<i>GATAD2B</i>	0	0
4	152680002	<i>GATB</i>	0	0
12	120884291	<i>GATC</i>	0	1
15	45661600	<i>GATM</i>	0	0
22	30685364	<i>GATSL3</i>	0	0
1	155209584	<i>GBA</i>	0	0
9	35740250	<i>GBA2</i>	0	1
7	56051480	<i>GBAS</i>	0	0
3	81627226	<i>GBE1</i>	0	1
10	104126844	<i>GBF1</i>	0	1
9	136029336	<i>GBGT1</i>	1	12
1	89523911	<i>GBP1</i>	1	1
1	89587626	<i>GBP2</i>	0	1
1	89473467	<i>GBP3</i>	0	1
1	89655850	<i>GBP4</i>	0	0
1	89732237	<i>GBP5</i>	9	20
1	89850819	<i>GBP6</i>	0	0
1	89597922	<i>GBP7</i>	1	1
7	150864219	<i>GBX1</i>	0	1
2	237074986	<i>GBX2</i>	0	0

4	72649734	<i>GC</i>	0	1
2	163208893	<i>GCA</i>	1	8
22	38212624	<i>GCA</i>	0	0
7	127222269	<i>GCC1</i>	0	0
2	109068934	<i>GCC2</i>	3	8
19	13008622	<i>GCDH</i>	0	0
2	75917757	<i>GCFC2</i>	1	4
2	163000665	<i>GCG</i>	0	0
14	55326401	<i>GCH1</i>	0	0
7	44184774	<i>GCK</i>	0	0
2	27724663	<i>GCKR</i>	4	9
6	53365063	<i>GCLC</i>	0	0
1	94354639	<i>GCLM</i>	0	0
6	52993520	<i>GCM1</i>	0	0
6	10876244	<i>GCM2</i>	0	0
12	120595824	<i>GCN1</i>	0	0
9	79117512	<i>GCNT1</i>	0	1
6	10586603	<i>GCNT2</i>	0	2
15	59910764	<i>GCNT3</i>	2	14
5	74325290	<i>GCNT4</i>	0	0
15	57896559	<i>GCOM1</i>	0	1
3	111842431	<i>GCSAM</i>	0	0
1	247712473	<i>GCSAML</i>	0	0
9	74840668	<i>GDA</i>	0	0
8	75262825	<i>GDAP1</i>	0	1
20	42887117	<i>GDAP1L1</i>	1	0
1	118420591	<i>GDAP2</i>	2	3
16	19533131	<i>GDE1</i>	0	3
19	18980820	<i>GDF1</i>	0	0
10	48428974	<i>GDF10</i>	0	0
12	56143453	<i>GDF11</i>	0	0
19	18499394	<i>GDF15</i>	0	0
10	48413998	<i>GDF2</i>	0	0
12	7842990	<i>GDF3</i>	0	2
20	34022250	<i>GDF5</i>	1	0
2	20870342	<i>GDF7</i>	0	0
5	132197395	<i>GDF9</i>	1	1
5	37816241	<i>GDNF</i>	0	0
16	30123489	<i>GDPD3</i>	2	1
11	76938983	<i>GDPD4</i>	1	3
11	75150901	<i>GDPD5</i>	0	0

15	90784250	<i>GDPGP1</i>	0	0
8	95272549	<i>GEM</i>	0	3
14	39591722	<i>GEMIN2</i>	3	0
17	650428	<i>GEMIN4</i>	0	0
5	154278753	<i>GEMIN5</i>	1	1
2	39006222	<i>GEMIN6</i>	0	0
2	17955667	<i>GEN1</i>	2	4
7	926827	<i>GET4</i>	0	3
17	42990697	<i>GFAP</i>	0	0
16	2035999	<i>GFER</i>	0	1
9	135865230	<i>GFI1B</i>	0	0
3	158409114	<i>GFM1</i>	0	1
5	74021798	<i>GFM2</i>	0	1
6	13470339	<i>GFOD1</i>	0	1
16	67709472	<i>GFOD2</i>	0	0
5	179728547	<i>GFPT2</i>	0	3
10	117825057	<i>GFRA1</i>	0	0
8	21608333	<i>GFRA2</i>	0	0
5	137593549	<i>GFRA3</i>	0	0
6	55214895	<i>GFRAL</i>	1	12
22	38016825	<i>GGA1</i>	0	0
16	23507104	<i>GGA2</i>	0	2
17	73236419	<i>GGA3</i>	0	2
13	101184651	<i>GGACT</i>	0	0
7	30536816	<i>GGCT</i>	0	0
2	85780154	<i>GGCX</i>	0	2
8	63938764	<i>GGH</i>	0	0
19	38877101	<i>GGN</i>	0	1
17	34913156	<i>GGNBP2</i>	0	0
22	24621558	<i>GGT5</i>	4	0
17	4463713	<i>GGT6</i>	0	1
20	33433182	<i>GGT7</i>	0	0
17	61995170	<i>GH1</i>	0	0
17	40344570	<i>GHDC</i>	0	1
10	85912075	<i>GHITM</i>	1	1
5	42713522	<i>GHR</i>	0	0
20	35884838	<i>GHRH</i>	0	3
7	31011602	<i>GHRHR</i>	0	0
3	10331548	<i>GHRL</i>	0	1
3	172165973	<i>GHSR</i>	0	1
11	59596926	<i>GIF</i>	0	2

7	100280885	<i>GIGYF1</i>	0	0
2	233625313	<i>GIGYF2</i>	1	0
7	150439317	<i>GIMAP1</i>	1	0
7	150389610	<i>GIMAP2</i>	1	2
7	150269903	<i>GIMAP4</i>	0	0
7	150325493	<i>GIMAP6</i>	0	0
7	150217248	<i>GIMAP7</i>	0	8
7	150174325	<i>GIMAP8</i>	0	1
5	102423628	<i>GIN1</i>	2	1
6	149911890	<i>GINM1</i>	0	0
20	25394454	<i>GINs1</i>	0	0
16	85712257	<i>GINs2</i>	0	0
16	58426565	<i>GINs3</i>	0	1
8	41393967	<i>GINs4</i>	0	1
1	78511960	<i>GIPC2</i>	0	0
19	3589435	<i>GIPC3</i>	0	2
19	46184932	<i>GIPR</i>	0	3
17	27909993	<i>GIT1</i>	0	0
12	110388967	<i>GIT2</i>	0	0
6	121768008	<i>GJA1</i>	0	0
6	90605513	<i>GJA10</i>	10	22
13	20717209	<i>GJA3</i>	0	0
1	35260618	<i>GJA4</i>	0	0
1	147230978	<i>GJA5</i>	0	0
1	147380886	<i>GJA8</i>	0	0
1	39340664	<i>GJA9</i>	0	4
13	20763039	<i>GJB2</i>	5	10
1	35250942	<i>GJB3</i>	0	2
1	35227362	<i>GJB4</i>	6	14
1	35223354	<i>GJB5</i>	0	1
13	20796930	<i>GJB6</i>	3	6
6	87994593	<i>GJB7</i>	1	2
7	99526497	<i>GJC3</i>	0	0
10	35896571	<i>GJD4</i>	1	0
4	80328584	<i>GK2</i>	1	0
9	86395334	<i>GKAP1</i>	0	0
2	69207931	<i>GKN1</i>	0	0
2	69177269	<i>GKN2</i>	0	0
3	33055635	<i>GLB1</i>	1	0
2	220103426	<i>GLB1L</i>	1	1
11	134226291	<i>GLB1L2</i>	0	6

11	134182754	<i>GLB1L3</i>	0	4
7	8062133	<i>GLCCI1</i>	0	0
15	69560923	<i>GLCE</i>	0	0
9	6604710	<i>GLDC</i>	0	1
15	51669640	<i>GLDN</i>	0	1
9	131277918	<i>GLE1</i>	0	1
16	74517013	<i>GLG1</i>	2	0
12	57864512	<i>GLI1</i>	0	1
2	121747030	<i>GLI2</i>	0	0
7	42079620	<i>GLI3</i>	0	1
8	144351632	<i>GLI4</i>	0	0
12	75889352	<i>GLIPR1</i>	0	2
12	75741503	<i>GLIPR1L1</i>	1	1
12	75804345	<i>GLIPR1L2</i>	0	3
9	36162369	<i>GLIPR2</i>	1	0
1	53974854	<i>GLIS1</i>	0	0
16	4385221	<i>GLIS2</i>	0	0
9	4117954	<i>GLIS3</i>	1	4
1	92732022	<i>GLMN</i>	0	2
1	156263940	<i>GLMP</i>	0	1
6	38670851	<i>GLO1</i>	0	1
17	663492	<i>GLOD4</i>	0	0
6	39033602	<i>GLP1R</i>	0	0
17	9792759	<i>GLP2R</i>	0	1
5	151304117	<i>GLRA1</i>	0	1
4	175565051	<i>GLRA3</i>	0	2
4	158065029	<i>GLRB</i>	0	0
1	193070257	<i>GLRX2</i>	0	2
2	191759906	<i>GLS</i>	0	1
12	56872851	<i>GLS2</i>	0	0
12	129429927	<i>GLT1D1</i>	0	1
9	138518004	<i>GLT6D1</i>	1	5
3	52731827	<i>GLT8D1</i>	1	1
12	104408832	<i>GLT8D2</i>	0	0
19	48199692	<i>GLTSCR1</i>	0	0
6	42796866	<i>GLTSCR1L</i>	0	0
19	48248924	<i>GLTSCR2</i>	0	0
11	58478164	<i>GLYAT</i>	0	0
11	58722296	<i>GLYATL1</i>	0	1
11	58604551	<i>GLYATL2</i>	0	1
3	52325857	<i>GLYCTK</i>	1	2

16	4896228	<i>GLYR1</i>	0	0
5	150646342	<i>GM2A</i>	0	0
2	70071305	<i>GMCL1</i>	0	0
6	1742794	<i>GMDS</i>	0	0
1	29040679	<i>GMEB1</i>	0	0
20	62221613	<i>GMEB2</i>	0	0
19	39819592	<i>GMFG</i>	0	0
19	19752683	<i>GMIP</i>	0	0
8	143921874	<i>GML</i>	0	0
3	190578566	<i>GMNC</i>	0	0
6	24784404	<i>GMNN</i>	0	0
2	220367130	<i>GMPPA</i>	0	1
3	49759952	<i>GMPPB</i>	0	0
6	16247105	<i>GMPR</i>	0	0
14	24705295	<i>GMPR2</i>	0	1
3	155615806	<i>GMPS</i>	0	1
7	2854009	<i>GNA12</i>	0	0
17	63049698	<i>GNA13</i>	0	0
9	80046318	<i>GNA14</i>	0	2
19	3157794	<i>GNA15</i>	0	0
7	79833026	<i>GNAI1</i>	0	0
1	110116560	<i>GNAI3</i>	0	0
18	11876613	<i>GNAL</i>	0	0
16	56368650	<i>GNAO1</i>	0	0
20	57478634	<i>GNAS</i>	0	1
3	50232274	<i>GNAT1</i>	0	0
1	110146745	<i>GNAT2</i>	0	0
7	80108304	<i>GNAT3</i>	0	0
22	23438338	<i>GNAZ</i>	0	0
22	19776406	<i>GNB1L</i>	0	1
12	6954812	<i>GNB3</i>	0	0
3	179138655	<i>GNB4</i>	0	0
15	52418218	<i>GNB5</i>	0	0
9	36249251	<i>GNE</i>	0	0
7	93536130	<i>GNGT1</i>	0	0
17	47284212	<i>GNGT2</i>	0	0
1	38034623	<i>GNL2</i>	0	0
3	52724713	<i>GNL3</i>	1	1
2	85922515	<i>GNLY</i>	2	8
1	231406765	<i>GNPAT</i>	1	1
5	141385782	<i>GNPDA1</i>	1	0

4	44709821	<i>GNPDA2</i>	0	1
12	102142869	<i>GNPTAB</i>	1	4
16	1412021	<i>GNPTG</i>	0	3
20	3025334	<i>GNRH2</i>	2	21
4	68619789	<i>GNRHR</i>	0	0
12	65133292	<i>GNS</i>	0	0
9	127662730	<i>GOLGA1</i>	0	0
9	131020445	<i>GOLGA2</i>	0	0
12	133372606	<i>GOLGA3</i>	0	3
3	37402769	<i>GOLGA4</i>	0	2
14	93290938	<i>GOLGA5</i>	0	0
3	121410774	<i>GOLGB1</i>	0	1
3	167745579	<i>GOLIM4</i>	2	0
9	88694179	<i>GOLM1</i>	1	0
5	32135736	<i>GOLPH3</i>	0	0
1	150620834	<i>GOLPH3L</i>	0	1
1	204172069	<i>GOLT1A</i>	0	0
12	21654825	<i>GOLT1B</i>	0	0
1	155785579	<i>GON4L</i>	0	1
6	117888141	<i>GOPC</i>	0	1
1	170521413	<i>GORAB</i>	0	3
3	39149375	<i>GORASP1</i>	1	0
2	171806692	<i>GORASP2</i>	0	0
17	45000543	<i>GOSR2</i>	0	2
10	101165607	<i>GOT1</i>	0	1
8	37794278	<i>GOT1L1</i>	0	2
16	58749965	<i>GOT2</i>	0	0
17	4836829	<i>GP1BA</i>	2	10
16	20331737	<i>GP2</i>	1	4
3	194117365	<i>GP5</i>	0	2
19	55543607	<i>GP6</i>	2	6
3	128780732	<i>GP9</i>	0	0
1	167032895	<i>GPA33</i>	0	0
8	145140011	<i>GPAA1</i>	1	2
13	45563804	<i>GPALPP1</i>	0	0
10	113940359	<i>GPAM</i>	0	0
2	96690272	<i>GPAT2</i>	0	0
4	84457811	<i>GPAT3</i>	0	5
19	33600896	<i>GPATCH1</i>	0	2
2	37315583	<i>GPATCH11</i>	0	0
1	217604535	<i>GPATCH2</i>	0	0

14	76621072	<i>GPATCH2L</i>	0	0
1	27226838	<i>GPATCH3</i>	1	1
1	156571199	<i>GPATCH4</i>	0	3
17	42477289	<i>GPATCH8</i>	0	1
2	219127636	<i>GPBAR1</i>	1	3
5	56543015	<i>GPBP1</i>	0	1
1	46124754	<i>GPBP1L1</i>	0	0
2	241396895	<i>GPC1</i>	0	0
7	99773879	<i>GPC2</i>	0	0
13	93518680	<i>GPC5</i>	0	0
13	95055288	<i>GPC6</i>	0	0
20	5566853	<i>GPCPD1</i>	0	0
12	50497872	<i>GPD1</i>	0	0
3	32201195	<i>GPD1L</i>	0	0
2	157425972	<i>GPD2</i>	1	7
7	1131430	<i>GPER1</i>	0	0
11	64702296	<i>GPHA2</i>	0	2
14	67432033	<i>GPHN</i>	0	0
19	34884896	<i>GPI</i>	0	2
8	144295714	<i>GPIHBP1</i>	1	1
6	24448394	<i>GPLD1</i>	6	17
2	27873065	<i>GPN1</i>	0	1
1	27210722	<i>GPN2</i>	0	0
7	23293854	<i>GPNMB</i>	6	16
2	207041921	<i>GPR1</i>	0	3
9	132887161	<i>GPR107</i>	0	0
19	6734237	<i>GPR108</i>	0	1
13	27333596	<i>GPR12</i>	0	1
14	105517871	<i>GPR132</i>	0	0
14	59930503	<i>GPR135</i>	2	0
11	64055262	<i>GPR137</i>	0	0
1	236306180	<i>GPR137B</i>	2	5
14	53101644	<i>GPR137C</i>	0	0
16	20043330	<i>GPR139</i>	0	0
7	37780799	<i>GPR141</i>	0	2
17	72367944	<i>GPR142</i>	0	1
7	1097529	<i>GPR146</i>	0	0
2	131487692	<i>GPR148</i>	0	0
3	154147207	<i>GPR149</i>	1	2
3	98251615	<i>GPR15</i>	0	0
5	94957029	<i>GPR150</i>	1	5

5	145894834	GPR151	2	7
11	67220015	GPR152	0	5
1	6314003	GPR153	0	1
2	175346337	GPR155	1	1
3	119962501	GPR156	0	0
1	9165669	GPR157	0	0
10	25887573	GPR158	0	0
3	169802405	GPR160	0	2
1	168074023	GPR161	0	1
12	6935449	GPR162	0	17
2	128408366	GPR17	0	0
3	150916327	GPR171	0	1
15	40094173	GPR176	0	0
17	36486004	GPR179	0	7
13	99907152	GPR18	0	0
13	95278297	GPR180	0	1
12	57389173	GPR182	1	2
13	99948178	GPR183	0	0
12	12814881	GPR19	0	0
8	142366986	GPR20	0	0
9	125797451	GPR21	0	0
1	200843212	GPR25	0	0
1	27721073	GPR3	0	0
6	167571030	GPR31	1	2
19	51274826	GPR32	8	31
2	241569897	GPR35	2	5
7	124404031	GPR37	0	0
1	202092360	GPR37L1	1	0
2	133403024	GPR39	0	3
2	105858387	GPR45	0	1
1	174417396	GPR52	0	0
2	231775543	GPR55	0	1
6	110301074	GPR6	0	0
1	110085878	GPR61	0	0
3	51990646	GPR62	0	1
6	97247383	GPR63	0	0
14	91700972	GPR68	0	0
2	54080865	GPR75	0	1
4	8588814	GPR78	0	0
11	94113719	GPR83	0	0
12	54757228	GPR84	1	3

3	151017921	<i>GPR87</i>	1	2
12	13061795	<i>GPRC5A</i>	1	11
16	19883550	<i>GPRC5B</i>	0	0
17	72436370	<i>GPRC5C</i>	0	0
12	13102482	<i>GPRC5D</i>	2	28
6	117128159	<i>GPRC6A</i>	0	5
5	176025913	<i>GPRIN1</i>	0	0
10	46999777	<i>GPRIN2</i>	0	0
4	90170284	<i>GPRIN3</i>	1	1
17	80011176	<i>GPS1</i>	0	0
9	139234234	<i>GPSM1</i>	1	0
1	109465163	<i>GPSM2</i>	2	3
8	145732250	<i>GPT</i>	1	4
16	46956265	<i>GPT2</i>	0	0
1	53068093	<i>GPX7</i>	0	0
5	54456860	<i>GPX8</i>	0	0
19	35504535	<i>GRAMD1A</i>	3	8
11	123484170	<i>GRAMD1B</i>	0	0
3	113652447	<i>GRAMD1C</i>	1	3
15	72455757	<i>GRAMD2</i>	2	8
5	125801957	<i>GRAMD3</i>	0	4
22	47069593	<i>GRAMD4</i>	0	0
22	40365463	<i>GRAP2</i>	0	0
12	52403036	<i>GRASP</i>	0	0
7	50800032	<i>GRB10</i>	0	0
2	165383566	<i>GRB14</i>	0	1
17	37903105	<i>GRB7</i>	0	0
2	11702581	<i>GREB1</i>	0	2
18	19065676	<i>GREB1L</i>	0	0
15	33023200	<i>GREM1</i>	0	0
1	240656380	<i>GREM2</i>	0	0
2	10139173	<i>GRHL1</i>	1	0
8	102678859	<i>GRHL2</i>	0	0
1	24669458	<i>GRHL3</i>	0	0
9	37436754	<i>GRHPR</i>	0	5
5	153026516	<i>GRIA1</i>	0	1
4	158254473	<i>GRIA2</i>	0	0
11	105774647	<i>GRIA4</i>	0	1
10	87362144	<i>GRID1</i>	0	0
4	93511396	<i>GRID2</i>	0	0
7	6591041	<i>GRID2IP</i>	0	0

21	30909580	<i>GRIK1</i>	1	2
6	102503398	<i>GRIK2</i>	0	0
1	37285407	<i>GRIK3</i>	0	0
11	120745910	<i>GRIK4</i>	0	2
19	42526480	<i>GRIK5</i>	0	0
9	140051217	<i>GRIN1</i>	0	0
16	9857045	<i>GRIN2A</i>	0	0
12	13764735	<i>GRIN2B</i>	0	0
17	72846818	<i>GRIN2C</i>	0	1
19	48908044	<i>GRIN2D</i>	0	0
9	104449294	<i>GRIN3A</i>	0	1
19	1007866	<i>GRIN3B</i>	0	6
8	145066883	<i>GRINA</i>	0	0
12	66839082	<i>GRIP1</i>	0	0
13	114324024	<i>GRK1</i>	0	1
4	3005956	<i>GRK4</i>	1	3
10	121212266	<i>GRK5</i>	0	0
5	176859762	<i>GRK6</i>	0	0
3	141499449	<i>GRK7</i>	1	0
6	146755476	<i>GRM1</i>	0	1
3	51743161	<i>GRM2</i>	0	0
7	86394896	<i>GRM3</i>	0	0
6	34008006	<i>GRM4</i>	0	2
11	88338113	<i>GRM5</i>	0	0
5	178416288	<i>GRM6</i>	3	3
3	7721837	<i>GRM7</i>	0	0
7	126746644	<i>GRM8</i>	0	0
17	42428419	<i>GRN</i>	0	0
18	56892869	<i>GRP</i>	0	0
4	71698106	<i>GRSF1</i>	0	0
13	114009678	<i>GRTP1</i>	1	1
19	48954380	<i>GRWD1</i>	0	3
4	42895610	<i>GRXCR1</i>	0	2
5	145239371	<i>GRXCR2</i>	0	0
7	76940696	<i>GSAP</i>	0	6
17	38121993	<i>GSDMA</i>	1	1
17	38062390	<i>GSDMB</i>	2	0
8	130763783	<i>GSDMC</i>	1	1
8	144642156	<i>GSDMD</i>	0	0
16	85706061	<i>GSE1</i>	0	0
12	13256459	<i>GSG1</i>	12	31

17	3628647	GSG2	0	2
9	124044059	GSN	0	1
16	11991836	GSPT1	0	0
8	30565624	GSR	0	0
20	33516620	GSS	1	4
6	52619869	GSTA2	1	0
6	52770503	GSTA3	0	0
6	52849325	GSTA4	0	1
4	106640432	GSTCD	0	0
7	142960573	GSTK1	0	4
1	110282910	GSTM3	0	0
1	110201809	GSTM4	4	16
1	110258015	GSTM5	0	1
10	106014719	GSTO1	0	0
11	67351585	GSTP1	0	0
14	77796586	GSTZ1	0	1
4	54968026	GSX2	0	0
2	144764958	GTDC1	0	1
1	89318968	GTF2B	0	0
3	120495353	GTF2E1	0	0
8	30510987	GTF2E2	0	0
19	6380472	GTF2F1	4	25
13	45841403	GTF2F2	0	0
11	18387380	GTF2H1	0	0
12	124137180	GTF2H3	0	0
7	73933874	GTF2IRD1	0	0
13	28008983	GTF3A	0	5
16	27489852	GTF3C1	1	1
2	27552071	GTF3C2	0	0
2	197650314	GTF3C3	1	2
9	135554860	GTF3C4	0	0
9	135919209	GTF3C5	0	0
6	111280404	GTF3C6	0	0
22	39112729	GTPBP1	0	0
7	90001472	GTPBP10	0	0
6	43596793	GTPBP2	4	0
19	17449897	GTPBP3	0	2
10	1058539	GTPBP4	0	0
3	112710133	GTPBP8	0	0
22	46722397	GTSE1	0	1
12	54865004	GTSF1	0	0

20	42355127	<i>GTSF1L</i>	0	1
6	42130822	<i>GUCA1A</i>	0	2
6	42156424	<i>GUCA1B</i>	0	2
3	108639384	<i>GUCA1C</i>	12	24
1	42630354	<i>GUCA2A</i>	0	6
22	24939982	<i>GUCD1</i>	0	0
11	106849397	<i>GUCY1A2</i>	0	0
4	156629436	<i>GUCY1A3</i>	0	1
4	156721188	<i>GUCY1B3</i>	0	0
12	14839164	<i>GUCY2C</i>	0	2
17	7909938	<i>GUCY2D</i>	0	0
4	44688714	<i>GUF1</i>	2	6
1	228333701	<i>GUK1</i>	0	2
2	189342466	<i>GULP1</i>	0	0
7	65439329	<i>GUSB</i>	0	0
12	42481732	<i>GXYLT1</i>	0	0
3	72957614	<i>GXYLT2</i>	0	0
3	148712076	<i>GYG1</i>	0	2
11	45948926	<i>GYLTL1B</i>	0	1
4	145038127	<i>GYP A</i>	0	0
2	127447840	<i>GYP C</i>	0	0
19	49484873	<i>GYS1</i>	0	1
12	21721886	<i>GYS2</i>	1	2
20	23350847	<i>GZF1</i>	0	1
5	54405979	<i>GZMA</i>	0	2
14	25100364	<i>GZMB</i>	0	1
14	25075810	<i>GZMH</i>	0	1
5	54326283	<i>GZMK</i>	0	0
19	549122	<i>GZMM</i>	1	5
12	48723595	<i>H1FNT</i>	0	0
3	129270132	<i>H1FOO</i>	0	1
12	14928329	<i>H2AFJ</i>	0	0
10	71851605	<i>H2AFY2</i>	0	0
12	31944769	<i>H3F3C</i>	1	0
1	9307033	<i>H6PD</i>	0	2
2	42997336	<i>HAAO</i>	0	1
10	115338540	<i>HABP2</i>	3	12
10	17636247	<i>HACD1</i>	0	1
3	123303821	<i>HACD2</i>	0	0
15	65823026	<i>HACD3</i>	0	0
9	21015956	<i>HACD4</i>	0	0

6	105225063	<i>HACE1</i>	2	3
3	15637868	<i>HACL1</i>	2	1
4	108944579	<i>HADH</i>	0	0
2	26461912	<i>HADHA</i>	0	0
2	26492804	<i>HADHB</i>	0	1
16	1867190	<i>HAGH</i>	0	16
12	96370298	<i>HAL</i>	1	4
19	35775780	<i>HAMP</i>	0	0
5	153857101	<i>HAND1</i>	0	0
20	7894999	<i>HAO1</i>	0	0
1	119923353	<i>HAO2</i>	0	1
17	39881298	<i>HAP1</i>	1	1
5	82940369	<i>HAPLN1</i>	0	0
1	156593357	<i>HAPLN2</i>	0	0
15	89422295	<i>HAPLN3</i>	0	0
11	46637613	<i>HARBI1</i>	0	4
5	140070848	<i>HARS</i>	0	0
5	140073790	<i>HARS2</i>	1	0
19	52216808	<i>HAS1</i>	0	12
8	122626385	<i>HAS2</i>	0	0
16	69148842	<i>HAS3</i>	0	0
2	172844243	<i>HAT1</i>	0	1
18	43704833	<i>HAUS1</i>	0	1
15	42841100	<i>HAUS2</i>	0	0
4	2241863	<i>HAUS3</i>	0	10
14	23424355	<i>HAUS4</i>	0	0
19	36110533	<i>HAUS5</i>	0	2
9	19056374	<i>HAUS6</i>	0	1
19	17166750	<i>HAUS8</i>	0	1
5	156479424	<i>HAVCR1</i>	1	2
5	156514189	<i>HAVCR2</i>	0	0
1	154248073	<i>HAX1</i>	0	4
11	5247855	<i>HBB</i>	0	0
11	5255359	<i>HBD</i>	9	0
11	5290822	<i>HBE1</i>	0	2
5	139725477	<i>HBEGF</i>	0	0
7	106836285	<i>HBP1</i>	0	0
16	231019	<i>HBQ1</i>	0	1
6	135306521	<i>HBS1L</i>	0	1
12	123214070	<i>HCAR1</i>	0	0
12	123187474	<i>HCAR2</i>	0	0

12	123200238	HCAR3	1	3
12	104459934	HCFC2	0	0
20	30661176	HCK	0	0
3	121351338	HCLS1	0	4
5	45267264	HCN1	0	0
1	155258222	HCN3	1	1
15	73660505	HCN4	0	0
1	32084861	HCRTR1	0	0
6	55119975	HCRTR2	0	0
1	32793218	HDAC1	2	5
22	50688357	HDAC10	0	1
3	13546153	HDAC11	0	0
2	239990154	HDAC4	0	0
17	42164846	HDAC5	0	0
12	48189731	HDAC7	0	0
7	18975544	HDAC9	0	0
15	50555614	HDC	0	0
6	125621761	HDDC2	0	1
15	91474789	HDDC3	1	1
1	156713998	HDGF	0	0
6	22570206	HDGFL1	0	0
19	4488780	HDGFRP2	0	3
18	44662730	HDHD2	0	2
2	242195686	HDLBP	0	1
1	236766564	HEATR1	0	0
16	50109609	HEATR3	1	1
14	73989527	HEATR4	1	7
14	31819145	HEATR5A	3	12
2	37287728	HEATR5B	1	3
17	58132871	HEATR6	3	8
17	34182077	HEATR9	1	6
12	13152988	HEBP1	0	0
6	138727205	HEBP2	0	0
6	139498200	HECA	0	0
14	31583475	HECTD1	0	0
10	93220322	HECTD2	0	0
1	45469215	HECTD3	0	1
12	112707591	HECTD4	0	5
7	43548655	HECW1	0	0
2	197118729	HECW2	0	0
3	124729377	HEG1	0	0

12	66696410	HELB	2	0
10	96333809	HELLS	0	0
4	84362451	HELQ	0	1
4	185940864	HELT	0	0
17	65105257	HELZ	0	1
20	62196033	HELZ2	2	2
9	100693161	HEMGN	0	2
3	50617824	HEMK1	0	1
1	109197409	HENMT1	0	1
11	124805895	HEPACAM	0	0
7	92826919	HEPACAM2	0	1
11	93803592	HEPHL1	1	3
11	124789688	HEPN1	0	2
15	64039180	HERC1	0	1
15	28358819	HERC2	2	2
4	89574213	HERC3	0	0
10	69773931	HERC4	0	0
4	89426969	HERC5	0	1
4	89300101	HERC6	0	1
16	56977196	HERPUD1	0	1
7	35709842	HERPUD2	0	0
3	193855650	HES1	0	0
1	6304601	HES3	0	0
1	935046	HES4	0	0
1	2461547	HES5	0	0
2	239149073	HES6	0	3
3	57232883	HESX1	0	0
15	72640066	HEXA	1	8
5	74014217	HEXB	0	1
17	80398910	HEXDC	0	2
17	43226710	HEXIM1	0	0
17	43247077	HEXIM2	0	0
8	80677484	HEY1	0	0
6	126080735	HEY2	0	1
1	40092464	HEYL	0	0
6	26091336	HFE	2	0
1	145415439	HFE2	0	0
1	91781407	HFM1	1	2
3	120393783	HGD	0	2
7	81332083	HGF	0	0
4	3449922	HGFAC	6	30

17	79657280	HGS	0	0
8	43027486	HGSNAT	1	0
1	210577885	HHAT	0	1
3	42734351	HHATL	0	0
4	145628341	HHIP	0	0
14	100129327	HHIPL1	0	0
1	222721288	HHIPL2	0	6
8	133092122	HHLA1	1	1
3	108081277	HHLA2	5	16
2	191184505	HIBCH	1	1
17	1961214	HIC1	0	0
22	21799247	HIC2	0	0
17	72948149	HID1	0	1
14	62194290	HIF1A	0	0
10	102300521	HIF1AN	1	2
19	46825190	HIF3A	3	23
17	42925559	HIGD1B	0	1
12	51347833	HIGD1C	0	0
11	119005057	HINFP	1	0
6	126288120	HINT3	3	9
7	75184811	HIP1	0	0
12	123344351	HIP1R	0	1
1	114515903	HIPK1	0	0
7	139260015	HIPK2	0	1
11	33308079	HIPK3	0	1
19	40886277	HIPK4	0	1
22	19363261	HIRA	0	0
16	30006468	HIRIP3	0	1
6	26017775	HIST1H1A	0	0
6	27835212	HIST1H1B	0	0
6	26056321	HIST1H1C	0	0
6	26234606	HIST1H1D	0	0
6	26156930	HIST1H1E	0	0
6	26107790	HIST1H1T	0	3
6	25726666	HIST1H2AA	1	0
6	26033724	HIST1H2AB	0	2
6	25727169	HIST1H2BA	1	1
6	26273213	HIST1H2BI	0	0
6	27775649	HIST1H2BL	0	0
6	26020888	HIST1H3A	0	1
6	26027382	HIST1H4B	2	6

6	26104217	<i>HIST1H4C</i>	0	3
6	26205139	<i>HIST1H4E</i>	2	7
6	26240836	<i>HIST1H4F</i>	1	0
1	149858150	<i>HIST2H2BE</i>	0	0
1	228612676	<i>HIST3H3</i>	0	0
6	12120664	<i>HIVEP1</i>	0	0
6	143092471	<i>HIVEP2</i>	0	0
1	42045747	<i>HIVEP3</i>	0	0
2	234750010	<i>HJURP</i>	0	1
10	71144071	<i>HK1</i>	0	0
2	75105942	<i>HK2</i>	1	1
5	176316450	<i>HK3</i>	0	1
10	71000508	<i>HKDC1</i>	0	4
19	37835668	<i>HKR1</i>	3	4
21	38309616	<i>HLCS</i>	0	1
3	148781294	<i>HLTF</i>	1	0
1	221057757	<i>HLX</i>	0	0
20	30142637	<i>HM13</i>	0	0
11	118955716	<i>HMBS</i>	0	0
3	129017325	<i>HMCES</i>	0	0
1	185976299	<i>HMCN1</i>	1	8
15	77756711	<i>HMG20A</i>	0	0
19	3573792	<i>HMG20B</i>	0	0
12	66308859	<i>HMGGA2</i>	0	0
1	34330300	<i>HMGGB4</i>	3	2
1	24140802	<i>HMGCL</i>	2	2
6	55441919	<i>HMGCLL1</i>	0	1
5	74655111	<i>HMGCR</i>	0	0
5	43298978	<i>HMGCS1</i>	1	0
1	120307195	<i>HMGCS2</i>	0	1
5	149410354	<i>HMGXB3</i>	0	0
22	35658373	<i>HMGXB4</i>	0	0
19	1074315	<i>HMHA1</i>	0	0
5	162901054	<i>HMMR</i>	0	3
22	35782659	<i>HMOX1</i>	0	0
16	4557788	<i>HMOX2</i>	1	6
5	173534528	<i>HMP19</i>	0	0
18	61620679	<i>HMSD</i>	1	0
10	124907975	<i>HMX2</i>	0	0
10	124896758	<i>HMX3</i>	0	0
17	73142764	<i>HN1</i>	0	0

16	1747877	<i>HN1L</i>	0	0
12	121437267	<i>HNF1A</i>	0	0
17	36064897	<i>HNF1B</i>	1	1
20	43047106	<i>HNF4A</i>	0	0
8	76465360	<i>HNF4G</i>	0	0
2	138771388	<i>HNMT</i>	0	1
5	137089624	<i>HNRNPA0</i>	0	0
1	13183045	<i>HNRNPCL2</i>	0	0
4	83348440	<i>HNRNPDL</i>	0	0
10	43882553	<i>HNRNPF</i>	0	0
10	70101698	<i>HNRNPH3</i>	0	0
2	38812927	<i>HNRNPLL</i>	0	0
19	8551112	<i>HNRNPM</i>	0	1
1	23637058	<i>HNRNPR</i>	0	0
1	245022046	<i>HNRNPU</i>	0	0
19	41812410	<i>HNRNPUL1</i>	0	0
11	62489739	<i>HNRNPUL2</i>	0	0
10	99361781	<i>HOGA1</i>	0	0
15	83519927	<i>HOMER2</i>	0	0
19	19042182	<i>HOMER3</i>	0	0
14	23746269	<i>HOMEZ</i>	0	0
1	60299184	<i>HOOK1</i>	1	2
19	12875807	<i>HOOK2</i>	1	1
8	42857256	<i>HOOK3</i>	0	0
1	150680849	<i>HORMAD1</i>	0	1
22	30499410	<i>HORMAD2</i>	0	0
7	27134859	<i>HOXA1</i>	1	2
7	27211816	<i>HOXA10</i>	0	1
7	27224128	<i>HOXA11</i>	0	0
7	27140432	<i>HOXA2</i>	0	0
7	27150061	<i>HOXA3</i>	0	0
7	27168920	<i>HOXA4</i>	0	0
7	27183047	<i>HOXA5</i>	0	0
7	27185280	<i>HOXA6</i>	0	1
7	27196069	<i>HOXA7</i>	0	1
7	27204738	<i>HOXA9</i>	0	2
17	46805857	<i>HOXB13</i>	0	0
17	46620877	<i>HOXB2</i>	0	0
17	46629736	<i>HOXB3</i>	0	8
17	46669757	<i>HOXB5</i>	0	0
17	46675240	<i>HOXB6</i>	0	0

17	46688110	<i>HOXB7</i>	0	0
12	54379295	<i>HOXC10</i>	0	1
12	54367061	<i>HOXC11</i>	0	0
12	54350333	<i>HOXC12</i>	0	1
12	54447949	<i>HOXC4</i>	0	0
12	54427143	<i>HOXC5</i>	0	1
12	54422584	<i>HOXC6</i>	0	0
12	54403116	<i>HOXC8</i>	0	0
12	54396275	<i>HOXC9</i>	0	0
2	177054654	<i>HOXD1</i>	0	1
2	176982143	<i>HOXD10</i>	0	0
2	176972234	<i>HOXD11</i>	0	0
2	176964886	<i>HOXD12</i>	0	2
2	176958299	<i>HOXD13</i>	0	0
2	177036678	<i>HOXD3</i>	0	0
2	177015161	<i>HOXD4</i>	0	0
2	176995559	<i>HOXD8</i>	0	0
2	176988765	<i>HOXD9</i>	0	1
16	72094573	<i>HP</i>	0	1
1	21097593	<i>HP1BP3</i>	0	0
1	40150156	<i>HPCAL4</i>	0	0
12	122284939	<i>HPD</i>	0	0
1	45793837	<i>HPDL</i>	0	0
4	175416708	<i>HPGD</i>	0	1
4	95220699	<i>HPGDS</i>	1	1
19	35551009	<i>HPN</i>	0	0
16	72107866	<i>HPR</i>	0	0
10	100185466	<i>HPS1</i>	0	1
3	148857831	<i>HPS3</i>	0	0
22	26862156	<i>HPS4</i>	0	3
11	18303478	<i>HPS5</i>	0	1
10	103827481	<i>HPS6</i>	0	0
4	84231998	<i>HPSE</i>	0	3
10	100249808	<i>HPSE2</i>	1	1
11	6461701	<i>HPX</i>	1	1
8	21976786	<i>HR</i>	1	1
11	63320478	<i>HRASLS2</i>	0	0
11	63256441	<i>HRASLS5</i>	0	0
19	49655245	<i>HRC</i>	0	1
9	35906438	<i>HRCT1</i>	0	1
3	186390537	<i>HRG</i>	0	1

3	11300981	HRH1	2	29
5	175111185	HRH2	0	0
20	60791316	HRH3	0	0
18	22048786	HRH4	0	2
1	152193780	HRNR	6	4
2	20838351	HS1BP3	0	0
1	87538768	HS2ST1	1	0
4	11401363	HS3ST1	0	0
16	22826046	HS3ST2	0	1
17	13504294	HS3ST3A1	0	0
16	26147293	HS3ST4	0	0
6	114378970	HS3ST5	0	1
16	1961866	HS3ST6	0	1
13	97485182	HS6ST3	0	0
22	29138191	HSCB	0	0
1	209878368	HSD11B1	0	0
19	5687362	HSD11B1L	0	0
16	67469915	HSD11B2	0	0
17	40705506	HSD17B1	0	0
4	88295816	HSD17B11	1	0
11	43775587	HSD17B12	0	0
4	88231392	HSD17B13	1	9
19	49318380	HSD17B14	1	0
16	82131900	HSD17B2	0	2
9	99008830	HSD17B3	1	0
5	118824930	HSD17B4	0	1
12	57175948	HSD17B6	0	0
1	162773302	HSD17B7	0	0
1	119964625	HSD3B2	0	0
16	30999250	HSD3B7	0	1
16	84158244	HSDL1	0	0
9	115167994	HSDL2	1	0
8	145537804	HSF1	0	0
21	45064200	HSF2BP	0	4
16	67199599	HSF4	1	2
17	56536256	HSF5	0	0
19	16268425	HSH2D	0	0
14	102550121	HSP90AA1	0	1
12	104341212	HSP90B1	0	1
10	118439271	HSPA12A	0	0
20	3722963	HSPA12B	0	0

21	15750646	<i>HSPA13</i>	0	0
10	14880387	<i>HSPA14</i>	0	0
14	65008698	<i>HSPA2</i>	0	0
5	132403234	<i>HSPA4</i>	0	0
4	128715307	<i>HSPA4L</i>	0	1
1	161495464	<i>HSPA6</i>	0	1
5	137911022	<i>HSPA9</i>	0	0
1	54394116	<i>HSPB11</i>	0	0
11	111784401	<i>HSPB2</i>	0	0
5	53751940	<i>HSPB3</i>	0	1
19	36247913	<i>HSPB6</i>	0	0
12	119631624	<i>HSPB8</i>	0	0
17	40275108	<i>HSPB9</i>	0	0
3	122478187	<i>HSPBAP1</i>	1	1
19	55776727	<i>HSPBP1</i>	0	1
1	22198768	<i>HSPG2</i>	0	1
13	31722129	<i>HSPH1</i>	0	0
11	20398212	<i>HTATIP2</i>	1	0
4	70920041	<i>HTN1</i>	1	3
5	63256995	<i>HTR1A</i>	0	0
6	78172836	<i>HTR1B</i>	0	0
1	23520155	<i>HTR1D</i>	0	2
6	87726012	<i>HTR1E</i>	0	1
3	88040823	<i>HTR1F</i>	0	0
13	47409710	<i>HTR2A</i>	0	0
2	231973377	<i>HTR2B</i>	2	0
11	113857365	<i>HTR3A</i>	0	0
11	113802083	<i>HTR3B</i>	0	4
3	183778059	<i>HTR3C</i>	0	0
3	183749587	<i>HTR3D</i>	0	0
3	183824121	<i>HTR3E</i>	0	0
5	147856257	<i>HTR4</i>	0	1
7	154863068	<i>HTR5A</i>	1	1
1	20005708	<i>HTR6</i>	0	0
10	92502225	<i>HTR7</i>	0	0
10	124269681	<i>HTRA1</i>	0	0
2	74757747	<i>HTRA2</i>	0	0
4	8288399	<i>HTRA3</i>	0	0
8	38831806	<i>HTRA4</i>	2	4
4	3208369	<i>HTT</i>	1	2
21	33371155	<i>HUNK</i>	0	2

7	48018376	<i>HUS1</i>	0	0
6	656819	<i>HUS1B</i>	1	0
12	111087294	<i>HVCN1</i>	0	0
3	50340065	<i>HYAL1</i>	1	1
3	50355725	<i>HYAL2</i>	0	0
3	50336661	<i>HYAL3</i>	1	0
7	123508603	<i>HYAL4</i>	0	2
16	70954518	<i>HYDIN</i>	3	13
1	43918669	<i>HYI</i>	0	0
15	78805502	<i>HYKK</i>	1	3
11	125769318	<i>HYLS1</i>	0	1
11	118926262	<i>HYOU1</i>	1	0
15	44092952	<i>HYPK</i>	0	0
2	9616183	<i>IAH1</i>	0	0
9	95040225	<i>IARS</i>	0	1
1	220279330	<i>IARS2</i>	0	1
1	228351905	<i>IBA57</i>	0	0
4	88732874	<i>IBSP</i>	0	0
6	82891658	<i>IBTK</i>	0	1
7	8196529	<i>ICA1</i>	0	0
2	203684457	<i>ICA1L</i>	0	5
19	10395252	<i>ICAM1</i>	0	2
17	62080248	<i>ICAM2</i>	0	0
19	10449514	<i>ICAM3</i>	1	1
19	10397874	<i>ICAM4</i>	1	5
19	10404519	<i>ICAM5</i>	0	0
5	5447537	<i>ICE1</i>	0	0
15	60768337	<i>ICE2</i>	1	0
6	52870064	<i>ICK</i>	1	0
1	6292127	<i>ICMT</i>	0	0
2	204824324	<i>ICOS</i>	0	0
21	45642993	<i>ICOSLG</i>	0	0
17	73016489	<i>ICT1</i>	0	0
20	30193523	<i>ID1</i>	0	0
1	23885516	<i>ID3</i>	0	0
10	94250332	<i>IDE</i>	0	0
2	209108317	<i>IDH1</i>	0	1
15	90630630	<i>IDH2</i>	0	0
15	78461349	<i>IDH3A</i>	0	0
20	2644071	<i>IDH3B</i>	0	2
10	1090048	<i>IDI1</i>	0	0

10	1065603	<i>IDI2</i>	1	6
9	86258357	<i>IDNK</i>	0	1
8	39785491	<i>IDO1</i>	0	0
8	39836669	<i>IDO2</i>	0	1
4	996086	<i>IDUA</i>	1	3
1	181058191	<i>IER5</i>	0	0
9	131940272	<i>IER5L</i>	0	0
12	6657826	<i>IFFO1</i>	0	1
1	19238568	<i>IFFO2</i>	0	0
1	159023398	<i>IFI16</i>	1	1
14	94582212	<i>IFI27</i>	0	1
14	94567118	<i>IFI27L1</i>	1	1
14	94595882	<i>IFI27L2</i>	0	1
19	18286507	<i>IFI30</i>	0	0
17	41164220	<i>IFI35</i>	2	8
1	79129514	<i>IFI44</i>	0	4
1	79093657	<i>IFI44L</i>	5	37
2	163138912	<i>IFIH1</i>	14	60
10	91162971	<i>IFIT1</i>	2	5
10	91137897	<i>IFIT1B</i>	0	0
10	91067064	<i>IFIT2</i>	0	0
10	91098673	<i>IFIT3</i>	0	0
10	91177438	<i>IFIT5</i>	0	2
11	1771672	<i>IFITM10</i>	3	9
11	299371	<i>IFITM5</i>	0	3
9	21304913	<i>IFNA5</i>	13	16
21	34707942	<i>IFNAR1</i>	0	1
21	34614255	<i>IFNAR2</i>	0	0
9	21077641	<i>IFNB1</i>	1	1
9	21481566	<i>IFNE</i>	0	0
6	137524636	<i>IFNGR1</i>	0	1
21	34804463	<i>IFNGR2</i>	0	0
9	27524358	<i>IFNK</i>	0	1
19	39789088	<i>IFNL1</i>	0	0
1	24507310	<i>IFNLR1</i>	0	1
9	21141348	<i>IFNW1</i>	0	0
7	112098889	<i>IFRD1</i>	0	0
3	50327661	<i>IFRD2</i>	0	2
3	129180146	<i>IFT122</i>	1	1
16	1630766	<i>IFT140</i>	0	2
2	27695208	<i>IFT172</i>	0	1

7	100961434	<i>IFT22</i>	0	0
22	37158985	<i>IFT27</i>	0	5
14	76488655	<i>IFT43</i>	0	1
11	118416216	<i>IFT46</i>	0	1
20	42247585	<i>IFT52</i>	0	1
3	107910380	<i>IFT57</i>	0	2
9	27044717	<i>IFT74</i>	1	1
3	159986181	<i>IFT80</i>	0	1
12	110570450	<i>IFT81</i>	0	1
13	21165141	<i>IFT88</i>	1	1
15	65627160	<i>IGDCC3</i>	0	2
15	65693258	<i>IGDCC4</i>	0	0
12	102869393	<i>IGF1</i>	0	0
15	99472786	<i>IGF1R</i>	0	2
11	2161430	<i>IGF2</i>	1	3
17	47126752	<i>IGF2BP1</i>	0	0
6	160468278	<i>IGF2R</i>	0	0
16	1840775	<i>IGFALS</i>	2	0
7	45931590	<i>IGFBP1</i>	0	1
7	45956969	<i>IGFBP3</i>	0	0
2	217543728	<i>IGFBP5</i>	0	0
12	53495878	<i>IGFBP6</i>	0	1
4	57898729	<i>IGFBP7</i>	0	0
9	38527690	<i>IGFBPL1</i>	0	0
19	46733628	<i>IGFL1</i>	0	0
19	46663731	<i>IGFL2</i>	0	5
19	46627559	<i>IGFL3</i>	0	0
19	46544248	<i>IGFL4</i>	0	1
19	36230873	<i>IGFLR1</i>	2	19
1	201187701	<i>IGFN1</i>	3	8
11	68673601	<i>IGHMBP2</i>	0	2
5	139508245	<i>IGIP</i>	0	0
22	23922281	<i>IGLL1</i>	0	0
22	23230231	<i>IGLL5</i>	0	3
3	151163913	<i>IGSF10</i>	3	26
3	118621523	<i>IGSF11</i>	0	0
1	18691749	<i>IGSF21</i>	0	0
11	18737169	<i>IGSF22</i>	5	20
19	45121389	<i>IGSF23</i>	0	0
1	117208962	<i>IGSF3</i>	0	0
21	41151154	<i>IGSF5</i>	0	0

16	21658503	<i>IGSF6</i>	0	0
1	160061624	<i>IGSF8</i>	0	1
1	159904270	<i>IGSF9</i>	0	3
11	133791166	<i>IGSF9B</i>	0	2
2	219920346	<i>IHH</i>	0	0
5	140038944	<i>IK</i>	0	0
12	99020453	<i>IKBIP</i>	0	1
9	111662078	<i>IKBKAP</i>	0	0
8	42166523	<i>IKBKB</i>	0	0
1	206646555	<i>IKBKE</i>	1	3
7	50467830	<i>IKZF1</i>	0	0
2	214013321	<i>IKZF2</i>	0	0
17	37922622	<i>IKZF3</i>	0	0
12	56415317	<i>IKZF4</i>	0	0
1	206941966	<i>IL10</i>	0	0
11	117870071	<i>IL10RA</i>	0	1
21	34666297	<i>IL10RB</i>	0	0
19	55877372	<i>IL11</i>	0	0
9	34657010	<i>IL11RA</i>	0	0
3	159713244	<i>IL12A</i>	0	1
5	158750054	<i>IL12B</i>	0	0
19	18194228	<i>IL12RB1</i>	1	2
1	67845727	<i>IL12RB2</i>	0	2
5	131994031	<i>IL13</i>	0	0
4	142641675	<i>IL15</i>	0	0
10	6002518	<i>IL15RA</i>	0	0
15	81598344	<i>IL16</i>	3	0
6	52051251	<i>IL17A</i>	0	0
5	148754007	<i>IL17B</i>	0	0
16	88705043	<i>IL17C</i>	0	0
13	21295850	<i>IL17D</i>	0	0
6	52101708	<i>IL17F</i>	1	1
22	17581210	<i>IL17RA</i>	0	0
3	53890967	<i>IL17RB</i>	0	0
3	9972108	<i>IL17RC</i>	0	1
3	57132035	<i>IL17RD</i>	0	1
3	9948059	<i>IL17RE</i>	0	0
22	50454884	<i>IL17REL</i>	0	0
11	112019410	<i>IL18</i>	0	0
11	71711470	<i>IL18BP</i>	0	1
2	102984448	<i>IL18R1</i>	0	2

2	103039752	<i>IL18RAP</i>	0	2
1	207014348	<i>IL19</i>	0	0
2	113539227	<i>IL1A</i>	0	0
2	113830282	<i>IL1F10</i>	0	1
2	102792095	<i>IL1R1</i>	0	0
2	102625026	<i>IL1R2</i>	2	4
3	190345185	<i>IL1RAP</i>	0	0
2	102968075	<i>IL1RL1</i>	0	0
2	102855692	<i>IL1RL2</i>	0	1
2	113875631	<i>IL1RN</i>	0	0
1	207039838	<i>IL20</i>	1	4
6	137322803	<i>IL20RA</i>	1	1
3	136699432	<i>IL20RB</i>	1	1
4	123542023	<i>IL21</i>	0	1
16	27460019	<i>IL21R</i>	0	0
12	68642647	<i>IL22</i>	0	0
1	24465128	<i>IL22RA1</i>	0	0
6	137466911	<i>IL22RA2</i>	0	3
1	67635211	<i>IL23R</i>	0	1
1	207074962	<i>IL24</i>	0	3
14	23842147	<i>IL25</i>	0	0
12	68618953	<i>IL26</i>	0	0
16	28518118	<i>IL27</i>	0	0
19	14162447	<i>IL27RA</i>	0	0
10	6060013	<i>IL2RA</i>	0	0
22	37540185	<i>IL2RB</i>	0	0
5	131396478	<i>IL3</i>	0	1
12	122657198	<i>IL31</i>	0	0
5	55164660	<i>IL31RA</i>	0	2
16	3117426	<i>IL32</i>	0	1
9	6256091	<i>IL33</i>	1	18
16	70690499	<i>IL34</i>	0	0
2	113783729	<i>IL36B</i>	0	6
2	113736239	<i>IL36G</i>	1	0
2	113817059	<i>IL36RN</i>	0	0
2	113676236	<i>IL37</i>	0	4
19	50397603	<i>IL41</i>	0	1
16	27363901	<i>IL4R</i>	0	0
5	131877751	<i>IL5</i>	1	1
3	3131972	<i>IL5RA</i>	0	2
7	22767134	<i>IL6</i>	0	0

1	154407515	<i>IL6R</i>	1	0
5	55253046	<i>IL6ST</i>	0	0
8	79645920	<i>IL7</i>	0	0
5	35874603	<i>IL7R</i>	0	1
3	121712369	<i>ILDR1</i>	0	1
1	166944515	<i>ILDR2</i>	0	1
19	10798176	<i>ILF3</i>	0	0
11	6631670	<i>ILK</i>	0	1
2	239079567	<i>ILKAP</i>	0	0
19	15234193	<i>ILVBL</i>	0	1
11	31484782	<i>IMMP1L</i>	0	0
7	110303629	<i>IMMP2L</i>	0	0
2	86398419	<i>IMMT</i>	0	0
15	75932195	<i>IMP3</i>	1	0
2	131100510	<i>IMP4</i>	0	1
8	82593018	<i>IMPA1</i>	0	0
18	12028109	<i>IMPA2</i>	0	0
18	22020543	<i>IMPACT</i>	0	0
8	57876391	<i>IMPAD1</i>	0	0
3	49064485	<i>IMPDH2</i>	2	0
6	76660397	<i>IMPG1</i>	0	4
3	100948418	<i>IMPG2</i>	0	1
10	105037853	<i>INA</i>	0	0
1	62582249	<i>INADL</i>	0	2
11	61897395	<i>INCENP</i>	0	0
14	105181660	<i>INF2</i>	0	6
13	111366565	<i>ING1</i>	0	0
2	242648719	<i>ING5</i>	0	0
2	220437225	<i>INHA</i>	0	0
7	41729404	<i>INHBA</i>	0	0
2	121106970	<i>INHBB</i>	0	0
12	57828909	<i>INHBC</i>	0	1
12	57849399	<i>INHBE</i>	0	0
7	30805985	<i>INMT</i>	0	1
15	41352046	<i>INO80</i>	1	0
2	74683382	<i>INO80B</i>	0	0
18	33048584	<i>INO80C</i>	0	1
2	206921436	<i>INO80D</i>	0	0
16	30008117	<i>INO80E</i>	0	0
2	191233944	<i>INPP1</i>	0	0
2	99189330	<i>INPP4A</i>	0	0

4	143044476	<i>INPP4B</i>	0	0
10	134595527	<i>INPP5A</i>	0	0
1	38330035	<i>INPP5B</i>	5	11
9	139325496	<i>INPP5E</i>	0	0
10	121587073	<i>INPP5F</i>	5	32
22	31523973	<i>INPP5J</i>	0	0
17	1399649	<i>INPP5K</i>	0	0
11	71945332	<i>INPPL1</i>	0	0
11	15247308	<i>INSC</i>	1	4
2	118864756	<i>INSIG2</i>	0	0
19	17932138	<i>INSL3</i>	0	1
9	5233700	<i>INSL4</i>	1	0
1	67263819	<i>INSL5</i>	0	0
9	5185468	<i>INSL6</i>	0	4
14	36004727	<i>INSM2</i>	0	0
19	7267546	<i>INSR</i>	0	0
1	156819216	<i>INSRR</i>	0	2
7	1516192	<i>INTS1</i>	2	2
8	19677177	<i>INTS10</i>	0	0
4	106613211	<i>INTS12</i>	0	0
17	60005240	<i>INTS2</i>	0	1
1	153743234	<i>INTS3</i>	0	0
11	77671405	<i>INTS4</i>	0	0
11	62417267	<i>INTS5</i>	0	2
13	51957592	<i>INTS6</i>	0	0
1	212184787	<i>INTS7</i>	0	0
8	95869046	<i>INTS8</i>	0	0
8	28651404	<i>INTS9</i>	1	4
4	128564844	<i>INTU</i>	0	1
9	103054941	<i>INVS</i>	0	1
3	49765017	<i>IP6K1</i>	0	0
3	48731861	<i>IP6K2</i>	1	1
6	33690691	<i>IP6K3</i>	3	2
6	154533993	<i>IPCEF1</i>	1	0
5	61770303	<i>IPO11</i>	0	0
1	44426652	<i>IPO13</i>	0	1
14	24652831	<i>IPO4</i>	0	0
13	98655293	<i>IPO5</i>	0	1
12	30809648	<i>IPO8</i>	0	1
1	201824243	<i>IPO9</i>	0	0
1	46184942	<i>IPP</i>	0	0

9	95405048	<i>IPPK</i>	0	0
2	237412343	<i>IQCA1</i>	0	3
3	121500697	<i>IQCB1</i>	0	9
1	32672908	<i>IQCC</i>	3	5
12	113645270	<i>IQCD</i>	0	2
7	2617948	<i>IQCE</i>	3	16
3	51930850	<i>IQCF1</i>	0	0
3	51897137	<i>IQCF2</i>	0	0
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3	51909516	<i>IQCF5</i>	0	0
3	51812691	<i>IQCF6</i>	0	0
3	197616531	<i>IQCG</i>	0	1
15	67652225	<i>IQCH</i>	2	4
16	19800213	<i>IQCK</i>	0	4
15	91025505	<i>IQGAP1</i>	0	1
5	75888658	<i>IQGAP2</i>	1	6
1	156518379	<i>IQGAP3</i>	1	13
3	12942760	<i>IQSEC1</i>	2	8
12	280415	<i>IQSEC3</i>	0	0
7	123104950	<i>IQUB</i>	1	8
6	79577544	<i>IRAK1BP1</i>	0	2
3	10255010	<i>IRAK2</i>	0	3
12	66641557	<i>IRAK3</i>	1	10
12	44180368	<i>IRAK4</i>	0	3
15	78789488	<i>IREB2</i>	0	0
4	185311893	<i>IRF2</i>	0	0
1	234743081	<i>IRF2BP2</i>	0	0
14	77492951	<i>IRF2BPL</i>	0	0
19	50163981	<i>IRF3</i>	1	1
6	407526	<i>IRF4</i>	0	0
7	128587118	<i>IRF5</i>	0	0
1	209963038	<i>IRF6</i>	0	0
11	614471	<i>IRF7</i>	1	0
16	85945231	<i>IRF8</i>	0	0
14	24632603	<i>IRF9</i>	0	0
13	77531361	<i>IRG1</i>	0	0
19	44223073	<i>IRGC</i>	0	1
5	150227778	<i>IRGM</i>	0	1
19	44097438	<i>IRGQ</i>	0	0
2	227660368	<i>IRS1</i>	0	0
13	110435231	<i>IRS2</i>	2	0

5	3600136	<i>IRX1</i>	0	0
5	2748634	<i>IRX2</i>	0	0
16	54319448	<i>IRX3</i>	0	0
5	1880919	<i>IRX4</i>	3	43
16	54967478	<i>IRX5</i>	1	0
16	55361704	<i>IRX6</i>	1	3
1	949837	<i>ISG15</i>	0	4
15	89182702	<i>ISG20</i>	0	0
1	156697056	<i>ISG20L2</i>	0	1
5	50679550	<i>ISL1</i>	0	0
15	76630303	<i>ISL2</i>	0	0
15	74468051	<i>ISLR</i>	0	0
15	74425710	<i>ISLR2</i>	0	0
20	13251325	<i>ISM1</i>	0	0
14	77950765	<i>ISM2</i>	1	0
5	128448557	<i>ISOC1</i>	0	0
19	55967761	<i>ISOC2</i>	0	0
7	16317811	<i>ISPD</i>	1	0
16	71963440	<i>IST1</i>	1	0
22	35481665	<i>ISX</i>	0	0
3	128875770	<i>ISY1</i>	0	0
19	18548739	<i>ISYNA1</i>	0	0
20	33095618	<i>ITCH</i>	0	0
16	47488033	<i>ITFG1</i>	0	0
12	2927364	<i>ITFG2</i>	0	1
5	52216211	<i>ITGA1</i>	0	4
1	145534220	<i>ITGA10</i>	0	2
15	68609690	<i>ITGA11</i>	0	5
5	52353959	<i>ITGA2</i>	1	4
17	42451720	<i>ITGA2B</i>	0	1
17	48153003	<i>ITGA3</i>	0	1
2	182347378	<i>ITGA4</i>	0	1
12	54795863	<i>ITGA5</i>	0	0
2	173352157	<i>ITGA6</i>	0	0
12	56091276	<i>ITGA7</i>	0	6
10	15701034	<i>ITGA8</i>	2	1
3	37544761	<i>ITGA9</i>	0	0
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17	3632768	<i>ITGAE</i>	0	5
16	30500682	<i>ITGAL</i>	0	1
16	31286964	<i>ITGAM</i>	1	1

2	187487160	<i>ITGAV</i>	0	0
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2	9558838	<i>ITGB1BP1</i>	0	0
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17	45376885	<i>ITGB3</i>	0	3
1	63955809	<i>ITGB3BP</i>	0	4
17	73753363	<i>ITGB4</i>	0	2
3	124515455	<i>ITGB5</i>	0	1
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12	53588113	<i>ITGB7</i>	0	1
7	20418864	<i>ITGB8</i>	0	0
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3	52820347	<i>ITIH1</i>	3	4
10	7772035	<i>ITIH2</i>	1	9
3	52833805	<i>ITIH3</i>	0	1
3	52864575	<i>ITIH4</i>	0	0
10	7683991	<i>ITIH5</i>	0	2
5	156665221	<i>ITK</i>	0	0
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1	160922480	<i>ITLN2</i>	0	1
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3	4709039	<i>ITPR1</i>	0	0
12	26755547	<i>ITPR2</i>	0	2
6	33641941	<i>ITPR3</i>	0	4
10	106075677	<i>ITPRIP</i>	1	0
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16	19126011	<i>ITPRIPL2</i>	0	0
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1	152883163	<i>IVL</i>	2	3
1	185267230	<i>IVNS1ABP</i>	0	1
2	128262612	<i>IWS1</i>	0	13
6	150690236	<i>IYD</i>	0	0
19	49247706	<i>IZUMO1</i>	0	0

19	50666377	<i>IZUMO2</i>	0	2
9	24543702	<i>IZUMO3</i>	0	0
19	2098429	<i>IZUMO4</i>	0	0
4	129764078	<i>JADE1</i>	0	0
5	133901934	<i>JADE2</i>	0	0
20	10633237	<i>JAG1</i>	0	0
14	105615544	<i>JAG2</i>	2	0
3	9934912	<i>JAGN1</i>	0	0
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9	5050706	<i>JAK2</i>	0	1
19	17943383	<i>JAK3</i>	1	1
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10	133950732	<i>JAKMIP3</i>	2	5
21	27081723	<i>JAM2</i>	0	0
11	134009730	<i>JAM3</i>	0	2
11	118083635	<i>JAML</i>	1	7
6	15517415	<i>JARID2</i>	0	0
7	27934978	<i>JAZF1</i>	0	0
14	75904698	<i>JDP2</i>	0	0
14	59951267	<i>JKAMP</i>	0	0
10	64968447	<i>JMJD1C</i>	0	0
1	227922363	<i>JMJD4</i>	1	6
17	74721590	<i>JMJD6</i>	0	1
15	42137247	<i>JMJD7</i>	1	5
16	732860	<i>JMJD8</i>	0	1
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20	42815043	<i>JPH2</i>	2	0
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14	24045010	<i>JPH4</i>	0	0
8	143746574	<i>JRK</i>	0	0
11	96124803	<i>JRKL</i>	0	2
19	2255311	<i>JSRP1</i>	2	8
1	153949439	<i>JTB</i>	0	0
19	18391470	<i>JUND</i>	0	0
17	39925841	<i>JUP</i>	0	0
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1	111215749	KCNA3	0	0
11	30033371	KCNA4	0	0
12	5153928	KCNA5	0	0
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21	39671741	KCNJ15	0	0
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19	5144919	KDM4B	0	0
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16	27231740	KDM8	0	0
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8	136659294	KHDRBS3	0	1
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19	6415795	KHSRP	0	1
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17	26946962	KIAA0100	0	1
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8	126075757	KIAA0196	0	0
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4	6860177	KIAA0232	0	0
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1	35921716	KIAA0319L	0	0
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16	15729915	KIAA0430	0	0
16	85109480	KIAA0513	0	0
16	27784454	KIAA0556	1	1
14	58899128	KIAA0586	5	17
17	6511741	KIAA0753	1	2
1	39878708	KIAA0754	0	4
5	93809165	KIAA0825	2	3

7	36366443	KIAA0895	0	1
16	67213950	KIAA0895L	0	0
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22	45593044	KIAA0930	0	0
15	79749140	KIAA1024	1	0
12	105527516	KIAA1033	0	1
1	92642520	KIAA1107	0	0
4	123245602	KIAA1109	1	2
7	141364766	KIAA1147	0	0
4	57180920	KIAA1211	0	0
2	99438487	KIAA1211L	0	0
10	24813585	KIAA1217	0	0
3	128712064	KIAA1257	0	1
10	70775410	KIAA1279	0	2
1	109714635	KIAA1324	0	1
7	86522312	KIAA1324L	0	1
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8	95541459	KIAA1429	1	0
8	12879016	KIAA1456	0	0
10	30318388	KIAA1462	0	0
18	59928809	KIAA1468	0	1
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3	108279609	KIAA1524	0	0
7	138566205	KIAA1549	0	1
11	33564789	KIAA1549L	0	0
12	32134105	KIAA1551	0	6
6	56919547	KIAA1586	1	3
1	180897584	KIAA1614	1	3
22	44761797	KIAA1644	0	0
22	25586662	KIAA1671	0	0
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2	176803119	KIAA1715	0	1
20	36869516	KIAA1755	1	5
1	233489682	KIAA1804	0	1
2	61304271	KIAA1841	0	0
6	111588304	KIAA1919	1	7
9	115248746	KIAA1958	0	1
2	203019451	KIAA2012	1	8
9	5920900	KIAA2026	1	1
2	8919072	KIDINS220	0	1

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9	116859629	<i>KIF12</i>	0	1
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8	28988015	<i>KIF13B</i>	0	1
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3	44872450	<i>KIF15</i>	1	5
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1	21031118	<i>KIF17</i>	0	0
11	28080557	<i>KIF18A</i>	0	2
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17	72347041	<i>KIF19</i>	4	15
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16	29816571	<i>KIF22</i>	0	1
15	69728530	<i>KIF23</i>	0	0
9	34269294	<i>KIF24</i>	3	3
6	168443314	<i>KIF25</i>	0	1
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9	86474227	<i>KIF27</i>	0	6
5	61668355	<i>KIF2A</i>	0	0
17	51902287	<i>KIF2B</i>	0	0
1	45224937	<i>KIF2C</i>	0	0
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2	26203407	<i>KIF3C</i>	0	0
5	154394577	<i>KIF4B</i>	1	3
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2	149679717	<i>KIF5C</i>	0	2
6	39688551	<i>KIF6</i>	2	5
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13	33590965	<i>KL</i>	0	0
4	39450045	<i>KLB</i>	0	1
14	104129136	<i>KLC1</i>	0	0
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19	45853688	<i>KLC3</i>	2	3
6	43029061	<i>KLC4</i>	1	2
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2	10186459	<i>KLF11</i>	0	2
13	74420427	<i>KLF12</i>	0	0
3	126062630	<i>KLF15</i>	0	1
1	44595113	<i>KLF17</i>	0	4
4	38690364	<i>KLF3</i>	0	0
9	110249480	<i>KLF4</i>	0	2
13	73637948	<i>KLF5</i>	0	1
10	3823772	<i>KLF6</i>	0	0
2	207988985	<i>KLF7</i>	0	0
9	73027905	<i>KLF9</i>	0	0
14	50177049	<i>KLHDC1</i>	0	2
14	50246384	<i>KLHDC2</i>	0	0
16	87788836	<i>KLHDC4</i>	2	3
1	18809506	<i>KLHDC7A</i>	0	0
22	50988193	<i>KLHDC7B</i>	0	0
1	205308479	<i>KLHDC8A</i>	0	0
3	49212350	<i>KLHDC8B</i>	0	0
1	161069984	<i>KLHDC9</i>	1	3
13	70549894	<i>KLHL1</i>	0	0
17	40001365	<i>KLHL10</i>	1	0
17	40010016	<i>KLHL11</i>	0	1
1	202894301	<i>KLHL12</i>	0	0
18	30260505	<i>KLHL14</i>	0	1
1	897397	<i>KLHL17</i>	1	3
3	47378189	<i>KLHL18</i>	0	0

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1	6655530	KLHL21	0	0
22	20800913	KLHL22	0	0
3	183396894	KLHL24	0	0
15	86312571	KLHL25	0	3
19	18779272	KLHL26	0	0
14	45414811	KLHL28	0	0
2	23730020	KLHL29	0	0
5	136973077	KLHL3	0	0
2	239050033	KLHL30	1	3
6	53519453	KLHL31	0	0
6	97489421	KLHL32	0	0
14	20898092	KLHL33	2	10
11	75134735	KLHL35	0	0
16	84691463	KLHL36	0	0
8	124663895	KLHL38	0	2
3	42730123	KLHL40	1	3
2	170367151	KLHL41	0	0
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4	39105016	KLHL5	0	1
3	183212026	KLHL6	1	0
7	23195602	KLHL7	0	2
4	88116545	KLHL8	0	0
9	21333026	KLHL9	0	1
19	51323657	KLK1	0	1
19	51518155	KLK10	0	0
19	51528888	KLK11	0	1
19	51532399	KLK12	0	0
19	51561900	KLK13	1	0
19	51582090	KLK14	0	0
19	51329967	KLK15	0	0
19	51381793	KLK2	0	0
19	51361381	KLK3	1	0
19	51412013	KLK4	0	0
19	51453269	KLK5	0	0
19	51466771	KLK6	0	0
19	51485657	KLK7	0	0
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19	51507020	KLK9	1	0
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10	89621863	KLLN	0	8

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12	10588418	<i>KLRC2</i>	0	0
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12	9994490	<i>KLRF1</i>	0	0
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1	241718968	<i>KMO</i>	1	1
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7	151884369	<i>KMT2C</i>	0	1
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7	104753483	<i>KMT2E</i>	0	2
12	123879679	<i>KMT5A</i>	0	0
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3	186435370	<i>KNG1</i>	2	0
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15	40685423	<i>KNSTRN</i>	1	2
12	123026607	<i>KNTC1</i>	1	2
3	122168465	<i>KPNA1</i>	0	1
17	66039456	<i>KPNA2</i>	0	1
13	50293961	<i>KPNA3</i>	0	0
6	117045491	<i>KPNA5</i>	0	0
1	32623920	<i>KPNA6</i>	0	0
7	98775687	<i>KPNA7</i>	0	2
17	45747124	<i>KPNB1</i>	0	0
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19	47983633	<i>KPTN</i>	0	3
12	25368462	<i>KRAS</i>	0	0
17	8272626	<i>KRBA2</i>	0	0
2	88327387	<i>KRCC1</i>	0	0
22	29536360	<i>KREMEN1</i>	0	1
16	3016978	<i>KREMEN2</i>	0	1
19	10676537	<i>KRI1</i>	0	1
7	91852221	<i>KRIT1</i>	0	1
12	75895596	<i>KRR1</i>	0	4
12	53070985	<i>KRT1</i>	0	0
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17	39661604	KRT13	0	1
17	39674956	KRT15	0	1
17	39680718	KRT19	0	0
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17	39034402	KRT20	0	0
17	38816385	KRT222	0	1
17	39092709	KRT23	0	1
17	38854564	KRT24	1	5
17	38910112	KRT25	0	0
17	38928256	KRT26	0	1
17	38933388	KRT27	0	0
17	38955951	KRT28	0	8
12	53186088	KRT3	2	4
17	39550310	KRT31	0	1
17	39623496	KRT32	0	1
17	39502398	KRT33A	0	0
17	39521800	KRT33B	0	0
17	39537395	KRT34	0	0
17	39637093	KRT35	0	0
17	39643934	KRT36	2	7
17	39580491	KRT37	0	0
17	39593672	KRT38	0	3
17	39122797	KRT39	0	2
12	53202161	KRT4	0	1
17	39140221	KRT40	0	1
12	52913678	KRT5	2	1
12	52885344	KRT6A	0	0
12	52636874	KRT7	0	0
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12	52994990	KRT72	0	0
12	53002163	KRT73	1	0
12	52964608	KRT74	3	5
12	52824493	KRT75	1	2
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12	53096949	KRT77	4	42
12	53241883	KRT78	0	1
12	53227803	KRT79	0	1
12	52565322	KRT80	0	0
12	52680032	KRT81	0	0
12	52793874	KRT82	4	19
12	52708517	KRT83	5	23

12	52773702	KRT84	0	0
12	52755287	KRT85	0	0
17	39723729	KRT9	0	0
17	39186175	KRTAP1	0	0
21	45994843	KRTAP10	0	2
21	32253629	KRTAP11	0	0
21	46086718	KRTAP12	0	0
21	31802880	KRTAP13	1	2
17	39465284	KRTAP16	0	2
21	32410640	KRTAP19	0	0
21	31992953	KRTAP20	0	1
21	32119503	KRTAP21	3	10
21	31962582	KRTAP22	0	0
21	31654809	KRTAP24	0	8
21	31691973	KRTAP26	0	0
21	31709731	KRTAP27	3	6
17	39458772	KRTAP29	0	0
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11	1629259	KRTAP5	0	7
21	31964916	KRTAP6	3	2
2	27666842	KRTCAP3	1	3
17	25932609	KSR1	0	1
12	118020136	KSR2	0	0
1	52498570	KTI12	0	3
14	56150858	KTN1	0	1
3	134329075	KY	0	0
2	143798002	KYNU	1	0
1	62676651	L1TD1	1	4
14	50735947	L2HGDH	0	0
14	59942850	L3HYPDH	0	1
20	42158908	L3MBTL1	0	2
22	41605776	L3MBTL2	0	1
6	130455065	L3MBTL3	1	0
18	6239821	L3MBTL4	0	3
13	44455169	LACC1	1	0
6	108687502	LACE1	0	0
12	55025610	LACRT	0	1
15	63421761	LACTB	0	0
8	71550144	LACTB2	0	0
1	201355652	LAD1	0	0

12	6884701	<i>LAG3</i>	1	1
19	54876394	<i>LAIR1</i>	0	0
19	55014084	<i>LAIR2</i>	0	0
12	48962950	<i>LALBA</i>	0	0
18	6943342	<i>LAMA1</i>	1	2
6	129748945	<i>LAMA2</i>	1	6
18	21441568	<i>LAMA3</i>	0	1
6	112451146	<i>LAMA4</i>	0	4
20	60886078	<i>LAMA5</i>	2	5
7	107603431	<i>LAMB1</i>	2	2
3	49158984	<i>LAMB2</i>	2	3
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7	107703279	<i>LAMB4</i>	0	5
1	183096425	<i>LAMC1</i>	1	0
1	183208548	<i>LAMC2</i>	1	0
9	133960999	<i>LAMC3</i>	1	3
13	113965036	<i>LAMP1</i>	0	1
3	182853605	<i>LAMP3</i>	0	0
20	9496910	<i>LAMP5</i>	0	1
11	71808835	<i>LAMTOR1</i>	0	0
7	99747130	<i>LAMTOR4</i>	0	0
1	110950282	<i>LAMTOR5</i>	0	0
2	211299206	<i>LANCL1</i>	0	0
7	55468890	<i>LANCL2</i>	0	0
4	17606287	<i>LAP3</i>	0	2
2	20234752	<i>LAPTM4A</i>	0	0
8	98828408	<i>LAPTM4B</i>	9	90
1	31211894	<i>LAPTM5</i>	0	0
22	34022217	<i>LARGE</i>	0	0
5	154188146	<i>LARP1</i>	0	1
4	129098003	<i>LARP1B</i>	0	2
12	50824303	<i>LARP4</i>	1	0
10	909768	<i>LARP4B</i>	0	0
15	71144038	<i>LARP6</i>	0	1
4	113568544	<i>LARP7</i>	0	1
5	145509632	<i>LARS</i>	2	0
3	45436101	<i>LARS2</i>	0	0
17	37075035	<i>LASP1</i>	0	4
16	28997238	<i>LAT</i>	0	0
7	73636018	<i>LAT2</i>	0	0
6	150005615	<i>LATS1</i>	0	0

13	21557436	LATS2	0	0
1	203743128	LAX1	0	2
11	111420399	LAYN	0	0
11	62430601	LBHD1	0	1
20	36992702	LBP	0	5
1	225609788	LBR	0	3
10	102988402	LBX1	0	0
2	74725147	LBX2	0	0
6	80228408	LCA5	0	3
21	40778000	LCA5L	0	3
16	67976552	LCAT	0	1
1	152671436	LCE2A	0	0
1	152681680	LCE4A	0	0
1	152484260	LCE5A	1	0
2	30863317	LCLAT1	0	0
16	25151563	LCMT1	0	0
15	43622353	LCMT2	1	5
9	139848170	LCN12	0	0
9	139658238	LCN15	0	0
9	130915352	LCN2	0	0
9	139640285	LCN6	2	0
9	139649934	LCN8	0	0
9	138557714	LCN9	0	1
10	98715545	LCOR	0	0
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13	46708313	LCP1	0	0
5	169683580	LCP2	1	1
2	136590665	LCT	0	1
15	66845553	LCTL	0	2
2	20989042	LDAH	0	1
10	103869446	LDB1	0	0
10	88476460	LDB3	1	0
11	18418532	LDHA	2	5
11	18487305	LDHAL6A	0	0
15	59499274	LDHAL6B	0	0
12	21799952	LDHB	0	0
11	18434282	LDHC	0	0
16	75147671	LDHD	0	0
19	11227689	LDLR	0	0
1	54483792	LDLRAD1	0	1
11	36250755	LDLRAD3	0	0

18	13645443	<i>LDLRAD4</i>	0	0
1	25881398	<i>LDLRAP1</i>	0	1
22	44893302	<i>LDOC1L</i>	0	0
13	53282749	<i>LECT1</i>	1	0
5	135287029	<i>LECT2</i>	0	0
4	109086269	<i>LEF1</i>	0	1
1	226074563	<i>LEFTY1</i>	0	0
3	156729260	<i>LEKR1</i>	1	0
1	153177240	<i>LELP1</i>	0	0
1	205353467	<i>LEMD1</i>	1	5
6	33744814	<i>LEMD2</i>	0	0
12	65634028	<i>LEMD3</i>	0	0
19	54660654	<i>LENG1</i>	0	2
19	54967212	<i>LENG8</i>	0	0
19	54973618	<i>LENG9</i>	0	2
15	52230351	<i>LEO1</i>	0	0
1	66087156	<i>LEPR</i>	0	1
4	1821185	<i>LETM1</i>	1	0
8	38262026	<i>LETM2</i>	1	2
12	51442944	<i>LETMD1</i>	0	0
19	40276664	<i>LEUTX</i>	1	0
1	55277514	<i>LEXM</i>	6	18
7	2564849	<i>LFNG</i>	0	0
11	63278516	<i>LGALS12</i>	0	2
19	40095908	<i>LGALS13</i>	0	0
19	40196650	<i>LGALS14</i>	0	0
22	37967870	<i>LGALS2</i>	0	0
14	55605036	<i>LGALS3</i>	3	0
17	76968036	<i>LGALS3BP</i>	1	4
19	39303133	<i>LGALS4</i>	0	0
1	236706913	<i>LGALS8</i>	1	4
2	64685451	<i>LGALSL</i>	0	0
10	95553013	<i>LGI1</i>	0	0
4	25030182	<i>LGI2</i>	0	1
8	22012092	<i>LGI3</i>	0	0
19	35616315	<i>LGI4</i>	0	0
14	93179184	<i>LGMN</i>	0	0
11	27405884	<i>LGR4</i>	0	0
12	71978131	<i>LGR5</i>	0	3
1	202287966	<i>LGR6</i>	0	2
6	63990094	<i>LGSN</i>	0	0

2	48948856	LHCGR	0	0
5	77784738	LHFPL2	0	0
7	103969327	LHFPL3	0	1
6	35782363	LHFPL5	0	2
10	126186866	LHPP	0	0
17	35300152	LHX1	0	0
9	126777695	LHX2	0	0
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1	180243420	LHX4	0	1
12	113906007	LHX5	0	0
9	124979453	LHX6	0	0
1	75609650	LHX8	0	0
1	197881698	LHX9	0	0
4	39462478	LIAS	0	2
5	38484860	LIFR	0	1
19	48621041	LIG1	1	0
17	33326842	LIG3	0	1
13	108860878	LIG4	0	5
19	55106167	LILRA1	0	0
19	55087296	LILRA2	1	3
19	54802745	LILRA3	0	4
19	54848368	LILRA4	0	1
19	54824294	LILRA5	0	0
19	55143958	LILRB1	0	0
19	54783788	LILRB2	0	0
19	54723729	LILRB3	1	0
19	55175740	LILRB4	0	0
19	54758724	LILRB5	1	2
19	51890512	LIM2	2	1
12	50627910	LIMA1	0	0
4	41673609	LIMCH1	0	1
3	45677597	LIMD1	0	0
17	61775990	LIMD2	0	0
20	62368966	LIME1	1	4
7	73521469	LIMK1	0	0
22	31669419	LIMK2	0	0
2	109223729	LIMS1	0	6
2	128412087	LIMS2	0	2
1	26752763	LIN28A	0	0
6	105526501	LIN28B	0	1
19	36244987	LIN37	0	1

4	83905398	LIN54	0	0
19	49618540	LIN7B	0	0
11	27520274	LIN7C	0	0
1	226475508	LIN9	0	0
15	77907364	LINGO1	0	0
9	27949848	LINGO2	0	0
19	2291125	LINGO3	0	0
1	151773504	LINGO4	1	0
15	101113884	LINS1	1	1
10	91007339	LIPA	2	0
15	58840557	LIPC	0	1
19	42914720	LIPE	2	0
10	90427111	LIPF	0	1
18	47107779	LIPG	0	0
3	185234918	LIPH	0	0
21	15524950	LIPJ	0	1
10	90356086	LIPK	0	2
10	90492201	LIPK	1	3
10	90576592	LIPM	3	18
10	90530700	LIPN	2	4
2	99779269	LIPT1	0	1
11	74203186	LIPT2	0	0
16	11650408	LITAF	0	1
5	96478219	LIX1	0	1
17	18144116	LLGL1	0	0
17	73560524	LLGL2	0	1
12	66517786	LLPH	3	14
18	57006091	LMAN1	0	1
15	75113023	LMAN1L	0	1
5	176765523	LMAN2	0	0
7	156554820	LMBR1	1	4
12	49499751	LMBR1L	0	4
6	70506791	LMBRD1	0	6
5	36110113	LMBRD2	1	0
3	8578916	LMCD1	0	0
16	1004605	LMF1	1	1
22	50943004	LMF2	0	1
3	197762727	LMLN	0	2
1	156108574	LMNA	0	0
5	126156719	LMNB1	0	0
19	2430955	LMNB2	0	0

12	25656690	<i>LMNTD1</i>	8	25
11	556857	<i>LMNTD2</i>	2	3
13	76427410	<i>LMO7</i>	0	11
1	201869716	<i>LMOD1</i>	0	1
7	123302975	<i>LMOD2</i>	0	2
3	69169038	<i>LMOD3</i>	0	0
7	97800848	<i>LMTK2</i>	0	0
19	49016390	<i>LMTK3</i>	0	0
9	129458161	<i>LMX1B</i>	0	0
5	96350710	<i>LNPEP</i>	0	0
4	54362475	<i>LNK1</i>	0	5
13	28143227	<i>LNK2</i>	0	1
2	220362899	<i>LOC100996693</i>	0	0
21	44590683	<i>LOC102724652</i>	0	0
21	15984982	<i>LOC388813</i>	0	0
7	155757353	<i>LOC389602</i>	1	0
3	10049263	<i>LOC401052</i>	0	0
11	125366515	<i>LOC403312</i>	1	0
2	14775312	<i>LOC653602</i>	0	1
16	20833109	<i>LOC81691</i>	0	5
19	5692211	<i>LONP1</i>	1	0
16	48333635	<i>LONP2</i>	1	3
8	12594467	<i>LONRF1</i>	0	0
2	100916258	<i>LONRF2</i>	0	0
1	153234295	<i>LOR</i>	0	0
5	121413208	<i>LOX</i>	0	0
18	44087529	<i>LOXHD1</i>	1	7
15	74239525	<i>LOXL1</i>	0	0
8	23217723	<i>LOXL2</i>	0	0
2	74761257	<i>LOXL3</i>	1	0
10	100015389	<i>LOXL4</i>	3	1
6	160969592	<i>LPA</i>	0	3
19	19737830	<i>LPAR2</i>	0	0
12	6730136	<i>LPAR5</i>	0	0
13	48985639	<i>LPAR6</i>	0	1
5	1488516	<i>LPCAT1</i>	0	1
16	55562355	<i>LPCAT2</i>	0	0
12	7090193	<i>LPCAT3</i>	1	0
15	34655056	<i>LPCAT4</i>	0	0
1	211952287	<i>LPGAT1</i>	0	0
2	11911495	<i>LPIN1</i>	0	2

18	2924549	<i>LPIN2</i>	0	0
20	39985811	<i>LPIN3</i>	3	3
8	19796972	<i>LPL</i>	0	1
17	56345295	<i>LPO</i>	1	11
3	188327189	<i>LPP</i>	1	1
11	58295107	<i>LPXN</i>	0	0
4	155670222	<i>LRAT</i>	0	0
4	151817535	<i>LRBA</i>	0	1
13	47255902	<i>LRCH1</i>	0	0
3	197541786	<i>LRCH3</i>	2	2
7	100175473	<i>LRCH4</i>	0	1
6	40360492	<i>LRFN2</i>	0	0
19	36430627	<i>LRFN3</i>	0	0
11	66627225	<i>LRFN4</i>	0	0
14	42360932	<i>LRFN5</i>	0	0
19	4538780	<i>LRG1</i>	0	1
7	133932357	<i>LRGUK</i>	0	0
1	111492539	<i>LRIF1</i>	0	0
3	66512866	<i>LRIG1</i>	0	21
1	113653090	<i>LRIG2</i>	0	2
12	59282648	<i>LRIG3</i>	0	1
10	86001064	<i>LRIT1</i>	2	1
10	85981807	<i>LRIT2</i>	2	4
4	110773108	<i>LRIT3</i>	3	0
12	25254246	<i>LRMP</i>	0	1
12	57539116	<i>LRP1</i>	0	1
14	23341951	<i>LRP10</i>	0	0
6	150174278	<i>LRP11</i>	0	0
8	105511684	<i>LRP12</i>	0	0
2	142238106	<i>LRP1B</i>	0	1
2	170026231	<i>LRP2</i>	0	4
4	186299335	<i>LRP2BP</i>	0	0
19	33696136	<i>LRP3</i>	0	2
11	46918529	<i>LRP4</i>	0	0
11	68177498	<i>LRP5</i>	0	0
22	25755925	<i>LRP5L</i>	1	2
12	12397432	<i>LRP6</i>	0	0
1	53792651	<i>LRP8</i>	0	0
4	3519917	<i>LRPAP1</i>	0	0
2	44153082	<i>LRPPRC</i>	0	3
14	50074135	<i>LRR1</i>	0	6

6	53764595	<i>LRRC1</i>	0	0
12	70004217	<i>LRRC10</i>	0	1
8	145746520	<i>LRRC14</i>	2	0
5	192334	<i>LRRC14B</i>	1	0
3	194080459	<i>LRRC15</i>	0	0
6	25520538	<i>LRRC16A</i>	0	1
14	24530225	<i>LRRC16B</i>	0	1
7	102575003	<i>LRRC17</i>	0	1
10	50121511	<i>LRRC18</i>	0	0
9	26998090	<i>LRRC19</i>	0	0
3	46571463	<i>LRRC2</i>	0	0
12	7022085	<i>LRRC23</i>	0	0
8	145748702	<i>LRRC24</i>	0	1
19	18502861	<i>LRRC25</i>	0	0
10	134161684	<i>LRRC27</i>	1	3
15	99901553	<i>LRRC28</i>	0	2
16	67241545	<i>LRRC29</i>	3	18
21	45876716	<i>LRRC3</i>	1	1
18	7231855	<i>LRRC30</i>	0	1
3	169558025	<i>LRRC31</i>	0	0
11	76372058	<i>LRRC32</i>	0	0
3	169514079	<i>LRRC34</i>	2	1
16	67401356	<i>LRRC36</i>	0	1
17	30377027	<i>LRRC37B</i>	0	1
1	13802428	<i>LRRC38</i>	1	4
1	100623840	<i>LRRC39</i>	0	2
7	127669400	<i>LRRC4</i>	0	0
1	70611497	<i>LRRC40</i>	3	1
1	46751215	<i>LRRC41</i>	0	0
1	54427995	<i>LRRC42</i>	0	3
12	122684859	<i>LRRC43</i>	0	2
17	79985337	<i>LRRC45</i>	0	2
17	45913759	<i>LRRC46</i>	1	5
1	3703578	<i>LRRC47</i>	0	0
15	71341780	<i>LRRC49</i>	0	0
19	51021878	<i>LRRC4B</i>	0	0
11	40137246	<i>LRRC4C</i>	0	0
1	165532914	<i>LRRC52</i>	0	1
11	56954768	<i>LRRC55</i>	2	8
11	551229	<i>LRRC56</i>	0	3
3	120053877	<i>LRRC58</i>	2	0

17	48470190	<i>LRRC59</i>	0	0
8	133637659	<i>LRRC6</i>	2	1
7	150034065	<i>LRRC61</i>	0	0
13	46802177	<i>LRRC63</i>	0	0
4	52861550	<i>LRRC66</i>	2	3
8	92213031	<i>LRRC69</i>	1	0
1	70502212	<i>LRRC7</i>	0	0
5	61876773	<i>LRRC70</i>	2	1
1	156902678	<i>LRRC71</i>	5	12
7	16598548	<i>LRRC72</i>	0	0
14	77318751	<i>LRRC74A</i>	1	0
22	21409405	<i>LRRC74B</i>	0	1
17	16342978	<i>LRRC75A</i>	0	2
22	24984215	<i>LRRC75B</i>	0	2
9	131669572	<i>LRRC8A</i>	0	1
1	90048782	<i>LRRC8B</i>	0	0
1	90179350	<i>LRRC8C</i>	0	1
1	90399104	<i>LRRC8D</i>	0	0
19	7965669	<i>LRRC8E</i>	0	0
8	86057769	<i>LRRCC1</i>	1	5
7	91793287	<i>LRRD1</i>	0	9
2	238678650	<i>LRRFIP1</i>	1	2
3	37100359	<i>LRRFIP2</i>	1	5
12	85554492	<i>LRRIQ1</i>	0	7
1	74621374	<i>LRRIQ3</i>	0	4
3	169539955	<i>LRRIQ4</i>	0	0
15	101593546	<i>LRRK1</i>	0	1
12	40760894	<i>LRRK2</i>	4	2
3	3888101	<i>LRRN1</i>	0	0
1	204587687	<i>LRRN2</i>	0	0
7	110762930	<i>LRRN3</i>	0	0
20	6021848	<i>LRRN4</i>	0	0
2	80530198	<i>LRRTM1</i>	0	0
5	138209404	<i>LRRTM2</i>	0	0
10	68857397	<i>LRRTM3</i>	0	1
2	77745903	<i>LRRTM4</i>	0	0
9	130230038	<i>LRSAM1</i>	0	0
3	54952644	<i>LRTM1</i>	1	14
12	1940450	<i>LRTM2</i>	0	0
11	71804714	<i>LRTOMT</i>	3	30
7	102106639	<i>LRWD1</i>	0	1

3	194373734	LSG1	0	0
19	34710702	LSM14A	0	0
20	60708472	LSM14B	0	0
7	112129950	LSMEM1	0	0
3	50324537	LSMEM2	0	1
11	1905557	LSP1	3	8
19	35753552	LSR	3	8
21	47630632	LSS	0	0
12	96422898	LTA4H	0	4
14	24784930	LTB4R	0	0
14	24780398	LTB4R2	3	0
2	33614336	LTBP1	0	2
14	74978010	LTBP2	1	1
11	65306717	LTBP3	0	1
12	6495275	LTBR	0	0
5	179222649	LTC4S	3	16
3	46491431	LTF	1	2
15	41799325	LTK	4	15
21	30330814	LTN1	2	3
6	144165695	LTV1	1	6
16	240021	LUC7L	0	0
7	139045004	LUC7L2	0	0
17	48819020	LUC7L3	0	0
12	91502280	LUM	0	0
1	46685405	LURAP1	0	0
9	12821695	LURAP1L	0	0
1	23418505	LUZP1	0	1
11	24759780	LUZP2	0	0
5	115298848	LVRN	5	26
3	158390222	LXN	3	1
8	143867932	LY6D	0	1
8	144102882	LY6E	0	0
8	144239796	LY6H	0	0
8	143781910	LY6K	1	6
2	160690690	LY75	4	13
6	6589033	LY86	0	0
1	160769617	LY9	1	7
8	74917084	LY96	0	0
4	4269625	LYAR	1	1
2	99912148	LYG1	2	12
2	99860573	LYG2	0	3

8	56858995	LYN	0	0
8	143856699	LYNX1	0	1
8	143832509	LYPD2	0	0
19	43966001	LYPD3	0	2
19	42342223	LYPD4	0	0
19	44306531	LYPD5	0	2
2	150294280	LYPD6	0	1
2	150061842	LYPD6B	0	0
1	219347288	LYPLAL1	1	2
16	20927036	LYRM1	1	1
12	25357069	LYRM5	0	1
5	130522701	LYRM7	0	0
1	151134316	LYSMD1	1	0
15	52017196	LYSMD2	0	0
5	89815108	LYSMD3	0	1
15	100272083	LYSMD4	1	1
1	235884134	LYST	0	1
11	10582104	LYVE1	0	1
12	69743976	LYZ	1	0
10	29599972	LYZL1	0	0
3	42448408	LYZL4	0	0
17	34261788	LYZL6	0	1
1	9991959	LZIC	0	1
3	45869985	LZTFL1	0	2
22	21349220	LZTR1	0	4
8	20110932	LZTS1	0	0
10	102763509	LZTS2	0	0
20	3146929	LZTS3	0	0
2	74789392	M1AP	3	13
3	119428722	MAATS1	0	2
13	36050021	MAB21L1	0	0
4	151504652	MAB21L2	0	0
1	116675881	MAB21L3	1	1
7	20201376	MACC1	0	0
1	39812792	MACF1	0	1
11	63767158	MACROD1	0	0
20	14474095	MACROD2	0	0
7	2020296	MAD1L1	1	0
6	43607890	MAD2L1BP	0	1
19	501810	MADCAM1	0	21
11	47303959	MADD	1	2

4	1330759	MAEA	0	0
1	166990406	MAEL	0	0
19	35786715	MAG	0	1
3	184428904	MAGEF1	1	4
15	23890004	MAGEL2	0	0
3	66023891	MAGI1	0	0
7	77708259	MAGI2	0	1
1	114165459	MAGI3	0	1
6	10804079	MAK	0	1
2	95713799	MAL	0	0
10	19820255	MALRD1	2	4
7	23339133	MALSU1	0	1
18	56383137	MALT1	1	1
9	72758570	MAMDC2	0	1
9	139748043	MAMDC4	4	15
5	179193385	MAML1	0	0
11	95825755	MAML2	0	0
4	140640765	MAML3	0	0
19	49218602	MAMSTR	0	1
6	119669706	MAN1A1	0	0
1	118057463	MAN1A2	0	0
9	139992275	MAN1B1	0	1
1	26109153	MAN1C1	0	2
5	109190979	MAN2A1	0	1
15	91448733	MAN2A2	3	5
19	12774561	MAN2B1	0	1
4	6578396	MAN2B2	0	0
15	75649005	MAN2C1	1	2
4	103556008	MANBA	1	2
6	96053678	MANEA	0	0
1	38265622	MANEAL	0	2
3	51426406	MANF	0	0
12	12483377	MANSC1	1	5
12	27915718	MANSC4	0	0
1	232941390	MAP10	1	3
15	43820717	MAP1A	0	1
5	71495344	MAP1B	0	0
16	87432452	MAP1LC3B	0	0
1	242162134	MAP1LC3C	0	1
19	17838287	MAP1S	0	0
2	210558134	MAP2	0	0

17	21201777	MAP2K3	1	3
15	67985907	MAP2K5	0	1
19	7976127	MAP2K7	1	0
5	56174854	MAP3K1	0	0
19	40710446	MAP3K10	0	0
11	65366899	MAP3K11	0	0
12	53876570	MAP3K12	0	0
3	185165676	MAP3K13	0	0
2	135744369	MAP3K19	0	4
2	128083294	MAP3K2	0	0
17	61770954	MAP3K3	0	0
6	161530816	MAP3K4	0	0
6	136904783	MAP3K5	0	0
1	27689476	MAP3K6	1	2
6	91228963	MAP3K7	0	0
21	30464866	MAP3K7CL	0	0
10	30748204	MAP3K8	0	0
14	71201206	MAP3K9	0	1
3	47912703	MAP4	0	1
19	39108500	MAP4K1	0	0
11	64564541	MAP4K2	0	2
2	39485589	MAP4K3	0	0
2	102452352	MAP4K4	0	0
14	50929366	MAP4K5	0	0
11	75299022	MAP6	0	1
6	136682269	MAP7	0	2
1	36640542	MAP7D1	0	1
4	156274377	MAP9	0	2
22	50703850	MAPK11	0	0
22	50694297	MAPK12	0	1
6	36106711	MAPK13	0	8
6	36044300	MAPK14	0	0
8	144801069	MAPK15	2	7
14	55528419	MAPK1IP1L	0	0
16	30128167	MAPK3	0	0
18	48255702	MAPK4	0	18
15	52353498	MAPK6	0	0
17	19285248	MAPK7	0	0
10	49628257	MAPK8	0	0
11	45924221	MAPK8IP1	0	0
16	1797272	MAPK8IP3	0	1

5	179666872	MAPK9	0	0
9	128246786	MAPKAP1	0	0
1	206902829	MAPKAPK2	0	0
3	50685433	MAPKAPK3	0	2
12	112303062	MAPKAPK5	0	0
15	42105918	MAPKBP1	0	0
18	32585440	MAPRE2	4	7
1	220971395	MARC1	2	0
1	220928334	MARC2	0	0
4	164507003	MARCH1	0	0
17	60814265	MARCH10	3	4
5	126253795	MARCH3	0	0
2	217124251	MARCH4	0	0
5	10430114	MARCH6	0	0
2	160623867	MARCH7	0	0
10	45958946	MARCH8	0	1
12	58152351	MARCH9	0	0
1	32800351	MARCKSL1	0	0
2	119739063	MARCO	0	2
1	220808735	MARK1	0	0
11	63668311	MARK2	0	0
14	103923475	MARK3	0	0
19	45774804	MARK4	0	0
12	57910096	MARS	1	4
2	198570678	MARS2	0	1
5	68736369	MARVELD2	0	0
16	71674578	MARVELD3	0	0
6	160328707	MAS1	0	0
3	186974548	MASP1	1	5
1	11105045	MASP2	5	1
19	12958229	MAST1	0	1
1	46425142	MAST2	0	4
19	18255895	MAST3	0	0
5	66259550	MAST4	0	3
10	27459319	MASTL	0	2
5	162930438	MAT2B	0	1
19	3778388	MATK	1	0
1	31191628	MATN1	0	1
8	99028838	MATN2	0	5
2	20205680	MATN3	0	2
20	43922472	MATN4	3	6

5	138652738	<i>MATR3</i>	0	0
19	19456169	<i>MAU2</i>	0	0
20	3846397	<i>MAVS</i>	0	3
14	65550858	<i>MAX</i>	0	0
16	29818691	<i>MAZ</i>	0	0
6	74138497	<i>MB21D1</i>	0	0
3	192516430	<i>MB21D2</i>	0	1
18	47799090	<i>MBD1</i>	0	0
19	1578400	<i>MBD3</i>	0	0
3	129155670	<i>MBD4</i>	0	2
2	149247248	<i>MBD5</i>	0	0
12	57921711	<i>MBD6</i>	0	0
14	36777286	<i>MBIP</i>	0	2
10	54527981	<i>MBL2</i>	0	0
7	99725631	<i>MBLAC1</i>	0	1
5	89757201	<i>MBLAC2</i>	0	2
13	98009031	<i>MBNL2</i>	0	0
6	20109846	<i>MBOAT1</i>	1	0
2	8998871	<i>MBOAT2</i>	0	0
8	29989564	<i>MBOAT4</i>	0	1
19	54678077	<i>MBOAT7</i>	0	0
18	74778312	<i>MBP</i>	0	0
17	49281133	<i>MBTD1</i>	0	0
16	84132743	<i>MBTPS1</i>	1	1
16	89985750	<i>MC1R</i>	3	12
18	13884884	<i>MC2R</i>	0	0
20	54823944	<i>MC3R</i>	0	0
18	58038977	<i>MC4R</i>	0	3
18	13826433	<i>MC5R</i>	0	2
11	119182078	<i>MCAM</i>	1	0
22	43533219	<i>MCAT</i>	0	1
5	112630006	<i>MCC</i>	0	1
3	182755074	<i>MCCC1</i>	1	1
5	70952645	<i>MCCC2</i>	0	1
2	71351612	<i>MCEE</i>	2	2
19	7743432	<i>MCEMP1</i>	4	14
13	113720476	<i>MCF2L</i>	0	0
3	183145748	<i>MCF2L2</i>	0	2
22	41077734	<i>MCHR1</i>	0	0
6	100390893	<i>MCHR2</i>	0	0
1	150550924	<i>MCL1</i>	0	0

10	13214698	MCM10	0	2
3	127317230	MCM2	0	0
6	52143549	MCM3	0	2
21	47705171	MCM3AP	0	0
8	48887374	MCM4	0	1
22	35796403	MCM5	0	0
2	136626406	MCM6	0	0
7	99697009	MCM7	0	1
20	5953815	MCM8	1	2
6	119149149	MCM9	0	1
10	121596498	MCMBP	0	0
8	67786817	MCMDC2	0	3
19	7594034	MCOLN1	0	0
1	85462511	MCOLN2	0	3
1	85498568	MCOLN3	0	2
8	6303025	MCPH1	0	4
12	49960499	MCRS1	0	0
5	94417194	MCTP1	0	1
15	94899379	MCTP2	5	9
10	74619083	MCU	2	11
6	13800628	MCUR1	0	1
7	114655818	MDFIC	0	0
6	37631863	MDGA1	0	1
14	47311142	MDGA2	0	1
2	207621759	MDH1B	0	0
7	75689765	MDH2	0	1
12	68708976	MDM1	1	1
12	69222634	MDM2	0	0
1	204515942	MDM4	0	0
6	90390411	MDN1	0	2
14	24683267	MDP1	3	1
6	83926273	ME1	8	23
18	48444509	ME2	0	1
11	86159241	ME3	0	0
6	42980709	MEA1	1	0
3	168845664	MECOM	0	2
1	29557272	MECR	0	0
17	37595406	MED1	0	0
3	150845761	MED12L	0	0
17	60060326	MED13	0	1
12	116410044	MED13L	0	0

22	20891488	<i>MED15</i>	0	0
19	873584	<i>MED16</i>	2	7
11	93542951	<i>MED17</i>	0	0
1	28660962	<i>MED18</i>	0	0
6	41877046	<i>MED20</i>	0	0
9	136215055	<i>MED22</i>	0	0
6	131914327	<i>MED23</i>	1	3
17	38185227	<i>MED24</i>	2	2
19	50334725	<i>MED25</i>	0	0
19	16686991	<i>MED26</i>	0	1
19	39882194	<i>MED29</i>	0	0
8	118533235	<i>MED30</i>	0	0
17	6554816	<i>MED31</i>	1	0
13	48657526	<i>MED4</i>	0	0
14	71052531	<i>MED6</i>	1	1
5	156565981	<i>MED7</i>	0	0
1	43855448	<i>MED8</i>	0	0
13	31495835	<i>MEDAG</i>	0	1
15	100246942	<i>MEF2A</i>	0	2
19	19257879	<i>MEF2B</i>	0	1
19	19256547	<i>MEF2BNB</i>	0	0
1	156452373	<i>MEF2D</i>	8	0
16	3299550	<i>MEFV</i>	0	0
5	126776486	<i>MEGF10</i>	0	1
15	66191208	<i>MEGF11</i>	0	2
1	3409272	<i>MEGF6</i>	6	4
19	42830588	<i>MEGF8</i>	2	0
9	123421732	<i>MEGF9</i>	0	0
22	42099442	<i>MEI1</i>	0	3
16	1891903	<i>MEIOB</i>	0	0
17	42751420	<i>MEIOC</i>	0	0
15	37390314	<i>MEIS2</i>	0	0
19	47920085	<i>MEIS3</i>	0	0
9	36597284	<i>MELK</i>	1	0
11	64574581	<i>MEN1</i>	0	0
17	41720886	<i>MEOX1</i>	4	0
7	15725894	<i>MEOX2</i>	10	54
6	46761212	<i>MEP1A</i>	0	0
18	29800245	<i>MEP1B</i>	2	7
7	100031111	<i>MEPCE</i>	0	0
4	88767366	<i>MEPE</i>	0	0

2	112725838	MERTK	0	0
15	81271692	MESDC2	0	0
7	116340167	MET	0	0
4	99982441	METAP1	2	0
2	172935784	METAP1D	0	5
17	81043066	METRNL	0	0
12	58165890	METTL1	1	1
10	126478869	METTL10	0	0
1	170136655	METTL11B	0	1
11	62434319	METTL12	0	0
1	171753386	METTL13	0	0
17	2324092	METTL16	0	0
14	21464934	METTL17	0	1
1	169762675	METTL18	0	0
12	31820856	METTL20	0	0
2	208477802	METTL21A	0	1
12	58174260	METTL21B	0	1
13	103343230	METTL21C	0	0
16	8722642	METTL22	1	0
17	74725788	METTL23	0	1
6	110567212	METTL24	0	3
12	82824729	METTL25	0	1
17	60525139	METTL2A	0	0
14	21971525	METTL3	0	1
18	2547480	METTL4	0	0
2	170668977	METTL5	0	0
3	15457369	METTL6	0	0
12	51319221	METTL7A	0	0
12	56075667	METTL7B	1	2
1	156046917	MEX3A	0	0
15	82337954	MEX3B	0	0
18	48703738	MEX3C	0	0
19	1556675	MEX3D	2	7
5	153433183	MFAP3	0	1
4	170913027	MFAP3L	0	0
17	19288515	MFAP4	0	0
12	8813435	MFAP5	0	0
2	228220478	MFF	9	77
15	89450475	MFGE8	1	0
8	8643582	MFHAS1	0	0
3	196754627	MFI2	0	10

3	179095160	MFN1	0	2
1	12049297	MFN2	0	1
22	37870694	MFNG	0	1
11	119216610	MFRP	0	0
3	158526966	MFSD1	2	20
4	2934920	MFSD10	1	3
17	74738299	MFSD11	1	5
19	3548190	MFSD12	0	6
10	104230587	MFSD13A	0	1
1	100542841	MFSD14A	0	0
9	97209131	MFSD14B	0	2
1	40430940	MFSD2A	0	0
2	24246497	MFSD2B	0	0
8	145736472	MFSD3	0	0
1	205538299	MFSD4	0	0
12	53647114	MFSD5	1	0
2	191301700	MFSD6	0	2
17	8700778	MFSD6L	3	20
4	676640	MFSD7	0	2
4	128854157	MFSD8	1	1
2	103335422	MFSD9	1	0
15	41988768	MGA	0	0
7	141740494	MGAM	1	5
4	140196521	MGARP	0	1
14	50088106	MGAT2	0	0
22	39884771	MGAT3	0	0
2	99271976	MGAT4A	0	0
5	179227178	MGAT4B	0	1
12	86373271	MGAT4C	0	0
2	135099187	MGAT5	0	0
17	74921129	MGAT5B	0	0
10	103567554	MGEA5	0	0
3	127439968	MGLL	0	0
20	17970716	MGME1	0	1
10	131565228	MGMT	0	0
12	15038649	MGP	0	0
16	4714785	MGRN1	1	0
12	16516867	MGST1	0	0
4	140616426	MGST2	0	0
19	41283331	MIA	0	0
14	39706145	MIA2	1	4

1	222802308	<i>MIA3</i>	1	1
18	19358052	<i>MIB1</i>	0	3
1	1563691	<i>MIB2</i>	1	11
6	109767930	<i>MICAL1</i>	1	5
11	12281427	<i>MICAL2</i>	0	4
22	18301134	<i>MICAL3</i>	0	1
11	12315175	<i>MICALCL</i>	1	8
22	38318029	<i>MICALL1</i>	0	0
7	1474791	<i>MICALL2</i>	0	1
10	74311091	<i>MICU1</i>	1	0
13	22088527	<i>MICU2</i>	5	18
8	16939284	<i>MICU3</i>	0	0
19	1251576	<i>MIDN</i>	0	0
22	39910139	<i>MIEF1</i>	1	0
17	18166631	<i>MIEF2</i>	0	0
1	67450295	<i>MIER1</i>	0	0
19	308851	<i>MIER2</i>	0	0
5	56255212	<i>MIER3</i>	0	0
17	73263949	<i>MIF4GD</i>	0	4
1	12082359	<i>MIIP</i>	1	0
3	97673268	<i>MINA</i>	0	0
17	4796268	<i>MINK1</i>	3	10
10	89264723	<i>MINPP1</i>	0	0
7	7645667	<i>MIOS</i>	0	0
22	50928005	<i>MIOX</i>	0	1
12	56847435	<i>MIP</i>	0	0
13	24384075	<i>MIPEP</i>	0	0
14	37777319	<i>MIPOL1</i>	0	1
20	61167658	<i>MIR1</i>	0	0
1	209602684	<i>MIR205HG</i>	0	0
17	5392206	<i>MIS12</i>	0	1
21	33642756	<i>MIS18A</i>	0	1
14	45696037	<i>MIS18BP1</i>	4	24
19	758440	<i>MISP</i>	0	2
3	70014384	<i>MITF</i>	0	0
10	129906928	<i>MKI67</i>	1	1
20	10393289	<i>MKKS</i>	0	1
22	40816523	<i>MKL1</i>	0	0
16	14341009	<i>MKL2</i>	0	0
7	131128450	<i>MKLN1</i>	0	1
1	47034185	<i>MKNK1</i>	0	1

19	2040124	<i>MKNK2</i>	0	1
3	12616357	<i>MKRN2</i>	0	2
15	23811592	<i>MKRN3</i>	0	1
17	56288030	<i>MKS1</i>	0	2
10	27964470	<i>MKX</i>	0	0
9	5892525	<i>MLANA</i>	0	0
22	50512732	<i>MLC1</i>	1	0
3	158317821	<i>MLF1</i>	0	0
12	6861503	<i>MLF2</i>	0	0
3	37056045	<i>MLH1</i>	1	0
14	75505050	<i>MLH3</i>	0	1
6	53989506	<i>MLIP</i>	0	0
16	74716625	<i>MLKL</i>	8	16
19	6216490	<i>MLLT1</i>	0	0
10	22019946	<i>MLLT10</i>	0	0
9	20346570	<i>MLLT3</i>	0	0
6	168226483	<i>MLLT4</i>	0	0
17	36865482	<i>MLLT6</i>	0	0
6	33766918	<i>MLN</i>	0	0
13	49794722	<i>MLNR</i>	0	12
2	238449507	<i>MLPH</i>	0	4
16	2258818	<i>MLST8</i>	0	1
17	40722029	<i>MLX</i>	0	0
12	122618077	<i>MLXIP</i>	0	0
7	73020328	<i>MLXIPL</i>	0	0
16	83945949	<i>MLYCD</i>	0	1
4	146576446	<i>MMAA</i>	1	1
12	109994886	<i>MMAB</i>	1	3
1	45974836	<i>MMACHC</i>	4	8
2	150433009	<i>MMADHC</i>	0	0
7	4955627	<i>MMD2</i>	0	0
3	154856031	<i>MME</i>	1	3
1	2525353	<i>MMEL1</i>	1	5
11	102661521	<i>MMP1</i>	0	3
11	102643718	<i>MMP10</i>	3	14
22	24123092	<i>MMP11</i>	0	1
11	102819916	<i>MMP13</i>	0	1
14	23314993	<i>MMP14</i>	0	0
16	58073968	<i>MMP15</i>	0	0
8	89081770	<i>MMP16</i>	0	0
12	132334460	<i>MMP17</i>	0	0

12	56231003	MMP19	4	6
16	55513487	MMP2	0	0
11	102487665	MMP20	0	0
10	127456150	MMP21	0	2
20	33862305	MMP24	0	1
16	3107590	MMP25	1	3
11	5011939	MMP26	0	0
11	102567207	MMP27	0	2
11	102714259	MMP3	0	1
11	102395661	MMP7	0	1
11	102584176	MMP8	3	10
20	44640207	MMP9	1	3
4	90844383	MMRN1	0	6
10	88705359	MMRN2	0	1
10	99229394	MMS19	0	0
6	97681784	MMS22L	0	1
22	28195715	MN1	0	4
4	154271211	MND1	0	0
1	158815788	MNDA	1	2
15	56736672	MNS1	1	5
17	2291239	MNT	0	0
14	93650172	MOAP1	1	1
2	74399852	MOB1A	0	1
11	1491488	MOB2	0	0
19	2078176	MOB3A	0	0
1	47078904	MOB3C	0	0
18	33793419	MOCOS	1	2
6	39874292	MOCS1	0	0
5	52394407	MOCS2	0	1
20	49576581	MOCS3	0	1
2	223574546	MOGAT1	1	6
11	75442264	MOGAT2	0	0
7	100841549	MOGAT3	0	3
2	74689665	MOGS	1	0
14	102771338	MOK	2	3
3	49949338	MON1A	0	2
16	77232160	MON1B	0	1
12	62918411	MON2	0	0
3	108822748	MORC1	0	1
22	31331256	MORC2	0	0
21	37736438	MORC3	0	0

15	79183409	MORF4L1	0	0
1	2319721	MORN1	0	0
12	122091032	MORN3	0	0
9	124922250	MORN5	0	0
8	57025570	MOS	0	1
7	100210475	MOSPD3	0	1
1	113243096	MOV10	1	0
22	50564618	MOV10L1	1	1
6	132645195	MOXD1	0	2
1	167905028	MPC2	0	1
17	7489122	MPDU1	0	1
9	13205022	MPDZ	2	3
11	58979990	MPEG1	0	0
16	129694	MPG	0	0
2	71361752	MPHOSPH10	0	0
16	82203742	MPHOSPH6	0	0
13	20207945	MPHOSPH8	0	0
12	123706188	MPHOSPH9	0	1
15	75189557	MPI	0	0
1	43818329	MPL	1	8
7	40173852	MPLKIP	0	0
19	4357324	MPND	0	1
17	56350160	MPO	0	14
17	41960634	MPP2	0	1
17	41909344	MPP3	0	1
2	202512471	MPP4	1	4
14	67799523	MPP5	0	0
7	24690277	MPP6	0	0
10	28413952	MPP7	0	0
18	11886739	MPPE1	0	1
22	43870734	MPPED1	0	1
11	30439087	MPPED2	0	0
17	17069105	MPRIP	1	1
11	118134831	MPZL2	2	9
11	118100634	MPZL3	1	3
1	181019313	MR1	0	1
21	33671389	MRAP	0	0
6	84798909	MRAP2	0	0
17	60744833	MRC2	0	0
11	94204808	MRE11A	1	2
2	216810377	MREG	0	0

4	6642641	<i>MRFAP1</i>	0	0
4	6711290	<i>MRFAP1L1</i>	0	0
11	68747691	<i>MRGPRD</i>	0	2
11	3249376	<i>MRGPPE</i>	0	0
11	68773193	<i>MRGPRF</i>	0	0
11	3239926	<i>MRGPRG</i>	1	1
11	19077823	<i>MRGPRX2</i>	0	0
11	18159288	<i>MRGPRX3</i>	0	0
19	13876921	<i>MRI1</i>	0	0
17	34958640	<i>MRM1</i>	0	0
18	48331524	<i>MRO</i>	0	3
8	145234483	<i>MROH1</i>	0	1
2	234707460	<i>MROH2A</i>	2	11
5	41065484	<i>MROH2B</i>	8	45
8	144652480	<i>MROH6</i>	2	0
1	55119649	<i>MROH7</i>	0	3
1	170967370	<i>MROH9</i>	0	2
4	78804510	<i>MRPL1</i>	0	1
17	45901626	<i>MRPL10</i>	0	0
11	66205719	<i>MRPL11</i>	0	0
17	79674106	<i>MRPL12</i>	0	0
8	121457371	<i>MRPL13</i>	0	0
6	44081769	<i>MRPL14</i>	0	1
8	55055361	<i>MRPL15</i>	0	2
11	59573980	<i>MRPL16</i>	0	1
6	160211636	<i>MRPL18</i>	0	0
2	75873999	<i>MRPL19</i>	0	1
6	43022145	<i>MRPL2</i>	0	0
11	68668027	<i>MRPL21</i>	0	0
5	154339587	<i>MRPL22</i>	0	0
11	1973371	<i>MRPL23</i>	1	0
1	156707514	<i>MRPL24</i>	0	1
17	48450514	<i>MRPL27</i>	0	1
16	419614	<i>MRPL28</i>	1	0
3	131219365	<i>MRPL3</i>	0	2
2	99802696	<i>MRPL30</i>	0	0
7	42972111	<i>MRPL32</i>	0	0
19	17417080	<i>MRPL34</i>	0	1
2	86440754	<i>MRPL35</i>	0	0
5	1799001	<i>MRPL36</i>	0	0
1	54683917	<i>MRPL37</i>	0	2

17	73898131	MRPL38	0	0
21	26966276	MRPL39	0	1
19	10370310	MRPL4	0	0
22	19422406	MRPL40	0	0
10	102746345	MRPL43	2	2
2	224822285	MRPL44	0	0
17	36474601	MRPL45	0	4
15	89008087	MRPL46	0	1
3	179320518	MRPL47	1	3
11	73536802	MRPL48	0	0
9	104153013	MRPL50	0	0
12	6601593	MRPL51	0	1
14	23299393	MRPL52	0	0
2	74699778	MRPL53	0	0
19	3765267	MRPL54	0	1
1	228295534	MRPL55	0	0
13	21751164	MRPL57	1	0
1	151735576	MRPL9	0	2
6	42179635	MRPS10	0	0
15	89018377	MRPS11	0	0
19	39423250	MRPS12	0	0
1	36921940	MRPS15	0	5
10	75011726	MRPS16	0	0
6	43640178	MRPS18A	0	0
9	138392827	MRPS2	0	2
3	139069836	MRPS22	0	2
17	55917291	MRPS23	0	0
7	43909045	MRPS24	0	0
3	15094937	MRPS25	0	0
5	71593398	MRPS27	0	0
8	80942451	MRPS28	0	0
5	44809541	MRPS30	0	2
13	41323397	MRPS31	0	0
16	1822294	MRPS34	0	0
12	27908112	MRPS35	0	2
2	95766622	MRPS5	0	0
21	35514795	MRPS6	0	0
17	73258872	MRPS7	0	0
2	105708900	MRPS9	0	3
9	125075629	MRRF	0	0
6	24423255	MRS2	0	1

1	19584987	<i>MRT04</i>	0	0
11	10647898	<i>MRV11</i>	0	3
11	60558467	<i>MS4A10</i>	0	1
11	60264978	<i>MS4A12</i>	2	14
11	60291417	<i>MS4A13</i>	0	1
11	60170462	<i>MS4A14</i>	0	0
11	60535104	<i>MS4A15</i>	0	0
11	59857216	<i>MS4A2</i>	2	10
11	59829991	<i>MS4A3</i>	0	1
11	60068468	<i>MS4A4A</i>	0	0
11	60197173	<i>MS4A5</i>	0	1
11	59940473	<i>MS4A6A</i>	2	7
11	60160157	<i>MS4A7</i>	0	1
11	60470914	<i>MS4A8</i>	0	0
11	124637747	<i>MSANTD2</i>	0	0
9	103334914	<i>MSANTD3</i>	0	2
11	105881543	<i>MSANTD4</i>	0	1
8	72946080	<i>MSC</i>	0	0
2	47630353	<i>MSH2</i>	1	1
5	80057395	<i>MSH3</i>	0	0
1	76356386	<i>MSH4</i>	1	4
2	48033931	<i>MSH6</i>	1	4
12	120785280	<i>MSI1</i>	0	0
17	55693375	<i>MSI2</i>	0	0
17	38287769	<i>MSL1</i>	0	0
3	135870104	<i>MSL2</i>	1	2
16	818555	<i>MSLN</i>	0	1
4	166263047	<i>MSMO1</i>	0	0
9	35753657	<i>MSMP</i>	0	0
8	16012621	<i>MSR1</i>	0	5
8	10285723	<i>MSRA</i>	0	4
10	23408274	<i>MSRB2</i>	0	0
10	75184872	<i>MSS51</i>	3	15
3	49933616	<i>MST1R</i>	1	10
2	190925077	<i>MSTN</i>	0	0
5	174151748	<i>MSX2</i>	1	0
14	105931134	<i>MTA1</i>	0	0
11	62362018	<i>MTA2</i>	0	0
2	42909702	<i>MTA3</i>	0	0
9	21854740	<i>MTAP</i>	0	0
8	121471431	<i>MTBP</i>	0	3

11	47644333	<i>MTCH2</i>	0	1
18	8784511	<i>MTCL1</i>	0	0
8	98699737	<i>MTDH</i>	1	0
7	91503914	<i>MTERF1</i>	1	3
12	107372138	<i>MTERF2</i>	1	0
8	97258106	<i>MTERF3</i>	0	1
2	242041722	<i>MTERF4</i>	0	2
1	38287895	<i>MTF1</i>	0	0
1	93599675	<i>MTF2</i>	0	0
15	65319303	<i>MTFMT</i>	0	2
8	66594687	<i>MTFR1</i>	0	1
1	26152835	<i>MTFR1L</i>	0	1
6	136552492	<i>MTFR2</i>	0	1
10	135213071	<i>MTG1</i>	0	0
20	60774252	<i>MTG2</i>	1	6
14	64902353	<i>MTHFD1</i>	0	1
6	151247299	<i>MTHFD1L</i>	0	0
2	74432958	<i>MTHFD2</i>	0	0
4	75041056	<i>MTHFD2L</i>	0	0
1	11854457	<i>MTHFR</i>	0	1
15	80137560	<i>MTHFS</i>	0	0
16	86565941	<i>MTHFSD</i>	1	2
2	55479689	<i>MTIF2</i>	0	2
13	28014173	<i>MTIF3</i>	1	1
11	68512543	<i>MTL5</i>	0	0
15	31234195	<i>MTMR10</i>	0	0
1	149903139	<i>MTMR11</i>	0	0
5	32230241	<i>MTMR12</i>	0	0
3	9712692	<i>MTMR14</i>	1	1
11	95591684	<i>MTMR2</i>	0	1
22	30416383	<i>MTMR3</i>	0	0
17	56572698	<i>MTMR4</i>	0	0
13	25828471	<i>MTMR6</i>	1	1
8	17162004	<i>MTMR7</i>	0	0
8	11163830	<i>MTMR9</i>	0	1
4	187455533	<i>MTNR1A</i>	0	6
11	92714701	<i>MTNR1B</i>	0	0
6	74191891	<i>MTO1</i>	0	1
1	11199448	<i>MTOR</i>	0	5
10	30629302	<i>MTPAP</i>	0	0
1	236988605	<i>MTR</i>	0	2

13	41808051	<i>MTRF1</i>	0	2
5	7875375	<i>MTRR</i>	1	0
8	125565635	<i>MTSS1</i>	0	0
16	70714694	<i>MTSS1L</i>	0	0
4	100512380	<i>MTTP</i>	0	2
8	17612945	<i>MTUS1</i>	2	4
13	29600512	<i>MTUS2</i>	0	1
1	155181989	<i>MTX1</i>	0	0
2	177202272	<i>MTX2</i>	1	0
5	79281483	<i>MTX3</i>	0	1
1	155160205	<i>MUC1</i>	0	2
3	124642453	<i>MUC13</i>	0	1
11	26582609	<i>MUC15</i>	0	2
19	9089965	<i>MUC16</i>	5	14
7	100676476	<i>MUC17</i>	0	14
11	1096518	<i>MUC2</i>	1	1
3	195453047	<i>MUC20</i>	7	19
3	195497165	<i>MUC4</i>	4	13
11	1248612	<i>MUC5B</i>	2	6
11	1027714	<i>MUC6</i>	0	2
4	71347333	<i>MUC7</i>	3	15
12	55250603	<i>MUCL1</i>	3	8
1	20827342	<i>MUL1</i>	0	0
19	1360604	<i>MUM1</i>	1	3
9	103340482	<i>MURC</i>	6	21
11	65630584	<i>MUS81</i>	1	1
9	113457726	<i>MUSK</i>	0	1
6	49409518	<i>MUT</i>	0	2
1	45797228	<i>MUTYH</i>	1	2
19	17535479	<i>MVB12A</i>	0	2
9	129246233	<i>MVB12B</i>	0	1
16	88719726	<i>MVD</i>	0	2
12	110032892	<i>MVK</i>	0	1
16	29859154	<i>MVP</i>	0	1
21	42804021	<i>MX1</i>	0	0
21	42780067	<i>MX2</i>	0	0
2	70164190	<i>MXD1</i>	0	0
5	176738807	<i>MXD3</i>	1	0
4	2252319	<i>MXD4</i>	0	0
10	112044637	<i>MXI1</i>	0	0
17	74679948	<i>MXRA7</i>	0	0

1	1293817	<i>MXRA8</i>	0	1
19	54377563	<i>MYADM</i>	0	0
17	79899497	<i>MYADML2</i>	0	1
6	135513513	<i>MYB</i>	0	1
17	4449050	<i>MYBBP1A</i>	1	4
8	67479159	<i>MYBL1</i>	1	0
20	42315590	<i>MYBL2</i>	0	0
12	102055018	<i>MYBPC1</i>	0	0
19	50951492	<i>MYBPC2</i>	1	4
11	47364286	<i>MYBPC3</i>	1	0
1	203138414	<i>MYBPH</i>	1	1
1	109838883	<i>MYBPHL</i>	0	2
8	128750540	<i>MYC</i>	1	13
13	77834699	<i>MYCBP2</i>	0	4
17	48597114	<i>MYCBPAP</i>	0	0
1	40366942	<i>MYCL</i>	1	0
2	16085613	<i>MYCN</i>	0	1
6	153043035	<i>MYCT1</i>	0	1
3	38181994	<i>MYD88</i>	0	0
15	48435108	<i>MYEF2</i>	2	17
11	69062953	<i>MYEOV</i>	1	2
2	241066286	<i>MYEOV2</i>	0	2
12	81111289	<i>MYF5</i>	0	0
12	81102327	<i>MYF6</i>	0	1
17	10405154	<i>MYH1</i>	0	9
17	8387465	<i>MYH10</i>	0	0
16	15835603	<i>MYH11</i>	2	3
17	10250102	<i>MYH13</i>	0	0
19	50789795	<i>MYH14</i>	1	2
3	108163559	<i>MYH15</i>	2	23
17	10436835	<i>MYH2</i>	1	0
17	10531965	<i>MYH3</i>	0	2
17	10358540	<i>MYH4</i>	2	5
14	23863152	<i>MYH6</i>	0	2
14	23899838	<i>MYH7</i>	0	1
20	33588489	<i>MYH7B</i>	2	8
17	10295235	<i>MYH8</i>	2	5
22	36684354	<i>MYH9</i>	0	0
2	211167502	<i>MYL1</i>	0	0
7	101267509	<i>MYL10</i>	0	0
12	111351142	<i>MYL2</i>	0	1

17	45297252	MYL4	0	1
4	674386	MYL5	0	0
12	56554440	MYL6	0	2
12	56551296	MYL6B	0	0
7	44180871	MYL7	0	0
6	16143987	MYLIP	0	0
3	123426738	MYLK	0	2
20	30419813	MYLK2	0	0
16	46761247	MYLK3	0	0
6	2685775	MYLK4	0	2
3	169500397	MYNN	0	0
5	16783581	MYO10	0	0
17	18029678	MYO15A	3	3
13	109614847	MYO16	0	0
17	27493881	MYO18A	0	2
22	26422627	MYO18B	2	5
17	34854999	MYO19	1	6
12	57437157	MYO1A	6	27
2	192228909	MYO1B	0	0
17	1374615	MYO1C	0	1
17	31039180	MYO1D	0	1
15	59487731	MYO1E	0	0
19	8591778	MYO1F	0	2
7	45015221	MYO1G	0	0
12	109843700	MYO1H	3	4
10	26310406	MYO3A	0	7
2	171056696	MYO3B	0	2
15	52643564	MYO5A	3	3
18	47516876	MYO5B	0	1
15	52556429	MYO5C	0	1
6	76566847	MYO6	0	0
11	76912557	MYO7A	2	2
2	128394149	MYO7B	2	5
15	72338721	MYO9A	0	7
19	17321204	MYO9B	0	0
1	171621608	MYOC	1	8
17	12655937	MYOCD	0	1
11	17741548	MYOD1	0	0
10	95162056	MYOF	0	9
1	203053119	MYOG	0	0
18	3135573	MYOM1	0	2

8	2091307	MYOM2	0	10
1	24416070	MYOM3	1	15
5	137206460	MYOT	0	2
10	75394462	MYOZ1	0	0
4	120079273	MYOZ2	0	1
5	150042488	MYOZ3	0	3
10	69959262	MYPN	0	0
11	61547331	MYRF	0	5
3	40208356	MYRIP	0	3
1	59148118	MYSM1	1	0
20	62837071	MYT1	0	0
2	1893046	MYT1L	1	0
5	138723537	MZB1	0	3
19	59074706	MZF1	1	0
2	130948255	MZT2B	0	1
16	48577065	N4BP1	0	0
4	40122884	N4BP2	0	1
13	32977829	N4BP2L1	0	0
13	33017937	N4BP2L2	0	2
5	177547336	N4BP3	0	0
21	30250644	N6AMT1	0	0
13	21306161	N6AMT2	0	1
4	80246576	NAA11	1	2
4	140264024	NAA15	0	0
13	41899938	NAA16	1	2
12	112481561	NAA25	0	0
9	88593275	NAA35	0	0
17	7760556	NAA38	0	0
11	63713377	NAA40	0	0
16	3533379	NAA60	0	0
4	76861237	NAAA	0	0
11	89896168	NAALAD2	0	1
11	64813916	NAALADL1	0	4
3	175520874	NAALADL2	1	7
2	191548565	NAB1	0	0
12	57486763	NAB2	0	0
12	57110102	NACA	1	0
7	45122611	NACAD	0	0
19	13246610	NACC1	0	0
9	138905094	NACC2	0	0
1	1686081	NADK	0	2

5	36197617	NADK2	0	0
11	71189436	NADSYN1	0	2
16	66858720	NAE1	0	0
4	164085470	NAF1	0	0
22	42461883	NAGA	0	0
2	71295751	NAGK	0	2
17	40695812	NAGLU	2	2
16	5083853	NAGPA	0	4
17	42085001	NAGS	0	1
9	130826060	NAIF1	1	0
5	70308251	NAIP	0	0
13	101747984	NALCN	0	3
12	7922788	NANOGNB	1	5
19	46417625	NANOS2	0	0
19	13991246	NANOS3	0	0
20	25596753	NANP	0	0
9	100843371	NANS	0	1
11	2975799	NAP1L4	0	6
4	89618837	NAP1L5	0	4
19	47996194	NAPA	0	0
20	23402025	NAPB	0	1
7	102769183	NAPEPLD	0	3
18	10539824	NAPG	0	0
8	144659523	NAPRT	0	4
19	50862305	NAPSA	1	0
17	80430453	NARF	0	0
16	787293	NARFL	0	1
17	27043980	NARR	2	6
18	55283147	NARS	0	1
11	78204211	NARS2	0	1
1	46073597	NASP	0	0
8	18080115	NAT1	2	11
11	34135319	NAT10	0	5
7	100816685	NAT16	1	3
8	18257704	NAT2	0	0
3	50334688	NAT6	0	1
2	73868399	NAT8	0	0
17	72769132	NAT9	0	1
1	201618474	NAV1	0	0
11	20104669	NAV2	0	1
12	78542699	NAV3	1	0

2	15694164	NBAS	1	12
13	36124640	NBEA	0	0
2	203948082	NBEAL1	1	6
3	47047069	NBEAL2	1	2
1	19972523	NBL1	0	0
8	90994217	NBN	2	1
1	21797221	NBPF3	0	0
1	120379932	NBPF7	0	1
17	41331402	NBR1	0	0
11	113141046	NCAM1	0	0
21	22664446	NCAM2	0	0
19	19359576	NCAN	0	0
12	6618900	NCAPD2	1	3
11	134026944	NCAPD3	0	1
4	17836086	NCAPG	0	3
7	158486086	NCAPG2	1	1
2	97020049	NCAPH	0	1
22	50957115	NCAPH2	0	1
9	100431142	NCBP1	1	0
17	3719447	NCBP3	0	1
19	39691013	NCCRP1	0	0
1	36030901	NCDN	0	0
3	172365704	NCEH1	0	1
1	183555988	NCF2	0	1
22	37271802	NCF4	1	3
3	136664807	NCK1	0	0
2	106498049	NCK2	0	0
2	183800060	NCKAP1	0	0
12	54914538	NCKAP1L	1	1
2	133540714	NCKAP5	0	0
12	50189650	NCKAP5L	0	0
3	48716093	NCKIPSD	0	0
2	232319988	NCL	0	5
19	3192583	NCLN	0	0
1	24927519	NCMAP	0	1
2	24888750	NCOA1	1	1
8	71040714	NCOA2	0	0
20	46265401	NCOA3	0	1
10	51579273	NCOA4	0	0
20	44697252	NCOA5	0	0
20	33337511	NCOA6	0	0

6	126240483	NCOA7	0	0
17	15952299	NCOR1	0	1
12	124950713	NCOR2	0	0
19	55423530	NCR1	0	1
6	41318587	NCR2	1	1
1	160327025	NCSTN	0	0
1	54301186	NDC1	0	0
18	2608767	NDC80	0	1
16	15785092	NDE1	0	0
17	8358151	NDEL1	0	0
13	80107567	NDFIP2	0	0
4	121958091	NDNF	0	0
9	140110469	NDOR1	0	2
8	134256559	NDRG1	1	2
14	21486625	NDRG2	0	0
16	58540887	NDRG4	0	0
5	149919739	NDST1	0	1
10	75563070	NDST2	0	0
4	119148052	NDST3	0	1
4	115997485	NDST4	0	1
2	240912983	NDUFA10	0	1
19	5896968	NDUFA11	0	0
19	19626943	NDUFA13	0	1
5	140027059	NDUFA2	0	0
12	57629376	NDUFA4L2	0	1
22	42482333	NDUFA6	0	2
19	8385782	NDUFA7	0	0
9	124910499	NDUFA8	0	0
12	4778978	NDUFA9	0	0
15	41687125	NDUFAF1	1	0
5	60241196	NDUFAF2	0	6
3	49060170	NDUFAF3	0	2
20	13769298	NDUFAF5	0	2
8	96064458	NDUFAF6	0	2
2	37464887	NDUFAF7	0	1
16	2011507	NDUFB10	0	0
7	140402708	NDUFB2	0	1
3	179333853	NDUFB5	0	3
9	32572932	NDUFB6	0	1
19	14682785	NDUFB7	0	0
10	102286341	NDUFB8	0	0

8	125551423	<i>NDUFB9</i>	0	1
11	77790655	<i>NDUFC2</i>	0	0
2	207017173	<i>NDUFS1</i>	2	1
1	161183639	<i>NDUFS2</i>	0	0
11	47600876	<i>NDUFS3</i>	0	0
19	1395494	<i>NDUFS7</i>	0	0
11	67375962	<i>NDUFV1</i>	0	2
18	9104162	<i>NDUFV2</i>	1	0
21	44323720	<i>NDUFV3</i>	2	14
2	152474861	<i>NEB</i>	5	18
10	21186024	<i>NEBL</i>	6	14
8	91884403	<i>NECAB1</i>	0	1
16	84030892	<i>NECAB2</i>	1	0
20	32245789	<i>NECAB3</i>	0	0
12	8245645	<i>NECAP1</i>	0	0
1	16767301	<i>NECAP2</i>	1	0
12	97336427	<i>NEDD1</i>	0	1
15	56139167	<i>NEDD4</i>	0	4
18	56018288	<i>NEDD4L</i>	0	0
6	11190515	<i>NEDD9</i>	0	1
22	29885599	<i>NEFH</i>	0	0
8	24811187	<i>NEFL</i>	0	0
8	24775927	<i>NEFM</i>	0	0
1	72058552	<i>NEGR1</i>	0	0
15	75644476	<i>NEIL1</i>	2	8
8	11643757	<i>NEIL2</i>	1	0
4	178283474	<i>NEIL3</i>	0	1
4	170483300	<i>NEK1</i>	3	6
3	27332820	<i>NEK10</i>	0	4
3	130947466	<i>NEK11</i>	0	3
1	211844613	<i>NEK2</i>	0	0
13	52718072	<i>NEK3</i>	0	1
3	52800284	<i>NEK4</i>	0	1
13	52693493	<i>NEK5</i>	0	3
9	127074802	<i>NEK6</i>	0	0
1	198288601	<i>NEK7</i>	0	0
17	27064865	<i>NEK8</i>	0	1
14	75576547	<i>NEK9</i>	1	5
4	1986626	<i>NELFA</i>	0	0
9	140161446	<i>NELFB</i>	0	0
20	57564632	<i>NELFCD</i>	0	0

11	21596579	<i>NELL1</i>	0	0
12	45209849	<i>NELL2</i>	0	2
14	50251670	<i>NEMF</i>	0	0
12	57457906	<i>NEMP1</i>	0	0
2	191383544	<i>NEMP2</i>	0	1
15	73541977	<i>NEO1</i>	0	0
1	156639761	<i>NES</i>	0	2
10	5494839	<i>NET1</i>	0	1
18	70461400	<i>NETO1</i>	1	7
16	47117654	<i>NETO2</i>	0	0
2	233897525	<i>NEU2</i>	0	2
11	74716815	<i>NEU3</i>	1	1
2	242758326	<i>NEU4</i>	1	4
10	105254231	<i>NEURL1</i>	5	20
20	44519000	<i>NEURL2</i>	0	0
17	7220846	<i>NEURL4</i>	0	0
2	182542892	<i>NEUROD1</i>	0	0
12	55420301	<i>NEUROD4</i>	0	0
5	134871069	<i>NEUROG1</i>	0	0
10	71332204	<i>NEUROG3</i>	0	1
1	78390822	<i>NEXN</i>	0	1
17	29559163	<i>NF1</i>	0	1
22	30090795	<i>NF2</i>	0	0
22	42828227	<i>NFAM1</i>	0	1
1	204960445	<i>NFASC</i>	0	3
16	69727454	<i>NFAT5</i>	0	0
18	77227554	<i>NFATC1</i>	0	1
20	50052319	<i>NFATC2</i>	0	0
16	28963485	<i>NFATC2IP</i>	0	0
16	68225209	<i>NFATC3</i>	0	1
14	24838901	<i>NFATC4</i>	1	0
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6	108499296	<i>NR2E1</i>	0	0
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4	48859312	<i>OCIAD1</i>	0	0
4	48906558	<i>OCIAD2</i>	0	0
5	68805601	<i>OCLN</i>	0	0
20	45174488	<i>OCSTAMP</i>	1	0
4	71062299	<i>ODAM</i>	0	0
2	10582292	<i>ODC1</i>	0	0
8	103573011	<i>ODF1</i>	0	6
9	131218388	<i>ODF2</i>	0	0
1	86822287	<i>ODF2L</i>	1	8
11	200013	<i>ODF3</i>	1	0
22	50968872	<i>ODF3B</i>	0	0
15	76019567	<i>ODF3L1</i>	1	1
19	464312	<i>ODF3L2</i>	0	3
17	8243785	<i>ODF4</i>	0	0
7	44736580	<i>OGDH</i>	0	0
10	50966585	<i>OGDHL</i>	0	0
16	56503935	<i>OGFOD1</i>	0	0
12	123463459	<i>OGFOD2</i>	0	2
17	80373431	<i>OGFOD3</i>	11	44
20	61439560	<i>OGFR</i>	0	1
6	72006467	<i>OGFRL1</i>	0	0
3	9796509	<i>OGG1</i>	0	1
9	95155516	<i>OGN</i>	0	0
15	41624622	<i>OIP5</i>	0	2
10	74658558	<i>OIT3</i>	0	0
10	15115162	<i>OLAH</i>	0	0
19	9965510	<i>OLFM2</i>	0	0
1	102270244	<i>OLFM3</i>	0	0
13	53624297	<i>OLFM4</i>	0	0
11	7509566	<i>OLFML1</i>	0	2
9	127563698	<i>OLFML2A</i>	3	4
1	161976172	<i>OLFML2B</i>	0	3
1	114524169	<i>OLFML3</i>	3	0
6	137815140	<i>OLIG3</i>	0	0
12	10319443	<i>OLR1</i>	0	2
1	59002221	<i>OMA1</i>	0	2
9	95177643	<i>OMD</i>	0	1
17	29623288	<i>OMG</i>	1	0

11	76814323	OMP	0	0
18	55143670	ONECUT2	0	0
19	1754770	ONECUT3	0	0
6	74079041	OOEP	0	0
3	193360722	OPA1	0	1
19	46032736	OPA3	0	0
10	98105840	OPALIN	0	0
11	133402231	OPCML	0	0
8	145111142	OPLAH	0	3
7	128415162	OPN1SW	0	0
1	241767755	OPN3	1	1
10	88421041	OPN4	1	17
6	47749835	OPN5	0	0
1	29189599	OPRD1	0	2
8	54141992	OPRK1	0	2
20	62729921	OPRL1	0	0
6	154428871	OPRM1	1	8
1	203467948	OPTC	0	1
10	13167594	OPTN	0	0
11	7960231	OR10A3	0	5
11	6898329	OR10A4	0	2
11	6867635	OR10A5	0	0
11	7949791	OR10A6	1	1
12	55615084	OR10A7	0	0
12	48597049	OR10AD1	1	10
11	55735813	OR10AG1	0	0
14	22102315	OR10G2	0	0
14	22038562	OR10G3	0	1
11	123887157	OR10G4	0	0
11	123908930	OR10G7	0	0
11	123900694	OR10G8	0	0
11	123894493	OR10G9	0	0
19	15839783	OR10H2	0	1
19	15852363	OR10H3	2	1
19	16060491	OR10H4	0	0
19	15905431	OR10H5	0	0
1	159410513	OR10J1	0	2
1	159283952	OR10J3	0	1
1	159504961	OR10J5	0	1
1	158435663	OR10K1	1	3
1	158390028	OR10K2	0	0

12	56031101	OR10P1	1	1
11	57995454	OR10Q1	4	5
1	158449892	OR10R2	0	0
11	123848064	OR10S1	0	0
1	158368936	OR10T2	0	0
11	59480951	OR10V1	0	0
11	58034458	OR10W1	0	3
1	158549176	OR10X1	0	0
1	158576394	OR10Z1	0	1
14	20665887	OR11G2	0	3
14	20711469	OR11H4	1	3
14	20692305	OR11H6	2	3
1	248004848	OR11L1	0	1
10	45799065	OR13A1	0	0
9	107298207	OR13C3	3	0
9	107289095	OR13C4	0	0
9	107331727	OR13C8	0	0
9	107457686	OR13D1	0	1
9	107267245	OR13F1	1	1
1	247836008	OR13G1	0	3
9	35870048	OR13J1	1	1
1	247978339	OR14A16	0	0
1	248512498	OR14C36	0	1
1	248845195	OR14I1	0	0
17	3119049	OR1A1	0	0
17	3101578	OR1A2	2	0
9	125391070	OR1B1	0	0
1	247921049	OR1C1	0	0
17	2995662	OR1D2	0	2
17	3336723	OR1E2	1	0
16	3255035	OR1F1	0	0
17	3030842	OR1G1	0	1
19	15198851	OR1I1	0	0
9	125240206	OR1J1	0	0
9	125281779	OR1J4	0	0
9	125562527	OR1K1	1	0
9	125424135	OR1L1	0	1
9	125437514	OR1L3	1	0
9	125486968	OR1L4	0	0
9	125512943	OR1L6	0	0
9	125330499	OR1L8	0	0

19	9204181	OR1M1	1	0
9	125288793	OR1N1	0	0
9	125316028	OR1N2	2	8
9	125377087	OR1Q1	0	0
11	57982288	OR1S1	0	0
11	57971478	OR1S2	0	3
7	143792254	OR2A12	0	0
7	143826248	OR2A14	1	1
7	143806688	OR2A2	0	0
7	143772205	OR2A25	0	0
7	99474543	OR2AE1	1	1
11	6806743	OR2AG1	4	0
11	6789558	OR2AG2	0	0
1	248129240	OR2AK2	1	4
11	74800573	OR2AT4	0	1
1	247615284	OR2B11	0	0
6	27879432	OR2B2	4	5
6	27925174	OR2B6	0	0
16	3406516	OR2C1	0	0
1	247695157	OR2C3	0	2
11	6913243	OR2D2	0	2
11	6942695	OR2D3	0	0
7	143657882	OR2F1	0	0
7	143632469	OR2F2	0	0
1	247752518	OR2G2	1	1
1	247769424	OR2G3	0	0
1	248685089	OR2G6	2	4
9	114090366	OR2K2	0	0
1	248262752	OR2L13	0	0
1	248202174	OR2L2	0	0
1	248185883	OR2L5	0	0
1	248402758	OR2M4	0	1
1	248309356	OR2M5	0	0
9	35957831	OR2S2	0	0
1	248569892	OR2T1	0	2
1	248789767	OR2T11	4	14
1	248636713	OR2T3	0	0
1	248551749	OR2T6	0	1
5	180582428	OR2V2	0	0
1	248059707	OR2W3	0	0
1	247655059	OR2W5	0	2

5	180166877	OR2Y1	0	1
19	8841558	OR2Z1	0	3
17	3195784	OR3A1	5	10
17	3324720	OR3A3	0	0
11	55136279	OR4A15	0	0
11	55110739	OR4A16	0	0
11	51411739	OR4A5	1	0
11	48239133	OR4B1	1	0
11	55322772	OR4C15	3	11
11	55340115	OR4C16	0	2
11	48347143	OR4C3	1	7
11	55433102	OR4C6	0	0
17	56233164	OR4D1	0	0
11	59244944	OR4D10	0	0
11	59271256	OR4D11	0	0
17	56247349	OR4D2	2	0
11	123811013	OR4D5	0	0
11	59224464	OR4D6	0	0
11	59282651	OR4D9	0	4
14	22133410	OR4E2	0	1
15	102358835	OR4F15	3	15
15	102346083	OR4F6	1	1
14	20404735	OR4K1	1	0
14	20502633	OR4K13	0	1
14	20482432	OR4K14	1	3
14	20586042	OR4K17	0	1
14	20344597	OR4K2	0	3
14	20389188	OR4K5	0	1
14	20528558	OR4L1	2	7
14	20248846	OR4M1	0	0
15	22368905	OR4M2	0	0
14	20296510	OR4N2	0	0
14	20612557	OR4N5	0	0
14	20216003	OR4Q3	0	1
11	48327825	OR4S1	0	0
11	48286179	OR4X1	0	2
11	48267469	OR4X2	0	1
11	4929514	OR51A7	0	0
11	5345170	OR51B2	0	0
11	5322927	OR51B4	0	0
11	5364557	OR51B5	0	5

11	5373251	OR51B6	0	0
11	4661424	OR51D1	0	0
11	4674380	OR51E1	0	0
11	4703741	OR51E2	0	0
11	4790605	OR51F1	1	5
11	4843386	OR51F2	0	1
11	4944790	OR51G1	7	42
11	4935947	OR51G2	0	2
11	5461834	OR51I1	1	2
11	5475492	OR51I2	0	1
11	5020620	OR51L1	0	0
11	5411398	OR51M1	2	8
11	5443898	OR51Q1	0	0
11	4869566	OR51S1	1	1
11	4903258	OR51T1	3	37
11	5221784	OR51V1	0	0
11	5173229	OR52A1	0	0
11	5153400	OR52A5	1	2
11	6190803	OR52B2	0	0
11	4388638	OR52B4	0	1
11	5602841	OR52B6	0	1
11	5510341	OR52D1	0	2
11	5142270	OR52E2	0	0
11	5906272	OR52E4	0	1
11	5863113	OR52E6	0	1
11	5878582	OR52E8	0	0
11	5566390	OR52H1	0	1
11	4615779	OR52I1	0	0
11	4608561	OR52I2	9	14
11	5068431	OR52J3	0	0
11	4510279	OR52K1	0	6
11	4471500	OR52K2	0	1
11	6007772	OR52L1	6	28
11	4567140	OR52M1	2	8
11	5809811	OR52N1	0	0
11	5841743	OR52N2	1	4
11	5776009	OR52N4	0	0
11	4825566	OR52R1	0	6
11	6221249	OR52W1	0	1
11	6048122	OR56A1	0	0
11	5969185	OR56A3	0	0

11	6024302	OR56A4	0	0
11	5989244	OR56A5	0	2
11	5757983	OR56B1	2	0
11	6129758	OR56B4	0	1
11	59211265	OR5A1	1	0
11	59189912	OR5A2	0	1
3	97806769	OR5AC2	5	15
11	56756800	OR5AK2	0	3
11	59132486	OR5AN1	0	0
11	56409775	OR5AP2	0	0
11	56431543	OR5AR1	0	1
11	55798421	OR5AS1	0	1
14	21623222	OR5AU1	1	6
11	58207036	OR5B12	0	6
11	58125862	OR5B17	0	2
11	58190415	OR5B2	0	0
11	58274744	OR5B21	0	0
11	58170086	OR5B3	0	0
9	125551460	OR5C1	0	0
11	55540964	OR5D13	0	0
11	55563760	OR5D14	0	1
11	55607205	OR5D16	1	0
11	55587748	OR5D18	0	0
11	55761738	OR5F1	0	0
3	97888197	OR5H15	0	0
3	98002343	OR5H2	0	5
11	55703425	OR5I1	0	0
11	55944139	OR5J2	0	1
3	98217412	OR5K2	0	0
3	98110145	OR5K3	0	1
3	98073207	OR5K4	0	0
11	55579400	OR5L1	0	0
11	55595537	OR5L2	0	1
11	56344713	OR5M10	0	0
11	56309987	OR5M11	0	0
11	56237592	OR5M3	0	0
11	56258232	OR5M8	0	0
11	56230473	OR5M9	0	0
11	7817788	OR5P2	0	11
11	7847024	OR5P3	0	1
11	56184888	OR5R1	0	0

11	56043213	OR5T1	0	0
11	56000287	OR5T2	0	5
11	56020615	OR5T3	0	0
11	55681345	OR5W2	2	0
11	6816792	OR6A2	0	1
7	143701221	OR6B1	0	0
2	240984557	OR6B3	0	0
12	55714406	OR6C1	0	5
12	55846890	OR6C2	0	0
12	55726184	OR6C3	1	0
12	55945335	OR6C4	0	4
12	55688165	OR6C6	3	1
12	55794885	OR6C65	0	0
12	55886902	OR6C68	0	15
12	55863386	OR6C70	7	22
12	55641295	OR6C74	0	0
12	55759692	OR6C75	0	2
12	55820357	OR6C76	1	2
1	247875494	OR6F1	0	0
1	158670032	OR6K2	7	18
1	158687896	OR6K3	0	0
1	158725269	OR6K6	1	0
11	123676231	OR6M1	0	1
1	158735696	OR6N1	0	0
1	158746589	OR6N2	0	0
1	158533140	OR6P1	4	15
11	57799183	OR6Q1	0	0
14	21109671	OR6S1	2	0
11	123814286	OR6T1	0	2
7	142749439	OR6V1	0	0
11	123624520	OR6X1	0	4
1	158517693	OR6Y1	0	1
19	14952453	OR7A10	0	0
19	14938754	OR7A5	0	0
19	14910163	OR7C1	0	1
19	15052983	OR7C2	1	1
19	9297246	OR7D2	0	0
19	9324896	OR7D4	0	0
19	9362297	OR7E24	0	0
19	9225685	OR7G1	0	1
19	9213651	OR7G2	0	0

19	9237542	OR7G3	1	0
11	124440033	OR8A1	0	0
11	124412666	OR8B12	0	0
11	124294255	OR8B4	0	1
11	124310442	OR8B8	0	0
11	124180082	OR8D1	0	0
11	124189511	OR8D2	0	0
11	123777752	OR8D4	0	0
11	124095801	OR8G2	0	0
11	124135438	OR8G5	0	0
11	55873028	OR8H2	0	0
11	55890320	OR8H3	0	0
11	55860852	OR8I2	0	0
11	56127829	OR8J1	1	5
11	55904475	OR8J3	0	1
11	56113901	OR8K1	0	1
11	56086560	OR8K3	0	3
11	55927529	OR8K5	1	0
12	48919504	OR8S1	0	1
11	56143699	OR8U1	1	0
7	142723327	OR9A2	0	0
7	141618931	OR9A4	0	2
11	56510694	OR9G4	0	0
11	56467959	OR9G9	1	1
11	57886635	OR9I1	0	0
12	55524074	OR9K2	0	1
11	57947084	OR9Q1	0	0
11	57958181	OR9Q2	0	1
12	122064776	ORAI1	3	23
7	102087148	ORAI2	0	1
16	30964940	ORAI3	0	0
1	52841179	ORC1	0	2
2	201800518	ORC2	0	2
6	88311578	ORC3	0	1
2	148695824	ORC4	0	0
7	103838221	ORC5	0	0
16	46723626	ORC6	0	0
2	190636604	ORMDL1	0	1
12	56212940	ORMDL2	0	0
17	38080298	ORMDL3	0	0
12	58113961	OS9	0	0

11	59369198	<i>OSBP</i>	0	0
22	31285200	<i>OSBP2</i>	0	0
3	31789598	<i>OSBPL10</i>	0	0
3	125286349	<i>OSBPL11</i>	0	0
18	21759788	<i>OSBPL1A</i>	1	16
20	60856855	<i>OSBPL2</i>	0	1
7	24903187	<i>OSBPL3</i>	1	0
11	3143609	<i>OSBPL5</i>	0	0
2	179188974	<i>OSBPL6</i>	0	0
17	45897561	<i>OSBPL7</i>	0	1
12	76779996	<i>OSBPL8</i>	0	0
1	52211190	<i>OSBPL9</i>	0	0
19	54600232	<i>OSCAR</i>	1	0
1	36915972	<i>OSCP1</i>	9	34
20	42835526	<i>OSER1</i>	0	1
14	20916249	<i>OSGEP</i>	0	0
2	190620216	<i>OSGEPL1</i>	7	21
16	83991313	<i>OSGIN1</i>	0	2
8	90926935	<i>OSGIN2</i>	0	0
22	30660123	<i>OSM</i>	0	0
5	38869251	<i>OSMR</i>	0	1
2	19553198	<i>OSR1</i>	0	0
8	99961570	<i>OSR2</i>	0	0
9	77732451	<i>OSTF1</i>	0	1
6	108375686	<i>OSTM1</i>	0	0
3	190967888	<i>OSTN</i>	0	0
16	21737988	<i>OTOA</i>	2	2
2	26688909	<i>OTOF</i>	2	4
11	17655766	<i>OTOG</i>	2	8
12	80765800	<i>OTOGL</i>	1	6
3	161221586	<i>OTOL1</i>	0	0
4	4207868	<i>OTOP1</i>	1	4
17	72927017	<i>OTOP2</i>	1	3
17	72945345	<i>OTOP3</i>	1	7
20	16729138	<i>OTOR</i>	0	0
2	241078673	<i>OTOS</i>	3	2
5	76932892	<i>OTP</i>	0	0
14	94510964	<i>OTUB2</i>	0	0
10	23729361	<i>OTUD1</i>	0	0
1	20231455	<i>OTUD3</i>	0	0
4	146058924	<i>OTUD4</i>	0	0

8	92097062	<i>OTUD6B</i>	1	1
15	31862375	<i>OTUD7A</i>	0	0
1	149916176	<i>OTUD7B</i>	0	0
5	14693130	<i>OTULIN</i>	0	0
2	63282975	<i>OTX1</i>	0	0
14	57270909	<i>OTX2</i>	0	0
17	1946263	<i>OVCA2</i>	0	3
12	29604409	<i>OVCH1</i>	0	9
11	7717257	<i>OVCH2</i>	1	2
1	111957586	<i>OVGP1</i>	1	2
11	65562728	<i>OVOL1</i>	0	0
20	18005394	<i>OVOL2</i>	2	0
14	23240262	<i>OXA1L</i>	7	16
5	41739522	<i>OXCT1</i>	0	0
1	40236196	<i>OXCT2</i>	0	0
2	42990369	<i>OXER1</i>	0	1
13	97639600	<i>OXGR1</i>	0	0
3	16313222	<i>OXNAD1</i>	1	1
8	107704991	<i>OXR1</i>	0	0
3	25835982	<i>OXSM</i>	0	0
3	38271827	<i>OXSR1</i>	0	0
3	8809258	<i>OXTR</i>	0	0
17	3803017	<i>P2RX1</i>	0	0
12	133198420	<i>P2RX2</i>	1	1
11	57106135	<i>P2RX3</i>	0	0
12	121670790	<i>P2RX4</i>	0	3
17	3585252	<i>P2RX5</i>	0	0
22	21380546	<i>P2RX6</i>	7	21
12	121613229	<i>P2RX7</i>	6	40
3	151046604	<i>P2RY13</i>	0	0
3	150931174	<i>P2RY14</i>	0	0
11	72945813	<i>P2RY2</i>	0	1
11	73007677	<i>P2RY6</i>	0	0
1	43212464	<i>P3H1</i>	0	1
3	189705451	<i>P3H2</i>	2	2
17	39967128	<i>P3H4</i>	0	0
10	74813188	<i>P4HA1</i>	0	0
5	131531097	<i>P4HA2</i>	0	1
11	73988110	<i>P4HA3</i>	0	0
17	79803793	<i>P4HB</i>	0	0
3	49028356	<i>P4HTM</i>	0	3

11	73620537	<i>PAAF1</i>	0	0
8	101719225	<i>PABPC1</i>	0	0
20	43565622	<i>PABPC1L</i>	0	1
13	25670835	<i>PABPC3</i>	0	1
1	40035581	<i>PABPC4</i>	0	0
4	135121809	<i>PABPC4L</i>	0	2
14	23793436	<i>PABPN1</i>	0	0
16	88931528	<i>PABPN1L</i>	0	1
6	163235202	<i>PACRG</i>	0	3
4	20711390	<i>PACRGL</i>	1	0
11	65998072	<i>PACS1</i>	0	1
14	105847341	<i>PACS2</i>	0	0
6	34495132	<i>PACSIN1</i>	0	0
22	43275116	<i>PACSIN2</i>	0	0
11	47202072	<i>PACSIN3</i>	0	0
1	17531750	<i>PADI1</i>	1	4
1	17413121	<i>PADI2</i>	2	10
1	17596809	<i>PADI3</i>	2	0
1	17674513	<i>PADI4</i>	2	2
1	17723587	<i>PADI6</i>	0	3
9	138454256	<i>PAEP</i>	0	0
19	39877030	<i>PAF1</i>	1	0
1	26310481	<i>PAFAH2</i>	2	1
8	81897446	<i>PAG1</i>	1	0
16	29830964	<i>PAGR1</i>	0	0
12	103245465	<i>PAH</i>	1	9
4	57312495	<i>PAICS</i>	0	0
5	138699536	<i>PAIP2</i>	0	0
6	10702849	<i>PAK1IP1</i>	0	0
19	39666006	<i>PAK4</i>	1	0
20	9543622	<i>PAK7</i>	0	0
16	23646627	<i>PALB2</i>	1	3
10	72292441	<i>PALD1</i>	0	1
4	169819835	<i>PALLD</i>	1	1
19	734175	<i>PALM</i>	0	1
9	112778283	<i>PALM2</i>	1	0
19	14165545	<i>PALM3</i>	0	0
1	100154554	<i>PALMD</i>	0	1
5	102282638	<i>PAM</i>	0	0
11	35489628	<i>PAMR1</i>	0	2
12	56717840	<i>PAN2</i>	1	1

13	28834625	PAN3	0	0
10	91359146	PANK1	0	0
20	3870028	PANK2	1	1
5	167990980	PANK3	0	0
1	2453138	PANK4	1	0
11	93862493	PANX1	0	1
22	50616017	PANX2	0	0
11	124489274	PANX3	0	0
10	135193750	PAOX	1	1
5	78977824	PAPD4	1	1
16	50261755	PAPD5	0	0
5	6742674	PAPD7	0	0
14	73731293	PAPLN	4	35
14	97008640	PAPOLA	1	0
7	4899636	PAPOLB	0	0
2	61007902	PAPOLG	0	0
9	118949777	PAPPA	0	0
1	176738731	PAPPA2	0	1
4	108575955	PAPSS1	0	8
10	89501072	PAPSS2	0	0
4	79856305	PAQR3	0	0
16	3021628	PAQR4	0	1
15	69672316	PAQR5	0	0
1	156215445	PAQR6	1	0
1	26189698	PAQR7	1	0
6	52268965	PAQR8	0	1
3	142681249	PAQR9	0	1
10	34666943	PARD3	0	1
2	205969215	PARD3B	0	4
16	67696139	PARD6A	0	0
20	49366725	PARD6B	0	0
18	78005155	PARD6G	0	0
6	161966459	PARK2	2	4
1	8029402	PARK7	0	2
4	75937765	PARM1	0	0
16	14576593	PARN	0	3
1	226568824	PARP1	0	0
8	145058986	PARP10	1	1
7	139727135	PARP12	1	0
3	122418877	PARP14	2	3
3	122329468	PARP15	1	4

15	65555515	<i>PARP16</i>	1	0
14	20815013	<i>PARP2</i>	0	0
3	51979570	<i>PARP3</i>	1	3
13	25052261	<i>PARP4</i>	0	0
15	72553023	<i>PARP6</i>	0	0
5	50117148	<i>PARP8</i>	0	0
3	122274145	<i>PARP9</i>	0	1
12	102547741	<i>PARPBP</i>	0	1
1	55223581	<i>PARS2</i>	0	1
11	12539237	<i>PARVA</i>	0	7
22	44543766	<i>PARVB</i>	1	3
22	44594584	<i>PARVG</i>	1	0
2	242045997	<i>PASK</i>	0	10
11	125647286	<i>PATE2</i>	0	1
11	125658031	<i>PATE3</i>	0	0
11	125707762	<i>PATE4</i>	0	1
11	59420476	<i>PATL1</i>	0	0
15	44960624	<i>PATL2</i>	0	2
22	31740716	<i>PATZ1</i>	0	0
20	21695356	<i>PAX1</i>	0	0
10	102568826	<i>PAX2</i>	0	0
2	223066608	<i>PAX3</i>	0	0
7	127251188	<i>PAX4</i>	1	0
9	37033967	<i>PAX5</i>	0	0
1	18961619	<i>PAX7</i>	0	0
2	114035984	<i>PAX8</i>	0	0
14	37132577	<i>PAX9</i>	0	0
21	34117958	<i>PAXBP1</i>	0	0
7	154738250	<i>PAXIP1</i>	0	0
8	27680576	<i>PBK</i>	0	0
10	70066553	<i>PBLD</i>	0	1
6	138539392	<i>PBOV1</i>	0	0
3	52662949	<i>PBRM1</i>	0	0
1	164761825	<i>PBX1</i>	0	0
9	128697823	<i>PBX3</i>	0	1
19	19672830	<i>PBX4</i>	0	1
1	154918751	<i>PBXIP1</i>	0	0
11	66636282	<i>PC</i>	0	9
2	70315685	<i>PCBP1</i>	0	0
21	47355240	<i>PCBP3</i>	0	0
3	51994608	<i>PCBP4</i>	0	0

13	101179558	PCCA	0	1
3	135974840	PCCB	0	2
5	141243189	PCDH1	0	0
4	134071880	PCDH10	0	0
5	141324966	PCDH12	0	2
10	56423968	PCDH15	1	3
13	58208879	PCDH17	0	3
4	138449707	PCDH18	0	0
13	61986317	PCDH20	0	1
4	30724454	PCDH7	0	0
13	53422299	PCDH8	0	0
13	67801118	PCDH9	0	0
5	140166895	PCDHA1	0	0
5	140237433	PCDHA10	0	0
5	140250023	PCDHA11	0	0
5	140255792	PCDHA12	1	1
5	140264206	PCDHA13	0	0
5	140176422	PCDHA2	0	0
5	140181734	PCDHA3	8	36
5	140187751	PCDHA4	1	2
5	140202132	PCDHA5	0	0
5	140208537	PCDHA6	0	0
5	140214995	PCDHA7	1	2
5	140221761	PCDHA8	0	0
5	140230370	PCDHA9	0	0
5	140308620	PCDHAC1	0	3
5	140347872	PCDHAC2	0	0
5	140433404	PCDHB1	0	3
5	140572538	PCDHB10	0	0
5	140580493	PCDHB11	2	12
5	140588668	PCDHB12	1	0
5	140596210	PCDHB13	0	1
5	140603248	PCDHB14	1	7
5	140625429	PCDHB15	0	1
5	140562254	PCDHB16	0	0
5	140475514	PCDHB2	0	0
5	140480794	PCDHB3	0	0
5	140502083	PCDHB4	0	0
5	140515709	PCDHB5	0	0
5	140530852	PCDHB6	0	0
5	140552690	PCDHB7	0	0

5	140558338	<i>PCDHB8</i>	0	1
5	140710413	<i>PCDHGA1</i>	0	0
5	140795128	<i>PCDHGA10</i>	0	1
5	140802348	<i>PCDHGA11</i>	0	2
5	140810888	<i>PCDHGA12</i>	1	4
5	140719975	<i>PCDHGA2</i>	1	0
5	140724591	<i>PCDHGA3</i>	0	1
5	140735908	<i>PCDHGA4</i>	1	0
5	140745333	<i>PCDHGA5</i>	2	4
5	140755151	<i>PCDHGA6</i>	0	1
5	140763015	<i>PCDHGA7</i>	0	1
5	140773064	<i>PCDHGA8</i>	0	1
5	140784427	<i>PCDHGA9</i>	0	1
5	140730778	<i>PCDHGB1</i>	1	2
5	140741169	<i>PCDHGB2</i>	0	0
5	140750044	<i>PCDHGB3</i>	1	5
5	140768132	<i>PCDHGB4</i>	1	0
5	140778505	<i>PCDHGB5</i>	0	2
5	140788540	<i>PCDHGB6</i>	0	3
5	140798377	<i>PCDHGB7</i>	0	0
5	140858169	<i>PCDHGC3</i>	0	0
5	140865109	<i>PCDHGC4</i>	0	0
5	140871249	<i>PCDHGC5</i>	0	0
20	2819513	<i>PCED1A</i>	0	0
12	47630118	<i>PCED1B</i>	0	2
11	82888844	<i>PCF11</i>	0	1
2	74734179	<i>PCGF1</i>	0	0
17	36895443	<i>PCGF2</i>	0	0
10	93008258	<i>PCGF5</i>	0	0
10	105104889	<i>PCGF6</i>	0	1
13	113852543	<i>PCID2</i>	1	0
20	44569480	<i>PCIF1</i>	0	0
20	56137895	<i>PCK1</i>	0	0
14	24572932	<i>PCK2</i>	1	9
7	82580436	<i>PCLO</i>	0	0
8	17830005	<i>PCM1</i>	5	15
6	150094332	<i>PCMT1</i>	0	0
20	62899305	<i>PCMTD2</i>	2	1
21	47831618	<i>PCNT</i>	1	4
14	71444221	<i>PCNX</i>	1	2
1	233193029	<i>PCNXL2</i>	0	1

11	65385769	PCNXL3	0	0
14	60574850	PCNXL4	2	5
7	100204136	PCOLCE	0	0
3	142537266	PCOLCE2	1	1
19	7698275	PCP2	0	0
1	161254246	PCP4L1	0	0
5	95759089	PCSK1	0	0
20	17434581	PCSK2	0	0
19	1487211	PCSK4	1	1
9	78789975	PCSK5	0	2
11	117094888	PCSK7	3	6
1	55527193	PCSK9	1	3
17	53844794	PCTP	0	0
2	70502747	PCYOX1	1	1
5	148747632	PCYOX1L	0	1
3	195974340	PCYT1A	0	0
17	79864635	PCYT2	0	1
1	186413438	PDC	0	0
10	105187070	PDCD11	0	0
9	5569922	PDCD1LG2	2	11
19	34900215	PDCD2L	0	2
10	112635803	PDCD4	0	0
3	33905555	PDCD6IP	0	0
4	56422799	PDCL2	0	1
11	773562	PDDC1	0	0
6	165846465	PDE10A	0	0
2	178682655	PDE11A	11	23
3	57542589	PDE12	2	0
2	183011808	PDE1A	0	2
12	54967241	PDE1B	0	0
7	31920377	PDE1C	0	0
11	72295341	PDE2A	0	0
12	20522791	PDE3A	0	0
11	14852403	PDE3B	1	1
19	10570087	PDE4A	0	0
1	66458661	PDE4B	0	3
19	18330084	PDE4C	0	0
5	58481004	PDE4D	0	0
1	144922593	PDE4DIP	3	2
4	120440201	PDE5A	3	11
5	149313563	PDE6A	0	0

4	659144	<i>PDE6B</i>	0	8
10	95388992	<i>PDE6C</i>	0	0
2	232602730	<i>PDE6D</i>	0	0
8	66635801	<i>PDE7A</i>	0	1
6	136508190	<i>PDE7B</i>	0	1
15	85607669	<i>PDE8A</i>	0	0
5	76722343	<i>PDE8B</i>	0	1
21	44152214	<i>PDE9A</i>	0	3
22	39639934	<i>PDGFB</i>	0	0
4	157771402	<i>PDGFC</i>	0	0
11	103866844	<i>PDGFD</i>	0	0
4	55151635	<i>PDGFRA</i>	0	0
5	149516599	<i>PDGFRB</i>	0	0
8	17491723	<i>PDGFRL</i>	2	2
4	96761472	<i>PDHA2</i>	0	1
3	58419562	<i>PDHB</i>	0	0
11	34988283	<i>PDHX</i>	0	0
16	336870	<i>PDIA2</i>	1	9
15	44038878	<i>PDIA3</i>	0	1
7	148724983	<i>PDIA4</i>	0	1
3	122843110	<i>PDIA5</i>	0	0
2	10959475	<i>PDIA6</i>	0	0
16	20376755	<i>PDILT</i>	0	0
2	173435486	<i>PDK1</i>	0	0
17	48182741	<i>PDK2</i>	0	0
7	95222998	<i>PDK4</i>	0	0
10	97031540	<i>PDLIM1</i>	0	6
8	22442610	<i>PDLIM2</i>	1	0
4	186429641	<i>PDLIM3</i>	0	0
5	131607080	<i>PDLIM4</i>	0	0
4	95539215	<i>PDLIM5</i>	0	1
5	176919658	<i>PDLIM7</i>	0	0
8	94935376	<i>PDP1</i>	0	0
16	66918695	<i>PDP2</i>	0	0
16	2647706	<i>PDPK1</i>	0	0
16	70190659	<i>PDPR</i>	0	2
4	39850497	<i>PDS5A</i>	0	0
13	33268402	<i>PDS5B</i>	0	1
10	26993598	<i>PDSS1</i>	0	0
6	107515091	<i>PDSS2</i>	1	1
16	15130108	<i>PDXDC1</i>	0	1

21	45175571	<i>PDXK</i>	0	0
20	1963664	<i>PDYN</i>	0	0
5	31983351	<i>PDZD2</i>	1	6
11	119059405	<i>PDZD3</i>	1	2
10	102776110	<i>PDZD7</i>	1	1
10	119042962	<i>PDZD8</i>	0	0
16	21995737	<i>PDZD9</i>	0	0
1	47653080	<i>PDZK1IP1</i>	0	0
3	73453463	<i>PDZRN3</i>	0	1
12	41900257	<i>PDZRN4</i>	2	1
15	77425697	<i>PEAK1</i>	0	0
1	156883184	<i>PEAR1</i>	0	1
12	118577358	<i>PEBP1</i>	2	3
8	22675244	<i>PEBP4</i>	0	1
2	216903970	<i>PECR</i>	0	0
1	32101023	<i>PEF1</i>	0	1
7	94293477	<i>PEG10</i>	0	0
19	57325730	<i>PEG3</i>	4	1
2	64322301	<i>PELI1</i>	0	0
14	56763635	<i>PELI2</i>	0	0
11	66240720	<i>PELI3</i>	0	0
5	52096889	<i>PELO</i>	0	0
17	4576234	<i>PELP1</i>	1	2
17	17412068	<i>PEMT</i>	0	0
8	57354145	<i>PENK</i>	0	3
19	33954908	<i>PEPD</i>	0	1
17	8049372	<i>PER1</i>	0	0
2	239177637	<i>PER2</i>	0	3
1	7845504	<i>PER3</i>	2	10
1	914852	<i>PERM1</i>	0	0
6	138428379	<i>PERP</i>	0	0
22	30977518	<i>PES1</i>	0	1
7	92147459	<i>PEX1</i>	2	6
1	2337992	<i>PEX10</i>	0	1
15	90226796	<i>PEX11A</i>	0	0
19	7543186	<i>PEX11G</i>	0	0
17	33902879	<i>PEX12</i>	0	0
2	61275737	<i>PEX13</i>	0	0
1	10689942	<i>PEX14</i>	0	0
11	45935372	<i>PEX16</i>	0	0
1	160252292	<i>PEX19</i>	0	0

8	77896241	PEX2	0	2
22	18561340	PEX26	0	3
6	143806355	PEX3	0	2
12	7343492	PEX5	0	0
3	179689394	PEX5L	0	0
6	42933872	PEX6	0	0
6	137193331	PEX7	0	7
4	74719060	PF4V1	0	0
17	8157288	PFAS	0	1
5	139682623	PFDN1	0	0
1	161070525	PFDN2	0	0
10	6265906	PFKFB3	0	0
3	48577205	PFKFB4	1	1
21	45740045	PFKL	0	0
12	48528018	PFKM	0	1
10	3154440	PFKP	0	0
17	4849291	PFN1	0	0
2	24342505	PFN4	0	0
7	44102489	PGAM2	0	1
12	133294357	PGAM5	0	1
2	197707471	PGAP1	1	1
11	3829495	PGAP2	1	4
17	37840967	PGAP3	0	0
6	28254862	PGBD1	1	3
1	249211398	PGBD2	0	0
15	34394926	PGBD4	0	0
1	230492955	PGBD5	0	0
6	41721634	PGC	0	2
1	10479563	PGD	0	0
14	75413073	PGF	0	0
6	49754445	PGK2	0	5
19	17628120	PGLS	0	1
19	15586545	PGLYRP2	1	0
1	153283078	PGLYRP3	0	0
1	153318672	PGLYRP4	4	6
1	64114301	PGM1	2	1
4	37847310	PGM2	0	3
11	74057802	PGM2L1	0	1
6	83880167	PGM3	0	1
9	71114238	PGM5	1	0
16	2263948	PGP	0	0

19	18453734	<i>PGPEP1</i>	0	0
15	99512775	<i>PGPEP1L</i>	0	0
11	100933407	<i>PGR</i>	0	0
4	129193671	<i>PGRMC2</i>	0	0
17	76394409	<i>PGS1</i>	0	1
6	13053706	<i>PHACTR1</i>	0	0
6	144086873	<i>PHACTR2</i>	1	3
20	58348335	<i>PHACTR3</i>	0	1
1	28815736	<i>PHACTR4</i>	0	0
5	125936633	<i>PHAX</i>	0	0
12	9089549	<i>PHC1</i>	0	0
1	33820760	<i>PHC2</i>	10	19
3	169899453	<i>PHC3</i>	0	0
6	170110503	<i>PHF10</i>	0	1
13	50080847	<i>PHF11</i>	1	0
17	27240215	<i>PHF12</i>	0	0
1	6674150	<i>PHF13</i>	0	0
7	11209087	<i>PHF14</i>	0	0
9	123629165	<i>PHF19</i>	1	0
9	96407983	<i>PHF2</i>	0	1
20	34515764	<i>PHF20</i>	0	1
8	133816906	<i>PHF20L1</i>	0	0
11	45975130	<i>PHF21A</i>	0	0
22	45287218	<i>PHF21B</i>	0	0
17	7139382	<i>PHF23</i>	0	0
9	34971640	<i>PHF24</i>	0	0
6	64415974	<i>PHF3</i>	0	0
3	52446869	<i>PHF7</i>	0	1
1	120266014	<i>PHGDH</i>	0	0
6	79708017	<i>PHIP</i>	0	2
16	47628145	<i>PHKB</i>	1	4
7	56149727	<i>PHKG1</i>	0	0
16	30764562	<i>PHKG2</i>	1	1
12	76424365	<i>PHLDA1</i>	0	0
1	201437660	<i>PHLDA3</i>	0	0
11	118514580	<i>PHLDB1</i>	0	3
3	111681088	<i>PHLDB2</i>	6	33
19	43990935	<i>PHLDB3</i>	0	1
18	60497368	<i>PHLPP1</i>	0	0
16	71686735	<i>PHLPP2</i>	0	0
17	47302151	<i>PHOSPHO1</i>	0	0

2	170557601	<i>PHOSPHO2</i>	1	3
9	139745012	<i>PHPT1</i>	0	0
11	608285	<i>PHRF1</i>	1	0
1	114301263	<i>PHTF1</i>	2	6
7	77531095	<i>PHTF2</i>	0	0
10	13344018	<i>PHYH</i>	0	0
9	131702891	<i>PHYHD1</i>	0	0
10	61005204	<i>PHYHIPL</i>	0	0
5	177641841	<i>PHYKPL</i>	2	4
8	75757638	<i>PI15</i>	0	1
6	36922561	<i>PI16</i>	2	1
20	43803613	<i>PI3</i>	0	0
10	99410748	<i>PI4K2A</i>	0	0
4	25254043	<i>PI4K2B</i>	1	0
22	21174106	<i>PI4KA</i>	0	1
1	151288445	<i>PI4KB</i>	0	0
12	6806655	<i>PIANP</i>	0	0
18	44435571	<i>PIAS2</i>	0	4
1	145580316	<i>PIAS3</i>	0	0
19	4037723	<i>PIAS4</i>	0	0
13	73547830	<i>PIBF1</i>	1	3
11	85712153	<i>PICALM</i>	0	0
22	38469736	<i>PICK1</i>	0	2
2	230127471	<i>PID1</i>	0	0
11	799358	<i>PIDD1</i>	0	1
16	88793572	<i>PIEZO1</i>	0	5
18	10672764	<i>PIEZO2</i>	0	2
15	65113246	<i>PIF1</i>	0	3
1	111889309	<i>PIFO</i>	0	0
15	55647498	<i>PIGB</i>	0	1
1	172411087	<i>PIGC</i>	0	0
2	46839477	<i>PIGF</i>	0	0
4	502741	<i>PIGG</i>	0	6
1	77620196	<i>PIGK</i>	0	0
17	16203229	<i>PIGL</i>	0	0
1	160000435	<i>PIGM</i>	0	1
18	59774255	<i>PIGN</i>	0	6
9	35091452	<i>PIGO</i>	0	1
21	38437960	<i>PIGP</i>	0	1
16	633331	<i>PIGQ</i>	6	5
1	207112777	<i>PIGR</i>	0	0

17	26897925	<i>PIGS</i>	0	1
20	44052992	<i>PIGT</i>	0	0
20	33173336	<i>PIGU</i>	0	0
1	27120723	<i>PIGV</i>	0	1
17	34893980	<i>PIGW</i>	0	1
3	196460680	<i>PIGX</i>	0	0
4	89442779	<i>PIGY</i>	0	0
3	196678897	<i>PIGZ</i>	0	0
19	49949652	<i>PIH1D1</i>	0	0
11	111942450	<i>PIH1D2</i>	0	0
10	98386628	<i>PIK3AP1</i>	0	0
11	17191016	<i>PIK3C2A</i>	0	1
1	204438205	<i>PIK3C2B</i>	0	6
12	18446881	<i>PIK3C2G</i>	3	18
18	39537667	<i>PIK3C3</i>	0	0
3	178916931	<i>PIK3CA</i>	0	0
3	138426097	<i>PIK3CB</i>	0	0
1	9778796	<i>PIK3CD</i>	0	0
7	106508057	<i>PIK3CG</i>	0	1
22	31687194	<i>PIK3IP1</i>	0	1
5	67576438	<i>PIK3R1</i>	0	0
19	18273103	<i>PIK3R2</i>	0	1
1	46527595	<i>PIK3R3</i>	0	0
3	130437265	<i>PIK3R4</i>	0	0
17	8790527	<i>PIK3R5</i>	0	0
2	209182599	<i>PIKFYVE</i>	0	1
7	99997218	<i>PILRA</i>	0	1
7	99956595	<i>PILRB</i>	0	1
6	37139179	<i>PIM1</i>	0	0
19	9949242	<i>PIN1</i>	0	0
1	20972111	<i>PINK1</i>	0	4
8	10692242	<i>PINX1</i>	0	11
7	142836633	<i>PIP</i>	0	1
10	22856675	<i>PIP4K2A</i>	0	0
17	36933946	<i>PIP4K2B</i>	0	0
12	57985123	<i>PIP4K2C</i>	0	0
9	71623366	<i>PIP5K1B</i>	0	1
19	3633119	<i>PIP5K1C</i>	0	0
9	130689531	<i>PIP5KL1</i>	1	3
17	27382149	<i>PIPOX</i>	0	2
22	32044166	<i>PISD</i>	2	1

17	65574283	<i>PITPNC1</i>	0	1
11	67260474	<i>PITPNM1</i>	0	2
12	123494488	<i>PITPNM2</i>	0	0
17	6364837	<i>PITPNM3</i>	0	0
10	3182923	<i>PITRM1</i>	0	3
5	134367074	<i>PITX1</i>	0	0
4	111539437	<i>PITX2</i>	0	0
12	130839165	<i>PIWIL1</i>	0	2
8	22147412	<i>PIWIL2</i>	0	1
22	25150816	<i>PIWIL3</i>	1	9
11	94318671	<i>PIWIL4</i>	0	0
5	108714298	<i>PJA2</i>	0	0
16	2140477	<i>PKD1</i>	0	0
7	47925384	<i>PKD1L1</i>	3	8
16	81253759	<i>PKD1L2</i>	0	3
4	88967833	<i>PKD2</i>	0	1
10	102057262	<i>PKD2L1</i>	0	4
5	137226163	<i>PKD2L2</i>	1	6
2	42281442	<i>PKDCC</i>	0	0
22	46656562	<i>PKDREJ</i>	0	4
6	51637561	<i>PKHD1</i>	3	10
8	110457011	<i>PKHD1L1</i>	4	20
1	155264974	<i>PKLR</i>	1	1
15	72509852	<i>PKM</i>	0	0
16	3026881	<i>PKMYT1</i>	0	0
19	14580635	<i>PKN1</i>	0	0
1	89225881	<i>PKN2</i>	0	0
9	131476534	<i>PKN3</i>	0	0
21	44450112	<i>PKNOX1</i>	0	0
11	125299928	<i>PKNOX2</i>	0	0
1	201285759	<i>PKP1</i>	0	0
12	33031969	<i>PKP2</i>	0	0
11	403221	<i>PKP3</i>	0	1
2	159481743	<i>PKP4</i>	0	1
3	119336962	<i>PLA1A</i>	0	1
4	110638810	<i>PLA2G12A</i>	0	0
16	68289739	<i>PLA2G15</i>	0	0
12	120765541	<i>PLA2G1B</i>	0	1
1	20442870	<i>PLA2G2D</i>	0	1
1	20246851	<i>PLA2G2E</i>	0	0
1	20469967	<i>PLA2G2F</i>	0	0

22	31531849	<i>PLA2G3</i>	1	8
1	186863189	<i>PLA2G4A</i>	0	0
15	42139681	<i>PLA2G4B</i>	0	0
19	48601454	<i>PLA2G4C</i>	3	2
15	42379900	<i>PLA2G4D</i>	0	1
15	42342824	<i>PLA2G4E</i>	0	2
15	42442938	<i>PLA2G4F</i>	1	1
22	38565347	<i>PLA2G6</i>	1	6
6	46679323	<i>PLA2G7</i>	2	3
2	160798660	<i>PLA2R1</i>	1	7
9	26923303	<i>PLAA</i>	0	0
10	81901913	<i>PLAC9</i>	0	0
8	57078946	<i>PLAG1</i>	0	0
6	144263274	<i>PLAGL1</i>	0	0
20	30784801	<i>PLAGL2</i>	0	0
8	42040350	<i>PLAT</i>	0	1
10	75673748	<i>PLAU</i>	0	0
19	44156435	<i>PLAUR</i>	0	0
2	28789643	<i>PLB1</i>	4	12
12	14659206	<i>PLBD1</i>	0	0
12	113821966	<i>PLBD2</i>	1	0
20	8703083	<i>PLCB1</i>	0	0
15	40586554	<i>PLCB2</i>	0	5
11	64027666	<i>PLCB3</i>	1	0
20	9457429	<i>PLCB4</i>	0	1
3	38061766	<i>PLCD1</i>	0	1
2	219483350	<i>PLCD4</i>	0	2
10	95791445	<i>PLCE1</i>	0	4
20	39788723	<i>PLCG1</i>	1	1
16	81929527	<i>PLCG2</i>	0	1
3	155241740	<i>PLCH1</i>	0	1
1	2436262	<i>PLCH2</i>	0	8
2	198953652	<i>PLCL1</i>	0	1
3	17051705	<i>PLCL2</i>	0	0
3	111432752	<i>PLCXD2</i>	0	0
5	41475801	<i>PLCXD3</i>	0	0
12	18876332	<i>PLCZ1</i>	0	1
3	171455812	<i>PLD1</i>	0	2
17	4712617	<i>PLD2</i>	1	3
19	40880505	<i>PLD3</i>	0	0
14	105395204	<i>PLD4</i>	0	3

1	242428609	<i>PLD5</i>	0	0
17	17106267	<i>PLD6</i>	0	3
8	145027872	<i>PLEC</i>	0	0
2	68607863	<i>PLEK</i>	0	0
14	67862242	<i>PLEK2</i>	0	0
10	124157497	<i>PLEKHA1</i>	0	3
8	38827158	<i>PLEKHA2</i>	0	3
19	49340672	<i>PLEKHA4</i>	1	0
12	19496328	<i>PLEKHA5</i>	0	0
1	204237416	<i>PLEKHA6</i>	0	0
11	16812675	<i>PLEKHA7</i>	0	0
7	30129747	<i>PLEKHA8</i>	0	1
11	73357653	<i>PLEKHB1</i>	0	0
2	131897763	<i>PLEKHB2</i>	0	6
14	69994653	<i>PLEKHD1</i>	0	1
19	30164990	<i>PLEKHF1</i>	0	1
6	151130399	<i>PLEKHG1</i>	0	4
19	39914076	<i>PLEKHG2</i>	2	1
14	65209977	<i>PLEKHG3</i>	1	0
16	67322118	<i>PLEKHG4</i>	1	5
5	143235	<i>PLEKHG4B</i>	2	0
1	6534169	<i>PLEKHG5</i>	0	2
12	6426747	<i>PLEKHG6</i>	1	0
12	93148020	<i>PLEKHG7</i>	1	5
14	68053802	<i>PLEKHH1</i>	0	5
2	43927646	<i>PLEKHH2</i>	0	1
17	40823543	<i>PLEKHH3</i>	0	0
19	2235742	<i>PLEKHJ1</i>	0	1
1	16054610	<i>PLEKHM2</i>	0	1
2	208841960	<i>PLEKHM3</i>	0	0
1	906114	<i>PLEKHN1</i>	1	1
1	150131400	<i>PLEKHO1</i>	3	0
15	65152122	<i>PLEKHO2</i>	0	0
10	115529558	<i>PLEKHS1</i>	1	2
6	161152206	<i>PLG</i>	0	0
9	5358299	<i>PLGRKT</i>	0	0
15	90210158	<i>PLIN1</i>	1	0
9	19118397	<i>PLIN2</i>	3	0
19	4844785	<i>PLIN3</i>	0	0
19	4512870	<i>PLIN4</i>	9	34
19	4523753	<i>PLIN5</i>	0	0

16	23701282	<i>PLK1</i>	0	0
1	45266571	<i>PLK3</i>	0	0
4	128819618	<i>PLK4</i>	0	0
16	57295893	<i>PLLP</i>	0	0
1	12025667	<i>PLOD1</i>	0	2
3	145838895	<i>PLOD2</i>	0	0
7	100852227	<i>PLOD3</i>	0	0
5	54771166	<i>PLPP1</i>	0	0
19	282285	<i>PLPP2</i>	1	1
1	56989475	<i>PLPP3</i>	0	0
10	122278382	<i>PLPP4</i>	0	0
8	38124807	<i>PLPP5</i>	0	2
9	4662980	<i>PLPP6</i>	0	0
9	134165762	<i>PLPP7</i>	0	1
9	104032338	<i>PLPPR1</i>	0	0
19	11473347	<i>PLPPR2</i>	0	0
19	815750	<i>PLPPR3</i>	0	0
1	99730100	<i>PLPPR4</i>	0	0
1	99387628	<i>PLPPR5</i>	0	0
4	155471442	<i>PLRG1</i>	0	0
3	142395072	<i>PLS1</i>	0	1
3	146254363	<i>PLSCR1</i>	1	9
3	146177659	<i>PLSCR2</i>	3	2
3	145938693	<i>PLSCR4</i>	0	0
3	146311832	<i>PLSCR5</i>	1	4
20	44533644	<i>PLTP</i>	0	0
19	17476938	<i>PLVAP</i>	1	0
17	37224094	<i>PLXDC1</i>	0	2
10	20106059	<i>PLXDC2</i>	1	0
3	126736441	<i>PLXNA1</i>	0	0
1	208391034	<i>PLXNA2</i>	0	0
7	131883311	<i>PLXNA4</i>	0	0
3	48454187	<i>PLXNB1</i>	0	0
22	50726428	<i>PLXNB2</i>	0	0
12	94691130	<i>PLXNC1</i>	0	0
3	129277319	<i>PLXND1</i>	0	0
1	205811843	<i>PM20D1</i>	0	1
6	89864561	<i>PM20D2</i>	0	0
12	56349592	<i>PMEL</i>	1	1
1	156206181	<i>PMF1</i>	0	1
16	72163070	<i>PMFBP1</i>	1	5

15	74290647	<i>PML</i>	1	0
22	41985797	<i>PMM1</i>	0	0
16	8891754	<i>PMM2</i>	0	2
8	82357035	<i>PMP2</i>	0	0
9	139312480	<i>PMPCA</i>	0	2
7	102944829	<i>PMPCB</i>	1	0
2	190722244	<i>PMS1</i>	0	1
7	6026530	<i>PMS2</i>	0	0
1	154898884	<i>PMVK</i>	0	0
6	99852513	<i>PNISR</i>	0	1
2	219142725	<i>PNKD</i>	1	0
19	50367390	<i>PNKP</i>	2	5
6	160239644	<i>PNLDC1</i>	0	0
10	118314781	<i>PNLIP</i>	0	0
10	118364967	<i>PNLIPRP1</i>	3	4
10	118236260	<i>PNLIPRP3</i>	1	1
14	74180238	<i>PNMA1</i>	0	1
8	26366188	<i>PNMA2</i>	0	0
19	46973309	<i>PNMAL1</i>	0	1
19	46998372	<i>PNMAL2</i>	0	0
17	37826033	<i>PNMT</i>	1	1
14	39650785	<i>PNN</i>	0	2
2	68384775	<i>PNO1</i>	1	0
6	36259119	<i>PNPLA1</i>	0	0
11	821978	<i>PNPLA2</i>	1	2
22	44342181	<i>PNPLA3</i>	2	1
22	44285258	<i>PNPLA5</i>	1	4
19	7607772	<i>PNPLA6</i>	2	2
9	140374863	<i>PNPLA7</i>	4	5
7	108119731	<i>PNPLA8</i>	0	2
17	46020668	<i>PNPO</i>	0	1
2	55894232	<i>PNPT1</i>	0	1
6	89793699	<i>PNRC1</i>	0	0
3	52156398	<i>POC1A</i>	0	0
12	89891052	<i>POC1B</i>	2	1
5	74981284	<i>POC5</i>	0	1
1	53537266	<i>PODN</i>	0	0
19	14048728	<i>PODNL1</i>	1	2
7	131195621	<i>PODXL</i>	0	1
3	127358338	<i>PODXL2</i>	0	0
20	30816135	<i>POFUT1</i>	0	0

21	46689737	<i>POFUT2</i>	0	2
1	166818680	<i>POGK</i>	0	0
3	119196166	<i>POGLUT1</i>	0	0
1	151380710	<i>POGZ</i>	0	0
11	65049992	<i>POLA2</i>	1	0
8	42226797	<i>POLB</i>	0	0
19	50918728	<i>POLD1</i>	0	0
7	44155728	<i>POLD2</i>	0	0
11	74347299	<i>POLD3</i>	0	1
11	67120472	<i>POLD4</i>	0	0
22	42987962	<i>POLDIP3</i>	0	0
12	133215885	<i>POLE</i>	0	5
14	50117073	<i>POLE2</i>	0	3
9	116171185	<i>POLE3</i>	1	0
15	89864093	<i>POLG</i>	0	1
17	62474137	<i>POLG2</i>	0	1
6	43581586	<i>POLH</i>	0	0
18	51795903	<i>POLI</i>	0	1
5	74869661	<i>POLK</i>	0	4
10	103339276	<i>POLL</i>	0	4
7	44113400	<i>POLM</i>	0	4
4	2083359	<i>POLN</i>	7	13
3	121212489	<i>POLQ</i>	11	26
2	86266543	<i>POLR1A</i>	0	0
2	113332649	<i>POLR1B</i>	0	0
6	43488330	<i>POLR1C</i>	0	1
13	28197162	<i>POLR1D</i>	0	0
9	37495942	<i>POLR1E</i>	0	0
17	7415566	<i>POLR2A</i>	0	1
4	57887138	<i>POLR2B</i>	0	0
19	1091842	<i>POLR2E</i>	0	0
3	184081241	<i>POLR2H</i>	0	0
15	58001527	<i>POLR2M</i>	0	0
10	79781915	<i>POLR3A</i>	0	3
12	106838388	<i>POLR3B</i>	0	2
1	145608468	<i>POLR3C</i>	2	7
8	22106089	<i>POLR3D</i>	0	2
16	22339833	<i>POLR3E</i>	1	0
20	18454050	<i>POLR3F</i>	1	2
1	145457080	<i>POLR3GL</i>	0	2
22	41940067	<i>POLR3H</i>	0	1

16	103487	<i>POLR3K</i>	0	0
19	619099	<i>POLRMT</i>	0	1
7	75051252	<i>POM121C</i>	0	0
7	53103763	<i>POM121L12</i>	1	6
6	27279079	<i>POM121L2</i>	0	3
2	25384481	<i>POMC</i>	0	1
1	46658659	<i>POMGNT1</i>	0	4
3	43122560	<i>POMGNT2</i>	0	1
8	42977591	<i>POMK</i>	0	1
13	29242599	<i>POMP</i>	0	0
9	134393906	<i>POMT1</i>	0	1
14	77746759	<i>POMT2</i>	0	0
7	94944679	<i>PON1</i>	1	0
7	95041003	<i>PON2</i>	3	4
7	94992064	<i>PON3</i>	3	13
8	99168452	<i>POP1</i>	0	4
19	30097268	<i>POP4</i>	2	0
7	100304735	<i>POP7</i>	0	0
3	119378872	<i>POPDC2</i>	0	2
6	105607695	<i>POPDC3</i>	1	2
7	75611540	<i>POR</i>	1	3
13	38171350	<i>POSTN</i>	0	2
7	124491886	<i>POT1</i>	0	0
8	43197412	<i>POTEA</i>	1	9
3	87322561	<i>POU1F1</i>	0	2
11	111224983	<i>POU2AF1</i>	0	0
1	167381245	<i>POU2F1</i>	1	0
19	42598015	<i>POU2F2</i>	0	0
11	120173062	<i>POU2F3</i>	0	0
4	147560411	<i>POU4F2</i>	0	0
5	145719299	<i>POU4F3</i>	0	0
5	93077111	<i>POU5F2</i>	0	0
7	39247173	<i>POU6F2</i>	0	0
4	106320250	<i>PPA2</i>	0	0
19	10221020	<i>PPAN</i>	2	3
22	46611265	<i>PPARA</i>	0	0
6	35392537	<i>PPARD</i>	0	0
4	23815924	<i>PPARGC1A</i>	0	0
5	149212800	<i>PPARGC1B</i>	0	0
4	57267658	<i>PPAT</i>	0	0
20	62153151	<i>PPDPF</i>	0	4

4	76797770	<i>PPEF2</i>	1	13
11	70184471	<i>PPFIA1</i>	0	0
12	81760878	<i>PPFIA2</i>	0	0
19	49641534	<i>PPFIA3</i>	0	0
1	203015095	<i>PPFIA4</i>	0	0
12	27825407	<i>PPFIBP1</i>	1	2
11	7656840	<i>PPFIBP2</i>	1	2
12	42792751	<i>PPHLN1</i>	0	0
15	64455177	<i>PPIB</i>	0	0
5	122364543	<i>PPIC</i>	0	1
4	159631991	<i>PPID</i>	1	7
1	40228259	<i>PPIE</i>	0	5
10	81112110	<i>PPIF</i>	0	0
2	170493677	<i>PPIG</i>	0	1
6	36842552	<i>PPIL1</i>	0	1
22	22049097	<i>PPIL2</i>	0	1
2	201750426	<i>PPIL3</i>	0	1
6	149862721	<i>PPIL4</i>	0	0
6	109721303	<i>PPIL6</i>	0	3
15	43827397	<i>PPIP5K1</i>	0	0
5	102519087	<i>PPIP5K2</i>	0	2
16	4944478	<i>PPL</i>	4	2
14	60749769	<i>PPM1A</i>	0	0
2	44428390	<i>PPM1B</i>	0	0
17	58740737	<i>PPM1D</i>	1	12
17	57046980	<i>PPM1E</i>	0	1
22	22277571	<i>PPM1F</i>	0	1
2	27604574	<i>PPM1G</i>	2	2
12	63195739	<i>PPM1H</i>	0	1
1	113253230	<i>PPM1J</i>	0	1
4	89199318	<i>PPM1K</i>	0	1
3	160783222	<i>PPM1L</i>	0	0
3	52281742	<i>PPM1M</i>	0	0
19	46002583	<i>PPM1N</i>	0	0
11	73962768	<i>PPME1</i>	0	0
1	161136718	<i>PPOX</i>	0	0
11	67166039	<i>PPP1CA</i>	0	0
12	111160076	<i>PPP1CC</i>	0	5
12	80215962	<i>PPP1R12A</i>	0	0
1	202509272	<i>PPP1R12B</i>	0	1
19	55623871	<i>PPP1R12C</i>	0	1

14	104202439	PPP1R13B	0	0
19	45899645	PPP1R13L	2	0
19	38743591	PPP1R14A	0	0
6	150535880	PPP1R14C	0	0
19	49377395	PPP1R15A	0	3
1	204380024	PPP1R15B	0	2
8	145726218	PPP1R16A	0	0
20	37546904	PPP1R16B	0	0
7	31732089	PPP1R17	0	1
12	54975842	PPP1R1A	0	0
17	37785758	PPP1R1B	0	0
2	182928528	PPP1R1C	0	1
2	48713852	PPP1R21	0	1
9	138377301	PPP1R26	0	0
17	79791707	PPP1R27	0	0
11	61252216	PPP1R32	1	2
7	100033296	PPP1R35	0	0
14	65055906	PPP1R36	1	4
7	113517955	PPP1R3A	3	20
8	8999019	PPP1R3B	0	0
10	93392767	PPP1R3C	0	0
20	58514248	PPP1R3D	3	20
6	5085953	PPP1R3G	0	0
8	67922949	PPP1R42	1	16
2	242122190	PPP1R7	0	0
1	28176716	PPP1R8	0	0
7	94917894	PPP1R9A	0	0
11	111618673	PPP2R1B	1	9
5	146017908	PPP2R2B	0	0
4	6374263	PPP2R2C	1	1
3	135720851	PPP2R3A	0	0
14	35565813	PPP2R3C	0	0
9	131904850	PPP2R4	0	0
1	212506895	PPP2R5A	0	0
11	64694209	PPP2R5B	0	0
6	42976498	PPP2R5D	0	0
4	101953503	PPP3CA	0	0
8	22398278	PPP3CC	0	1
9	104357003	PPP3R2	1	1
18	9563499	PPP4R1	0	0
3	73114209	PPP4R2	0	0

14	92040763	PPP4R3A	1	1
2	55800846	PPP4R3B	0	0
14	94696968	PPP4R4	0	0
19	46891812	PPP5C	0	0
9	127934207	PPP6C	0	0
19	55748128	PPP6R1	1	0
22	50877166	PPP6R2	0	0
11	68370922	PPP6R3	0	0
10	103897768	PPRC1	0	0
1	40556965	PPT1	0	3
5	64883139	PPWD1	0	0
18	77703401	PQLC1	0	0
1	19652872	PQLC2	0	0
3	157289806	PQLC2L	0	6
19	8563834	PRAM1	0	0
22	22892449	PRAME	1	2
1	12837311	PRAMEF12	0	0
10	135160892	PRAP1	0	0
12	11421044	PRB3	0	0
12	11463260	PRB4	0	1
15	91528040	PRC1	1	1
1	156756903	PRCC	0	0
11	82564255	PRCP	0	3
6	106536165	PRDM1	0	0
11	129784755	PRDM10	0	3
11	45241268	PRDM11	0	0
6	100061075	PRDM13	0	0
8	70980772	PRDM14	0	0
21	43242352	PRDM15	0	1
1	3331175	PRDM16	0	0
1	14220143	PRDM2	8	20
12	108154239	PRDM4	0	5
4	121631560	PRDM5	0	0
5	122435449	PRDM6	0	1
16	90130162	PRDM7	0	2
5	23523408	PRDM9	1	1
1	45981442	PRDX1	0	1
10	120938310	PRDX3	0	0
11	64088471	PRDX5	0	1
2	27355991	PREB	0	0
5	145197507	PRELID2	1	2

18	12429364	<i>PRELID3A</i>	0	1
1	203455958	<i>PRELP</i>	0	0
6	105776792	<i>PREP</i>	0	0
2	44548557	<i>PREPL</i>	0	1
20	47253150	<i>PREX1</i>	0	0
8	69011944	<i>PREX2</i>	0	0
10	72358663	<i>PRF1</i>	0	1
11	57155246	<i>PRG2</i>	0	0
11	57144315	<i>PRG3</i>	2	0
1	186276661	<i>PRG4</i>	0	2
12	11090993	<i>PRH1</i>	0	3
12	42854436	<i>PRICKLE1</i>	0	0
3	64132741	<i>PRICKLE2</i>	0	0
6	41753136	<i>PRICKLE4</i>	0	3
12	57133086	<i>PRIM1</i>	0	0
4	185612821	<i>PRIMPOL</i>	0	6
5	40762949	<i>PRKAA1</i>	0	0
1	57170001	<i>PRKAA2</i>	0	1
12	120106217	<i>PRKAB1</i>	0	2
1	146643555	<i>PRKAB2</i>	0	0
19	14218166	<i>PRKACA</i>	0	0
1	84648011	<i>PRKACB</i>	0	1
9	71628286	<i>PRKACG</i>	0	0
12	49412475	<i>PRKAG1</i>	0	0
7	151273524	<i>PRKAG2</i>	0	0
2	219688966	<i>PRKAG3</i>	0	1
7	618986	<i>PRKAR1B</i>	0	0
3	48820508	<i>PRKAR2A</i>	0	0
17	64731708	<i>PRKCA</i>	0	0
16	24135263	<i>PRKCB</i>	0	0
3	53217491	<i>PRKCD</i>	0	0
11	6340496	<i>PRKCDBP</i>	3	5
19	54385805	<i>PRKCG</i>	0	0
14	61997226	<i>PRKCH</i>	0	1
10	6531350	<i>PRKCQ</i>	0	0
19	11557167	<i>PRKCSH</i>	0	0
1	2103727	<i>PRKCZ</i>	0	3
14	30046511	<i>PRKD1</i>	0	1
19	47204341	<i>PRKD2</i>	3	0
2	37543500	<i>PRKD3</i>	0	0
10	54053642	<i>PRKG1</i>	0	1

4	82013525	<i>PRKG2</i>	1	1
7	102045078	<i>PRKRIP1</i>	0	0
6	22297216	<i>PRL</i>	0	0
2	238475737	<i>PRLH</i>	0	1
10	120354350	<i>PRLHR</i>	0	1
5	35072712	<i>PRLR</i>	0	0
16	11375027	<i>PRM1</i>	0	0
16	11370189	<i>PRM2</i>	0	0
16	11367198	<i>PRM3</i>	0	2
21	48069603	<i>PRMT2</i>	0	3
11	20409662	<i>PRMT3</i>	0	4
14	23397426	<i>PRMT5</i>	0	0
1	107599918	<i>PRMT6</i>	0	0
16	68371447	<i>PRMT7</i>	0	1
4	148601602	<i>PRMT9</i>	1	0
20	4705407	<i>PRND</i>	0	0
20	4680089	<i>PRNP</i>	1	1
5	138729296	<i>PROB1</i>	0	0
2	128186297	<i>PROC</i>	0	0
17	27030713	<i>PROCA1</i>	1	1
20	33759940	<i>PROCR</i>	0	1
22	18905882	<i>PRODH</i>	0	1
19	36303420	<i>PRODH2</i>	2	1
1	110993853	<i>PROK1</i>	0	0
3	71821933	<i>PROK2</i>	0	5
2	68873059	<i>PROKR1</i>	0	0
20	5283039	<i>PROKR2</i>	0	1
4	71275717	<i>PROL1</i>	0	0
4	16020080	<i>PROM1</i>	1	3
2	95947099	<i>PROM2</i>	0	2
5	177419920	<i>PROP1</i>	0	2
3	93611972	<i>PROS1</i>	0	0
8	37623273	<i>PROSC</i>	0	1
13	39591608	<i>PROSER1</i>	0	0
10	11894195	<i>PROSER2</i>	0	0
19	36257805	<i>PROSER3</i>	0	2
1	214170061	<i>PROX1</i>	0	0
14	75330157	<i>PROX2</i>	0	1
13	113824824	<i>PROZ</i>	0	5
10	13672334	<i>PRPF18</i>	0	0
11	60666067	<i>PRPF19</i>	0	0

19	54625864	PRPF31	0	0
1	109238407	PRPF38B	0	0
14	45565422	PRPF39	0	1
9	116044998	PRPF4	0	0
2	153520465	PRPF40A	0	0
12	50028975	PRPF40B	0	0
6	4041016	PRPF4B	0	0
20	62614499	PRPF6	0	1
17	1579142	PRPF8	0	1
12	49689009	PRPH	1	0
6	42666145	PRPH2	0	0
7	18066569	PRPS1L1	0	0
17	18775969	PRPSAP2	0	1
17	57278980	PRR11	1	10
19	50119097	PRR12	0	0
16	30665624	PRR14	0	0
22	32108838	PRR14L	0	5
7	29606140	PRR15	0	0
5	120021817	PRR16	0	1
19	42814809	PRR19	0	0
2	240981362	PRR21	1	1
19	5783322	PRR22	0	0
16	855518	PRR25	1	6
4	71020107	PRR27	0	0
2	27360998	PRR30	4	3
16	615154	PRR35	0	0
22	45132761	PRR5	0	5
11	36453466	PRR5L	0	0
5	126874743	PRRC1	0	0
9	134351251	PRRC2B	0	0
1	171509221	PRRC2C	0	0
19	50093617	PRRG2	1	0
11	32874974	PRRG4	0	0
16	29825126	PRRT2	0	3
3	9991429	PRRT3	0	0
7	127999291	PRRT4	0	1
1	170688830	PRRX1	0	0
7	142460394	PRSS1	0	0
4	119237456	PRSS12	0	7
6	27219732	PRSS16	0	0
16	2868783	PRSS21	0	0

16	2903977	PRSS22	0	0
11	86519399	PRSS23	0	0
16	2763611	PRSS27	0	0
9	33797928	PRSS3	5	12
16	2834657	PRSS33	0	1
6	84234336	PRSS35	0	3
16	31151941	PRSS36	0	6
7	141539188	PRSS37	0	3
1	228003494	PRSS38	0	0
16	2855044	PRSS41	0	0
3	46874670	PRSS42	1	0
3	46783919	PRSS45	0	1
4	152204404	PRSS48	1	0
3	46759204	PRSS50	0	1
16	31099000	PRSS53	0	1
16	58319991	PRSS54	0	0
8	10387102	PRSS55	0	1
19	687035	PRSS57	1	14
7	141952343	PRSS58	0	0
16	31146742	PRSS8	0	0
10	25138766	PRTFDC1	0	1
15	56035030	PRTG	0	3
19	844020	PRTN3	0	0
1	150999765	PRUNE	0	0
9	79318313	PRUNE2	5	10
19	40900457	PRX	0	2
10	73579607	PSAP	0	0
4	7436312	PSAPL1	1	10
8	143762873	PSCA	0	0
10	104170841	PSD	0	0
5	139219659	PSD2	0	1
8	18729328	PSD3	0	1
2	113951154	PSD4	0	0
14	73640325	PSEN1	0	0
1	227078995	PSEN2	0	0
9	15466846	PSIP1	0	0
16	67961410	PSKH1	0	0
8	87076623	PSKH2	1	2
11	14540589	PSMA1	1	2
14	35782253	PSMA6	0	0
20	60714906	PSMA7	0	0

18	23731865	<i>PSMA8</i>	0	3
6	170855221	<i>PSMB1</i>	0	0
16	67968487	<i>PSMB10</i>	0	1
14	23512056	<i>PSMB11</i>	1	29
1	36096914	<i>PSMB2</i>	0	0
1	151374025	<i>PSMB4</i>	0	0
14	23504085	<i>PSMB5</i>	0	0
17	4701711	<i>PSMB6</i>	0	0
9	127215772	<i>PSMB7</i>	0	0
17	40729204	<i>PSMC3IP</i>	0	1
2	231927334	<i>PSMD1</i>	0	0
17	30771589	<i>PSMD11</i>	0	0
11	244414	<i>PSMD13</i>	0	0
3	184025306	<i>PSMD2</i>	0	0
17	38140605	<i>PSMD3</i>	0	0
1	151237376	<i>PSMD4</i>	0	0
9	123586737	<i>PSMD5</i>	0	0
3	63996380	<i>PSMD6</i>	0	0
16	74339493	<i>PSMD7</i>	0	0
19	38867017	<i>PSMD8</i>	0	0
12	122353791	<i>PSMD9</i>	0	0
14	24607293	<i>PSME1</i>	0	0
2	54131273	<i>PSME4</i>	0	0
20	1106201	<i>PSMF1</i>	0	0
21	40547555	<i>PSMG1</i>	0	1
18	12718599	<i>PSMG2</i>	0	0
7	1607486	<i>PSMG3</i>	0	0
7	56087379	<i>PSPH</i>	0	0
19	6375815	<i>PSPN</i>	0	0
1	109824361	<i>PSRC1</i>	0	1
10	124749826	<i>PSTK</i>	1	0
15	77327859	<i>PSTPIP1</i>	0	1
18	43573596	<i>PSTPIP2</i>	1	0
1	28477451	<i>PTAFR</i>	0	0
9	72347242	<i>PTAR1</i>	0	0
19	806469	<i>PTBP1</i>	0	2
9	115024796	<i>PTBP3</i>	0	0
7	99022581	<i>PTCD1</i>	1	4
5	71630840	<i>PTCD2</i>	0	2
2	86358190	<i>PTCD3</i>	0	0
9	98268854	<i>PTCH1</i>	2	2

1	45288909	<i>PTCH2</i>	0	2
1	11561931	<i>PTCHD2</i>	1	1
10	27702261	<i>PTCHD3</i>	8	31
6	47846507	<i>PTCHD4</i>	0	1
6	42890930	<i>PTCRA</i>	1	2
8	97285617	<i>PTDSS1</i>	0	0
11	490036	<i>PTDSS2</i>	0	0
10	16526554	<i>PTER</i>	0	0
14	52735296	<i>PTGDR</i>	0	3
11	60620983	<i>PTGDR2</i>	0	0
9	139875192	<i>PTGDS</i>	0	0
19	14583534	<i>PTGER1</i>	3	4
14	52782037	<i>PTGER2</i>	0	0
1	71437404	<i>PTGER3</i>	6	32
5	40681254	<i>PTGER4</i>	0	0
9	130885323	<i>PTGES2</i>	0	1
17	41131622	<i>PTGES3L</i>	0	1
1	78959081	<i>PTGFR</i>	0	2
1	117491899	<i>PTGFRN</i>	0	0
19	47124648	<i>PTGIR</i>	0	0
20	48140727	<i>PTGIS</i>	2	1
9	114359658	<i>PTGR1</i>	0	6
14	74325620	<i>PTGR2</i>	0	0
9	125148840	<i>PTGS1</i>	0	0
1	186643803	<i>PTGS2</i>	0	0
3	46925136	<i>PTH1R</i>	0	0
19	49925728	<i>PTH2</i>	0	1
2	209345863	<i>PTH2R</i>	1	1
8	141856692	<i>PTK2</i>	0	0
8	27255263	<i>PTK2B</i>	0	2
20	62165647	<i>PTK6</i>	1	5
6	43044304	<i>PTK7</i>	0	1
7	136935990	<i>PTN</i>	0	0
19	50358133	<i>PTOV1</i>	0	0
8	142437830	<i>PTP4A3</i>	0	0
9	96857642	<i>PTPDC1</i>	0	0
11	47593180	<i>PTPMT1</i>	4	19
20	49181481	<i>PTPN1</i>	0	0
7	77261696	<i>PTPN12</i>	0	2
4	87720333	<i>PTPN13</i>	0	3
1	214625240	<i>PTPN14</i>	0	0

2	131128207	<i>PTPN18</i>	0	0
14	88938600	<i>PTPN21</i>	0	0
1	114380303	<i>PTPN22</i>	0	3
3	47447901	<i>PTPN23</i>	0	3
9	112211057	<i>PTPN3</i>	1	1
2	120567445	<i>PTPN4</i>	0	1
11	18765673	<i>PTPN5</i>	0	1
12	7069901	<i>PTPN6</i>	0	1
1	202128573	<i>PTPN7</i>	0	4
15	75772260	<i>PTPN9</i>	0	1
20	3016504	<i>PTPRA</i>	0	1
12	70970346	<i>PTPRB</i>	1	0
1	198697435	<i>PTPRC</i>	1	2
11	67203442	<i>PTPRCAP</i>	0	1
9	8504361	<i>PTPRD</i>	0	1
10	129870463	<i>PTPRE</i>	1	1
1	44067791	<i>PTPRF</i>	0	0
3	62240821	<i>PTPRG</i>	0	0
19	55697593	<i>PTPRH</i>	9	24
11	48153019	<i>PTPRJ</i>	0	0
6	128316430	<i>PTPRK</i>	0	2
18	7888213	<i>PTPRM</i>	0	2
2	220156146	<i>PTPRN</i>	0	0
7	157959879	<i>PTPRN2</i>	0	0
12	15722354	<i>PTPRO</i>	0	1
12	80940466	<i>PTPRQ</i>	0	3
12	71147994	<i>PTPRR</i>	0	0
19	5210782	<i>PTPRS</i>	0	0
20	40877462	<i>PTPRT</i>	0	0
1	29631360	<i>PTPRU</i>	0	0
7	121678841	<i>PTPRZ1</i>	0	0
17	40574849	<i>PTRF</i>	2	0
9	130477810	<i>PTRH1</i>	0	0
17	57776277	<i>PTRH2</i>	0	0
21	46271432	<i>PTTG1IP</i>	0	1
4	37962133	<i>PTTG2</i>	0	0
3	157154839	<i>PTX3</i>	0	0
16	1536372	<i>PTX4</i>	0	1
8	144906528	<i>PUF60</i>	0	0
1	31479869	<i>PUM1</i>	0	0
2	20463100	<i>PUM2</i>	0	0

9	2820069	<i>PUM3</i>	0	5
12	132426264	<i>PUS1</i>	0	2
2	61189947	<i>PUS10</i>	0	0
11	125763859	<i>PUS3</i>	1	1
7	105099700	<i>PUS7</i>	1	0
12	44142258	<i>PUS7L</i>	2	0
1	1246327	<i>PUSL1</i>	0	4
22	37209762	<i>PVALB</i>	0	1
19	45162069	<i>PVR</i>	0	2
7	99818186	<i>PVRIG</i>	1	0
11	119535541	<i>PVRL1</i>	0	0
19	45375273	<i>PVRL2</i>	1	0
3	110837726	<i>PVRL3</i>	0	0
1	161047220	<i>PVRL4</i>	0	0
12	108082238	<i>PWP1</i>	1	0
21	45544594	<i>PWP2</i>	0	0
5	159519956	<i>PWWP2A</i>	0	0
10	134219351	<i>PWWP2B</i>	1	6
2	1667405	<i>PXDN</i>	0	2
8	52252193	<i>PXDNL</i>	0	2
3	58395891	<i>PXK</i>	0	0
12	133272473	<i>PXMP2</i>	3	20
20	32302524	<i>PXMP4</i>	0	0
12	120653448	<i>PXN</i>	3	9
3	140997263	<i>PXYLP1</i>	0	0
16	31213083	<i>PYCARD</i>	2	4
17	79894596	<i>PYCR1</i>	0	1
1	226109699	<i>PYCR2</i>	0	3
8	144688026	<i>PYCRL</i>	1	0
3	191179074	<i>PYDC2</i>	0	0
20	25259722	<i>PYGB</i>	0	0
14	51410975	<i>PYGL</i>	0	0
11	64526164	<i>PYGM</i>	1	6
15	55838452	<i>PYGO1</i>	0	0
1	158908886	<i>PYHIN1</i>	0	3
12	21608984	<i>PYROXD1</i>	0	4
10	100174839	<i>PYROXD2</i>	1	3
4	89443118	<i>PYURF</i>	0	0
12	9333657	<i>PZP</i>	14	27
3	49137854	<i>QARS</i>	0	0
4	17510945	<i>QDPR</i>	0	1

2	37595839	QPCT	1	1
19	46201812	QPCTL	0	1
16	29708657	QPRT	0	0
9	133769123	QRFQ	0	0
4	122258026	QRFPR	0	2
3	49068026	QRICH1	0	1
17	74277983	QRICH2	2	3
6	107100364	QRSL1	0	0
11	32956492	QSER1	0	0
1	180165458	QSOX1	0	0
9	139118667	QSOX2	0	2
19	10822931	QTRT1	0	0
3	113795604	QTRTD1	0	1
8	23148978	R3HCC1	0	2
10	99969507	R3HCC1L	0	5
2	136481778	R3HDM1	0	0
12	57691932	R3HDM2	0	0
19	899444	R3HDM4	0	0
20	42979444	R3HDML	3	14
8	37729347	RAB11FIP1	0	0
10	119774577	RAB11FIP2	0	1
16	511412	RAB11FIP3	0	1
17	29850608	RAB11FIP4	0	0
2	73302664	RAB11FIP5	0	0
1	153956030	RAB13	0	0
14	65417070	RAB15	0	0
2	238483197	RAB17	0	1
7	140125750	RAB19	0	0
13	111213717	RAB20	0	0
12	72164395	RAB21	0	0
6	57061345	RAB23	0	4
5	176729193	RAB24	0	0
1	156031174	RAB25	0	1
16	2203231	RAB26	0	1
15	55497777	RAB27A	0	1
1	205744054	RAB29	0	0
18	9775362	RAB31	0	0
6	146865181	RAB32	0	0
4	140394037	RAB33B	1	0
17	27041729	RAB34	0	1
22	23503170	RAB36	0	2

17	72741505	<i>RAB37</i>	0	1
11	87908502	<i>RAB38</i>	1	0
19	18308430	<i>RAB3A</i>	0	0
1	52385743	<i>RAB3B</i>	0	0
5	58021921	<i>RAB3C</i>	0	0
19	11446403	<i>RAB3D</i>	0	1
2	135872909	<i>RAB3GAP1</i>	0	1
1	220325008	<i>RAB3GAP2</i>	0	0
11	61672013	<i>RAB3IL1</i>	0	1
12	70188285	<i>RAB3IP</i>	0	0
17	80615788	<i>RAB40B</i>	0	0
1	28920274	<i>RAB42</i>	0	0
1	229433334	<i>RAB4A</i>	0	0
19	41313772	<i>RAB4B</i>	0	0
3	20025234	<i>RAB5A</i>	0	0
12	56383858	<i>RAB5B</i>	0	0
17	40282473	<i>RAB5C</i>	0	0
11	73388936	<i>RAB6A</i>	0	0
3	133553468	<i>RAB6B</i>	0	0
19	42461195	<i>RABAC1</i>	0	0
17	5264916	<i>RABEP1</i>	0	0
16	28916733	<i>RABEP2</i>	0	0
9	127965283	<i>RABEPK</i>	3	22
9	125772758	<i>RABGAP1</i>	0	1
1	174363265	<i>RABGAP1L</i>	0	1
14	24734857	<i>RABGGTA</i>	0	1
3	120409350	<i>RABL3</i>	0	0
9	139730209	<i>RABL6</i>	0	1
17	79991621	<i>RAC3</i>	0	0
12	50386142	<i>RACGAP1</i>	0	1
5	34914899	<i>RAD1</i>	0	1
5	68687828	<i>RAD17</i>	0	0
3	8923080	<i>RAD18</i>	1	1
8	117862962	<i>RAD21</i>	0	0
20	1235040	<i>RAD21L1</i>	0	1
19	13059107	<i>RAD23A</i>	0	0
9	110087179	<i>RAD23B</i>	0	0
5	131972893	<i>RAD50</i>	1	4
15	41021778	<i>RAD51</i>	0	0
12	4651060	<i>RAD51AP1</i>	2	15
2	17697634	<i>RAD51AP2</i>	1	4

14	68331839	<i>RAD51B</i>	0	2
17	56783857	<i>RAD51C</i>	0	0
17	33445549	<i>RAD51D</i>	0	2
12	1039039	<i>RAD52</i>	0	0
8	95419836	<i>RAD54B</i>	1	2
1	46739819	<i>RAD54L</i>	0	1
3	51697137	<i>RAD54L2</i>	0	0
11	67164788	<i>RAD9A</i>	0	0
12	110969389	<i>RAD9B</i>	0	1
7	4856051	<i>RADIL</i>	0	3
20	55940492	<i>RAE1</i>	0	0
6	150210681	<i>RAET1E</i>	0	3
6	150239330	<i>RAET1G</i>	0	0
3	12641811	<i>RAF1</i>	0	0
11	36595431	<i>RAG1</i>	0	2
11	36614561	<i>RAG2</i>	1	2
17	17697912	<i>RAI1</i>	1	0
5	34811131	<i>RAI14</i>	0	0
7	39726270	<i>RALA</i>	0	0
18	9535836	<i>RALBP1</i>	0	1
14	36207848	<i>RALGAPA1</i>	0	0
20	20493402	<i>RALGAPA2</i>	1	6
20	37182605	<i>RALGAPB</i>	0	0
9	135983504	<i>RALGDS</i>	0	0
9	129958819	<i>RALGPS1</i>	0	0
1	178855282	<i>RALGPS2</i>	0	0
20	32664601	<i>RALY</i>	0	0
8	85097239	<i>RALYL</i>	0	1
2	238820305	<i>RAMP1</i>	1	8
7	45216927	<i>RAMP3</i>	0	0
16	67760424	<i>RANBP10</i>	0	0
5	170343540	<i>RANBP17</i>	1	4
2	109382212	<i>RANBP2</i>	0	0
19	5932533	<i>RANBP3</i>	0	0
5	36271325	<i>RANBP3L</i>	0	0
9	6014111	<i>RANBP6</i>	0	1
6	13711204	<i>RANBP9</i>	0	0
22	41648900	<i>RANGAP1</i>	0	0
17	8192277	<i>RANGRF</i>	0	0
1	21930283	<i>RAP1GAP</i>	0	0
17	2898631	<i>RAP1GAP2</i>	0	0

4	99273635	<i>RAP1GDS1</i>	0	0
9	134518786	<i>RAPGEF1</i>	1	0
4	160274996	<i>RAPGEF2</i>	0	0
12	48134169	<i>RAPGEF3</i>	0	2
2	173883490	<i>RAPGEF4</i>	0	0
7	22306652	<i>RAPGEF5</i>	0	1
5	130815259	<i>RAPGEF6</i>	2	0
17	38347672	<i>RAPGEFL1</i>	0	0
2	204304958	<i>RAPH1</i>	0	1
11	47463220	<i>RAPSN</i>	0	0
17	38512487	<i>RARA</i>	0	0
12	53607864	<i>RARG</i>	0	0
7	150037660	<i>RARRES2</i>	0	2
11	63304323	<i>RARRES3</i>	0	0
5	167937607	<i>RARS</i>	0	1
6	88279282	<i>RARS2</i>	0	1
5	86670144	<i>RASA1</i>	0	0
3	141305627	<i>RASA2</i>	0	0
13	114765082	<i>RASA3</i>	0	0
12	113542047	<i>RASAL1</i>	0	1
1	178427559	<i>RASAL2</i>	0	0
19	15565608	<i>RASAL3</i>	0	2
17	17398801	<i>RASD1</i>	0	1
9	85615940	<i>RASEF</i>	0	3
10	43696279	<i>RASGEF1A</i>	0	0
4	82368723	<i>RASGEF1B</i>	0	0
5	179563483	<i>RASGEF1C</i>	0	1
15	79277327	<i>RASGRF1</i>	0	2
5	80369065	<i>RASGRF2</i>	0	1
15	38794572	<i>RASGRP1</i>	0	1
11	64509481	<i>RASGRP2</i>	0	3
2	33787760	<i>RASGRP3</i>	1	2
19	38905715	<i>RASGRP4</i>	1	0
19	49230716	<i>RASIP1</i>	0	0
13	27845763	<i>RASL11A</i>	0	0
4	53728653	<i>RASL11B</i>	0	1
15	65357537	<i>RASL12</i>	0	0
3	50368873	<i>RASSF1</i>	0	0
11	13031112	<i>RASSF10</i>	0	0
20	4770275	<i>RASSF2</i>	0	0
12	65004520	<i>RASSF3</i>	0	0

10	45478430	RASSF4	2	3
1	206760355	RASSF5	0	0
4	74447550	RASSF6	0	1
11	562473	RASSF7	0	1
12	26218163	RASSF8	0	1
12	86199683	RASSF9	0	0
19	10434150	RAVER1	0	0
1	65234319	RAVER2	0	0
19	3771621	RAX2	0	0
13	48955458	RB1	0	0
8	53540695	RB1CC1	0	0
7	5103699	RBAK	0	0
16	24582698	RBBP6	0	1
18	20529688	RBBP8	0	1
20	60989185	RBBP8NL	0	0
20	18470552	RBBP9	0	0
20	397940	RBCK1	0	0
18	77805856	RBFA	0	0
16	7629862	RBFOX1	1	1
22	36156027	RBFOX2	4	0
17	77093850	RBFOX3	0	0
2	28032926	RBKS	6	46
20	35690560	RBL1	0	3
16	53513062	RBL2	0	0
21	15599536	RBM11	0	2
20	34241176	RBM12	0	0
8	94746249	RBM12B	2	4
11	66410940	RBM14	0	0
1	110882627	RBM15	0	1
3	51429262	RBM15B	0	0
9	125004244	RBM18	0	0
12	114395651	RBM19	1	2
10	112541168	RBM20	0	2
5	150080565	RBM22	0	0
14	23380534	RBM23	0	0
6	17292077	RBM24	0	0
14	73544094	RBM25	0	0
13	79945207	RBM26	0	0
5	145634609	RBM27	7	24
7	127963545	RBM28	0	4
7	155567274	RBM33	0	1

1	235295195	<i>RBM34</i>	0	2
20	55982767	<i>RBM38</i>	0	0
19	36120483	<i>RBM42</i>	0	0
2	152107618	<i>RBM43</i>	2	17
2	238725716	<i>RBM44</i>	0	2
4	155720184	<i>RBM46</i>	1	0
4	40439924	<i>RBM47</i>	0	0
7	92164130	<i>RBM48</i>	0	0
11	66436488	<i>RBM4B</i>	0	0
3	50155829	<i>RBM5</i>	0	0
3	50114515	<i>RBM6</i>	0	0
2	161137888	<i>RBMS1</i>	0	0
12	56982155	<i>RBMS2</i>	1	0
3	29925702	<i>RBMS3</i>	0	0
1	89449168	<i>RBMXL1</i>	0	0
11	7110363	<i>RBMXL2</i>	0	0
3	139257650	<i>RBP1</i>	0	2
10	48389841	<i>RBP3</i>	0	0
12	7281317	<i>RBP5</i>	0	1
1	10075898	<i>RBP7</i>	0	0
20	43945446	<i>RBPJL</i>	0	1
8	30407079	<i>RBPM5</i>	0	0
3	15123997	<i>RBSN</i>	2	2
1	173916577	<i>RC3H1</i>	0	0
9	125621194	<i>RC3H2</i>	0	1
21	35897522	<i>RCAN1</i>	2	2
6	46216589	<i>RCAN2</i>	0	0
1	24840882	<i>RCAN3</i>	0	0
13	50123785	<i>RCBTB1</i>	1	0
13	49064221	<i>RCBTB2</i>	0	1
1	28861771	<i>RCC1</i>	0	0
15	91503195	<i>RCCD1</i>	0	0
9	4844546	<i>RCL1</i>	0	0
15	77241542	<i>RCN2</i>	0	0
19	50045916	<i>RCN3</i>	0	4
11	63682359	<i>RCOR2</i>	0	0
1	211432908	<i>RCOR3</i>	0	1
1	167666353	<i>RCSD1</i>	0	2
17	9804388	<i>RCVRN</i>	0	1
1	211652447	<i>RD3</i>	0	0
8	74205871	<i>RDH10</i>	0	0

14	68151839	<i>RDH11</i>	0	0
14	68191821	<i>RDH12</i>	0	1
19	55568085	<i>RDH13</i>	0	3
12	57346741	<i>RDH16</i>	0	7
12	56117700	<i>RDH5</i>	0	1
19	10129555	<i>RDH8</i>	0	0
11	110150368	<i>RDX</i>	0	0
15	73766211	<i>REC114</i>	0	0
14	24646406	<i>REC8</i>	0	2
9	36087746	<i>RECK</i>	0	2
12	21652490	<i>RECQL</i>	0	5
8	145736858	<i>RECQL4</i>	1	3
17	73625852	<i>RECQL5</i>	0	2
2	86509398	<i>REEP1</i>	0	1
8	21996453	<i>REEP4</i>	0	1
5	112222787	<i>REEP5</i>	0	0
19	1497261	<i>REEP6</i>	0	0
2	79312345	<i>REG1B</i>	0	1
2	79254986	<i>REG3G</i>	0	1
1	120345586	<i>REG4</i>	0	1
2	61145665	<i>REL</i>	0	0
11	65423130	<i>RELA</i>	0	0
4	37636526	<i>RELL1</i>	0	1
5	141019816	<i>RELL2</i>	0	1
7	103202327	<i>RELN</i>	0	0
11	73105676	<i>RELT</i>	0	0
20	30070233	<i>REM1</i>	1	0
14	23353896	<i>REM2</i>	1	8
1	204135377	<i>REN</i>	1	1
7	150069206	<i>REPIN1</i>	0	0
6	139226221	<i>REPS1</i>	0	0
1	8418655	<i>RERE</i>	0	3
12	15264272	<i>RERG</i>	0	0
12	18241826	<i>RERGL</i>	3	9
2	220193686	<i>RESP18</i>	2	2
4	57796914	<i>REST</i>	0	0
10	43595968	<i>RET</i>	0	1
2	85571254	<i>RETSAT</i>	2	7
2	100081431	<i>REV1</i>	0	2
6	111694187	<i>REV3L</i>	0	1
19	1827801	<i>REXO1</i>	0	0

9	136279935	REXO4	0	2
4	39306471	RFC1	1	4
7	73668615	RFC2	0	0
13	34392333	RFC3	0	1
3	186508124	RFC4	0	1
12	118456867	RFC5	0	0
5	94990005	RFESD	0	0
17	33348541	RFFL	0	0
17	80006958	RFNG	0	0
22	29838088	RFPL1	0	0
19	56273209	RFPL4A	0	0
6	112671611	RFPL4B	0	2
3	53138000	RFT1	0	3
3	16411668	RFTN1	0	3
2	198436795	RFTN2	0	0
1	176104220	RFWD2	0	0
16	74695079	RFWD3	0	1
19	14079434	RFX1	0	0
19	6040135	RFX2	0	0
9	3301585	RFX3	0	1
12	107080749	RFX4	0	0
1	151315018	RFX5	0	0
6	117243322	RFX6	0	1
15	56535406	RFX7	0	0
2	102038203	RFX8	2	0
19	19310047	RFXANK	0	0
13	37399630	RFXAP	0	0
1	183881318	RGL1	0	0
19	11517224	RGL3	2	17
22	24035129	RGL4	0	4
15	93588447	RGMA	0	0
5	98106339	RGMB	4	4
9	35750904	RGP1	0	1
10	86014204	RGR	0	1
1	192548308	RGS1	0	0
16	320781	RGS11	1	3
4	3319514	RGS12	1	1
1	192617129	RGS13	0	0
5	176799058	RGS14	0	1
1	182571619	RGS16	1	1
1	192153435	RGS18	0	10

20	62705299	<i>RGS19</i>	0	0
1	192779427	<i>RGS2</i>	1	0
8	54852188	<i>RGS20</i>	0	0
1	192312211	<i>RGS21</i>	0	0
8	101075970	<i>RGS22</i>	6	2
9	116279880	<i>RGS3</i>	0	7
1	163039117	<i>RGS4</i>	0	3
1	163122406	<i>RGS5</i>	0	0
14	72936802	<i>RGS6</i>	0	1
1	241031899	<i>RGS7</i>	0	0
5	63871709	<i>RGS7BP</i>	0	0
1	182638744	<i>RGS8</i>	0	0
17	63159202	<i>RGS9</i>	0	1
1	182442909	<i>RGSL1</i>	1	1
6	49586978	<i>RHAG</i>	0	0
2	227729508	<i>RHBDD1</i>	0	0
7	75511205	<i>RHBDD2</i>	0	1
22	29660080	<i>RHBDD3</i>	1	3
16	108393	<i>RHBDF1</i>	0	1
17	74470863	<i>RHBDF2</i>	0	0
16	727971	<i>RHBDL1</i>	0	0
1	39353617	<i>RHBDL2</i>	0	0
17	30594912	<i>RHBDL3</i>	0	0
1	156347131	<i>RHBG</i>	0	0
1	25712269	<i>RHCE</i>	0	0
15	90039629	<i>RHCG</i>	0	2
12	2997493	<i>RHNO1</i>	3	9
3	129252528	<i>RHO</i>	0	0
2	20647235	<i>RHOB</i>	0	0
10	62652675	<i>RHOBTB1</i>	0	1
8	22853424	<i>RHOBTB2</i>	0	1
5	95067404	<i>RHOBTB3</i>	0	1
1	113246409	<i>RHOC</i>	1	0
11	66834232	<i>RHOD</i>	0	0
12	122217544	<i>RHOF</i>	0	0
11	3848859	<i>RHOG</i>	0	0
14	63735880	<i>RHOJ</i>	0	0
17	30469334	<i>RHOT1</i>	0	2
16	723017	<i>RHOT2</i>	0	0
1	228873493	<i>RHOU</i>	0	0
8	144462841	<i>RHPN1</i>	0	1

9	5762633	<i>RIC1</i>	3	0
11	8159843	<i>RIC3</i>	0	2
11	212612	<i>RIC8A</i>	0	5
12	107254098	<i>RIC8B</i>	0	1
5	38950086	<i>RICTOR</i>	0	0
2	152320036	<i>RIF1</i>	0	0
17	1549868	<i>RILP</i>	0	0
12	123983232	<i>RILPL1</i>	0	0
12	123915131	<i>RILPL2</i>	0	1
12	130892340	<i>RIMBR2</i>	0	0
1	42865145	<i>RIMKLA</i>	0	0
12	8926044	<i>RIMKLB</i>	0	0
6	72889549	<i>RIMS1</i>	1	4
8	104898297	<i>RIMS2</i>	0	0
11	66100119	<i>RIN1</i>	0	1
20	19870235	<i>RIN2</i>	0	0
14	93118038	<i>RIN3</i>	0	0
19	39360295	<i>RINL</i>	0	0
7	105187721	<i>RINT1</i>	0	0
6	7395252	<i>RIOK1</i>	0	1
5	96518845	<i>RIOK2</i>	1	3
18	21047364	<i>RIOK3</i>	0	1
6	3111167	<i>RIPK1</i>	0	0
8	90783961	<i>RIPK2</i>	0	0
14	24808388	<i>RIPK3</i>	4	22
21	43176841	<i>RIPK4</i>	0	0
6	84567129	<i>RIPPLY2</i>	0	1
21	38390329	<i>RIPPLY3</i>	1	3
18	40554008	<i>RIT2</i>	0	1
12	113629565	<i>RITA1</i>	0	0
15	89755064	<i>RLBP1</i>	0	0
1	40705578	<i>RLF</i>	0	1
9	5339738	<i>RLN1</i>	0	1
9	5300316	<i>RLN2</i>	1	2
19	14139196	<i>RLN3</i>	0	0
16	67683829	<i>RLTPR</i>	1	2
8	87497176	<i>RMDN1</i>	0	0
2	38179168	<i>RMDN2</i>	0	1
15	41032340	<i>RMDN3</i>	0	1
9	86617265	<i>RMI1</i>	0	0
16	11444572	<i>RMI2</i>	0	0

6	151726410	<i>RMND1</i>	1	4
5	177574774	<i>RMND5B</i>	1	7
14	21269849	<i>RNASE1</i>	0	0
14	20978888	<i>RNASE10</i>	0	1
14	21052084	<i>RNASE11</i>	0	0
14	21058595	<i>RNASE12</i>	1	0
14	21502270	<i>RNASE13</i>	0	0
14	21424396	<i>RNASE2</i>	0	4
14	21360216	<i>RNASE3</i>	0	1
14	21167758	<i>RNASE4</i>	0	1
14	21250124	<i>RNASE6</i>	0	1
14	21511391	<i>RNASE7</i>	0	0
14	21024930	<i>RNASE9</i>	0	0
2	3598061	<i>RNASEH1</i>	0	0
19	12917533	<i>RNASEH2A</i>	0	2
13	51544116	<i>RNASEH2B</i>	0	2
11	65486246	<i>RNASEH2C</i>	0	0
17	6918479	<i>RNASEK</i>	0	0
1	182555653	<i>RNASEL</i>	1	1
6	167365973	<i>RNASET2</i>	0	2
12	49259536	<i>RND1</i>	0	0
17	41180655	<i>RND2</i>	0	1
2	151326657	<i>RND3</i>	0	0
12	121000846	<i>RNF10</i>	0	0
2	86839364	<i>RNF103</i>	0	2
15	59359102	<i>RNF111</i>	0	1
17	19317383	<i>RNF112</i>	0	1
13	98829140	<i>RNF113B</i>	0	0
20	48562700	<i>RNF114</i>	0	0
11	71668305	<i>RNF121</i>	0	0
8	33408576	<i>RNF122</i>	0	0
3	49740939	<i>RNF123</i>	0	0
18	29625636	<i>RNF125</i>	1	0
19	652864	<i>RNF126</i>	0	0
5	179382621	<i>RNF130</i>	0	1
7	122338448	<i>RNF133</i>	0	1
17	29326140	<i>RNF135</i>	2	0
11	10540661	<i>RNF141</i>	0	0
2	7154609	<i>RNF144A</i>	0	0
6	18463524	<i>RNF144B</i>	1	0
6	127601510	<i>RNF146</i>	0	1

7	122342769	RNF148	0	0
2	101924590	RNF149	0	1
4	141832316	RNF150	1	0
16	2018485	RNF151	3	0
18	59483487	RNF152	0	0
17	74161646	RNF157	0	0
18	44013418	RNF165	0	0
17	4847956	RNF167	0	0
3	196214329	RNF168	1	1
11	74546682	RNF169	0	0
13	25440318	RNF17	0	0
8	42725178	RNF170	0	0
4	154631587	RNF175	0	1
5	63509465	RNF180	0	1
2	85824291	RNF181	2	1
6	13977920	RNF182	0	2
9	116060068	RNF183	0	1
22	31588695	RNF185	0	1
1	20140973	RNF186	0	0
8	101272237	RNF19A	0	2
9	104324554	RNF20	0	0
1	6278425	RNF207	0	2
9	140114930	RNF208	0	0
4	1075271	RNF212	0	3
14	23742098	RNF212B	0	2
17	78316974	RNF213	4	5
11	117153501	RNF214	0	0
22	30780430	RNF215	0	0
7	5751449	RNF216	0	0
6	125369362	RNF217	0	0
13	79219075	RNF219	0	2
1	45110682	RNF220	0	0
17	8296702	RNF222	0	0
2	219529076	RNF25	0	0
11	119206828	RNF26	0	0
14	24616940	RNF31	0	0
7	156468481	RNF32	0	1
12	121858078	RNF34	1	0
9	36400124	RNF38	1	0
4	2492191	RNF4	0	0
16	30783475	RNF40	0	0

12	56607793	<i>RNF41</i>	0	0
17	56435835	<i>RNF43</i>	0	1
5	175956535	<i>RNF44</i>	0	0
13	26788114	<i>RNF6</i>	0	0
6	37339367	<i>RNF8</i>	0	0
17	58030452	<i>RNFT1</i>	0	1
12	117187907	<i>RNFT2</i>	0	0
6	89614575	<i>RNGTT</i>	0	0
11	494690	<i>RNH1</i>	0	1
10	90045223	<i>RNLS</i>	0	1
18	13760002	<i>RNMT</i>	0	0
17	695198	<i>RNMTL1</i>	0	1
1	201952572	<i>RNPEP</i>	1	4
2	241513249	<i>RNPEPL1</i>	0	1
3	78689015	<i>ROBO1</i>	0	3
3	77638080	<i>ROBO2</i>	0	0
11	124738765	<i>ROBO3</i>	0	0
11	124766128	<i>ROBO4</i>	1	2
18	18550353	<i>ROCK1</i>	0	0
2	11484096	<i>ROCK2</i>	0	0
16	4849762	<i>ROGDI</i>	0	0
11	62381042	<i>ROM1</i>	0	1
3	125702113	<i>ROPN1B</i>	0	1
5	10448375	<i>ROPN1L</i>	3	5
1	64608203	<i>ROR1</i>	1	0
9	94487102	<i>ROR2</i>	0	0
15	60803594	<i>RORA</i>	0	0
9	77245265	<i>RORB</i>	0	0
1	151787735	<i>RORC</i>	0	0
6	117677979	<i>ROS1</i>	0	5
8	55540954	<i>RP1</i>	1	4
8	10480295	<i>RP1L1</i>	1	11
17	1746160	<i>RPA1</i>	0	0
1	28241183	<i>RPA2</i>	0	0
17	5326100	<i>RPAIN</i>	0	0
15	41822164	<i>RPAP1</i>	1	2
1	92769828	<i>RPAP2</i>	0	0
12	48095310	<i>RPAP3</i>	0	0
1	68904660	<i>RPE65</i>	0	1
10	105005926	<i>RPEL1</i>	10	34
1	84944989	<i>RPF1</i>	0	3

6	111310251	RPF2	0	0
14	21793114	RPGRIP1	0	4
16	53670332	RPGRIP1L	0	5
12	113307744	RPH3A	0	0
17	169238	RPH3AL	0	5
14	47120367	RPL10L	0	0
16	89628003	RPL13	0	0
18	47016914	RPL17	0	0
1	6257817	RPL22	1	35
3	170586165	RPL22L1	0	0
19	55898046	RPL28	0	2
2	101620751	RPL31	0	0
19	5690622	RPL36	2	20
16	1995823	RPL3L	0	1
8	74205020	RPL7	0	0
9	136215098	RPL7A	0	0
8	146017291	RPL8	0	0
3	128356852	RPN1	0	0
20	35852246	RPN2	0	0
3	58302710	RPP14	0	1
9	34611156	RPP25L	0	0
10	92662962	RPP30	0	0
10	15146061	RPP38	0	0
6	4998986	RPP40	0	0
20	36678179	RPRD1B	0	0
1	150445273	RPRD2	0	0
22	39928517	RPS19BP1	0	4
8	56982315	RPS20	0	0
10	79793652	RPS24	0	3
11	75110575	RPS3	0	0
19	58904537	RPS5	0	0
1	26900593	RPS6KA1	0	1
6	166826297	RPS6KA2	1	0
11	64136215	RPS6KA4	0	1
14	91413794	RPS6KA5	0	1
17	57990087	RPS6KB1	0	0
11	67196451	RPS6KB2	1	3
1	213224833	RPS6KC1	0	1
14	75376687	RPS6KL1	0	0
1	152127231	RPTN	6	1
17	78857694	RPTOR	0	1

16	836136	<i>RPUSD1</i>	0	0
15	40864065	<i>RPUSD2</i>	0	0
3	9883669	<i>RPUSD3</i>	0	2
11	126073478	<i>RPUSD4</i>	2	18
16	66957497	<i>RRAD</i>	0	0
1	39317391	<i>RRAGC</i>	0	0
6	90077789	<i>RRAGD</i>	0	1
19	50139921	<i>RRAS</i>	0	0
20	17602195	<i>RRBP1</i>	0	1
6	7231679	<i>RREB1</i>	0	4
4	110763720	<i>RRH</i>	0	1
11	4141104	<i>RRM1</i>	0	0
2	10262920	<i>RRM2</i>	0	0
8	103220351	<i>RRM2B</i>	0	0
16	15166882	<i>RRN3</i>	0	0
1	156704268	<i>RRNAD1</i>	1	0
21	45217354	<i>RRP1</i>	0	1
10	99118287	<i>RRP12</i>	1	0
1	218478411	<i>RRP15</i>	11	21
21	45107872	<i>RRP1B</i>	0	0
6	42996940	<i>RRP36</i>	0	0
22	42908913	<i>RRP7A</i>	0	0
11	6621406	<i>RRP8</i>	0	3
3	51968572	<i>RRP9</i>	0	0
8	67341481	<i>RRS1</i>	0	0
17	48559517	<i>RSAD1</i>	0	0
2	7018056	<i>RSAD2</i>	0	2
1	114354933	<i>RSBN1</i>	3	0
7	77394823	<i>RSBN1L</i>	0	0
1	15987413	<i>RSC1A1</i>	1	1
11	77396134	<i>RSF1</i>	0	0
1	16558687	<i>RSG1</i>	0	1
16	11935770	<i>RSL1D1</i>	0	0
21	43902774	<i>RSPH1</i>	0	1
22	23476202	<i>RSPH14</i>	0	0
6	159420574	<i>RSPH3</i>	0	1
6	116953427	<i>RSPH4A</i>	0	1
19	46313942	<i>RSPH6A</i>	0	1
6	43612919	<i>RSPH9</i>	0	0
1	38079503	<i>RSPO1</i>	0	0
8	108913312	<i>RSPO2</i>	0	1

6	127469800	RSPO3	0	0
20	947854	RSPO4	0	2
16	57255321	RSPRY1	0	0
3	158261189	RSRC1	0	1
12	123006712	RSRC2	0	0
1	25572993	RSRP1	0	2
10	16824073	RSU1	0	0
19	12936617	RTBDN	0	0
1	100741217	RTCA	1	2
22	32802680	RTCB	0	1
20	62324575	RTEL1	0	0
2	74659644	RTKN	0	0
10	63995983	RTKN2	2	1
14	101350235	RTL1	1	1
14	60212701	RTN1	0	0
19	45997620	RTN2	0	0
11	63487782	RTN3	0	0
2	55255371	RTN4	0	0
6	107070777	RTN4IP1	0	1
22	20255123	RTN4R	0	0
17	1928104	RTN4RL1	0	0
11	57243660	RTN4RL2	0	1
3	186915426	RTP1	0	0
3	187419816	RTP2	0	0
3	46539660	RTP3	0	2
3	187088903	RTP4	0	0
2	242813914	RTP5	1	5
18	67795719	RTTN	0	4
3	197430503	RUBCN	0	3
5	179021869	RUFY1	0	1
10	70105560	RUFY2	0	0
4	71639263	RUFY3	0	1
2	218940034	RUFY4	0	2
17	41139329	RUNDC1	0	1
17	42395568	RUNDC3A	0	1
7	87399978	RUNDC3B	0	0
21	36421161	RUNX1	0	0
6	45390589	RUNX2	0	0
1	25228976	RUNX3	0	0
1	155300266	RUSC1	0	2
9	35561253	RUSC2	1	2

19	49513305	<i>RUVBL2</i>	0	0
6	83904308	<i>RWDD2A</i>	0	0
21	30380739	<i>RWDD2B</i>	0	2
1	95709939	<i>RWDD3</i>	0	1
4	159567947	<i>RXFP1</i>	0	4
13	32371361	<i>RXFP2</i>	0	0
5	33937559	<i>RXFP3</i>	2	5
1	155911680	<i>RXFP4</i>	0	0
9	137300045	<i>RXRA</i>	0	0
1	165378890	<i>RXRG</i>	1	1
19	38934224	<i>RYR1</i>	0	8
1	237802424	<i>RYR2</i>	0	0
15	34145311	<i>RYR3</i>	0	0
1	151955747	<i>S100A10</i>	0	0
1	152005273	<i>S100A11</i>	0	0
1	153600595	<i>S100A13</i>	0	0
1	153588279	<i>S100A14</i>	0	1
1	153536287	<i>S100A2</i>	1	0
1	153520203	<i>S100A3</i>	8	29
1	153516358	<i>S100A4</i>	0	0
1	153512608	<i>S100A5</i>	0	0
1	153507176	<i>S100A6</i>	0	0
1	153410777	<i>S100A7L2</i>	0	0
4	6698727	<i>S100P</i>	0	0
1	33291832	<i>S100PBP</i>	0	1
1	101704933	<i>S1PR1</i>	0	0
19	10335105	<i>S1PR2</i>	0	0
9	91616355	<i>S1PR3</i>	0	0
19	3179513	<i>S1PR4</i>	0	0
19	10624838	<i>S1PR5</i>	0	1
11	18261456	<i>SAA2</i>	0	0
11	18127464	<i>SAAL1</i>	0	2
11	64811701	<i>SAC3D1</i>	0	0
3	45754685	<i>SACM1L</i>	0	0
13	23913713	<i>SACS</i>	1	2
19	47700572	<i>SAE1</i>	0	0
19	5641686	<i>SAFB</i>	0	0
19	5616227	<i>SAFB2</i>	0	0
2	234229295	<i>SAG</i>	2	3
16	51174183	<i>SALL1</i>	0	0
14	21990947	<i>SALL2</i>	0	1

18	76754584	SALL3	0	0
20	50418924	SALL4	0	0
19	14200114	SAMD1	2	43
20	62607079	SAMD10	0	0
1	865601	SAMD11	2	2
8	119391791	SAMD12	0	0
17	48202348	SAMD14	0	0
14	77844127	SAMD15	3	12
6	130465723	SAMD3	0	8
14	55251247	SAMD4A	1	8
19	39867350	SAMD4B	1	0
6	147830212	SAMD5	0	1
3	169654229	SAMD7	0	2
10	76924403	SAMD8	0	0
7	92734983	SAMD9	0	3
7	92763098	SAMD9L	2	5
20	35521419	SAMHD1	0	0
22	44364651	SAMM50	0	1
21	15918577	SAMSN1	1	1
2	128757995	SAP130	1	0
17	73664712	SAP30BP	0	0
8	29927282	SARAF	1	18
9	136536757	SARDH	2	0
17	26712158	SARM1	0	1
12	56184385	SARNP	0	0
1	109778670	SARS	0	0
19	39408405	SARS2	0	1
11	65746458	SART1	0	0
12	108938167	SART3	0	0
6	148865771	SASH1	0	0
1	100575974	SASS6	0	0
17	7530051	SAT2	0	0
3	18456673	SATB1	0	0
2	200298245	SATB2	0	0
9	18928422	SAXO1	3	7
15	82564163	SAXO2	0	0
6	39073345	SAYSD1	0	5
22	50893809	SBF1	1	0
11	10024211	SBF2	0	2
16	28328916	SBK1	0	0
19	56047540	SBK2	0	0

12	123782666	<i>SBNO1</i>	0	0
19	1149439	<i>SBNO2</i>	0	2
19	36017615	<i>SBSN</i>	0	0
8	74005179	<i>SBSPON</i>	1	1
11	121175203	<i>SC5D</i>	0	3
19	50148328	<i>SCAF1</i>	0	0
12	46349921	<i>SCAF11</i>	0	1
21	33074522	<i>SCAF4</i>	0	1
6	155095210	<i>SCAF8</i>	0	0
9	127765834	<i>SCAI</i>	0	2
15	75146952	<i>SCAMP2</i>	0	0
1	155227327	<i>SCAMP3</i>	0	1
19	1918963	<i>SCAMP4</i>	0	0
15	75308992	<i>SCAMP5</i>	0	0
20	34542404	<i>SCAND1</i>	0	0
3	47456101	<i>SCAP</i>	1	0
15	77057898	<i>SCAPER</i>	0	0
8	27516573	<i>SCARA3</i>	1	1
8	27767232	<i>SCARA5</i>	0	1
12	125348094	<i>SCARB1</i>	0	0
4	77084513	<i>SCARB2</i>	0	0
17	1538669	<i>SCARF1</i>	1	2
22	20783966	<i>SCARF2</i>	0	0
1	246943792	<i>SCCPDH</i>	0	2
4	83557922	<i>SCD5</i>	0	0
13	78218355	<i>SCEL</i>	0	0
14	31204756	<i>SCFD1</i>	0	0
4	53773708	<i>SCFD2</i>	0	2
2	224462153	<i>SCG2</i>	0	0
15	52011691	<i>SCG3</i>	0	1
11	193755	<i>SCGB1C1</i>	0	3
11	61960923	<i>SCGB1D1</i>	0	0
11	62010903	<i>SCGB1D2</i>	0	0
19	35085398	<i>SCGB2B2</i>	0	0
5	180017690	<i>SCGB3A1</i>	1	4
6	25691352	<i>SCGN</i>	0	0
3	159606665	<i>SCHIP1</i>	0	0
7	12668824	<i>SCIN</i>	0	3
4	129965201	<i>SCLT1</i>	1	1
2	238990366	<i>SCLY</i>	0	0
1	41651834	<i>SCMH1</i>	0	0

6	108093511	SCML4	1	1
3	38739574	SCN10A	1	5
3	38888500	SCN11A	1	5
2	166913031	SCN1A	0	0
19	35524672	SCN1B	0	2
2	166152471	SCN2A	0	0
2	165953816	SCN3A	0	0
11	123513293	SCN3B	0	0
17	62018254	SCN4A	0	2
3	38647585	SCN5A	0	0
2	167300015	SCN7A	1	2
12	52163053	SCN8A	0	0
2	167055370	SCN9A	0	1
1	151139800	SCNM1	0	3
12	6458094	SCNN1A	2	1
16	23382633	SCNN1B	0	1
1	1226508	SCNN1D	2	4
16	23221151	SCNN1G	0	0
17	10590135	SCO1	0	1
22	50962065	SCO2	1	2
4	141300789	SCOC	0	1
1	53416455	SCP2	0	0
17	55074373	SCPEP1	1	2
4	174312441	SCRG1	0	0
8	144892703	SCRIB	0	0
7	29980416	SCRN1	0	2
17	45916910	SCRN2	0	0
2	175263045	SCRN3	0	5
8	145556860	SCRT1	0	0
2	120204424	SCTR	0	3
22	43627838	SCUBE1	0	0
11	9111324	SCUBE2	0	6
6	35195463	SCUBE3	0	0
11	65302727	SCYL1	0	1
12	100732821	SCYL2	0	1
1	169822850	SCYL3	1	0
4	76888497	SDAD1	0	0
2	20402572	SDC1	0	0
8	97620652	SDC2	0	0
1	31349677	SDC3	0	0
20	43959184	SDC4	0	0

20	1293005	<i>SDCBP2</i>	6	23
9	139304343	<i>SDCCAG3</i>	0	2
1	243434241	<i>SDCCAG8</i>	0	3
1	226186942	<i>SDE2</i>	0	1
17	26988896	<i>SDF2</i>	0	0
22	21998280	<i>SDF2L1</i>	1	0
1	1153098	<i>SDF4</i>	0	1
7	96810485	<i>SDHAF3</i>	0	0
6	71276685	<i>SDHAF4</i>	3	2
1	17355075	<i>SDHB</i>	1	0
7	3998630	<i>SDK1</i>	0	0
17	71433969	<i>SDK2</i>	0	0
2	192711541	<i>SDPR</i>	1	0
8	57214119	<i>SDR16C5</i>	0	2
14	24910964	<i>SDR39U1</i>	6	18
16	82033286	<i>SDR42E1</i>	0	1
12	57324078	<i>SDR9C7</i>	0	0
12	113837452	<i>SDS</i>	0	0
12	113871950	<i>SDSL</i>	1	16
17	26691916	<i>SEBOX</i>	1	5
15	85259253	<i>SEC11A</i>	0	0
3	10360860	<i>SEC13</i>	0	0
17	75190846	<i>SEC14L1</i>	2	0
22	30794697	<i>SEC14L2</i>	0	0
22	30857430	<i>SEC14L3</i>	2	4
22	30891716	<i>SEC14L4</i>	1	1
16	5037623	<i>SEC14L5</i>	0	2
22	30921062	<i>SEC14L6</i>	1	2
9	139369833	<i>SEC16A</i>	0	0
1	177906507	<i>SEC16B</i>	0	1
3	122944071	<i>SEC22A</i>	0	0
3	42597410	<i>SEC22C</i>	0	0
14	39510017	<i>SEC23A</i>	0	0
20	18523038	<i>SEC23B</i>	0	0
10	121662466	<i>SEC23IP</i>	1	1
5	134044464	<i>SEC24A</i>	0	0
4	110434943	<i>SEC24B</i>	1	1
10	75526198	<i>SEC24C</i>	1	0
4	119673240	<i>SEC24D</i>	0	2
4	83750220	<i>SEC31A</i>	1	0
10	102258507	<i>SEC31B</i>	3	5

3	169693434	SEC62	0	0
6	108215017	SEC63	0	0
9	91972381	SECISBP2	0	1
15	49293194	SECISBP2L	0	0
17	80282684	SECTM1	1	6
18	12982577	SEH1L	0	1
14	81952017	SEL1L	0	0
20	13847417	SEL1L2	2	1
4	25789912	SEL1L3	0	1
1	169697268	SELE	0	0
1	151342304	SELENBP1	0	0
1	169672508	SELL	0	0
1	169581595	SELP	1	6
12	109017079	SELPLG	0	2
7	83636809	SEMA3A	0	0
7	80378265	SEMA3C	0	1
7	84685120	SEMA3D	0	1
7	83035410	SEMA3E	0	1
3	50225349	SEMA3F	0	0
3	52475596	SEMA3G	0	4
1	156128253	SEMA4A	0	2
15	90767097	SEMA4B	0	1
2	97526627	SEMA4C	0	0
9	92011733	SEMA4D	0	1
2	74901705	SEMA4F	0	2
10	102743494	SEMA4G	2	0
5	9122899	SEMA5A	0	0
3	122680066	SEMA5B	0	0
5	115824639	SEMA6A	0	1
19	4544447	SEMA6B	0	0
1	151115017	SEMA6C	0	0
15	48056919	SEMA6D	0	1
15	74706985	SEMA7A	0	0
20	43836061	SEMG1	0	1
20	43850400	SEMG2	1	4
12	48440205	SENP1	0	0
3	185337107	SENP2	0	0
17	7476143	SENP3	0	0
3	196656558	SENP5	0	0
6	76344483	SENP6	0	2
3	101062674	SENP7	0	2

4	25125703	SEPSECS	1	0
16	30393660	SEPT1	0	0
2	110323408	SEPT10	0	1
4	77952051	SEPT11	0	0
16	4833692	SEPT12	1	3
7	55872943	SEPT14	1	0
2	242283229	SEPT2	0	1
22	42377836	SEPT3	0	0
17	56599121	SEPT4	0	0
5	132090190	SEPT8	0	0
17	75425084	SEPT9	0	1
6	158579302	SERAC1	0	0
11	17809878	SERGEF	2	5
22	42950077	SERHL2	5	15
6	122792906	SERINC1	0	0
1	31883259	SERINC2	0	0
20	43139923	SERINC3	0	2
15	44088876	SERINC4	2	4
5	79443047	SERINC5	1	1
14	94756823	SERPINA10	11	33
14	94914629	SERPINA11	0	0
14	94955960	SERPINA12	0	1
14	95090010	SERPINA3	3	5
14	95034568	SERPINA4	1	0
14	95056529	SERPINA5	0	0
14	94772383	SERPINA6	0	1
14	94931126	SERPINA9	6	20
6	2838819	SERPINB1	0	0
18	61597274	SERPINB10	0	4
18	61390570	SERPINB11	0	0
18	61231308	SERPINB12	0	3
18	61261599	SERPINB13	1	0
18	61569760	SERPINB2	0	6
18	61326602	SERPINB3	0	3
18	61310738	SERPINB4	0	3
18	61170925	SERPINB5	0	0
6	2949152	SERPINB6	0	0
18	61471523	SERPINB7	0	1
18	61654297	SERPINB8	3	10
6	2890685	SERPINB9	0	1
1	173879976	SERPINC1	0	0

22	21133860	SERPIND1	0	0
7	100773784	SERPINE1	0	0
2	224849612	SERPINE2	0	0
13	51935474	SERPINE3	0	0
17	1678348	SERPINF1	0	0
17	1657516	SERPINF2	0	0
11	57373548	SERPING1	0	0
11	75277472	SERPINH1	0	0
3	167506937	SERPINI1	0	0
3	167184907	SERPINI2	4	3
19	40928971	SERTAD1	0	0
2	64863769	SERTAD2	0	0
1	210407121	SERTAD4	0	0
6	109323519	SESN1	0	0
1	28598899	SESN2	0	1
11	94963983	SESN3	0	0
2	179981440	SESTD1	0	0
18	42449202	SETBP1	0	1
16	30992092	SETD1A	2	0
12	122261431	SETD1B	0	0
3	47125723	SETD2	0	0
14	99870620	SETD3	0	0
21	37418051	SETD4	0	2
3	9482259	SETD5	0	0
16	58550200	SETD6	2	15
4	140439110	SETD7	0	0
5	56210793	SETD9	1	0
1	150912407	SETDB1	0	1
13	50026010	SETDB2	0	1
3	4345475	SETMAR	0	2
9	135203334	SETX	0	0
17	27308971	SEZ6	0	1
22	26776221	SEZ6L	0	0
16	29884745	SEZ6L2	0	0
22	30741087	SF3A1	0	0
19	2244709	SF3A2	0	0
2	198283305	SF3B1	0	0
11	65826704	SF3B2	0	0
16	70605012	SF3B3	0	0
22	32007137	SFI1	3	5
3	53003167	SFMBT1	0	0

10	7409777	SFMBT2	0	0
1	27189925	SFN	0	0
4	154709742	SFRP2	0	0
7	37951765	SFRP4	0	0
10	99531324	SFRP5	0	2
12	132210015	SFSWAP	3	0
6	166738088	SFT2D1	0	0
1	168195344	SFT2D2	0	0
14	36943072	SFTA3	0	1
10	81374783	SFTPA1	0	1
10	81318631	SFTPA2	0	0
2	85890828	SFTP B	1	1
8	22020259	SFTPC	0	0
10	81697923	SFTPD	0	0
5	174940490	SFXN1	0	0
10	104489070	SFXN2	4	23
10	102799264	SFXN3	6	13
10	120925103	SFXN4	0	0
2	73298799	SFXN5	0	0
17	48246459	SGCA	0	0
4	52890281	SGCB	2	2
5	156074569	SGCD	0	0
7	94218051	SGCE	0	0
13	23898489	SGCG	0	0
8	14412418	SGCZ	0	1
1	66999997	SGIP1	0	0
6	134638554	SGK1	0	0
20	42194989	SGK2	0	0
8	8185712	SGK223	1	1
8	67706037	SGK3	0	0
17	26940488	SGK494	2	4
10	52103779	SGMS1	0	0
4	108824511	SGMS2	0	0
3	20202616	SGOL1	0	1
2	201407356	SGOL2	2	3
10	72614524	SGPL1	0	0
14	64194042	SGPP1	0	0
2	223423611	SGPP2	0	2
17	78187954	SGSH	0	0
22	25282572	SGSM1	0	0
17	2275734	SGSM2	0	0

22	40802134	<i>SGSM3</i>	0	0
19	2767210	<i>SGTA</i>	0	0
5	64981281	<i>SGTB</i>	0	0
16	28877637	<i>SH2B1</i>	0	0
12	111885971	<i>SH2B3</i>	0	0
1	156779097	<i>SH2D2A</i>	0	2
19	6760861	<i>SH2D3A</i>	0	0
9	130507128	<i>SH2D3C</i>	0	0
8	19250858	<i>SH2D4A</i>	4	9
10	82363405	<i>SH2D4B</i>	0	3
1	21050946	<i>SH2D5</i>	0	3
2	85662614	<i>SH2D6</i>	1	1
15	78385052	<i>SH2D7</i>	0	2
21	40883671	<i>SH3BGR</i>	2	5
6	80409264	<i>SH3BGRL2</i>	0	0
1	26606638	<i>SH3BGRL3</i>	0	0
22	38037452	<i>SH3BP1</i>	0	0
4	2831326	<i>SH3BP2</i>	0	3
2	235950883	<i>SH3BP4</i>	0	0
3	15303734	<i>SH3BP5</i>	0	0
1	249111094	<i>SH3BP5L</i>	0	0
4	152065170	<i>SH3D19</i>	0	0
1	36772206	<i>SH3D21</i>	0	8
19	4362314	<i>SH3GL1</i>	0	1
9	17786440	<i>SH3GL2</i>	0	1
15	84237354	<i>SH3GL3</i>	0	0
1	87170630	<i>SH3GLB1</i>	0	0
9	131772414	<i>SH3GLB2</i>	0	0
10	105363193	<i>SH3PXD2A</i>	1	1
5	171849412	<i>SH3PXD2B</i>	0	1
4	170017669	<i>SH3RF1</i>	0	0
5	145428758	<i>SH3RF2</i>	0	2
2	110015138	<i>SH3RF3</i>	0	0
4	8221108	<i>SH3TC1</i>	0	6
5	148406604	<i>SH3TC2</i>	3	4
2	242778	<i>SH3YL1</i>	0	1
19	51170147	<i>SHANK1</i>	0	0
11	70346665	<i>SHANK2</i>	0	0
22	51160602	<i>SHANK3</i>	0	0
8	145154910	<i>SHARPIN</i>	0	0
9	37948718	<i>SHB</i>	0	0

17	7533723	SHBG	0	0
1	154938861	SHC1	0	1
19	438751	SHC2	0	0
9	91690082	SHC3	0	0
15	49148243	SHC4	0	2
16	46652262	SHCBP1	0	3
1	182920582	SHCBP1L	0	3
19	4290516	SHD	0	2
1	154461744	SHE	1	0
15	45467541	SHF	4	0
7	155592872	SHH	0	0
13	26621014	SHISA2	0	0
4	42403306	SHISA3	0	2
1	201858700	SHISA4	0	0
3	48510962	SHISA5	0	0
17	11461399	SHISA6	0	0
16	12996179	SHISA9	0	0
19	41086324	SHKBP1	0	0
17	18236516	SHMT1	0	0
12	57627808	SHMT2	0	0
3	157815969	SHOX2	0	0
17	3527481	SHPK	0	7
6	146231725	SHPRH	1	2
3	72799703	SHQ1	2	5
5	132159393	SHROOM1	0	0
4	77676130	SHROOM3	0	0
10	118680939	SHTN1	0	0
3	164735396	SI	4	6
11	124517354	SIAE	0	2
3	113252042	SIDT1	1	5
11	117066613	SIDT2	0	4
11	406483	SIGIRR	0	3
20	3682011	SIGLEC1	1	8
19	51920103	SIGLEC10	1	4
19	50453371	SIGLEC11	0	0
19	52002488	SIGLEC12	0	3
19	52146847	SIGLEC14	0	0
19	52130788	SIGLEC5	4	20
19	52034816	SIGLEC6	0	1
19	51649239	SIGLEC7	0	0
19	51961504	SIGLEC8	1	3

19	51630437	<i>SIGLEC9</i>	0	1
19	51769107	<i>SIGLECL1</i>	0	7
9	34636977	<i>SIGMAR1</i>	0	0
21	44838426	<i>SIK1</i>	0	0
11	111594520	<i>SIK2</i>	0	1
11	116728737	<i>SIK3</i>	0	0
1	115316921	<i>SIKE1</i>	0	0
5	138283025	<i>SIL1</i>	1	1
6	100868721	<i>SIM1</i>	0	1
21	38098479	<i>SIM2</i>	0	0
5	175772319	<i>SIMC1</i>	0	0
15	75668131	<i>SIN3A</i>	0	0
19	16976388	<i>SIN3B</i>	0	9
11	65417434	<i>SIPA1</i>	0	0
14	72054871	<i>SIPA1L1</i>	0	1
1	232581436	<i>SIPA1L2</i>	0	0
19	38696820	<i>SIPA1L3</i>	1	1
20	1918172	<i>SIRPA</i>	0	0
20	1592284	<i>SIRPB1</i>	0	0
20	1471903	<i>SIRPB2</i>	0	1
20	1532596	<i>SIRPD</i>	0	0
20	1617069	<i>SIRPG</i>	0	0
10	69672340	<i>SIRT1</i>	0	0
19	39370144	<i>SIRT2</i>	0	0
11	218906	<i>SIRT3</i>	1	4
12	120750517	<i>SIRT4</i>	0	1
6	13591936	<i>SIRT5</i>	0	7
17	79872549	<i>SIRT7</i>	0	0
9	35650249	<i>SIT1</i>	0	0
14	105225761	<i>SIVA1</i>	0	0
14	61115539	<i>SIX1</i>	0	0
2	45233411	<i>SIX2</i>	0	0
14	61180657	<i>SIX4</i>	0	0
19	46271554	<i>SIX5</i>	0	0
14	60977865	<i>SIX6</i>	0	0
18	47918521	<i>SKA1</i>	1	2
17	57232459	<i>SKA2</i>	0	1
13	21746643	<i>SKA3</i>	0	0
17	46247965	<i>SKAP1</i>	0	0
7	26933422	<i>SKAP2</i>	0	0
1	2235850	<i>SKI</i>	0	0

10	21805165	SKIDA1	0	0
3	170108106	SKIL	0	0
5	54603856	SKIV2L2	0	1
15	68118018	SKOR1	0	0
5	36163830	SKP2	0	0
8	134108444	SLA	0	0
20	35269683	SLA2	0	0
13	78317242	SLAIN1	0	0
4	48384676	SLAIN2	0	0
1	160580549	SLAMF1	0	1
1	160456490	SLAMF6	2	0
1	160718036	SLAMF7	0	0
1	159799824	SLAMF8	0	3
1	159923409	SLAMF9	0	0
4	1701317	SLBP	0	0
14	70245931	SLC10A1	0	3
13	103718339	SLC10A2	1	5
8	82607068	SLC10A5	0	1
4	87752976	SLC10A6	0	0
4	147438211	SLC10A7	0	0
2	219247825	SLC11A1	0	2
12	51404468	SLC11A2	0	0
15	48580286	SLC12A1	0	1
5	127520187	SLC12A2	2	0
16	56936248	SLC12A3	1	1
16	67984589	SLC12A4	0	1
20	44681699	SLC12A5	0	0
15	34534359	SLC12A6	1	1
5	1075524	SLC12A7	0	4
3	124826818	SLC12A8	4	3
7	100463504	SLC12A9	0	6
7	122808572	SLC13A1	2	19
17	26821364	SLC13A2	0	2
20	45212310	SLC13A3	0	2
7	135366415	SLC13A4	0	1
17	6606363	SLC13A5	0	0
18	43311035	SLC14A1	1	1
18	43252879	SLC14A2	0	1
13	99358433	SLC15A1	0	1
3	121647396	SLC15A2	2	2
11	60709520	SLC15A3	0	1

12	129299606	SLC15A4	0	0
1	113460233	SLC16A1	0	0
6	111527803	SLC16A10	0	1
17	6945442	SLC16A11	1	0
10	91203478	SLC16A12	2	0
17	6943164	SLC16A13	0	0
2	230910750	SLC16A14	0	0
17	80195339	SLC16A3	0	0
1	110924353	SLC16A4	0	0
17	73089838	SLC16A5	1	3
17	66267512	SLC16A6	0	0
12	60173363	SLC16A7	0	0
22	38474451	SLC16A8	6	30
10	61412557	SLC16A9	0	0
6	25830790	SLC17A1	2	4
6	25916981	SLC17A2	0	1
6	25850759	SLC17A3	0	1
6	25769349	SLC17A4	0	4
6	74354247	SLC17A5	0	1
11	22387196	SLC17A6	0	0
12	100811789	SLC17A8	0	0
20	61591931	SLC17A9	0	4
8	20036827	SLC18A1	0	1
10	119015040	SLC18A2	0	0
10	50818827	SLC18A3	0	0
6	133100407	SLC18B1	1	0
21	46934932	SLC19A1	1	1
1	169437436	SLC19A2	0	3
2	228552954	SLC19A3	0	1
9	4576049	SLC1A1	0	1
11	35302470	SLC1A2	0	0
5	36680686	SLC1A3	1	0
2	65243637	SLC1A4	0	1
19	47280578	SLC1A5	0	0
19	15061151	SLC1A6	0	3
1	53580486	SLC1A7	0	0
2	113482811	SLC20A1	0	1
8	42295022	SLC20A2	0	0
6	160543080	SLC22A1	1	1
11	63064889	SLC22A10	0	1
11	64331868	SLC22A11	8	17

11	64366369	SLC22A12	0	0
3	38315861	SLC22A13	0	1
3	38348006	SLC22A14	0	2
1	116534747	SLC22A15	0	2
6	110797704	SLC22A16	1	7
14	23820948	SLC22A17	0	0
11	2943671	SLC22A18	0	3
11	2909757	SLC22A18AS	0	1
6	160668263	SLC22A2	0	9
11	65000645	SLC22A20	0	1
6	3324181	SLC22A23	0	0
11	62886421	SLC22A24	0	2
11	62933634	SLC22A25	6	12
6	160828142	SLC22A3	0	1
5	131670546	SLC22A4	0	1
5	131728237	SLC22A5	0	0
11	62747216	SLC22A6	0	1
6	43270504	SLC22A7	0	2
11	62767263	SLC22A8	0	0
11	63174102	SLC22A9	0	0
5	138713959	SLC23A1	0	0
20	4880287	SLC23A2	0	0
2	220032634	SLC23A3	0	0
15	65917357	SLC24A1	0	2
9	19786020	SLC24A2	0	1
20	19634747	SLC24A3	0	1
14	92900263	SLC24A4	1	0
15	48414208	SLC24A5	0	7
22	19165756	SLC25A1	0	0
17	79682783	SLC25A10	0	1
17	4841383	SLC25A11	0	0
2	172693780	SLC25A12	0	0
7	95822382	SLC25A13	0	2
13	41367423	SLC25A15	0	0
10	70276566	SLC25A16	1	0
22	41215208	SLC25A17	0	1
22	18072903	SLC25A18	0	0
17	73279700	SLC25A19	0	0
5	140683301	SLC25A2	0	3
3	48896063	SLC25A20	1	2
14	37641564	SLC25A21	2	1

11	792428	SLC25A22	0	0
19	6454651	SLC25A23	0	0
1	108735196	SLC25A24	1	4
9	130869558	SLC25A25	1	1
3	66293711	SLC25A26	0	3
6	46623653	SLC25A27	0	2
10	101370861	SLC25A28	0	0
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12	98989344	SLC25A3	0	1
13	45973033	SLC25A30	0	2
4	128651709	SLC25A31	0	0
8	104412688	SLC25A32	0	3
17	8192202	SLC25A35	0	0
8	23429329	SLC25A37	0	0
3	39425233	SLC25A38	0	0
17	42400889	SLC25A39	0	2
7	87479210	SLC25A40	0	4
19	6430106	SLC25A41	0	0
19	19218805	SLC25A42	0	0
1	156169701	SLC25A44	0	0
11	65144446	SLC25A45	0	1
5	110092383	SLC25A46	0	0
14	100795937	SLC25A47	0	0
5	135178142	SLC25A48	0	0
4	983178	SLC26A1	1	2
12	58019197	SLC26A10	9	35
17	78197097	SLC26A11	2	1
5	149360165	SLC26A2	0	1
7	107427360	SLC26A3	0	0
7	107336493	SLC26A4	0	2
7	103030967	SLC26A5	0	0
3	48663666	SLC26A6	0	2
8	92364119	SLC26A7	0	0
6	35965587	SLC26A8	1	2
1	205902110	SLC26A9	1	0
19	17608147	SLC27A1	0	1
15	50475000	SLC27A2	0	1
1	153751188	SLC27A3	0	8
9	131115315	SLC27A4	0	0
19	59023011	SLC27A5	0	4
5	128364024	SLC27A6	8	22

15	85467208	SLC28A1	0	0
15	45545464	SLC28A2	0	6
9	86914586	SLC28A3	1	2
6	44200105	SLC29A1	1	1
11	66136571	SLC29A2	0	2
10	73111496	SLC29A3	0	2
7	5338738	SLC29A4	0	0
1	43395354	SLC2A1	0	0
20	45362481	SLC2A10	0	1
22	24210725	SLC2A11	0	2
6	134350063	SLC2A12	0	0
12	40422089	SLC2A13	2	0
3	170744395	SLC2A2	1	0
17	7186585	SLC2A4	0	0
20	62373773	SLC2A4RG	0	0
1	9101929	SLC2A5	0	4
9	136338317	SLC2A6	0	0
1	9085092	SLC2A7	1	1
9	130164993	SLC2A8	4	6
4	9836489	SLC2A9	0	0
1	220101588	SLC30A10	0	0
1	26372294	SLC30A2	0	0
2	27481661	SLC30A3	0	0
15	45782970	SLC30A4	0	1
5	68419114	SLC30A5	0	1
2	32390962	SLC30A6	0	0
1	101362159	SLC30A7	0	1
4	42068649	SLC30A9	0	1
9	115923802	SLC31A2	0	0
20	37356241	SLC32A1	0	0
3	155560365	SLC33A1	0	0
5	176815355	SLC34A1	0	1
4	25676060	SLC34A2	0	0
9	140128107	SLC34A3	0	2
6	88218844	SLC35A1	0	0
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5	139946888	SLC35A4	0	0
3	112299888	SLC35A5	0	1
17	47784374	SLC35B1	0	0
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7	133986865	SLC35B4	0	1
11	45832436	SLC35C1	0	0
20	44983517	SLC35C2	0	4
1	67486152	SLC35D1	0	0
9	99113444	SLC35D2	0	0
6	137245516	SLC35D3	1	1
1	1599909	SLC35E2B	0	0
12	69140532	SLC35E3	1	0
22	31042918	SLC35E4	2	1
6	118598690	SLC35F1	0	0
11	107677399	SLC35F2	1	0
1	234455875	SLC35F3	0	0
14	58033260	SLC35F4	0	0
2	114490949	SLC35F5	0	1
2	27000968	SLC35F6	0	0
10	95661172	SLC35G1	0	0
3	136574133	SLC35G2	0	1
5	150844647	SLC36A1	1	0
5	150701585	SLC36A2	0	1
5	150672960	SLC36A3	0	1
11	92914028	SLC36A4	0	4
21	43967263	SLC37A1	0	0
11	124951767	SLC37A2	0	4
7	140051116	SLC37A3	0	0
11	118895632	SLC37A4	0	1
12	46598117	SLC38A1	0	0
17	79226092	SLC38A10	4	11
2	165802112	SLC38A11	0	1
12	46764938	SLC38A2	0	1
3	50257379	SLC38A3	0	0
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5	54941697	SLC38A9	0	2
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2	196593016	SLC39A10	0	0
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11	47435951	SLC39A13	3	0
8	22275273	SLC39A14	0	0

14	21467913	SLC39A2	0	10
19	2737061	SLC39A3	0	0
8	145640292	SLC39A4	0	0
12	56631394	SLC39A5	2	2
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14	69866120	SLC39A9	0	0
2	44502835	SLC3A1	1	8
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12	105255155	SLC41A2	0	0
3	125775261	SLC41A3	0	1
11	57254631	SLC43A1	0	2
17	1489236	SLC43A2	1	0
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1	75693424	SLC44A5	0	1
1	8390435	SLC45A1	0	0
5	33944774	SLC45A2	1	2
1	205628616	SLC45A3	4	13
8	142229804	SLC45A4	1	4
17	26732944	SLC46A1	0	1
9	115652686	SLC46A2	0	1
13	29287532	SLC46A3	1	5
17	19451364	SLC47A1	0	0
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17	42331968	SLC4A1	0	0
2	162762381	SLC4A10	0	0
20	3209615	SLC4A11	2	4
2	27905157	SLC4A1AP	0	1
7	150761680	SLC4A2	0	0
2	220505285	SLC4A3	1	2
4	72338467	SLC4A4	0	0
2	74489323	SLC4A5	0	1
3	27453159	SLC4A7	0	0
12	51865305	SLC4A8	0	0
5	139739974	SLC4A9	0	2
1	155108167	SLC50A1	0	0

3	195955680	SLC51A	0	0
17	4936863	SLC52A1	0	1
8	145583707	SLC52A2	0	0
20	741706	SLC52A3	0	1
22	32482277	SLC5A1	0	1
17	18916766	SLC5A10	1	4
16	24918048	SLC5A11	3	7
11	26743055	SLC5A12	0	0
16	31498731	SLC5A2	1	0
21	35467645	SLC5A3	0	0
22	32644727	SLC5A4	1	3
19	17983341	SLC5A5	0	0
2	27429367	SLC5A6	0	0
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3	11070434	SLC6A1	0	0
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12	85277610	SLC6A15	0	1
19	49796639	SLC6A16	0	2
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5	1235627	SLC6A18	0	3
5	1216775	SLC6A19	0	2
16	55735795	SLC6A2	0	1
3	45814024	SLC6A20	2	5
5	1443274	SLC6A3	0	1
17	28549809	SLC6A4	0	1
11	20658739	SLC6A5	1	0
3	14485310	SLC6A6	0	0
5	149589127	SLC6A7	0	0
1	44463614	SLC6A9	0	0
13	30106989	SLC7A1	0	0
19	33703448	SLC7A10	0	0
4	139135700	SLC7A11	0	0
8	87241967	SLC7A13	0	4
3	170201210	SLC7A14	0	2
8	17421153	SLC7A2	0	3
22	21385754	SLC7A4	0	3
16	87873442	SLC7A5	0	0

16	68331194	SLC7A6	0	4
16	68344433	SLC7A6OS	0	0
14	23282509	SLC7A7	1	1
14	23608628	SLC7A8	1	0
19	33351583	SLC7A9	0	1
2	40655813	SLC8A1	0	0
19	47935524	SLC8A2	0	0
14	70515614	SLC8A3	0	1
12	113754739	SLC8B1	0	2
1	27427080	SLC9A1	0	1
2	103322399	SLC9A2	0	1
5	488418	SLC9A3	0	0
17	72758210	SLC9A3R1	0	0
16	2086435	SLC9A3R2	0	1
2	103090236	SLC9A4	0	1
16	67304990	SLC9A5	1	0
20	48503318	SLC9A8	0	0
3	143297490	SLC9A9	0	2
4	103952869	SLC9B2	0	1
3	111981878	SLC9C1	0	3
1	173472465	SLC9C2	1	0
12	21487544	SLCO1A2	0	4
12	21358933	SLCO1B1	0	2
12	21054369	SLCO1B3	1	6
12	21207535	SLCO1B7	0	1
12	20864356	SLCO1C1	0	0
3	133698349	SLCO2A1	0	0
11	74876837	SLCO2B1	0	0
15	92694174	SLCO3A1	0	0
20	61288086	SLCO4A1	1	0
5	101572549	SLCO4C1	1	2
8	70744147	SLCO5A1	0	0
5	101748864	SLCO6A1	0	1
5	93964808	SLF1	0	2
10	102684380	SLF2	0	3
17	33690466	SLFN11	0	0
17	33749715	SLFN12	1	5
17	33806222	SLFN12L	0	2
17	33770827	SLFN13	1	0
17	33875978	SLFN14	1	0
17	33592300	SLFN5	0	3

1	41486083	<i>SLFNL1</i>	6	29
14	78177209	<i>SLIRP</i>	1	0
10	98808746	<i>SLIT1</i>	0	0
4	20568916	<i>SLIT2</i>	0	1
5	168151501	<i>SLIT3</i>	0	0
13	84454875	<i>SLITRK1</i>	0	0
3	164906990	<i>SLITRK3</i>	0	0
13	88327688	<i>SLITRK5</i>	0	0
13	86369504	<i>SLITRK6</i>	0	1
10	105765745	<i>SLK</i>	0	1
3	57817208	<i>SLMAP</i>	0	1
20	43882268	<i>SLPI</i>	1	4
15	59191790	<i>SLTM</i>	0	0
5	159839437	<i>SLU7</i>	0	0
8	143823810	<i>SLURP1</i>	0	0
16	3651144	<i>SLX4</i>	1	3
20	10603750	<i>SLX4IP</i>	0	0
4	146460987	<i>SMAD1</i>	0	0
15	67457647	<i>SMAD3</i>	0	0
18	48584666	<i>SMAD4</i>	0	2
13	37422765	<i>SMAD9</i>	0	3
12	51663012	<i>SMAGP</i>	0	0
6	71377718	<i>SMAP1</i>	1	0
1	40878733	<i>SMAP2</i>	0	1
9	2039572	<i>SMARCA2</i>	0	0
19	11144819	<i>SMARCA4</i>	0	0
4	144467104	<i>SMARCA5</i>	0	0
4	95199747	<i>SMARCAD1</i>	0	0
2	217329272	<i>SMARCAL1</i>	0	1
3	47680195	<i>SMARCC1</i>	2	0
12	56581004	<i>SMARCC2</i>	0	0
17	61910349	<i>SMARCD2</i>	0	0
22	45802419	<i>SMC1B</i>	0	0
9	106864433	<i>SMC2</i>	1	0
10	112349425	<i>SMC3</i>	0	0
3	160122504	<i>SMC4</i>	0	1
9	72933805	<i>SMC5</i>	1	1
2	17894814	<i>SMC6</i>	0	3
18	2770078	<i>SMCHD1</i>	2	0
3	196242008	<i>SMCO1</i>	1	7
12	27627805	<i>SMCO2</i>	0	0

12	14959470	SMCO3	0	0
1	152857102	SMCP	0	0
17	18219472	SMCR8	0	0
16	18847416	SMG1	0	0
1	156248803	SMG5	1	1
17	1972116	SMG6	0	1
1	183502870	SMG7	0	0
17	57290470	SMG8	0	0
19	44252082	SMG9	0	0
1	3691958	SMIM1	0	0
21	35757862	SMIM11B	0	0
4	39558053	SMIM14	0	0
13	44734803	SMIM2	0	0
19	3480434	SMIM24	0	1
3	52574499	SMIM4	0	1
19	16758016	SMIM7	0	0
6	88049969	SMIM8	0	0
7	128845480	SMO	0	2
14	70459174	SMOC1	0	0
6	169053865	SMOC2	0	0
20	4158152	SMOX	0	0
11	6414935	SMPD1	1	1
6	109763764	SMPD2	2	1
16	68398661	SMPD3	0	0
2	130912789	SMPD4	0	0
6	123130310	SMPDL3A	1	0
1	28285037	SMPDL3B	0	1
4	71255478	SMR3B	1	11
22	31486870	SMTN	0	3
11	57310571	SMTNL1	0	1
17	4497160	SMTNL2	0	3
12	54577608	SMUG1	0	0
7	98648997	SMURF1	1	1
17	62577055	SMURF2	0	0
2	88402654	SMYD1	0	0
1	214492230	SMYD2	0	2
1	246078847	SMYD3	0	1
17	1704284	SMYD4	0	3
2	73446087	SMYD5	1	6
20	48600545	SNAI1	0	0
16	88747752	SNAI3	0	0

22	21213528	SNAP29	0	0
1	227935657	SNAP47	0	0
6	84311105	SNAP91	0	0
14	62229285	SNAPC1	4	27
19	7987069	SNAPC2	0	1
9	15459726	SNAPC3	0	1
9	139277719	SNAPC4	3	1
15	66786816	SNAPC5	0	0
5	121767783	SNCAIP	0	1
5	176053678	SNCB	1	0
10	88722398	SNCG	0	0
7	127724850	SND1	0	0
2	241976271	SNED1	0	0
17	47009038	SNF8	0	0
1	38019747	SNIP1	0	1
20	1286485	SNPH	0	0
3	43389353	SNRK	0	0
2	96942760	SNRNP200	0	0
16	107162	SNRNP25	0	0
12	123944461	SNRNP35	1	1
6	7594383	SNRNP48	0	3
19	49589731	SNRNP70	0	0
6	34725655	SNRPC	0	1
20	31996582	SNTA1	0	1
8	121554158	SNTB1	0	2
8	51449321	SNTG1	0	2
2	1161206	SNTG2	1	2
3	63649683	SNTN	1	0
15	75893470	SNUPN	0	1
15	64428559	SNX1	0	0
7	26386074	SNX10	0	0
17	46189978	SNX11	0	1
7	17841203	SNX13	0	0
6	86277238	SNX14	0	3
11	64802567	SNX15	0	2
8	82714638	SNX16	0	0
2	27598778	SNX17	0	0
5	53813830	SNX18	0	0
11	130781631	SNX19	4	14
5	122152681	SNX2	0	0
16	50707361	SNX20	0	0

20	44469409	SNX21	1	2
5	122343433	SNX24	1	1
4	186272631	SNX25	0	0
1	151633356	SNX27	0	0
16	12662449	SNX29	0	0
6	108582114	SNX3	0	0
9	115628799	SNX30	0	0
8	101608915	SNX31	0	0
11	65617575	SNX32	0	1
15	75942487	SNX33	0	0
3	125188287	SNX4	1	0
20	17929717	SNX5	0	0
14	35062224	SNX6	0	0
1	99161184	SNX7	0	0
7	2309209	SNX8	0	0
6	158349703	SNX9	0	0
1	179292592	SOAT1	1	1
12	53499423	SOAT2	1	4
6	107954945	SOBP	0	0
17	76354595	SOCS3	0	0
14	55511024	SOCS4	0	0
18	67992432	SOCS6	0	0
17	36508420	SOCS7	0	0
6	160113703	SOD2	0	0
20	35422936	SOGA1	0	1
6	127836046	SOGA3	0	0
9	138586263	SOHLH1	2	6
13	36744857	SOHLH2	0	0
21	34925657	SON	4	36
10	97174537	SORBS1	0	1
4	186577743	SORBS2	0	2
8	22412432	SORBS3	0	1
10	108412249	SORCS1	0	0
4	7691254	SORCS2	1	1
10	106865192	SORCS3	0	1
15	45361180	SORD	10	38
11	121448090	SORL1	0	0
1	109884775	SORT1	0	0
2	39239419	SOS1	0	0
14	50655370	SOS2	0	1
7	16502332	SOSTDC1	3	13

5	132150837	SOWAHA	0	0
4	77817874	SOWAHB	0	1
2	110373245	SOWAHC	0	0
13	112722350	SOX1	0	0
22	38379543	SOX10	0	0
1	204086246	SOX13	0	1
8	55372516	SOX17	0	0
3	181430886	SOX2	0	0
5	157075846	SOX30	0	0
6	21594939	SOX4	0	0
12	23893891	SOX5	0	0
11	16340056	SOX6	0	2
8	10583752	SOX7	0	0
16	1034858	SOX8	0	0
17	70119010	SOX9	0	0
12	53777330	SP1	0	0
2	231334532	SP100	0	1
2	231077683	SP110	1	1
2	231101960	SP140	0	3
2	231235605	SP140L	1	1
17	46000406	SP2	0	0
2	174820679	SP3	0	0
7	21469716	SP4	0	0
2	171572028	SP5	0	0
17	45925286	SP6	0	0
12	53722098	SP7	0	0
6	88757746	SPACA1	0	0
17	31318999	SPACA3	0	0
19	49110272	SPACA4	0	0
13	113030773	SPACA7	0	0
8	101232513	SPAG1	0	4
2	214160817	SPAG16	3	14
1	118644524	SPAG17	1	1
20	34205080	SPAG4	1	0
17	26911204	SPAG5	0	0
10	22690129	SPAG6	0	0
17	4863377	SPAG7	0	0
9	35810093	SPAG8	1	3
17	49067965	SPAG9	0	0
7	123594250	SPAM1	0	2
5	151043721	SPARC	0	0

4	88414733	SPARCL1	1	1
2	32367032	SPAST	0	0
1	85009934	SPATA1	0	1
3	57108101	SPATA12	0	0
13	24798333	SPATA13	0	5
3	172835125	SPATA16	1	0
1	218036075	SPATA17	1	0
4	52935999	SPATA18	0	0
11	133715350	SPATA19	0	1
20	48524803	SPATA2	0	0
17	48628897	SPATA20	0	1
1	16748479	SPATA21	2	1
5	138732579	SPATA24	0	2
20	44515279	SPATA25	0	0
16	89764597	SPATA2L	0	0
2	231861033	SPATA3	0	1
9	84604681	SPATA31D1	0	5
9	90501609	SPATA31E1	5	10
17	43333403	SPATA32	1	2
16	89735776	SPATA33	0	0
4	177114130	SPATA4	7	9
4	123977577	SPATA5	0	3
15	45695445	SPATA5L1	1	2
1	48866492	SPATA6	0	1
9	4625522	SPATA6L	0	0
14	88862486	SPATA7	0	0
15	97327393	SPATA8	0	0
5	94994339	SPATA9	0	3
8	145101656	SPATC1	0	1
21	47602664	SPATC1L	0	2
6	44329584	SPATS1	0	0
12	49854767	SPATS2	3	7
2	201304004	SPATS2L	0	1
2	169732622	SPC25	0	0
6	34512083	SPDEF	0	0
5	169023570	SPDL1	1	8
2	29072739	SPDYA	1	2
11	64939436	SPDYC	0	0
17	8656651	SPDYE4	0	0
17	20217375	SPECC1	1	2
22	24717637	SPECC1L	0	1

20	3759947	<i>SPEF1</i>	0	0
5	35712909	<i>SPEF2</i>	1	6
2	220338560	<i>SPEG</i>	0	0
17	7324336	<i>SPEM1</i>	1	1
1	16257838	<i>SPEN</i>	0	0
13	46276525	<i>SPERT</i>	0	0
15	69238392	<i>SPESP1</i>	0	1
15	44943757	<i>SPG11</i>	2	7
13	36909812	<i>SPG20</i>	0	1
15	65257700	<i>SPG21</i>	0	0
16	89598369	<i>SPG7</i>	2	14
1	229441002	<i>SPHAR</i>	0	0
17	74383559	<i>SPHK1</i>	5	23
19	49132581	<i>SPHK2</i>	0	0
2	228855993	<i>SPHKAP</i>	0	1
19	50927005	<i>SPIB</i>	0	0
3	113165480	<i>SPICE1</i>	0	0
8	48625325	<i>SPIDR</i>	1	0
5	147204192	<i>SPINK1</i>	1	0
5	147661742	<i>SPINK13</i>	0	0
9	33240225	<i>SPINK4</i>	0	0
5	147497981	<i>SPINK5</i>	0	0
5	147585644	<i>SPINK6</i>	1	0
5	147693779	<i>SPINK7</i>	0	0
15	41145380	<i>SPINT1</i>	0	1
19	38781238	<i>SPINT2</i>	0	0
20	44144249	<i>SPINT3</i>	0	0
20	44354278	<i>SPINT4</i>	0	0
18	12493185	<i>SPIRE1</i>	0	0
16	89922064	<i>SPIRE2</i>	0	2
16	29675697	<i>SPN</i>	0	1
16	28994542	<i>SPNS1</i>	0	0
17	4437078	<i>SPNS2</i>	0	0
17	4337406	<i>SPNS3</i>	6	13
20	55917863	<i>SPO11</i>	0	2
1	32265476	<i>SPOCD1</i>	2	2
5	136320823	<i>SPOCK1</i>	0	0
10	73832242	<i>SPOCK2</i>	0	0
4	167983640	<i>SPOCK3</i>	0	0
4	1165641	<i>SPON2</i>	0	0
2	139316911	<i>SPOPL</i>	0	1

4	88901197	<i>SPP1</i>	1	6
2	234959703	<i>SPP2</i>	0	0
15	51039784	<i>SPPL2A</i>	0	0
12	121206232	<i>SPPL3</i>	0	0
2	73115507	<i>SPR</i>	2	0
15	38643610	<i>SPRED1</i>	0	0
2	65540905	<i>SPRED2</i>	0	3
1	231488541	<i>SPRTN</i>	0	0
4	124323451	<i>SPRY1</i>	0	1
5	141694008	<i>SPRY4</i>	0	0
12	56863221	<i>SPRYD4</i>	0	0
12	6981412	<i>SPSB2</i>	0	1
16	1831343	<i>SPSB3</i>	0	0
3	140785473	<i>SPSB4</i>	0	0
1	158614079	<i>SPTA1</i>	0	0
9	131394525	<i>SPTAN1</i>	0	1
14	65240064	<i>SPTB</i>	0	0
2	54856785	<i>SPTBN1</i>	0	0
11	66468122	<i>SPTBN2</i>	0	1
19	41029418	<i>SPTBN4</i>	0	0
15	42153617	<i>SPTBN5</i>	5	25
9	94830232	<i>SPTLC1</i>	0	0
14	78036823	<i>SPTLC2</i>	1	1
20	13144978	<i>SPTLC3</i>	0	0
11	18655815	<i>SPTY2D1</i>	0	0
12	21679397	<i>SPX</i>	0	1
5	79617054	<i>SPZ1</i>	4	17
8	126034052	<i>SQLE</i>	0	0
15	45951288	<i>SQRDL</i>	0	1
5	179260009	<i>SQSTM1</i>	0	0
5	139930395	<i>SRA1</i>	1	4
2	45645530	<i>SRBD1</i>	1	1
16	30735540	<i>SRCAP</i>	0	0
17	36707480	<i>SRCIN1</i>	0	0
5	6652043	<i>SRD5A1</i>	0	0
4	56212613	<i>SRD5A3</i>	0	0
17	17721545	<i>SREBF1</i>	0	2
22	42273916	<i>SREBF2</i>	0	0
5	65473417	<i>SREK1</i>	0	0
5	121356402	<i>SRFBP1</i>	0	0
12	64480817	<i>SRGAP1</i>	0	0

3	9068656	SRGAP3	0	0
10	70863699	SRGN	0	0
7	87839371	SRI	0	0
16	4247873	SRL	0	2
20	62178483	SRMS	0	1
17	74036544	SRP68	0	0
4	57361553	SRP72	1	0
6	35803192	SRPK1	0	0
7	104767492	SRPK2	0	0
11	126137536	SRPRA	0	0
3	133535793	SRPRB	0	0
17	2218853	SRR	0	1
22	26886069	SRRD	0	2
1	24979063	SRRM1	0	0
16	2813316	SRRM2	0	4
7	75890226	SRRM3	0	0
12	119594508	SRRM4	1	1
19	44118418	SRRM5	1	0
7	100482579	SRRT	0	1
1	70687334	SRSF11	0	0
6	89808350	SRSF12	0	0
17	74733006	SRSF2	0	0
1	29475184	SRSF4	2	0
14	70238138	SRSF5	0	1
12	120907332	SRSF9	0	0
20	629430	SRXN1	0	0
20	60747778	SS18L1	0	0
5	80785105	SSBP2	0	0
1	54694107	SSBP3	0	0
7	76030356	SSC4D	0	0
19	56011909	SSC5D	4	9
2	182763601	SSFA2	1	1
12	109182682	SSH1	0	0
17	27999018	SSH2	0	1
11	67071630	SSH3	0	2
7	129855860	SSMEM1	0	2
12	26383834	SSPN	0	0
7	149528263	SSPO	12	59
6	7313342	SSR1	0	0
1	155981685	SSR2	0	0
3	156272780	SSR3	1	0

11	57093890	SSRP1	0	0
11	65338117	SSSCA1	0	2
3	187388048	SST	0	0
22	37603510	SSTR3	0	1
20	23016879	SSTR4	1	1
16	1129417	SSTR5	0	0
3	8675467	SSUH2	0	1
1	85113229	SSX2IP	0	3
11	130059622	ST14	0	0
8	53055519	ST18	0	1
15	80215518	ST20	3	13
8	134472163	ST3GAL1	0	0
16	70432230	ST3GAL2	0	0
1	44364971	ST3GAL3	0	2
11	126276006	ST3GAL4	0	0
2	86075503	ST3GAL5	0	3
3	98512540	ST3GAL6	0	0
11	8718080	ST5	0	0
3	186792069	ST6GAL1	0	0
2	107450525	ST6GAL2	0	1
17	74625633	ST6GALNAC1	3	1
17	74564790	ST6GALNAC2	0	2
1	77093176	ST6GALNAC3	0	2
9	130674756	ST6GALNAC4	0	1
1	77333355	ST6GALNAC5	0	1
9	130653167	ST6GALNAC6	0	0
7	116774262	ST7	0	0
1	113143486	ST7L	0	0
12	22402023	ST8SIA1	0	0
15	93007426	ST8SIA2	0	0
18	55024540	ST8SIA3	0	0
5	100231408	ST8SIA4	0	0
18	44266172	ST8SIA5	0	1
10	17362976	ST8SIA6	0	1
3	52540755	STAB1	0	8
12	104046445	STAB2	3	7
3	36547258	STAC	0	0
17	37371065	STAC2	0	0
12	57637604	STAC3	0	0
3	136170986	STAG1	0	0
7	99802910	STAG3	1	3

10	17686393	STAM	0	1
2	153032090	STAM2	0	1
2	74077640	STAMBP	0	0
10	90672959	STAMBPL1	0	3
4	68424532	STAP1	0	0
19	4325433	STAP2	0	2
8	38003787	STAR	0	0
11	72466017	STARD10	0	1
13	33679799	STARD13	0	1
17	37815353	STARD3	0	0
5	110842012	STARD4	0	2
15	81614811	STARD5	0	0
18	51863542	STARD6	0	1
2	96906221	STARD7	0	0
12	56744676	STAT2	0	0
2	191895767	STAT4	0	1
17	40459431	STAT5A	0	0
17	40362214	STAT5B	0	0
12	57493602	STAT6	2	0
20	47740915	STAU1	0	0
8	74650574	STAU2	0	0
4	77231030	STBD1	2	5
5	172750268	STC2	0	0
7	22534463	STEAP1B	0	1
7	89861849	STEAP2	0	3
2	120015164	STEAP3	0	0
7	87913221	STEAP4	0	0
1	47716889	STIL	0	1
11	3988876	STIM1	2	0
4	27009642	STIM2	0	0
5	171533782	STK10	0	2
19	1226538	STK11	0	0
2	220466199	STK11IP	1	9
2	220112251	STK16	0	1
7	43647879	STK17A	0	3
2	197008324	STK17B	0	0
13	99109484	STK24	0	0
2	242438364	STK25	1	0
8	99786955	STK3	0	1
7	23749977	STK31	3	10
5	146763565	STK32A	0	3

4	5458556	STK32B	0	2
10	134038791	STK32C	0	0
11	8474379	STK33	0	0
2	219553503	STK36	0	1
6	36465577	STK38	0	0
2	168994648	STK39	0	0
20	43610512	STK4	0	1
1	36807464	STK40	0	0
9	136268823	STKLD1	1	6
1	26228165	STMN1	0	1
8	27101279	STMN4	0	0
9	124118388	STOM	1	0
15	74277154	STOML1	0	0
9	35102743	STOML2	0	0
13	39550706	STOML3	1	0
2	48809164	STON1	1	5
14	81737076	STON2	0	1
10	70645107	STOX1	2	4
4	184930710	STOX2	0	1
4	99049734	STPG2	1	6
17	79977718	STRA13	0	0
15	74483178	STRA6	0	1
7	134931289	STRA8	0	0
17	61790811	STRADA	0	1
12	16042940	STRAP	0	1
9	125920647	STRBP	0	0
15	43893072	STRC	0	0
1	110590420	STRIP1	0	0
7	129110498	STRIP2	0	0
2	37096756	STRN	0	0
14	31388312	STRN3	0	0
19	47226128	STRN4	0	1
11	125481405	STT3A	0	0
3	31638362	STT3B	0	0
16	732384	STUB1	0	0
19	13260563	STX10	4	8
6	144508037	STX11	0	0
1	28138716	STX12	0	0
20	57245605	STX16	0	0
9	102677589	STX17	0	1
4	4436517	STX18	1	0

3	93734029	STX19	2	1
12	131280639	STX2	0	0
11	59557993	STX3	0	0
16	31045564	STX4	0	0
11	62591982	STX5	0	0
1	180962526	STX6	0	0
6	132796745	STX7	0	1
17	9395231	STX8	0	0
9	130427574	STXBP1	0	0
19	7706954	STXBP2	0	7
17	53158412	STXBP4	0	2
6	147704068	STXBP5	1	0
3	120973818	STXBP5L	0	3
14	25325254	STXBP6	0	0
12	10772746	STYK1	0	1
14	53211562	STYX	0	0
7	75633160	STYXL1	0	0
13	48562775	SUCLA2	0	0
2	84652704	SUCLG1	0	0
3	67578624	SUCLG2	0	0
3	151598493	SUCNR1	0	0
1	172558027	SUCO	1	3
12	118839750	SUDS3	0	0
10	104359183	SUFU	0	0
7	40234653	SUGCT	1	1
19	19431288	SUGP1	1	0
19	19120908	SUGP2	0	0
8	70515520	SULF1	0	0
20	46292910	SULF2	0	0
16	28604821	SULT1A2	0	0
4	70615481	SULT1B1	0	0
2	108910692	SULT1C2	2	1
2	108869824	SULT1C3	0	0
2	109002737	SULT1C4	0	0
4	70715192	SULT1E1	0	0
19	48386888	SULT2A1	0	1
19	49055521	SULT2B1	0	0
2	37410571	SULT6B1	0	3
3	4403837	SUMF1	0	0
7	56146106	SUMF2	0	1
7	892241	SUN1	0	0

22	39134715	SUN2	0	0
7	48033927	SUN3	0	0
20	31573614	SUN5	0	0
12	56397802	SUOX	0	1
14	21841524	SUPT16H	0	1
13	37600352	SUPT20H	0	1
6	44971492	SUPT3H	0	2
17	56424571	SUPT4H1	2	0
19	39959745	SUPT5H	0	1
17	27014396	SUPT6H	1	0
2	27880303	SUPT7L	3	1
10	70968505	SUPV3L1	0	2
9	136218771	SURF1	0	3
9	136228006	SURF2	0	0
9	136200623	SURF6	0	1
9	114911600	SUSD1	2	5
22	24582236	SUSD2	1	1
9	95840141	SUSD3	0	0
1	223533562	SUSD4	0	0
3	33194513	SUSD5	0	1
14	70125387	SUSD6	0	1
17	30321630	SUZ12	1	0
1	149878423	SV2A	0	0
15	91835729	SV2B	0	0
5	75581653	SV2C	0	2
9	113168501	SVEP1	1	1
10	29821714	SVIL	0	1
11	22849347	SVIP	0	0
12	109306467	SVOP	0	0
7	138341184	SVOPL	6	18
9	131038590	SWI5	0	0
19	11486536	SWSAP1	0	0
1	185259887	SWT1	0	1
8	110587333	SYBU	0	1
10	135371661	SYCE1	0	1
16	77246110	SYCE1L	0	2
19	13029083	SYCE2	0	0
22	50989773	SYCE3	0	0
19	39694577	SYCN	0	0
1	115487561	SYCP1	0	1
20	58470616	SYCP2	0	0

6	10898999	<i>SYCP2L</i>	0	2
12	102131621	<i>SYCP3</i>	0	2
19	15222492	<i>SYDE1</i>	0	0
1	85655875	<i>SYDE2</i>	2	9
1	25558560	<i>SYF2</i>	0	0
9	93624502	<i>SYK</i>	0	0
19	46326651	<i>SYMPK</i>	0	0
22	32924939	<i>SYN3</i>	0	0
1	33160886	<i>SYNC</i>	0	0
20	24646086	<i>SYNDIG1</i>	0	0
14	74874675	<i>SYNDIG1L</i>	0	0
6	152823880	<i>SYNE1</i>	0	10
14	64532206	<i>SYNE2</i>	0	5
14	95884217	<i>SYNE3</i>	0	2
19	36494234	<i>SYNE4</i>	1	2
22	39770380	<i>SYNGR1</i>	0	1
19	48869139	<i>SYNGR4</i>	0	3
21	34017336	<i>SYNJ1</i>	0	0
6	158499260	<i>SYNJ2</i>	1	0
14	70842461	<i>SYNJ2BP</i>	0	0
5	150027661	<i>SYNPO</i>	0	0
4	119978897	<i>SYNPO2</i>	0	0
10	75408351	<i>SYNPO2L</i>	0	3
3	63264391	<i>SYNPR</i>	0	0
17	35937482	<i>SYNRG</i>	0	0
7	105752628	<i>SYPL1</i>	0	0
1	110020645	<i>SYPL2</i>	0	0
20	43995543	<i>SYS1</i>	0	1
12	33529823	<i>SYT10</i>	0	0
1	155851047	<i>SYT11</i>	0	0
11	66802252	<i>SYT12</i>	0	0
11	45265669	<i>SYT13</i>	0	0
1	210111597	<i>SYT14</i>	0	0
10	46967672	<i>SYT15</i>	1	1
14	62541988	<i>SYT16</i>	0	0
16	19194968	<i>SYT17</i>	0	2
1	202569555	<i>SYT2</i>	0	0
19	51133356	<i>SYT3</i>	0	0
18	40851687	<i>SYT4</i>	0	1
19	55687413	<i>SYT5</i>	0	0
1	114680315	<i>SYT6</i>	0	0

11	1857228	SYT8	1	1
11	7334749	SYT9	0	0
1	27677323	SYTL1	0	0
11	85436352	SYTL2	1	1
6	159103997	SYTL3	3	2
11	64897691	SYVN1	0	0
1	43912045	SZT2	0	1
6	132966522	TAAR1	0	0
6	132939071	TAAR2	1	0
6	132910011	TAAR5	0	0
6	132891802	TAAR6	0	0
6	132874277	TAAR8	0	4
22	39811079	TAB1	0	4
12	57407203	TAC3	0	0
17	47917198	TAC4	0	0
8	38677293	TACC1	0	0
10	123844730	TACC2	1	5
4	1729988	TACC3	0	0
17	61684722	TACO1	0	0
2	75425728	TACR1	0	2
10	71175864	TACR2	0	0
4	104511070	TACR3	2	1
1	59042001	TACSTD2	0	0
1	166827461	TADA1	0	3
17	35831222	TADA2A	1	0
4	7056157	TADA2B	0	0
3	9828893	TADA3	0	0
11	6632450	TAF10	0	0
6	34855591	TAF11	0	0
1	28944528	TAF12	0	0
17	34149833	TAF15	0	2
1	222753086	TAF1A	0	0
2	10008830	TAF1B	0	1
16	84213114	TAF1C	0	1
11	93472438	TAF1D	3	2
9	32633567	TAF1L	0	0
8	120790304	TAF2	0	1
10	8007528	TAF3	0	0
20	60581686	TAF4	0	0
18	23873484	TAF4B	0	0
10	105139528	TAF5	0	1

1	229738356	TAF5L	0	0
7	99707682	TAF6	0	0
11	62549330	TAF6L	0	0
6	42036243	TAF8	0	1
6	159458016	TAGAP	0	1
11	117075045	TAGLN	0	0
11	755856	TALDO1	0	1
3	11888111	TAMM41	0	0
2	159954295	TANC1	0	1
17	61498119	TANC2	0	0
22	20043570	TANGO2	0	0
16	68896865	TANGO6	0	2
2	162061230	TANK	0	0
17	27861258	TAOK1	0	0
16	29998920	TAOK2	0	0
12	118610394	TAOK3	0	0
12	6571294	TAPBPL	0	0
4	16176285	TAPT1	0	0
1	234593497	TARBP1	0	4
12	53895874	TARBP2	0	0
19	54577305	TARM1	0	2
5	33445434	TARS	0	0
1	150471156	TARS2	0	1
15	102211916	TARSL2	0	1
1	6634764	TAS1R1	7	5
1	19175973	TAS1R2	2	4
1	1266931	TAS1R3	1	0
5	9630001	TAS2R1	0	0
12	10978638	TAS2R10	0	0
12	11061122	TAS2R13	1	0
12	11091329	TAS2R14	0	2
7	122635173	TAS2R16	2	0
12	11174380	TAS2R19	0	0
12	11149711	TAS2R20	0	1
7	141464897	TAS2R3	4	10
12	11285950	TAS2R30	0	1
12	11183899	TAS2R31	0	0
7	141673074	TAS2R38	0	0
7	142881006	TAS2R39	0	2
7	141479053	TAS2R4	0	0
7	142919238	TAS2R40	0	3

7	143175850	TAS2R41	0	0
12	11339146	TAS2R42	0	0
12	11214654	TAS2R46	0	2
7	141490499	TAS2R5	0	0
7	143141391	TAS2R60	0	1
12	10954916	TAS2R7	0	1
12	10959534	TAS2R8	0	1
12	10962115	TAS2R9	0	0
16	71606420	TAT	0	0
8	125551274	TATDN1	0	5
3	10291140	TATDN2	0	1
1	212981188	TATDN3	0	1
7	27827093	TAX1BP1	0	0
17	3567087	TAX1BP3	0	0
10	72531135	TBATA	0	0
4	38045998	TBC1D1	0	1
22	30714618	TBC1D10A	0	0
16	30369421	TBC1D10B	0	3
11	67173155	TBC1D10C	0	2
10	96291163	TBC1D12	0	1
9	131568514	TBC1D13	0	0
4	6925790	TBC1D14	0	0
12	72288606	TBC1D15	0	0
17	77926491	TBC1D16	0	0
19	50380979	TBC1D17	0	2
4	26675411	TBC1D19	0	0
9	100983483	TBC1D2	0	3
20	419299	TBC1D20	0	0
15	74180806	TBC1D21	1	1
22	47290691	TBC1D22A	2	0
6	37250025	TBC1D22B	0	0
3	100016874	TBC1D23	0	0
16	2548207	TBC1D24	0	0
17	18541693	TBC1D28	0	0
15	78295743	TBC1D2B	0	1
8	124154697	TBC1D31	2	2
6	121625945	TBC1D32	2	4
13	75900329	TBC1D4	0	1
3	17202662	TBC1D5	0	1
6	13316805	TBC1D7	0	0
2	101646144	TBC1D8	0	3

4	141622665	<i>TBC1D9</i>	0	0
5	179318427	<i>TBC1D9B</i>	0	5
6	42713274	<i>TBCC</i>	0	1
3	186272372	<i>TBCCD1</i>	0	0
17	80865658	<i>TBCD</i>	0	0
1	235594122	<i>TBCE</i>	0	1
4	107157562	<i>TBCK</i>	0	3
12	64854103	<i>TBK1</i>	1	0
17	45787959	<i>TBKBP1</i>	0	0
7	72992904	<i>TBL2</i>	0	1
16	2026124	<i>TBL3</i>	0	0
6	134301338	<i>TBPL1</i>	0	0
14	55907207	<i>TBPL2</i>	0	3
2	162280028	<i>TBR1</i>	0	0
11	124500662	<i>TBRG1</i>	0	0
7	45148528	<i>TBRG4</i>	2	4
22	19747128	<i>TBX1</i>	0	2
11	67402414	<i>TBX10</i>	0	5
1	119427687	<i>TBX15</i>	0	0
6	85473822	<i>TBX18</i>	0	0
1	168260503	<i>TBX19</i>	0	0
17	59482888	<i>TBX2</i>	0	0
7	35284633	<i>TBX20</i>	0	0
17	45821659	<i>TBX21</i>	0	0
12	115117748	<i>TBX3</i>	0	0
17	59534987	<i>TBX4</i>	0	0
12	114837326	<i>TBX5</i>	0	0
16	30102391	<i>TBX6</i>	0	0
19	3600513	<i>TBXA2R</i>	0	0
7	139636028	<i>TBXAS1</i>	2	2
14	92251587	<i>TC2N</i>	0	1
7	143573198	<i>TCAF1</i>	0	0
3	44441990	<i>TCAIM</i>	0	0
17	37821595	<i>TCAP</i>	1	2
8	54923005	<i>TCEA1</i>	0	0
20	62700756	<i>TCEA2</i>	0	0
1	23710832	<i>TCEA3</i>	0	2
1	54561996	<i>TCEANC2</i>	0	0
1	24077656	<i>TCEB3</i>	0	0
18	44560553	<i>TCEB3B</i>	0	0
5	145888758	<i>TCERG1</i>	0	1

10	133058640	<i>TCERG1L</i>	0	0
15	57554344	<i>TCF12</i>	1	1
22	42608480	<i>TCF20</i>	1	6
6	134210598	<i>TCF21</i>	0	0
2	27372075	<i>TCF23</i>	0	0
16	89958597	<i>TCF25</i>	0	0
19	1627418	<i>TCF3</i>	0	1
18	53070763	<i>TCF4</i>	0	1
5	133451709	<i>TCF7</i>	0	0
2	85531371	<i>TCF7L1</i>	0	0
10	114912081	<i>TCF7L2</i>	1	0
20	61473438	<i>TCFL5</i>	0	0
1	152083650	<i>TCHH</i>	7	75
1	152058559	<i>TCHHL1</i>	0	2
12	110352361	<i>TCHP</i>	0	3
11	67814979	<i>TCIRG1</i>	0	0
14	96180373	<i>TCL1A</i>	0	0
11	59622292	<i>TCN1</i>	1	4
22	31010417	<i>TCN2</i>	0	3
5	149753721	<i>TCOF1</i>	0	2
6	160205883	<i>TCP1</i>	0	0
6	167789458	<i>TCP10</i>	0	0
6	35088067	<i>TCP11</i>	0	1
11	33079580	<i>TCP11L1</i>	0	0
12	106740278	<i>TCP11L2</i>	0	7
6	44255338	<i>TCTE1</i>	0	0
6	170144228	<i>TCTE3</i>	0	0
1	67242029	<i>TCTEX1D1</i>	0	1
3	196044967	<i>TCTEX1D2</i>	0	0
12	111078862	<i>TCTN1</i>	0	4
12	124181049	<i>TCTN2</i>	0	3
10	97444321	<i>TCTN3</i>	0	2
12	104379506	<i>TDG</i>	0	0
4	156831220	<i>TDO2</i>	0	3
14	90456030	<i>TDP1</i>	0	2
6	24667016	<i>TDP2</i>	0	0
10	115987645	<i>TDRD1</i>	0	0
1	154493898	<i>TDRD10</i>	2	2
19	33281614	<i>TDRD12</i>	0	0
2	21360582	<i>TDRD15</i>	0	3
13	61057959	<i>TDRD3</i>	0	1

1	179632536	TDRD5	0	0
6	46656557	TDRD6	2	4
9	100237650	TDRD7	0	0
14	104493112	TDRD9	1	1
1	151747970	TDRKH	0	1
8	442579	TDRP	0	1
11	12886473	TEAD1	0	0
19	49851941	TEAD2	0	1
6	35447051	TEAD3	0	0
12	3131145	TEAD4	0	0
4	48140949	TEC	0	2
7	97862987	TECPR1	0	0
14	102964040	TECPR2	0	0
4	65275070	TECRL	0	1
11	121016578	TECTA	0	4
10	114045861	TECTB	0	0
1	182369054	TEDDM1	0	1
17	29226228	TEFM	0	0
9	27168571	TEK	0	0
17	6716324	TEKT1	0	0
1	36551445	TEKT2	0	1
17	15222418	TEKT3	1	0
2	95537348	TEKT4	0	2
16	10775939	TEKT5	0	0
16	1550589	TELO2	0	0
17	73987590	TEN1	0	1
5	167642181	TENM2	0	0
4	183594357	TENM3	0	0
11	78369178	TENM4	0	1
14	20858870	TEP1	1	6
16	58018641	TEPP	0	0
16	69419394	TERF2	0	0
16	75681945	TERF2IP	1	0
5	1280252	TERT	0	0
7	115890400	TES	0	0
9	35609361	TESK1	0	0
1	45810620	TESK2	0	0
12	55357665	TESPA1	0	2
10	70333555	TET1	0	1
4	106196443	TET2	4	42
2	74275174	TET3	0	0

9	103108432	TEX10	0	0
19	43910649	TEX101	0	0
11	112040042	TEX12	0	0
17	56693594	TEX14	1	5
8	30705249	TEX15	5	13
17	80320175	TEX19	0	0
17	62291426	TEX2	0	0
13	31526821	TEX26	1	0
2	71219084	TEX261	0	1
13	112297565	TEX29	0	0
13	103420680	TEX30	0	0
22	37398102	TEX33	0	1
1	178489721	TEX35	0	0
10	127344661	TEX36	0	0
2	88828847	TEX37	0	2
1	47139103	TEX38	0	1
11	64067900	TEX40	0	1
15	56704575	TEX9	0	1
3	133487000	TF	0	0
6	10410336	TFAP2A	0	1
6	50796432	TFAP2B	0	0
6	50719011	TFAP2D	0	0
1	36040558	TFAP2E	0	1
6	155619688	TFB1M	2	4
1	246704369	TFB2M	0	1
2	122004466	TFCP2L1	1	0
3	141671382	TFDP2	0	0
6	41652514	TFEB	0	0
7	115624563	TFEC	0	0
21	43766598	TFF2	0	0
21	43732257	TFF3	0	0
3	100467262	TFG	0	0
22	26906185	TFIP11	0	7
2	188361675	TFPI	0	0
7	93518486	TFPI2	0	0
19	54613511	TFPT	0	0
7	100225828	TFR2	0	0
3	195796307	TFRC	0	0
8	134128880	TG	2	2
13	95233359	TGDS	0	1
19	41847943	TGFB1	0	0

16	31485964	<i>TGFB111</i>	0	0
1	218578521	<i>TGFB2</i>	0	0
14	76437524	<i>TGFB3</i>	0	0
5	135398280	<i>TGFB1</i>	0	1
9	101909958	<i>TGFBR1</i>	0	0
3	30732989	<i>TGFBR2</i>	0	0
1	92181916	<i>TGFBR3</i>	2	0
2	105885903	<i>TGFBRAP1</i>	0	0
18	3452316	<i>TGIF1</i>	1	10
20	35207298	<i>TGIF2</i>	0	0
14	24731274	<i>TGM1</i>	0	0
20	36767850	<i>TGM2</i>	2	1
20	2312721	<i>TGM3</i>	0	1
3	44943104	<i>TGM4</i>	0	5
15	43545734	<i>TGM5</i>	0	3
20	2380936	<i>TGM6</i>	1	2
15	43571435	<i>TGM7</i>	1	0
2	85552121	<i>TGOLN2</i>	0	1
8	56699504	<i>TGS1</i>	1	1
11	2189161	<i>TH</i>	0	0
2	43801994	<i>THADA</i>	1	2
15	71184235	<i>THAP10</i>	1	0
16	67876676	<i>THAP11</i>	0	0
12	72070759	<i>THAP2</i>	0	1
1	6694099	<i>THAP3</i>	0	0
2	242572996	<i>THAP4</i>	0	0
7	108206442	<i>THAP5</i>	0	3
4	76440734	<i>THAP6</i>	0	0
22	21354397	<i>THAP7</i>	0	0
19	36530913	<i>THAP8</i>	0	0
4	83829089	<i>THAP9</i>	0	3
20	23028645	<i>THBD</i>	0	0
15	39883418	<i>THBS1</i>	0	0
6	169622349	<i>THBS2</i>	0	2
1	155167443	<i>THBS3</i>	0	4
5	79361282	<i>THBS4</i>	1	2
19	372689	<i>THEG</i>	0	0
1	151819621	<i>THEM5</i>	0	0
8	143816794	<i>THEM6</i>	0	0
6	128150637	<i>THEMIS</i>	0	2
1	28209509	<i>THEMIS2</i>	0	0

5	157158466	THG1L	0	0
10	25312794	THNSL1	2	4
2	88484934	THNSL2	0	3
18	226830	THOC1	0	0
22	29927086	THOC5	0	0
16	3077260	THOC6	1	0
19	2808361	THOP1	0	0
3	184093772	THPO	1	2
17	38249276	THRA	0	4
1	36769447	THRAP3	0	0
11	77775155	THRSP	0	0
13	52971718	THSD1	1	0
15	72069673	THSD4	0	0
7	11419283	THSD7A	0	0
2	138378181	THSD7B	0	0
14	24026127	THTPA	0	1
16	20748388	THUMPD1	0	0
2	39963886	THUMPD2	0	0
3	9412791	THUMPD3	0	1
11	134119051	THYN1	0	0
2	70441562	TIA1	0	0
17	27401080	TIAF1	0	0
21	32490970	TIAM1	0	1
6	155504618	TIAM2	0	0
19	4817172	TICAM1	0	0
5	114916606	TICAM2	0	1
15	90168641	TICRR	0	1
1	43770936	TIE1	2	3
4	113199282	TIFA	0	0
4	90034730	TIGD2	0	0
11	65124278	TIGD3	0	0
4	153691222	TIGD4	0	1
8	144681660	TIGD5	0	0
5	149375721	TIGD6	0	2
16	3350543	TIGD7	0	0
3	114014597	TIGIT	0	0
5	156381685	TIMD4	0	1
12	56817253	TIMELESS	0	6
1	201938594	TIMM17A	0	0
18	71816278	TIMM21	0	2
17	900439	TIMM22	0	1

10	51592523	<i>TIMM23</i>	0	0
19	7997821	<i>TIMM44</i>	0	0
19	39976402	<i>TIMM50</i>	0	1
3	119217628	<i>TIMMDC1</i>	0	2
6	54191965	<i>TINAG</i>	1	2
1	32042929	<i>TINAGL1</i>	0	0
14	24709069	<i>TINF2</i>	0	1
3	156411875	<i>TIPARP</i>	0	0
15	66645262	<i>TIPIN</i>	0	1
11	126162468	<i>TIRAP</i>	0	1
6	43472864	<i>TJAP1</i>	1	1
15	29996484	<i>TJP1</i>	0	0
9	71851907	<i>TJP2</i>	1	1
19	3735892	<i>TJP3</i>	0	2
17	76170951	<i>TK1</i>	0	0
16	66584085	<i>TK2</i>	0	0
11	61106641	<i>TKFC</i>	0	2
3	53269010	<i>TKT</i>	0	1
4	164393720	<i>TKTL2</i>	5	12
17	27051582	<i>TLCD1</i>	0	0
16	84523025	<i>TLDC1</i>	2	6
20	35509130	<i>TLDC2</i>	0	0
9	84200529	<i>TLE1</i>	0	0
19	3006610	<i>TLE2</i>	0	3
15	70346851	<i>TLE3</i>	0	0
9	82227555	<i>TLE4</i>	0	0
19	2991913	<i>TLE6</i>	3	0
2	171938179	<i>TLK1</i>	0	0
4	166915629	<i>TLL1</i>	0	0
10	98133387	<i>TLL2</i>	1	2
9	35698080	<i>TLN1</i>	1	0
15	63054560	<i>TLN2</i>	0	2
4	38799710	<i>TLR1</i>	4	8
4	38776072	<i>TLR10</i>	1	13
4	154625163	<i>TLR2</i>	0	4
4	187005868	<i>TLR3</i>	2	0
9	120475918	<i>TLR4</i>	0	1
1	223284528	<i>TLR5</i>	2	3
4	38828828	<i>TLR6</i>	0	0
3	52256178	<i>TLR9</i>	0	0
10	102893961	<i>TLX1</i>	0	0

5	170736600	TLX3	0	0
1	62190897	TM2D1	0	0
8	38851159	TM2D2	0	0
15	102192548	TM2D3	0	0
3	149093451	TM4SF1	0	0
3	149039297	TM4SF18	0	0
3	196044908	TM4SF19	0	2
2	228228578	TM4SF20	1	0
17	4685934	TM4SF5	0	1
15	83796250	TM6SF1	0	0
19	19380996	TM6SF2	0	0
11	64883462	TM7SF2	0	1
12	27156202	TM7SF3	0	0
14	24658642	TM9SF1	0	0
10	98287261	TM9SF3	0	0
20	30697518	TM9SF4	0	0
4	164415910	TMA16	0	5
2	219140282	TMBIM1	0	1
12	66539664	TMBIM4	0	5
12	50152081	TMBIM6	0	1
9	75445592	TMC1	0	2
20	2621952	TMC2	0	4
15	81633823	TMC3	0	1
19	54675660	TMC4	2	0
16	19490836	TMC5	1	0
17	76113433	TMC6	0	1
16	19033051	TMC7	0	0
17	76129534	TMC8	0	1
3	129370369	TMCC1	0	0
1	205210952	TMCC2	0	2
12	94975835	TMCC3	0	0
1	165737526	TMCO1	1	3
1	40717197	TMCO2	1	3
13	114156093	TMCO3	0	1
1	20097888	TMCO4	2	11
15	38235521	TMCO5A	0	1
5	140023238	TMCO6	0	0
12	124069279	TMED2	0	0
15	79606119	TMED3	5	19
7	44621766	TMED4	0	1
1	93620318	TMED5	0	0

16	69381712	TMED6	0	1
14	77810133	TMED8	0	0
5	177019291	TMED9	0	0
9	103235956	TMEFF1	0	0
2	193059184	TMEFF2	0	0
17	53798189	TMEM100	0	0
17	42089464	TMEM101	0	0
17	7339627	TMEM102	0	0
17	72832289	TMEM104	0	1
17	79287710	TMEM105	0	0
17	41365196	TMEM106A	0	2
7	12270059	TMEM106B	0	0
12	48359705	TMEM106C	0	1
3	133099770	TMEM108	0	0
11	60687275	TMEM109	0	0
3	52874561	TMEM110	0	0
3	50395655	TMEM115	0	0
12	112376014	TMEM116	0	0
12	44781894	TMEM117	0	0
12	108985976	TMEM119	0	2
12	122190076	TMEM120B	0	0
11	102269598	TMEM123	0	2
1	43738495	TMEM125	0	1
11	85361395	TMEM126A	0	0
11	85345325	TMEM126B	1	0
2	96920677	TMEM127	0	0
4	1720119	TMEM129	0	2
7	98457888	TMEM130	0	1
2	98412848	TMEM131	0	0
11	60703431	TMEM132A	1	0
12	126004037	TMEM132B	1	0
12	129180585	TMEM132C	0	0
12	129822269	TMEM132D	0	0
17	32953258	TMEM132E	1	1
11	100863196	TMEM133	0	0
11	67234962	TMEM134	8	27
11	87013437	TMEM135	0	0
7	142983699	TMEM139	0	2
7	134849253	TMEM140	0	0
9	139686761	TMEM141	0	0
19	48836587	TMEM143	1	2

4	159161483	TMEM144	0	8
19	42818691	TMEM145	0	0
6	52546657	TMEM14A	0	0
19	55832001	TMEM150B	0	1
4	83417333	TMEM150C	0	0
4	153573985	TMEM154	0	0
4	122683007	TMEM155	0	1
4	38990442	TMEM156	0	0
16	21190856	TMEM159	0	0
19	19243175	TMEM161A	1	6
5	87493525	TMEM161B	0	0
7	112424650	TMEM168	0	0
2	216964944	TMEM169	0	0
2	62729614	TMEM17	0	0
16	75485566	TMEM170A	0	5
5	72419467	TMEM171	0	1
5	138856982	TMEM173	0	0
5	72469224	TMEM174	0	0
4	947112	TMEM175	2	1
7	150501886	TMEM176A	0	0
7	150490376	TMEM176B	0	0
2	120439282	TMEM177	0	1
2	39893174	TMEM178A	0	0
2	676160	TMEM18	0	0
6	159046713	TMEM181	0	0
2	103380834	TMEM182	0	0
7	1595068	TMEM184A	0	0
22	38617653	TMEM184B	0	0
4	148552639	TMEM184C	0	0
16	8890010	TMEM186	0	0
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19	55889485	TMEM190	0	2
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2	220412622	TMEM198	0	0
17	26685983	TMEM199	0	0
9	74344821	TMEM2	0	1
6	130762494	TMEM200A	0	0
1	9670619	TMEM201	0	0
15	72699549	TMEM202	0	1
9	140099675	TMEM203	0	0

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19	11456004	TMEM205	0	0
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3	190165579	TMEM207	0	0
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9	32784226	TMEM215	1	0
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16	29974810	TMEM219	0	0
17	10628364	TMEM220	0	1
1	27658547	TMEM222	0	0
11	62558341	TMEM223	0	2
11	123756132	TMEM225	0	0
7	123672875	TMEM229A	0	0
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16	75574030	TMEM231	0	0
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2	202507388	TMEM237	0	4
20	2797465	TMEM239	0	0
1	1470805	TMEM240	0	0
18	20932250	TMEM241	0	0
6	157739931	TMEM242	2	0
7	86827302	TMEM243	0	0
6	130154693	TMEM244	0	1
9	111800357	TMEM245	0	2
2	46711464	TMEM247	1	2
11	118405223	TMEM25	0	1
14	93652836	TMEM251	0	0
9	71152361	TMEM252	0	0
14	21570626	TMEM253	0	0
10	81841952	TMEM254	0	0
13	114514819	TMEM255B	1	0
17	7307019	TMEM256	0	0
11	61557364	TMEM258	0	0
19	1011728	TMEM259	0	0
10	63170389	TMEM26	0	0
14	57052607	TMEM260	0	4
15	76496476	TMEM266	0	1
14	61747205	TMEM30B	0	1

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2	120194722	TMEM37	0	0
19	16799060	TMEM38A	11	70
9	108511327	TMEM38B	0	0
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3	12784022	TMEM40	0	0
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11	129722427	TMEM45B	1	0
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1	226034909	TMEM63A	0	0
6	44108028	TMEM63B	0	0
14	77691761	TMEM63C	0	0
8	125339582	TMEM65	0	0
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8	74893727	TMEM70	0	1
8	133769536	TMEM71	1	0
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11	698889	TMEM80	0	2
1	205053087	TMEM81	1	1
1	16073524	TMEM82	0	0
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15	42512247	TMEM87A	0	0
2	112834798	TMEM87B	0	2
17	7758819	TMEM88	0	1
3	48659009	TMEM89	0	0
16	422158	TMEM8A	1	3
9	35842531	TMEM8B	0	0
9	136379890	TMEM8C	0	1
1	201115873	TMEM9	0	1
17	48351947	TMEM92	0	0
17	73493874	TMEM94	0	5
17	7259990	TMEM95	0	1
17	38990834	TMEM99	0	2
3	69077365	TMF1	0	0
3	46751128	TMIE	0	1
17	28651936	TMIGD1	0	2
19	4292728	TMIGD2	0	2
1	112029200	TMIGD3	0	0
9	100353630	TMOD1	0	1
15	52090435	TMOD2	0	0
15	52186076	TMOD3	0	0
1	151147259	TMOD4	0	1
12	98925585	TMPO	0	0
3	33135097	TMPPE	0	0
4	68784774	TMPRSS11A	0	0
4	69094575	TMPRSS11B	0	0
4	68704002	TMPRSS11D	3	1
4	68938045	TMPRSS11F	0	2
12	51236858	TMPRSS12	1	2
11	117789178	TMPRSS13	1	0
21	19726138	TMPRSS15	1	13
21	42838063	TMPRSS2	0	3
21	43805637	TMPRSS3	1	4
11	117982628	TMPRSS4	0	1
11	113570405	TMPRSS5	4	2
22	37482345	TMPRSS6	0	3

3	111799862	<i>TMPRSS7</i>	1	5
19	2408628	<i>TMPRSS9</i>	3	5
12	29920870	<i>TMTC1</i>	4	8
12	83251164	<i>TMTC2</i>	2	0
12	88547213	<i>TMTC3</i>	0	0
13	101287340	<i>TMTC4</i>	0	0
7	150778858	<i>TMUB1</i>	0	0
17	42266636	<i>TMUB2</i>	0	1
14	51716269	<i>TMX1</i>	0	1
11	57583384	<i>TMX2</i>	0	1
18	66351445	<i>TMX3</i>	0	0
20	7976733	<i>TMX4</i>	0	0
9	117848987	<i>TNC</i>	1	1
17	26669330	<i>TNFAIP1</i>	0	2
14	103599854	<i>TNFAIP2</i>	0	0
6	138202258	<i>TNFAIP3</i>	0	0
2	152220557	<i>TNFAIP6</i>	0	3
5	118691776	<i>TNFAIP8</i>	0	0
19	4651911	<i>TNFAIP8L1</i>	0	0
15	51350429	<i>TNFAIP8L3</i>	0	1
8	23082369	<i>TNFRSF10A</i>	2	1
8	22880284	<i>TNFRSF10B</i>	1	7
8	22960655	<i>TNFRSF10C</i>	8	19
8	22995702	<i>TNFRSF10D</i>	1	0
18	60027149	<i>TNFRSF11A</i>	0	0
8	119936853	<i>TNFRSF11B</i>	1	1
17	16875318	<i>TNFRSF13B</i>	6	6
22	42322190	<i>TNFRSF13C</i>	0	0
1	2491305	<i>TNFRSF14</i>	0	0
16	12061683	<i>TNFRSF17</i>	0	1
1	1139202	<i>TNFRSF18</i>	1	0
13	24242165	<i>TNFRSF19</i>	0	1
12	6439470	<i>TNFRSF1A</i>	0	0
1	12253062	<i>TNFRSF1B</i>	0	0
6	47253774	<i>TNFRSF21</i>	0	1
1	6524649	<i>TNFRSF25</i>	0	0
1	1149104	<i>TNFRSF4</i>	0	1
20	62329721	<i>TNFRSF6B</i>	1	1
1	12198372	<i>TNFRSF8</i>	0	0
1	7993329	<i>TNFRSF9</i>	0	0
3	172224615	<i>TNFSF10</i>	1	1

13	43155442	<i>TNFSF11</i>	0	0
17	7460517	<i>TNFSF12</i>	0	1
17	7463436	<i>TNFSF13</i>	0	0
19	6669985	<i>TNFSF14</i>	0	0
9	117568266	<i>TNFSF15</i>	0	1
1	173020073	<i>TNFSF18</i>	11	23
1	173157732	<i>TNFSF4</i>	0	0
9	117666367	<i>TNFSF8</i>	0	0
19	6531209	<i>TNFSF9</i>	0	0
3	170945941	<i>TNIK</i>	0	0
5	150441778	<i>TNIP1</i>	0	0
4	2747194	<i>TNIP2</i>	0	0
4	122068316	<i>TNIP3</i>	0	1
17	7286627	<i>TNK1</i>	0	4
3	195611844	<i>TNK2</i>	2	1
8	9610060	<i>TNKS</i>	0	1
11	57075916	<i>TNKS1BP1</i>	0	0
10	93590691	<i>TNKS2</i>	0	0
1	175097822	<i>TNN</i>	3	7
3	52485499	<i>TNNC1</i>	0	2
11	1861041	<i>TNNI2</i>	0	1
1	74701098	<i>TNNI3K</i>	0	1
19	55652548	<i>TNNT1</i>	0	0
1	201338445	<i>TNNT2</i>	2	4
11	1947651	<i>TNNT3</i>	1	0
2	217724599	<i>TNP1</i>	0	0
16	11362994	<i>TNP2</i>	0	0
5	72184098	<i>TNPO1</i>	0	0
19	12826465	<i>TNPO2</i>	0	0
7	128630142	<i>TNPO3</i>	0	0
1	175372637	<i>TNR</i>	0	0
7	5399107	<i>TNRC18</i>	0	1
16	24834233	<i>TNRC6A</i>	0	0
22	40661749	<i>TNRC6B</i>	2	0
17	76069190	<i>TNRC6C</i>	0	0
2	218682492	<i>TNS1</i>	0	0
12	53452111	<i>TNS2</i>	0	2
7	47440006	<i>TNS3</i>	0	1
17	38645133	<i>TNS4</i>	1	3
17	48941328	<i>TOB1</i>	0	0
22	41832945	<i>TOB2</i>	0	0

1	45808982	<i>TOE1</i>	0	0
11	1307254	<i>TOLLIP</i>	2	0
22	35729459	<i>TOM1</i>	0	1
17	52992092	<i>TOM1L1</i>	2	4
17	17754198	<i>TOM1L2</i>	0	0
14	58863049	<i>TOMM20L</i>	4	9
22	39078010	<i>TOMM22</i>	0	0
20	43586993	<i>TOMM34</i>	0	0
1	161198858	<i>TOMM40L</i>	0	0
3	100105652	<i>TOMM70A</i>	0	0
8	145660403	<i>TONSL</i>	0	0
20	39713122	<i>TOP1</i>	0	0
8	144391682	<i>TOP1MT</i>	2	8
17	38572711	<i>TOP2A</i>	0	0
3	25668771	<i>TOP2B</i>	0	3
17	18210291	<i>TOP3A</i>	0	1
22	22516766	<i>TOP3B</i>	1	1
3	44284427	<i>TOPAZ1</i>	0	3
3	133342223	<i>TOPBP1</i>	0	0
9	32543158	<i>TOPORS</i>	0	0
9	132580901	<i>TOR1A</i>	0	0
1	179883134	<i>TOR1AIP1</i>	2	0
1	179816764	<i>TOR1AIP2</i>	0	2
9	132569532	<i>TOR1B</i>	0	0
9	130495633	<i>TOR2A</i>	0	0
1	179064228	<i>TOR3A</i>	0	2
8	59851907	<i>TOX</i>	0	0
20	42697345	<i>TOX2</i>	0	0
16	52484196	<i>TOX3</i>	2	0
14	21945708	<i>TOX4</i>	0	12
17	7579472	<i>TP53</i>	0	0
11	128807653	<i>TP53AIP1</i>	12	31
15	43738670	<i>TP53BP1</i>	0	0
1	224001963	<i>TP53BP2</i>	0	1
17	27899663	<i>TP53I13</i>	0	1
2	24303705	<i>TP53I3</i>	6	5
8	95944299	<i>TP53INP1</i>	0	0
20	33297140	<i>TP53INP2</i>	0	0
20	45315665	<i>TP53RK</i>	0	0
20	44002597	<i>TP53TG5</i>	1	0
3	189582119	<i>TP63</i>	0	0

1	3647612	TP73	1	0
6	83074789	TPBG	0	1
12	113715110	TPCN1	0	0
11	68853357	TPCN2	0	3
8	80992664	TPD52	0	0
6	125550320	TPD52L1	0	2
18	34378541	TPGS2	0	1
11	18044325	TPH1	1	2
12	72338394	TPH2	0	0
12	6979433	TPI1	0	1
7	144304165	TPK1	0	0
15	63351736	TPM1	0	1
9	35685635	TPM2	0	1
6	18130993	TPMT	0	0
2	1507688	TPO	1	1
11	6640578	TPP1	1	5
13	103249370	TPP2	0	1
5	678079	TPPP	2	0
14	21498802	TPPP2	2	29
16	67424859	TPPP3	0	0
1	186324810	TPR	0	0
3	127294786	TPRA1	0	1
3	188925356	TPRG1	0	2
1	3542275	TPRG1L	5	9
2	73957124	TPRKB	0	0
9	140094273	TPRN	0	0
19	48305254	TPRX1	0	2
16	1308333	TPSD1	0	0
16	1272722	TPSG1	0	5
7	65817473	TPST1	0	1
21	10921939	TPTE	9	31
20	30388853	TPX2	0	1
7	23561424	TRA2A	0	0
2	85097595	TRABD2A	0	0
9	123675729	TRAF1	0	0
9	139811049	TRAF2	0	0
14	103342775	TRAF3	0	0
2	239306144	TRAF3IP1	0	0
6	111912849	TRAF3IP2	0	0
1	209933540	TRAF3IP3	1	1
17	27074246	TRAF4	0	0

1	211545524	<i>TRAF5</i>	0	0
11	36518715	<i>TRAF6</i>	0	0
16	2226557	<i>TRAF7</i>	0	0
12	112579920	<i>TRAFD1</i>	0	0
3	49882010	<i>TRAIP</i>	0	4
3	42233139	<i>TRAK1</i>	0	0
2	202262958	<i>TRAK2</i>	1	1
8	71495880	<i>TRAM1</i>	0	0
4	118005458	<i>TRAM1L1</i>	0	0
6	52370838	<i>TRAM2</i>	0	0
3	36897277	<i>TRANK1</i>	0	0
16	3721773	<i>TRAP1</i>	0	3
17	7834819	<i>TRAPPC1</i>	1	1
21	45494940	<i>TRAPPC10</i>	0	0
4	184627996	<i>TRAPPC11</i>	0	3
2	3469463	<i>TRAPPC12</i>	0	1
5	64933544	<i>TRAPPC13</i>	0	0
16	88928052	<i>TRAPPC2L</i>	1	3
1	36602846	<i>TRAPPC3</i>	0	0
6	116821709	<i>TRAPPC3L</i>	0	2
11	118889551	<i>TRAPPC4</i>	0	1
19	45668396	<i>TRAPPC6A</i>	0	0
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18	29454497	<i>TRAPPC8</i>	0	0
8	140998972	<i>TRAPPC9</i>	0	2
3	108557766	<i>TRAT1</i>	1	0
10	17199649	<i>TRDMT1</i>	0	2
6	123957946	<i>TRDN</i>	1	5
6	41130872	<i>TREM2</i>	0	1
6	41121974	<i>TREML1</i>	0	1
6	41166149	<i>TREML2</i>	0	0
6	41197795	<i>TREML4</i>	0	1
6	42225902	<i>TRERF1</i>	0	0
3	48508555	<i>TREX1</i>	1	1
3	129695714	<i>TRH</i>	0	0
12	73015485	<i>TRHDE</i>	0	1
8	110131636	<i>TRHR</i>	0	1
12	120884042	<i>TRIAP1</i>	0	1
8	126448272	<i>TRIB1</i>	0	0
2	12880497	<i>TRIB2</i>	0	0
20	372167	<i>TRIB3</i>	0	3

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13	50587204	TRIM13	0	0
9	100854283	TRIM14	0	0
17	15554572	TRIM16	0	0
1	228596103	TRIM17	2	6
4	154125649	TRIM2	0	0
11	4406857	TRIM21	0	2
11	5718503	TRIM22	0	4
5	64905274	TRIM23	0	0
7	138239552	TRIM24	0	0
17	54991176	TRIM25	1	0
19	59060152	TRIM28	0	0
11	120008068	TRIM29	1	0
11	6478610	TRIM3	1	0
9	119461551	TRIM32	0	1
1	115005836	TRIM33	0	0
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8	27145199	TRIM35	0	4
5	114515731	TRIM36	0	1
17	57079029	TRIM37	0	2
6	25967068	TRIM38	0	1
7	99490190	TRIM4	0	2
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3	140401748	TRIM42	0	1
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1	117663561	TRIM45	2	8
1	155156417	TRIM46	0	0
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7	72727393	TRIM50	2	21
5	180687611	TRIM52	1	0
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7	100730707	TRIM56	0	0
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3	160156639	TRIM59	2	14
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22	38119214	TRIOBP	2	4
19	6751279	TRIP10	0	1
14	92488083	TRIP11	0	5
2	230650536	TRIP12	0	0
15	64717735	TRIP4	0	0
7	100469323	TRIP6	0	0
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19	13215791	TRMT1	0	2
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9	37769944	TRMT10B	0	0
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1	100598866	TRMT13	0	1
1	185106829	TRMT1L	0	0
22	20102103	TRMT2A	13	25
4	8465721	TRMT44	2	9
14	61442827	TRMT5	2	6
20	5924293	TRMT6	0	0
14	103998910	TRMT61A	0	0
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22	46748133	TRMU	1	1
1	28891380	TRNAU1AP	0	0
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12	49721015	TROAP	1	0
1	193054154	TROVE2	0	1
8	72975124	TRPA1	2	5

3	142524981	TRPC1	0	0
4	122824106	TRPC3	0	0
13	38357264	TRPC4	0	0
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11	101359766	TRPC6	0	3
5	135567126	TRPC7	2	1
15	31334362	TRPM1	1	5
21	45846545	TRPM2	0	15
9	73150989	TRPM3	0	0
19	49671228	TRPM4	4	20
11	2439790	TRPM5	1	3
9	77416900	TRPM6	0	1
15	50884484	TRPM7	1	0
2	234923182	TRPM8	0	2
8	116631509	TRPS1	0	1
11	63991363	TRPT1	0	1
17	3477101	TRPV1	0	4
17	16326023	TRPV2	0	2
17	3422100	TRPV3	0	3
12	110221558	TRPV4	0	1
7	142627493	TRPV5	0	1
7	142571366	TRPV6	0	0
7	98559980	TRRAP	0	1
10	116698102	TRUB1	0	1
9	131083883	TRUB2	1	7
6	166571785	TRUE	0	0
1	156316775	TSACC	1	2
9	135786904	TSC1	0	0
16	2137925	TSC2	0	0
13	45150013	TSC2D1	0	0
3	150174818	TSC2D2	0	0
1	184023529	TSEN15	0	0
3	12545181	TSEN2	0	3
19	54696167	TSEN34	0	0
17	73515159	TSEN54	0	0
12	58186758	TSEFM	0	1
11	18548367	TSG101	0	0
2	99688301	TSGA10	0	0
7	130368447	TSGA13	2	6
1	115576727	TSHB	0	3
14	81606214	TSHR	0	2

18	72998139	TSHZ1	0	0
20	51871665	TSHZ2	0	0
19	31769616	TSHZ3	0	0
19	50266409	TSKS	0	0
11	76507098	TSKU	0	0
5	110407681	TSLP	1	0
8	143356196	TSNARE1	0	4
1	231935964	TSNAX	0	0
16	67859576	TSNAXIP1	4	19
1	46650769	TSPAN1	0	0
12	31116823	TSPAN11	1	1
7	120446750	TSPAN12	0	0
7	16823117	TSPAN13	0	0
10	71267277	TSPAN15	0	0
19	11417276	TSPAN16	0	0
5	176083819	TSPAN17	2	1
12	85411320	TSPAN19	0	1
1	115604798	TSPAN2	0	1
12	58138971	TSPAN31	0	0
11	2334893	TSPAN32	0	6
7	128807628	TSPAN33	0	2
11	862615	TSPAN4	0	0
12	71533494	TSPAN8	0	3
21	45941804	TSPEAR	2	10
22	43559056	TSPO	0	0
6	41010778	TSPO2	0	0
6	116600127	TSPYL1	1	0
6	116574002	TSPYL4	0	0
8	98289608	TSPYL5	0	0
2	54483109	TSPYL6	0	1
17	2239403	TSR1	0	1
16	1399961	TSR3	0	0
2	3212477	TSSC1	0	1
11	2423929	TSSC4	0	0
5	112769928	TSSK1B	0	4
22	19119722	TSSK2	1	1
1	32829257	TSSK3	0	1
14	24676498	TSSK4	1	1
22	37407170	TST	0	0
8	144696554	TSTA3	0	0
1	161008375	TSTD1	0	0

9	100388157	<i>TSTD2</i>	0	6
6	43225550	<i>TTBK1</i>	0	0
15	43044384	<i>TTBK2</i>	0	0
5	159478195	<i>TTC1</i>	0	1
11	113237025	<i>TTC12</i>	2	0
1	231067584	<i>TTC13</i>	0	0
3	180324275	<i>TTC14</i>	0	2
9	130478401	<i>TTC16</i>	2	2
11	43429022	<i>TTC17</i>	0	1
17	15902937	<i>TTC19</i>	0	2
3	39150636	<i>TTC21A</i>	0	0
2	166806014	<i>TTC21B</i>	0	4
1	55253433	<i>TTC22</i>	0	0
15	99740192	<i>TTC23</i>	0	3
5	34867075	<i>TTC23L</i>	0	5
1	156553232	<i>TTC24</i>	0	0
7	138819529	<i>TTC26</i>	0	0
2	32853431	<i>TTC27</i>	0	3
22	28693821	<i>TTC28</i>	1	0
4	147860951	<i>TTC29</i>	2	9
21	38501355	<i>TTC3</i>	1	2
2	178481528	<i>TTC30A</i>	0	0
2	178415493	<i>TTC30B</i>	0	0
2	74719202	<i>TTC31</i>	0	2
2	20096846	<i>TTC32</i>	0	0
5	40746916	<i>TTC33</i>	1	8
11	118398228	<i>TTC36</i>	0	1
5	94845293	<i>TTC37</i>	0	2
22	46688736	<i>TTC38</i>	0	2
1	51760081	<i>TTC39A</i>	0	0
9	15188106	<i>TTC39B</i>	0	2
18	21703898	<i>TTC39C</i>	0	0
1	55207157	<i>TTC4</i>	0	0
14	20774102	<i>TTC5</i>	0	8
14	38310733	<i>TTC6</i>	0	3
2	47287957	<i>TTC7A</i>	0	1
14	91196460	<i>TTC7B</i>	0	0
14	89310117	<i>TTC8</i>	0	0
14	71109153	<i>TTC9</i>	0	0
11	62505764	<i>TTC9C</i>	0	0
9	135277402	<i>TTF1</i>	0	0

1	117618024	<i>TTF2</i>	0	2
20	36640392	<i>TTI1</i>	0	1
8	33367348	<i>TTI2</i>	0	0
6	80721523	<i>TTK</i>	0	2
2	113260555	<i>TTL</i>	0	0
22	43455432	<i>TTLL1</i>	0	0
1	1115604	<i>TTLL10</i>	2	1
9	124794020	<i>TTLL11</i>	0	1
22	43568512	<i>TTLL12</i>	0	1
6	167753910	<i>TTLL2</i>	0	1
3	9876813	<i>TTLL3</i>	1	3
2	219614099	<i>TTLL4</i>	0	0
14	76245906	<i>TTLL5</i>	0	3
17	46868920	<i>TTLL6</i>	4	3
1	84376972	<i>TTLL7</i>	0	0
20	30527065	<i>TTLL9</i>	0	0
8	63976755	<i>TTPA</i>	0	1
20	43118089	<i>TTPAL</i>	0	0
18	29172865	<i>TTR</i>	0	0
19	54926417	<i>TTYH1</i>	0	1
17	72239531	<i>TTYH2</i>	0	0
7	2695764	<i>TTYH3</i>	0	0
11	8122456	<i>TUB</i>	1	0
13	19753686	<i>TUBA3C</i>	0	0
22	18604167	<i>TUBA8</i>	0	0
10	5436073	<i>TUBAL3</i>	1	1
20	57599700	<i>TUBB1</i>	0	4
18	12325139	<i>TUBB6</i>	0	0
17	57955540	<i>TUBD1</i>	0	3
6	112392753	<i>TUBE1</i>	0	0
17	40815434	<i>TUBG2</i>	0	0
10	135101657	<i>TUBGCP2</i>	0	1
13	113174305	<i>TUBGCP3</i>	5	32
15	43690300	<i>TUBGCP4</i>	0	1
15	22867490	<i>TUBGCP5</i>	0	1
22	50657803	<i>TUBGCP6</i>	0	3
16	28855716	<i>TUFM</i>	0	0
1	151512879	<i>TUFT1</i>	0	4
6	35471586	<i>TULP1</i>	0	0
19	49401095	<i>TULP2</i>	0	0
12	3043691	<i>TULP3</i>	0	1

6	158922969	<i>TULP4</i>	0	0
8	15605972	<i>TUSC3</i>	1	1
17	1201528	<i>TUSC5</i>	0	0
11	62342903	<i>TUT1</i>	3	20
16	10867968	<i>TVP23A</i>	0	0
17	15449153	<i>TVP23C</i>	0	0
3	52266056	<i>TWF2</i>	0	0
7	19748448	<i>TWISTNB</i>	1	2
18	9399411	<i>TWSG1</i>	0	1
4	48106930	<i>TXK</i>	0	0
1	32658343	<i>TXLNA</i>	0	0
6	139563876	<i>TXLNB</i>	0	3
9	113013698	<i>TXN</i>	0	0
16	11785726	<i>TXNDC11</i>	1	1
1	52494247	<i>TXNDC12</i>	0	0
5	134223431	<i>TXNDC15</i>	0	0
14	52923820	<i>TXNDC16</i>	0	0
17	6546337	<i>TXNDC17</i>	0	0
18	9888069	<i>TXNDC2</i>	0	0
6	7883468	<i>TXNDC5</i>	0	0
9	113096559	<i>TXNDC8</i>	0	0
1	145439569	<i>TXNIP</i>	0	1
18	54293658	<i>TXNL1</i>	0	0
16	72120683	<i>TXNL4B</i>	0	1
22	19865975	<i>TXNRD2</i>	0	0
19	10461586	<i>TYK2</i>	0	0
22	50964236	<i>TYMP</i>	0	2
18	672934	<i>TYMS</i>	0	0
18	658147	<i>TYMSOS</i>	0	0
11	88911672	<i>TYR</i>	0	0
15	41866015	<i>TYRO3</i>	0	1
19	36398414	<i>TYROBP</i>	0	0
9	12709134	<i>TYRP1</i>	0	2
10	71902488	<i>TYSND1</i>	0	0
7	66660160	<i>TYW1</i>	1	1
1	75204447	<i>TYW3</i>	0	0
2	200820185	<i>TYW5</i>	0	1
21	44527622	<i>U2AF1</i>	0	0
19	36235233	<i>U2AF1L4</i>	0	1
3	142746021	<i>U2SURP</i>	0	0
15	70960222	<i>UACA</i>	2	1

1	162562504	<i>UAP1</i>	0	0
9	139977130	<i>UAP1L1</i>	0	0
19	34951452	<i>UBA2</i>	0	0
3	69113207	<i>UBA3</i>	0	0
4	68500171	<i>UBA6</i>	0	0
3	49848458	<i>UBA7</i>	1	6
9	138839701	<i>UBAC1</i>	0	0
13	99966435	<i>UBAC2</i>	0	0
9	34220880	<i>UBAP1</i>	0	0
15	65385511	<i>UBAP1L</i>	1	1
9	33922501	<i>UBAP2</i>	0	3
1	154231519	<i>UBAP2L</i>	0	0
21	43863425	<i>UBASH3A</i>	0	1
11	122666888	<i>UBASH3B</i>	0	0
20	44444061	<i>UBE2C</i>	0	0
7	43978084	<i>UBE2D4</i>	0	1
3	23848835	<i>UBE2E1</i>	0	0
17	4192642	<i>UBE2G1</i>	0	1
6	90039425	<i>UBE2J1</i>	0	0
1	1198736	<i>UBE2J2</i>	0	0
17	74394934	<i>UBE2O</i>	0	0
1	202300976	<i>UBE2T</i>	0	0
1	64726293	<i>UBE2U</i>	0	1
8	74742699	<i>UBE2W</i>	0	0
17	46998569	<i>UBE2Z</i>	0	0
15	25616049	<i>UBE3A</i>	0	0
12	109945439	<i>UBE3B</i>	0	0
7	157023940	<i>UBE3C</i>	0	1
6	83602758	<i>UBE3D</i>	0	1
11	118250371	<i>UBE4A</i>	0	0
1	10166437	<i>UBE4B</i>	0	0
16	23578399	<i>UBFD1</i>	0	0
1	11346038	<i>UBIAD1</i>	0	0
1	110655411	<i>UBL4B</i>	0	0
15	74749015	<i>UBL7</i>	0	0
16	4925030	<i>UBN1</i>	0	0
7	138946103	<i>UBN2</i>	0	0
20	3102763	<i>UBOX5</i>	0	0
3	33431826	<i>UBP1</i>	0	0
9	86284178	<i>UBQLN1</i>	0	0
11	5529152	<i>UBQLN3</i>	0	3

1	156011444	UBQLN4	0	0
11	5536759	UBQLNL	1	8
15	43290373	UBR1	1	1
6	42573513	UBR2	0	0
2	170806559	UBR3	0	1
1	19500035	UBR4	0	1
8	103297357	UBR5	0	0
10	99330148	UBTD1	0	0
5	171638909	UBTD2	0	0
17	42288685	UBTF	0	1
11	62445523	UBXN1	0	0
1	20517156	UBXN10	3	10
1	26610891	UBXN11	2	3
2	24199883	UBXN2A	0	0
8	59329468	UBXN2B	0	0
2	136519506	UBXN4	0	0
19	4453476	UBXN6	0	2
3	196159171	UBXN7	0	0
1	192990239	UCHL5	0	0
1	165859599	UCK2	0	0
20	62576991	UCKL1	0	2
10	13275553	UCMA	0	1
3	48600324	UCN2	0	0
10	5415798	UCN3	0	0
4	141489018	UCP1	0	0
11	73686704	UCP2	0	3
11	73712422	UCP3	0	0
11	18568569	UEVLD	0	2
1	161128249	UFC1	0	0
6	96984241	UFL1	0	5
7	100486754	UFSP1	0	6
4	186346988	UFSP2	0	0
9	114694486	UGCG	0	0
4	39515736	UGDH	1	0
2	128947283	UGGT1	0	8
13	96651505	UGGT2	1	15
2	64117289	UGP2	0	2
2	234676589	UGT1A1	0	1
2	234621848	UGT1A5	0	0
2	234602241	UGT1A6	0	0
2	234676903	UGT1A9	0	0

4	70460329	<i>UGT2A1</i>	0	2
4	70504680	<i>UGT2A2</i>	1	0
5	35965970	<i>UGT3A1</i>	0	0
5	36049096	<i>UGT3A2</i>	0	0
4	115544654	<i>UGT8</i>	0	0
1	162469914	<i>UHMK1</i>	1	0
6	34826698	<i>UHRF1BP1</i>	0	0
12	100441407	<i>UHRF1BP1L</i>	0	2
9	6475478	<i>UHRF2</i>	0	0
5	176332298	<i>UIMC1</i>	0	2
6	150291207	<i>ULBP1</i>	0	0
6	150386722	<i>ULBP3</i>	0	0
12	132404648	<i>ULK1</i>	0	1
17	19713735	<i>ULK2</i>	0	3
15	75129609	<i>ULK3</i>	0	2
3	41497069	<i>ULK4</i>	5	22
7	7917016	<i>UMAD1</i>	0	0
16	20357568	<i>UMOD</i>	0	0
21	43541261	<i>UMODL1</i>	0	11
3	124453920	<i>UMPS</i>	0	0
17	26874309	<i>UNC119</i>	0	0
19	17786882	<i>UNC13A</i>	0	0
9	35310695	<i>UNC13B</i>	0	1
15	54542497	<i>UNC13C</i>	0	2
17	73827153	<i>UNC13D</i>	0	6
15	91479525	<i>UNC45A</i>	5	9
17	33504530	<i>UNC45B</i>	0	2
5	176305604	<i>UNC5A</i>	0	0
10	73056394	<i>UNC5B</i>	0	1
4	96171648	<i>UNC5C</i>	0	1
6	41001653	<i>UNC5CL</i>	0	1
8	35606168	<i>UNC5D</i>	0	0
14	94088587	<i>UNC79</i>	0	0
2	210680001	<i>UNC80</i>	0	0
6	167717440	<i>UNC93A</i>	3	19
12	109536395	<i>UNG</i>	0	0
17	73812919	<i>UNK</i>	0	0
16	1417816	<i>UNKL</i>	1	4
22	24896050	<i>UPB1</i>	3	11
19	18974975	<i>UPF1</i>	0	0
10	11990377	<i>UPF2</i>	0	0

13	115048408	UPF3A	0	0
19	36159368	UPK1A	0	2
3	118909892	UPK1B	0	1
11	118828039	UPK2	0	9
22	45685002	UPK3A	1	4
7	76144455	UPK3B	1	0
7	48134373	UPP1	0	0
2	158974419	UPP2	1	1
20	33894598	UQCC1	0	1
11	62439554	UQCC3	0	0
22	30163526	UQCR10	11	78
3	48638420	UQCRC1	0	0
16	21969903	UQCRC2	0	0
1	16134106	UQCRHL	0	0
21	33692900	URB1	1	4
1	229772493	URB2	2	1
7	43918564	URGCP	0	0
19	30477200	URI1	2	8
9	131133677	URM1	0	0
3	126211282	UROC1	0	1
1	45478806	UROD	1	1
10	127491566	UROS	0	0
16	58043911	USB1	0	1
19	17327058	USE1	0	0
3	113374409	USF3	0	0
11	17552794	USH1C	1	2
17	72915926	USH1G	0	1
1	216595306	USH2A	3	8
19	17367327	USHBP1	1	1
1	62910901	USP1	0	1
3	179426675	USP13	0	0
18	198132	USP14	0	0
12	62784789	USP15	0	0
21	30408670	USP16	0	0
3	49154927	USP19	0	0
11	119243670	USP2	0	0
9	132638424	USP20	1	1
1	161132782	USP21	0	0
1	55567227	USP24	0	0
21	17135260	USP25	0	1
11	113683179	USP28	0	2

19	57642209	USP29	1	2
15	63796968	USP3	0	0
12	109519124	USP30	0	0
16	23080634	USP31	0	0
17	58332532	USP32	0	0
1	78201796	USP33	0	0
2	61438972	USP34	0	0
11	77921527	USP35	0	2
17	76803659	USP36	0	0
2	219344327	USP37	1	0
4	144130804	USP38	0	2
2	85843417	USP39	0	1
3	49315870	USP4	0	3
2	234429703	USP40	1	0
7	6196548	USP42	1	2
17	9604836	USP43	0	0
12	95927798	USP44	0	2
6	99930627	USP45	3	21
4	53463792	USP46	0	0
11	11970020	USP47	0	1
1	22079037	USP48	0	0
6	41774530	USP49	0	0
12	6965227	USP5	0	0
15	50831019	USP50	0	1
4	120214159	USP53	0	0
10	75276357	USP54	1	0
17	5037229	USP6	0	1
10	11532768	USP6NL	0	0
15	50776546	USP8	0	0
13	31232430	USPL1	0	0
6	149395120	UST	0	0
1	38484736	UTP11L	0	1
13	52603775	UTP14C	1	8
5	72874907	UTP15	0	0
17	49350802	UTP18	0	0
12	101685786	UTP20	0	5
8	117783908	UTP23	0	0
4	71554580	UTP3	0	0
16	69188368	UTP4	0	0
17	30221953	UTP6	0	1
6	145051621	UTRN	0	3

1	7907944	<i>UTS2</i>	0	2
17	80332587	<i>UTS2R</i>	0	0
11	75851911	<i>UVRAG</i>	0	0
4	1348620	<i>UVSSA</i>	0	2
2	106729216	<i>UXS1</i>	0	0
16	70814787	<i>VAC14</i>	0	1
12	6574051	<i>VAMP1</i>	0	0
1	116233895	<i>VANGL1</i>	0	0
1	160394010	<i>VANGL2</i>	0	0
18	9914252	<i>VAPA</i>	0	1
20	56964495	<i>VAPB</i>	0	1
14	77239567	<i>VASH1</i>	0	0
1	213134505	<i>VASH2</i>	0	1
16	4431395	<i>VASN</i>	0	0
19	46027328	<i>VASP</i>	0	0
17	41169862	<i>VAT1</i>	0	0
16	77859247	<i>VAT1L</i>	0	1
19	6833231	<i>VAV1</i>	0	0
9	136654470	<i>VAV2</i>	0	0
1	108185301	<i>VAV3</i>	0	0
10	118896124	<i>VAX1</i>	0	0
2	71160144	<i>VAX2</i>	0	0
1	101196906	<i>VCAM1</i>	0	0
5	82834948	<i>VCAN</i>	0	1
10	75802831	<i>VCL</i>	0	0
8	67578144	<i>VCPIP1</i>	0	0
14	50583028	<i>VCPKMT</i>	0	0
8	42251747	<i>VDAC3</i>	0	0
12	48258915	<i>VDR</i>	0	0
11	64004692	<i>VEGFB</i>	0	1
4	177650866	<i>VEGFC</i>	0	0
10	135053784	<i>VENTX</i>	0	0
3	156983414	<i>VEPH1</i>	0	7
12	95694095	<i>VEZT</i>	0	1
7	100807978	<i>VGF</i>	0	0
3	87018099	<i>VGLL3</i>	0	1
3	11600165	<i>VGLL4</i>	0	0
3	10191665	<i>VHL</i>	0	0
1	156268762	<i>VHLL</i>	0	0
2	219295597	<i>VIL1</i>	0	2
3	38039650	<i>VILL</i>	0	6

10	17275861	VIM	0	0
15	101814650	VIMP	0	0
14	77915622	VIPAS39	1	1
3	42569593	VIPR1	1	0
7	158835780	VIPR2	0	1
2	37008857	VIT	0	2
16	31106729	VKORC1	0	0
9	2643832	VLDLR	0	1
19	5908850	VMAC	0	1
17	4689313	VMO1	0	1
17	57816191	VMP1	1	0
19	57967426	VN1R1	0	6
19	53762684	VN1R2	0	2
19	53770539	VN1R4	0	0
6	133013544	VNN1	0	0
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3	51450809	VPRBP	0	0
22	22599434	VPREB1	0	0
22	24095337	VPREB3	0	1
9	79997188	VPS13A	0	2
8	100396510	VPS13B	1	9
15	62274758	VPS13C	1	10
1	12336030	VPS13D	0	3
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10	70931013	VPS26A	0	0
8	145651149	VPS28	2	6
12	122720423	VPS33A	0	0
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16	46708527	VPS35	0	0
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1	150053501	VPS45	0	0
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18	61066555	VPS4B	0	0
7	92885807	VPS50	0	1
11	64875114	VPS51	0	0

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2	64120636	VPS54	1	0
1	151156931	VPS72	0	2
3	184552470	VPS8	0	5
16	89778290	VPS9D1	0	3
14	97322847	VRK1	0	2
2	58316861	VRK2	0	1
19	50482480	VRK3	3	7
14	74824023	VRTN	0	1
12	118508870	VSIG10	0	0
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11	124618380	VSIG2	0	0
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19	54545042	VSTM1	1	0
19	30019312	VSTM2B	1	3
20	36572448	VSTM2L	0	0
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6	142539730	VTA1	0	0
1	117699347	VTCN1	0	0
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1	1372677	VWA1	0	0
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2	98916598	VWA3B	0	3
11	123988461	VWA5A	0	1
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3	183958655	VWA5B2	0	2
13	42273366	VWA8	0	7
15	65877174	VWA9	0	0
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7	12410394	VWDE	1	7
12	6085447	VWF	1	2
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10	88281404	WAPL	0	0
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1	119575765	WARS2	0	0
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13	27255299	WASF3	0	0
7	123335886	WASL	0	0
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17	73843950	WBP2	0	0
22	42428739	WBP2NL	1	2
13	41645733	WBP4	0	0
7	70880951	WBSCR17	0	0
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2	224758993	WDFY1	0	0
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4	10089388	WDR1	0	0
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2	203757370	WDR12	0	0
4	177037105	WDR17	1	0
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4	39226631	WDR19	1	3
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6	170058374	WDR27	3	8
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9	116080798	WDR31	1	0
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9	131396527	WDR34	0	1
2	20188978	WDR35	1	3
5	110438129	WDR36	0	0
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2	29129418	WDR43	0	0

17	80573888	WDR45B	0	0
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3	196281208	WDR53	1	1
2	74650651	WDR54	0	3
5	140048503	WDR55	0	2
16	74946078	WDR59	0	3
3	122133837	WDR5B	4	6
3	49051184	WDR6	1	0
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2	190323530	WDR75	0	0
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1	67292505	WDR78	0	3
17	1636951	WDR81	5	0
19	12786369	WDR83	0	1
19	12780179	WDR83OS	0	0
7	151106025	WDR86	0	1
19	38377225	WDR87	6	36
19	33635761	WDR88	0	0
14	64065770	WDR89	4	4
16	710609	WDR90	2	12
7	134871739	WDR91	0	2
2	68364491	WDR92	0	0
15	90246336	WDR93	3	4
2	160132085	WDSUB1	0	2
1	27614293	WDTC1	0	0
8	124453619	WDYHV1	1	0
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7	141414104	WEE2	1	0
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16	683049	WFIKKN1	0	2
17	48913469	WFIKKN2	0	11
4	6303154	WFS1	1	2
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12	65462623	WIF1	0	1
2	175450275	WIPF1	0	0
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7	29928929	WIPF3	0	0
7	5256262	WIPI2	0	0
8	134239854	WISP1	0	1
6	112388251	WISP3	0	2
19	15533977	WIZ	0	0
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12	998338	WNK1	0	2
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12	49373410	WNT1	0	0
2	219757556	WNT10A	0	8
12	49360147	WNT10B	0	0
11	75905666	WNT11	1	0
7	120965526	WNT16	0	0
7	116962951	WNT2	0	1
1	113063014	WNT2B	0	0
1	228238443	WNT3A	0	0
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2	219736532	WNT6	0	0
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12	118474238	<i>WSB2</i>	0	0
17	5991344	<i>WSCD1</i>	0	0
12	108634248	<i>WSCD2</i>	0	0
11	32421533	<i>WT1</i>	0	0
6	160169234	<i>WTAP</i>	0	0
19	34985559	<i>WTIP</i>	0	0
5	167849076	<i>WWC1</i>	0	1
4	184205426	<i>WWC2</i>	0	0
16	79245696	<i>WWOX</i>	0	2
8	87450900	<i>WWP1</i>	0	0
16	69942679	<i>WWP2</i>	0	0
3	149243837	<i>WWTR1</i>	0	0
19	7687680	<i>XAB2</i>	0	2
17	6663867	<i>XAF1</i>	0	0
22	29195941	<i>XBP1</i>	0	0
3	46063047	<i>XCR1</i>	0	1
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3	39226676	<i>XIRP1</i>	1	2
2	168107491	<i>XIRP2</i>	2	23
22	17280778	<i>XKR3</i>	0	0
8	56015123	<i>XKR4</i>	0	0
8	6690215	<i>XKR5</i>	0	0
8	10755924	<i>XKR6</i>	0	0
20	30584459	<i>XKR7</i>	0	0
1	28293189	<i>XKR8</i>	0	1
8	71646476	<i>XKR9</i>	2	1
9	100437789	<i>XPA</i>	0	0
3	14189456	<i>XPC</i>	1	1
10	111646044	<i>XPNPEP1</i>	0	2
22	41310234	<i>XPNPEP3</i>	1	1
13	21381588	<i>XPO4</i>	0	0
6	43526266	<i>XPO5</i>	0	1
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8	21856723	<i>XPO7</i>	0	0
12	64819666	<i>XPOT</i>	0	0
1	180853217	<i>XPR1</i>	1	0
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7	152346007	<i>XRCC2</i>	1	0

14	104173465	<i>XRCC3</i>	0	1
5	82491684	<i>XRCC4</i>	1	3
2	217024851	<i>XRCC5</i>	0	0
12	58340809	<i>XRCC6BP1</i>	1	0
3	142123841	<i>XRN1</i>	0	0
20	21312282	<i>XRN2</i>	0	1
11	74554368	<i>XRR1</i>	1	4
3	194991485	<i>XXYL1</i>	0	0
3	38407102	<i>XYLB</i>	1	1
16	17211729	<i>XYLT1</i>	0	0
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12	32908584	<i>YARS2</i>	0	0
17	7193626	<i>YBX2</i>	0	0
12	10868332	<i>YBX3</i>	1	0
3	183474368	<i>YEATS2</i>	0	0
18	756681	<i>YES1</i>	0	0
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19	38800141	<i>YIF1B</i>	0	0
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7	44244236	<i>YKT6</i>	0	0
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18	72913950	<i>ZADH2</i>	2	1
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3.86E-01	0.41	3	25	3.57E-01
.	.	2	21	3.77E-01
.	.	4	13	7.65E-01
.	.	7	31	4.54E-01
.	.	0	4	.
.	.	10	29	3.65E-01
.	.	2	21	4.93E-01
.	.	7	36	2.52E-01
.	.	5	10	1.41E-01
.	.	5	28	4.68E-01
6.77E-01	0.55	10	40	4.99E-01
.	.	3	12	1.90E-01
.	.	2	19	1.86E-01
.	.	1	5	6.86E-01
.	.	2	10	5.42E-01
5.13E-02	2.10	15	38	5.94E-02
.	.	0	5	8.73E-01
.	.	0	2	.
6.84E-01	0.82	8	47	4.76E-01
.	.	1	7	7.80E-01

.	.	1	4	6.04E-01
.	.	2	10	4.20E-01
.	.	0	0	.
.	.	2	4	4.09E-01
.	.	1	7	1.48E-01
.	.	1	3	.
.	.	3	3	1.67E-02
.	.	1	5	7.70E-01
.	.	1	3	.
.	.	2	13	6.10E-01
.	.	0	2	.
.	.	1	7	3.25E-01
.	.	2	5	4.21E-01
6.15E-02	6.79	2	6	1.56E-01
7.00E-01	0.71	2	18	6.57E-01
.	.	7	25	2.08E-01
.	.	3	37	4.81E-01
.	.	0	3	.
.	.	2	15	1.96E-01
.	.	2	0	.
2.47E-01	2.00	14	46	8.90E-03
4.76E-01	0.58	5	20	3.00E-01
.	.	2	14	4.46E-01
.	.	2	2	.
.	.	2	6	3.34E-01
9.31E-01	0.88	19	105	9.26E-01
6.82E-01	1.56	7	27	6.05E-01
1.83E-02	10.27	16	41	8.31E-02
.	.	2	8	3.86E-01
.	.	9	22	1.15E-01
5.97E-01	1.30	25	71	3.70E-01
.	.	11	58	4.61E-01
.	.	3	16	4.67E-01
.	.	6	17	2.26E-01
.	.	9	43	8.72E-01
.	.	4	30	9.17E-01
.	.	1	2	.
.	.	1	1	.
.	.	1	13	4.12E-01
.	.	4	12	6.79E-01
.	.	1	6	8.73E-01

.	.	0	10	4.27E-02
.	.	0	1	.
.	.	1	4	9.27E-01
.	.	5	16	9.96E-01
.	.	0	4	.
.	.	4	20	8.83E-01
.	.	10	29	5.43E-02
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
.	.	6	18	2.63E-01
.	.	1	5	3.73E-01
.	.	2	1	.
.	.	3	10	8.31E-01
.	.	0	1	.
.	.	12	22	1.63E-02
.	.	3	2	1.84E-01
.	.	7	27	9.01E-01
.	.	0	4	.
.	.	6	30	1.87E-01
.	.	1	5	7.57E-01
.	.	5	11	1.05E-01
.	.	0	6	6.32E-01
.	.	1	4	1.60E-01
.	.	2	0	.
4.46E-01	0.37	1	15	4.20E-01
.	.	2	8	7.18E-01
3.31E-01	1.90	5	24	7.71E-01
.	.	4	26	4.19E-02
7.45E-01	1.34	5	23	5.97E-01
.	.	2	1	.
.	.	1	2	.
.	.	3	19	5.33E-01
.	.	0	5	3.20E-01
.	.	5	16	9.03E-01
9.79E-01	1.03	1	11	9.99E-01
.	.	2	7	5.27E-01
5.25E-01	1.82	2	12	9.63E-01
.	.	0	0	.
.	.	5	8	2.11E-01
.	.	2	9	9.43E-01

.	.	2	17	7.60E-01
.	.	8	36	6.60E-01
.	.	2	1	.
.	.	1	0	.
.	.	2	12	5.33E-01
.	.	1	5	3.49E-01
.	.	5	15	4.12E-01
8.93E-01	1.15	1	6	9.44E-01
.	.	0	2	.
8.79E-01	1.08	9	52	9.20E-01
.	.	3	6	4.34E-01
.	.	4	30	4.46E-01
9.45E-01	0.90	0	5	9.45E-01
.	.	6	14	1.75E-01
.	.	0	8	7.67E-01
.	.	9	30	3.78E-01
.	.	16	67	9.01E-01
.	.	5	19	9.82E-01
.	.	3	5	2.49E-01
.	.	5	23	9.58E-01
.	.	1	7	5.38E-01
.	.	2	9	5.46E-01
.	.	1	9	1.55E-01
.	.	0	11	5.38E-01
.	.	4	29	7.63E-01
.	.	7	45	9.73E-01
.	.	2	11	7.13E-01
.	.	3	18	8.55E-01
.	.	1	11	5.73E-01
.	.	3	5	2.45E-01
.	.	6	13	4.51E-01
.	.	11	24	1.60E-01
.	.	6	22	9.33E-01
.	.	1	12	8.01E-01
.	.	3	11	7.89E-01
.	.	0	8	4.63E-02
.	.	3	11	9.11E-01
.	.	3	25	9.13E-01
.	.	6	28	4.95E-01
.	.	5	16	8.43E-01
.	.	0	0	.

.	.	0	0	.
.	.	0	10	6.19E-01
.	.	4	10	4.11E-01
.	.	9	42	6.20E-01
.	.	0	10	5.07E-01
.	.	1	14	5.45E-01
.	.	2	1	.
.	.	2	4	5.93E-01
.	.	4	13	3.62E-01
.	.	4	5	3.34E-01
4.70E-01	0.40	3	22	9.90E-01
.	.	1	15	1.31E-01
4.47E-01	0.54	8	18	8.61E-01
.	.	2	18	2.66E-01
.	.	0	0	.
.	.	1	4	7.84E-01
.	.	0	6	6.03E-01
9.09E-01	1.06	8	16	1.31E-01
7.34E-01	1.11	7	25	7.71E-01
.	.	4	5	4.52E-01
.	.	1	7	3.69E-01
7.40E-01	0.70	9	15	1.34E-01
1.73E-01	0.22	5	14	9.98E-01
6.07E-02	0.18	5	30	6.92E-01
.	.	1	2	.
.	.	1	5	3.95E-01
.	.	15	62	4.37E-01
.	.	3	39	3.72E-01
.	.	11	23	9.49E-01
.	.	8	34	5.66E-01
7.83E-01	1.50	8	44	6.91E-01
.	.	7	19	1.26E-01
.	.	7	19	1.20E-01
.	.	7	21	6.58E-01
.	.	1	30	2.36E-03
.	.	1	6	9.67E-01
.	.	3	25	3.17E-01
7.37E-01	1.81	13	38	4.40E-02
.	.	5	26	8.41E-01
.	.	6	18	3.06E-01
.	.	5	23	8.03E-01

.	.	3	7	7.44E-01
.	.	0	6	8.90E-01
.	.	9	35	6.37E-01
.	.	4	21	9.16E-01
.	.	14	38	3.58E-01
.	.	1	2	.
.	.	14	48	1.27E-01
8.36E-01	1.08	10	32	8.25E-01
.	.	7	41	4.45E-01
.	.	2	4	2.03E-01
.	.	1	7	5.86E-01
.	.	4	26	5.53E-01
.	.	0	8	5.07E-01
.	.	2	10	5.55E-01
.	.	5	16	2.37E-01
.	.	1	1	.
.	.	0	1	.
.	.	3	7	4.61E-01
3.42E-01	1.74	6	36	8.08E-01
.	.	7	20	4.62E-01
.	.	9	45	2.44E-01
.	.	3	14	5.02E-01
1.60E-02	21.71	9	8	2.07E-02
7.18E-01	0.67	3	10	9.26E-01
.	.	2	4	5.51E-01
.	.	3	7	5.79E-01
3.06E-01	2.81	10	43	1.15E-01
.	.	4	14	5.58E-01
.	.	13	29	3.96E-01
.	.	7	48	5.48E-02
.	.	4	12	6.98E-02
.	.	1	14	5.95E-01
.	.	1	4	9.48E-01
.	.	4	14	4.71E-01
3.74E-01	2.50	1	7	4.89E-01
.	.	0	3	.
.	.	4	14	4.06E-01
.	.	0	2	.
.	.	5	20	1.63E-01
.	.	9	26	8.35E-01
.	.	4	19	5.25E-01

.	.	2	7	8.84E-01
.	.	1	6	5.23E-01
.	.	4	39	6.02E-02
8.06E-01	1.29	6	25	2.87E-01
8.07E-01	1.30	1	4	8.07E-01
.	.	5	16	5.90E-01
.	.	5	32	3.32E-01
.	.	0	3	.
.	.	7	36	9.25E-01
9.82E-01	1.01	7	34	8.99E-01
.	.	0	4	.
.	.	1	1	.
.	.	4	15	9.39E-01
.	.	2	5	5.67E-01
.	.	6	43	7.56E-01
.	.	1	10	6.22E-01
3.31E-01	2.90	4	19	9.86E-01
.	.	4	27	8.77E-01
.	.	3	8	8.39E-01
.	.	6	10	5.97E-01
.	.	5	24	5.90E-01
2.43E-01	3.71	71	317	9.50E-01
.	.	0	1	.
.	.	0	0	.
.	.	1	5	5.69E-01
.	.	2	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	5	8.98E-02
.	.	2	6	4.51E-02
.	.	0	1	.
.	.	6	17	4.16E-01
.	.	0	1	.
1.21E-01	5.17	2	6	7.83E-01
.	.	3	5	1.68E-01
.	.	0	1	.
.	.	5	12	4.57E-01
.	.	2	0	.
.	.	0	2	.
.	.	0	9	5.26E-01
.	.	0	4	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	2	.
.	.	0	8	8.16E-01
.	.	1	5	9.02E-01
.	.	2	2	.
9.73E-01	1.03	3	15	8.66E-01
.	.	1	5	7.05E-01
.	.	0	2	.
.	.	0	9	2.33E-01
.	.	1	5	9.22E-01
.	.	0	2	.
6.48E-01	1.69	1	18	4.08E-01
.	.	3	7	6.02E-01
.	.	2	18	3.25E-01
.	.	0	5	9.04E-01
.	.	0	1	.
.	.	1	5	6.51E-01
.	.	0	2	.
.	.	1	10	7.02E-01
.	.	2	2	.
.	.	1	4	6.91E-01
.	.	0	2	.
.	.	1	6	7.61E-01
.	.	0	2	.
.	.	2	16	3.42E-01
.	.	3	7	4.85E-01
.	.	1	7	9.11E-01
.	.	2	8	5.48E-01
.	.	2	6	9.27E-01
.	.	12	52	6.03E-01
.	.	3	6	3.76E-01
.	.	2	10	4.21E-01
.	.	4	15	3.04E-01
1.33E-01	0.21	3	16	4.93E-01
6.48E-01	1.40	3	17	4.90E-01
8.02E-01	1.20	5	18	9.25E-01
.	.	0	0	.
.	.	6	20	2.82E-01
.	.	3	25	1.94E-01
.	.	13	22	4.25E-02
.	.	6	10	1.61E-01
8.46E-01	0.85	6	30	9.76E-01

ACCEPTED MANUSCRIPT

.	.	2	8	4.74E-01
9.22E-01	0.92	0	6	9.22E-01
.	.	0	3	.
.	.	0	4	.
.	.	1	3	.
.	.	0	0	.
.	.	1	4	9.52E-01
.	.	1	0	.
7.64E-01	0.69	9	31	7.05E-01
3.65E-01	0.30	9	35	9.54E-01
6.67E-01	0.80	12	36	8.35E-01
.	.	0	0	.
.	.	2	2	.
.	.	0	1	.
.	.	11	39	3.92E-01
.	.	1	3	.
.	.	1	5	4.51E-01
.	.	0	6	5.51E-02
.	.	2	11	9.50E-01
7.26E-01	0.72	1	8	6.26E-01
.	.	18	77	2.69E-01
.	.	0	0	.
.	.	8	45	4.22E-01
.	.	4	4	1.95E-01
.	.	0	5	9.31E-01
.	.	6	11	4.08E-01
.	.	9	40	6.71E-01
.	.	3	10	5.05E-01
.	.	0	3	.
.	.	3	36	1.43E-01
.	.	0	4	.
.	.	1	6	9.70E-01
.	.	6	20	2.01E-01
9.87E-01	1.02	5	15	7.46E-01
.	.	11	44	9.41E-01
.	.	5	24	9.98E-01
.	.	0	4	.
.	.	0	3	.
.	.	0	0	.
9.18E-01	1.10	1	7	9.18E-01
.	.	0	1	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	2	.
2.23E-01	2.94	9	20	2.75E-01
.	.	3	6	6.81E-01
.	.	2	14	8.54E-01
5.50E-01	0.43	6	25	3.45E-02
.	.	9	37	2.21E-01
.	.	0	2	.
.	.	0	0	.
.	.	2	7	8.55E-01
.	.	4	24	7.15E-01
.	.	10	64	9.16E-01
.	.	5	24	9.06E-01
.	.	0	0	.
.	.	3	2	1.33E-01
.	.	1	2	.
.	.	0	7	1.61E-01
.	.	0	6	6.49E-01
.	.	1	3	.
.	.	6	21	7.62E-01
8.32E-01	1.40	3	18	9.89E-01
.	.	17	52	3.20E-01
.	.	0	2	.
.	.	0	0	.
.	.	7	35	8.09E-01
.	.	2	8	4.76E-01
.	.	5	46	7.90E-02
.	.	0	3	.
.	.	1	1	.
.	.	4	14	4.88E-01
.	.	2	8	1.97E-01
.	.	2	2	.
.	.	1	3	.
.	.	15	47	5.57E-02
.	.	1	5	7.07E-01
.	.	3	13	9.25E-01
.	.	0	4	.
.	.	3	5	3.93E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	2	.
.	.	0	3	.

.	.	0	5	7.94E-01
.	.	0	0	.
.	.	2	2	.
.	.	1	5	5.57E-01
.	.	2	2	.
.	.	1	7	5.63E-01
.	.	0	1	.
.	.	3	6	2.30E-01
.	.	3	15	7.20E-01
.	.	3	9	1.43E-01
.	.	4	5	7.03E-01
.	.	2	7	8.35E-01
.	.	2	18	4.16E-01
3.66E-01	3.10	14	42	5.65E-01
.	.	3	5	3.08E-01
.	.	4	8	2.67E-01
.	.	2	10	3.74E-01
.	.	0	2	.
8.53E-01	1.08	19	94	8.83E-01
.	.	14	61	5.84E-01
3.97E-01	0.34	10	50	8.76E-01
.	.	2	2	.
.	.	4	16	2.32E-01
.	.	5	20	9.93E-01
.	.	5	27	9.17E-01
.	.	4	9	8.07E-01
.	.	14	33	1.17E-01
.	.	6	35	6.94E-01
.	.	0	8	2.79E-01
.	.	7	44	3.67E-01
.	.	7	20	1.61E-01
.	.	5	28	5.77E-01
.	.	13	28	2.19E-01
.	.	0	10	5.24E-01
.	.	6	16	7.59E-01
.	.	1	2	.
.	.	0	3	.
.	.	2	21	5.06E-01
.	.	0	6	9.84E-01
.	.	2	7	3.02E-01
.	.	4	13	2.51E-01

.	.	3	8	7.68E-01
.	.	2	9	8.12E-01
.	.	3	16	8.82E-01
.	.	5	21	8.29E-01
.	.	6	24	5.42E-01
.	.	1	4	8.96E-01
.	.	1	0	.
3.55E-01	0.31	1	12	2.89E-01
.	.	2	16	6.70E-01
.	.	0	0	.
.	.	0	4	.
.	.	1	2	.
.	.	5	22	9.35E-01
.	.	2	1	.
4.66E-01	0.35	0	5	4.66E-01
.	.	6	42	1.80E-01
.	.	7	16	9.95E-02
.	.	0	2	.
1.60E-01	0.14	21	82	7.94E-01
.	.	7	13	5.37E-03
.	.	0	0	.
.	.	6	27	9.71E-01
.	.	1	11	6.76E-01
.	.	0	3	.
.	.	5	23	8.58E-01
.	.	7	42	3.90E-01
.	.	5	28	5.60E-01
.	.	9	18	3.53E-01
.	.	0	3	.
9.54E-01	0.94	3	23	5.60E-01
4.22E-01	1.85	6	16	4.83E-01
9.08E-01	1.17	4	7	3.53E-01
2.28E-01	3.64	3	6	1.36E-01
.	.	12	33	2.23E-01
.	.	0	4	.
.	.	3	17	7.92E-01
.	.	2	10	4.12E-01
.	.	1	4	3.76E-01
.	.	2	5	1.47E-01
.	.	5	17	8.81E-01
.	.	1	10	7.09E-01

.	.	3	22	9.88E-01
.	.	6	7	4.25E-03
.	.	0	2	.
.	.	2	0	.
.	.	11	35	7.05E-01
.	.	4	8	3.03E-01
.	.	0	0	.
.	.	1	0	.
.	.	2	9	7.08E-01
.	.	0	0	.
.	.	0	7	4.05E-01
.	.	0	5	2.78E-01
.	.	1	21	9.44E-02
4.15E-01	0.31	15	51	4.29E-01
.	.	3	13	9.43E-01
.	.	6	34	6.44E-01
.	.	7	18	4.27E-01
.	.	3	19	8.93E-01
.	.	0	3	.
.	.	0	4	.
1.40E-01	0.34	2	25	9.29E-02
.	.	1	1	.
.	.	0	1	.
.	.	0	0	.
.	.	5	29	8.62E-01
.	.	1	6	8.80E-01
.	.	0	5	8.65E-01
.	.	1	4	3.94E-01
.	.	1	15	3.43E-01
4.75E-02	5.94	4	7	6.79E-03
8.25E-01	1.40	1	8	9.65E-01
.	.	0	3	.
.	.	5	21	5.06E-01
.	.	3	4	7.18E-01
.	.	3	8	6.10E-01
.	.	4	11	8.81E-01
.	.	1	5	1.99E-01
.	.	2	16	9.62E-01
.	.	2	5	4.87E-01
.	.	3	8	1.84E-01
.	.	11	29	1.38E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

6.22E-01	1.55	3	7	7.12E-01
.	.	16	54	2.31E-01
.	.	21	107	5.39E-01
.	.	8	30	6.80E-01
7.41E-01	1.47	2	11	4.78E-01
.	.	0	7	4.05E-01
.	.	5	18	8.94E-01
.	.	1	6	3.67E-01
.	.	4	15	7.28E-01
.	.	9	45	5.27E-01
.	.	10	38	2.27E-01
.	.	2	3	6.59E-01
7.04E-01	0.57	4	28	7.22E-01
.	.	6	45	7.84E-02
.	.	3	7	6.66E-01
.	.	8	42	3.80E-01
.	.	0	2	.
.	.	1	4	5.97E-01
.	.	6	21	4.95E-01
.	.	0	4	.
.	.	3	33	2.98E-01
.	.	3	10	4.55E-01
.	.	1	12	6.20E-01
.	.	0	6	9.71E-01
.	.	0	2	.
.	.	0	3	.
.	.	0	3	.
6.67E-01	1.72	3	10	9.09E-01
.	.	5	25	5.43E-01
.	.	1	0	.
.	.	2	4	3.76E-01
8.40E-01	0.79	10	41	9.08E-01
.	.	5	13	2.74E-01
.	.	9	65	3.29E-01
1.07E-01	0.10	5	15	4.61E-01
.	.	0	5	8.30E-01
8.43E-01	1.14	3	15	8.43E-01
.	.	1	11	2.41E-01
.	.	0	8	5.69E-01
.	.	0	2	.
.	.	0	0	.

.	.	0	1	.
5.16E-01	2.27	0	6	5.16E-01
.	.	0	1	.
.	.	0	4	.
.	.	3	7	5.89E-01
.	.	8	47	1.61E-01
.	.	0	0	.
.	.	1	8	7.71E-01
.	.	7	16	5.62E-01
.	.	1	14	2.18E-01
.	.	0	4	.
7.37E-01	0.67	6	13	2.63E-01
.	.	7	24	6.85E-01
.	.	2	4	4.19E-01
.	.	3	17	3.95E-01
.	.	4	9	6.62E-01
.	.	2	3	9.61E-01
.	.	2	14	9.85E-01
.	.	1	3	.
.	.	0	6	5.29E-01
.	.	5	25	8.38E-01
.	.	3	8	7.25E-01
.	.	7	24	1.67E-01
.	.	0	1	.
.	.	2	13	1.96E-01
.	.	6	6	1.19E-01
.	.	5	33	3.91E-01
.	.	5	31	7.38E-02
5.45E-01	1.84	12	29	8.79E-02
.	.	7	44	5.08E-01
.	.	1	12	2.45E-01
.	.	5	30	3.01E-01
.	.	5	25	6.30E-01
4.50E-01	0.75	14	88	2.05E-01
.	.	2	8	9.44E-01
7.30E-02	2.10	27	65	9.48E-03
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	1	12	1.69E-01

.	.	3	9	7.28E-01
.	.	4	9	8.32E-01
.	.	0	5	4.95E-02
.	.	1	2	.
.	.	1	8	6.87E-01
.	.	0	2	.
.	.	1	1	.
.	.	0	0	.
.	.	1	7	6.12E-01
.	.	2	11	7.04E-01
5.46E-01	0.49	1	5	5.45E-01
.	.	6	6	2.29E-02
.	.	1	11	3.18E-01
.	.	0	1	.
6.96E-01	0.67	2	19	8.02E-01
.	.	3	4	1.54E-02
9.28E-01	0.87	1	15	6.27E-01
6.11E-01	1.62	0	10	4.66E-01
7.35E-01	1.38	4	16	8.81E-01
.	.	1	1	.
.	.	2	2	.
.	.	0	1	.
1.78E-03	22.06	10	9	6.61E-04
.	.	1	9	8.26E-01
.	.	7	14	8.66E-01
7.25E-01	1.52	2	5	7.25E-01
.	.	1	2	.
.	.	0	2	.
.	.	3	22	5.90E-01
.	.	1	16	4.23E-01
.	.	4	11	3.67E-01
.	.	2	12	9.49E-01
.	.	0	3	.
.	.	3	9	7.40E-01
.	.	1	3	.
.	.	2	7	6.53E-01
.	.	1	5	8.51E-01
.	.	7	12	3.58E-01
.	.	0	4	.
.	.	8	41	5.90E-01
.	.	1	1	.

.	.	1	4	2.93E-01
9.91E-01	1.01	11	46	8.99E-01
.	.	10	34	6.41E-01
.	.	1	0	.
.	.	1	9	9.26E-01
.	.	1	23	1.34E-01
.	.	2	6	1.72E-01
.	.	0	2	.
.	.	0	5	6.60E-01
.	.	0	5	4.04E-01
.	.	36	125	5.28E-01
.	.	5	30	7.67E-01
.	.	1	13	3.68E-01
.	.	2	21	2.75E-01
.	.	0	2	.
.	.	3	8	7.13E-01
1.21E-01	4.11	3	11	2.65E-01
.	.	1	0	.
.	.	0	1	.
.	.	0	2	.
.	.	0	1	.
.	.	3	19	7.21E-01
.	.	2	29	1.67E-02
.	.	1	6	5.36E-02
.	.	2	8	9.15E-01
.	.	7	5	1.44E-02
.	.	0	1	.
.	.	6	24	8.76E-01
.	.	4	13	1.41E-01
.	.	13	70	1.23E-01
.	.	0	1	.
.	.	7	32	5.36E-01
.	.	0	0	.
.	.	0	2	.
.	.	0	4	.
5.46E-01	1.58	3	12	5.46E-01
.	.	0	0	.
.	.	2	3	1.31E-01
1.58E-01	0.12	2	13	5.59E-01
.	.	0	2	.
.	.	8	21	1.94E-01

.	.	1	3	.
9.21E-01	0.94	4	25	5.58E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	6	8.39E-01
.	.	0	1	.
.	.	2	11	6.39E-01
.	.	0	0	.
.	.	1	0	.
.	.	0	2	.
.	.	0	4	.
.	.	0	2	.
.	.	0	1	.
.	.	0	2	.
.	.	0	14	1.15E-01
.	.	1	4	3.31E-01
9.06E-01	0.84	1	12	9.07E-01
2.24E-01	0.33	2	18	2.36E-01
.	.	7	34	9.78E-01
.	.	3	17	9.40E-01
.	.	0	1	.
.	.	22	43	1.61E-02
.	.	0	0	.
.	.	1	5	3.51E-01
.	.	0	9	1.23E-01
.	.	2	17	9.62E-02
.	.	2	8	4.15E-01
.	.	0	1	.
.	.	5	23	5.45E-01
.	.	3	7	1.07E-01
.	.	5	12	5.93E-01
.	.	1	15	1.09E-01
.	.	4	36	3.05E-02
7.63E-01	0.82	6	19	8.06E-01
.	.	1	3	.
.	.	1	8	4.74E-01
.	.	3	22	9.68E-01
.	.	3	2	1.66E-01
6.35E-01	0.55	3	14	6.34E-01
.	.	0	2	.
.	.	1	8	3.28E-01

ACCEPTED MANUSCRIPT

.	.	2	6	4.06E-01
.	.	2	21	4.23E-01
.	.	0	4	.
.	.	0	2	.
.	.	2	11	6.72E-01
.	.	2	10	7.35E-01
.	.	1	1	.
.	.	0	7	3.25E-01
.	.	5	26	5.81E-01
.	.	2	2	.
.	.	1	3	.
.	.	1	3	.
.	.	0	3	.
.	.	4	11	2.21E-01
.	.	3	1	.
.	.	0	2	.
.	.	0	19	2.64E-02
.	.	3	16	9.57E-01
.	.	0	5	9.94E-01
.	.	2	22	5.72E-01
.	.	1	1	.
.	.	0	1	.
.	.	0	1	.
.	.	1	4	9.98E-01
.	.	2	4	1.94E-01
.	.	1	2	.
.	.	0	7	5.29E-02
.	.	5	30	7.06E-01
.	.	1	1	.
.	.	7	15	7.87E-01
3.82E-01	0.36	1	30	2.77E-02
.	.	0	3	.
.	.	1	2	.
.	.	3	3	1.12E-01
8.70E-03	11.23	11	31	3.17E-01
.	.	0	3	.
.	.	1	2	.
.	.	1	2	.
.	.	1	6	3.11E-01
.	.	11	54	7.57E-01
.	.	5	23	6.88E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	2	9	9.09E-01
.	.	3	19	9.23E-01
.	.	5	24	7.21E-01
.	.	2	16	6.27E-01
.	.	10	32	1.16E-01
.	.	14	74	8.29E-01
.	.	5	25	7.47E-01
.	.	0	3	.
.	.	0	8	9.84E-01
.	.	4	15	4.12E-01
.	.	12	38	4.13E-01
.	.	0	4	.
.	.	0	7	3.38E-01
.	.	1	10	5.65E-01
1.97E-01	3.61	2	12	4.29E-01
.	.	1	5	6.44E-01
.	.	5	24	6.28E-01
.	.	1	3	.
.	.	3	43	2.29E-02
.	.	0	1	.
.	.	1	3	.
.	.	2	6	7.96E-01
.	.	2	12	4.83E-01
.	.	0	1	.
.	.	0	1	.
7.67E-01	0.86	5	33	6.79E-01
.	.	4	9	4.38E-01
.	.	3	5	1.20E-01
.	.	0	2	.
.	.	1	3	.
.	.	0	0	.
.	.	1	3	.
.	.	4	15	8.77E-01
.	.	0	8	1.29E-01
.	.	4	7	9.75E-01
.	.	0	4	.
.	.	0	0	.
.	.	1	2	.
.	.	0	2	.
.	.	3	16	9.23E-01
.	.	0	0	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	0	.
.	.	0	14	6.12E-02
.	.	3	7	2.18E-01
.	.	2	22	4.36E-01
.	.	0	3	.
.	.	4	24	8.49E-01
.	.	5	19	9.70E-01
.	.	16	42	5.84E-01
.	.	7	38	7.39E-01
.	.	2	2	.
.	.	0	4	.
.	.	1	1	.
.	.	2	5	3.98E-01
.	.	0	2	.
.	.	1	2	.
.	.	1	6	9.16E-01
.	.	1	2	.
.	.	1	3	.
.	.	3	26	1.59E-01
.	.	2	14	8.60E-01
.	.	1	2	.
.	.	1	6	5.72E-01
.	.	0	3	.
.	.	0	2	.
.	.	2	7	2.77E-01
.	.	4	27	3.81E-01
.	.	0	4	.
.	.	0	8	5.68E-01
.	.	1	0	.
3.28E-01	0.38	5	21	9.94E-02
.	.	5	15	2.19E-01
.	.	4	17	3.74E-01
.	.	5	22	9.90E-01
.	.	4	35	1.20E-01
.	.	7	29	6.66E-01
5.70E-01	1.83	4	12	2.80E-01
.	.	1	0	.
.	.	0	0	.
.	.	6	11	3.89E-02
.	.	1	4	7.54E-01
.	.	0	1	.

5.78E-01	1.92	11	56	8.70E-01
.	.	2	3	2.63E-02
.	.	5	24	7.21E-01
3.25E-01	1.79	6	22	2.66E-01
.	.	1	8	9.78E-01
.	.	3	8	3.01E-01
.	.	4	26	4.59E-01
.	.	12	47	7.84E-01
.	.	1	8	5.44E-01
.	.	3	9	3.95E-01
1.19E-01	3.12	3	25	7.83E-01
.	.	3	14	8.74E-01
.	.	1	1	.
.	.	6	16	2.42E-01
.	.	7	29	8.43E-01
.	.	0	0	.
.	.	2	7	5.76E-01
.	.	2	6	2.18E-01
.	.	0	3	.
.	.	0	2	.
.	.	7	49	4.01E-01
.	.	5	14	1.63E-01
.	.	0	11	5.79E-01
.	.	0	5	4.55E-01
.	.	0	2	.
.	.	0	1	.
.	.	15	48	2.15E-02
.	.	1	5	7.74E-01
.	.	2	2	.
.	.	0	9	2.17E-01
1.56E-01	2.20	11	41	4.84E-01
.	.	2	10	7.07E-01
.	.	3	6	3.39E-01
.	.	3	11	9.44E-01
.	.	1	5	4.43E-01
.	.	1	7	7.12E-01
.	.	4	12	2.65E-01
.	.	2	4	4.86E-01
5.63E-01	1.75	4	21	9.05E-01
9.17E-01	1.09	6	33	7.09E-01
.	.	0	0	.

.	.	0	2	.
.	.	16	65	9.12E-01
7.99E-01	0.78	1	8	7.99E-01
.	.	0	0	.
2.64E-01	0.26	4	18	4.27E-01
.	.	1	4	2.14E-01
.	.	1	2	.
.	.	4	23	8.57E-01
.	.	4	10	7.81E-01
.	.	3	21	6.83E-01
.	.	1	3	.
4.84E-02	0.18	2	27	6.98E-02
.	.	0	0	.
.	.	3	10	6.10E-01
.	.	7	15	1.53E-01
.	.	0	8	5.53E-01
.	.	5	45	1.41E-02
.	.	12	16	8.36E-02
.	.	5	25	6.07E-01
.	.	6	6	3.24E-01
.	.	13	51	6.67E-01
.	.	2	6	9.19E-01
.	.	1	3	.
.	.	2	10	6.63E-01
.	.	2	1	.
.	.	0	9	4.82E-01
.	.	1	3	.
.	.	3	23	9.80E-01
.	.	0	0	.
.	.	0	1	.
2.38E-01	3.45	7	22	1.55E-01
.	.	0	2	.
.	.	0	5	3.61E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	0	2	.
.	.	1	6	7.34E-01
.	.	1	8	7.34E-01
.	.	10	25	1.27E-02
.	.	9	35	9.72E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	3	.
.	.	0	0	.
1.12E-01	2.46	13	17	5.92E-02
.	.	0	6	7.79E-01
.	.	1	1	.
.	.	0	4	.
.	.	2	10	4.85E-01
.	.	10	52	9.37E-01
9.69E-01	1.03	3	18	8.21E-01
.	.	0	7	5.49E-01
.	.	2	5	9.56E-01
6.89E-02	3.31	45	170	3.55E-01
.	.	0	0	.
8.10E-01	0.75	4	19	8.09E-01
.	.	0	7	9.95E-01
.	.	3	12	9.36E-01
.	.	18	91	8.53E-01
.	.	6	19	3.68E-01
9.78E-01	0.98	8	26	7.44E-01
8.74E-01	1.18	3	26	3.39E-01
.	.	0	0	.
.	.	4	17	7.92E-01
.	.	8	46	4.17E-01
.	.	2	19	2.42E-01
.	.	11	41	9.60E-01
.	.	5	10	1.17E-01
1.86E-01	3.07	4	28	5.30E-01
9.90E-01	1.01	15	70	4.44E-01
.	.	0	0	.
.	.	3	5	4.98E-01
.	.	1	5	7.56E-01
.	.	21	80	7.66E-01
.	.	3	2	2.16E-02
.	.	2	19	1.11E-01
.	.	1	8	4.54E-01
.	.	16	75	7.19E-01
.	.	3	13	9.13E-01
.	.	8	23	3.89E-01
.	.	11	58	8.13E-01
.	.	2	5	7.24E-01
5.46E-01	1.29	31	140	6.98E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	9	55	6.20E-01
.	.	0	7	9.52E-01
.	.	0	7	5.56E-02
.	.	3	4	4.27E-02
.	.	1	2	.
.	.	1	4	9.76E-01
.	.	0	2	.
.	.	0	2	.
.	.	2	3	6.78E-01
.	.	2	16	6.04E-01
.	.	0	1	.
.	.	1	1	.
.	.	0	3	.
.	.	4	16	8.11E-01
.	.	4	8	2.69E-01
.	.	3	22	5.41E-01
.	.	14	48	5.59E-01
.	.	1	5	9.33E-01
.	.	1	7	7.16E-01
.	.	0	4	.
.	.	0	3	.
.	.	4	26	1.34E-01
.	.	0	3	.
.	.	1	8	8.68E-01
.	.	0	2	.
.	.	0	0	.
5.23E-01	0.48	1	8	5.23E-01
.	.	1	0	.
6.04E-01	0.49	13	86	3.09E-01
.	.	12	35	7.54E-01
.	.	4	23	3.43E-01
.	.	7	50	3.15E-01
.	.	3	23	3.23E-01
8.50E-01	1.09	18	82	5.32E-01
.	.	11	44	6.52E-01
.	.	2	8	8.68E-01
.	.	4	27	5.42E-01
.	.	0	1	.
.	.	0	11	1.79E-01
.	.	1	3	.
.	.	2	17	5.95E-01

7.56E-01	1.21	0	9	9.69E-01
.	.	2	7	7.89E-01
.	.	2	7	8.06E-01
.	.	4	6	8.22E-01
.	.	2	31	1.52E-01
.	.	1	5	2.92E-01
.	.	0	3	.
.	.	13	24	7.04E-02
.	.	2	33	4.30E-03
.	.	0	2	.
.	.	3	4	2.03E-01
.	.	0	2	.
.	.	0	0	.
.	.	6	19	4.99E-01
1.17E-01	0.30	2	16	3.38E-01
.	.	2	4	8.13E-01
.	.	0	1	.
.	.	1	8	6.99E-01
.	.	1	6	6.62E-01
.	.	4	9	3.48E-01
.	.	2	4	7.88E-01
2.66E-01	3.32	4	15	7.69E-01
.	.	1	2	.
.	.	0	0	.
.	.	2	14	6.02E-01
.	.	3	16	9.06E-01
7.05E-01	1.55	2	7	7.18E-01
.	.	4	26	3.20E-01
.	.	10	46	2.86E-01
.	.	6	16	9.70E-01
.	.	0	1	.
.	.	1	5	2.18E-01
5.76E-01	0.45	2	18	5.94E-01
5.20E-01	0.72	3	14	9.00E-01
.	.	1	2	.
.	.	0	2	.
.	.	2	3	7.70E-01
.	.	0	5	9.34E-01
.	.	2	3	2.68E-01
.	.	4	11	9.30E-01
.	.	0	2	.

ACCEPTED MANUSCRIPT

.	.	0	3	.
4.72E-02	4.17	4	6	6.63E-02
.	.	1	3	.
.	.	4	14	9.36E-01
.	.	0	5	7.41E-01
.	.	2	7	9.62E-01
.	.	0	3	.
.	.	0	5	7.59E-01
4.86E-01	0.58	7	36	9.00E-01
.	.	2	11	4.87E-01
.	.	2	2	.
.	.	0	2	.
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	0	4	.
.	.	2	13	9.81E-01
.	.	3	7	4.35E-03
.	.	1	3	.
.	.	0	7	8.41E-01
.	.	7	14	1.46E-01
.	.	0	2	.
.	.	1	2	.
.	.	1	7	9.48E-01
.	.	11	33	1.56E-01
.	.	0	4	.
.	.	1	7	7.55E-01
5.69E-01	0.55	1	11	5.03E-01
.	.	1	9	3.81E-01
.	.	8	27	2.91E-01
.	.	2	7	3.61E-01
.	.	1	1	.
.	.	1	3	.
.	.	0	11	6.99E-02
7.31E-01	1.35	1	15	7.53E-01
.	.	1	4	4.31E-01
5.50E-01	1.31	6	11	6.03E-01
.	.	17	80	5.03E-01
.	.	0	2	.
2.51E-01	2.64	3	7	5.43E-01
.	.	1	3	.

.	.	1	2	.
.	.	0	11	2.91E-01
.	.	1	5	4.33E-01
.	.	3	7	4.13E-01
.	.	3	4	3.31E-02
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	8	16	1.13E-01
.	.	0	5	9.61E-01
.	.	0	17	2.28E-02
.	.	1	11	8.47E-01
.	.	1	3	.
.	.	0	4	.
.	.	5	41	4.07E-01
.	.	9	22	3.84E-01
.	.	2	11	9.47E-01
.	.	4	3	2.57E-01
.	.	8	15	9.65E-03
.	.	3	9	7.34E-01
.	.	10	56	8.25E-01
.	.	4	23	3.99E-01
.	.	0	9	2.30E-01
.	.	7	25	3.64E-01
.	.	4	16	8.45E-01
.	.	2	17	3.49E-01
5.43E-01	0.72	2	12	5.43E-01
.	.	4	1	4.98E-01
.	.	3	20	3.41E-01
.	.	0	4	.
.	.	1	10	9.00E-01
.	.	1	3	.
5.02E-01	1.59	4	6	5.76E-01
.	.	2	7	3.29E-01
.	.	0	1	.
.	.	0	5	5.67E-01
.	.	4	47	9.00E-02
.	.	2	22	2.26E-01
.	.	0	9	8.46E-01
.	.	3	9	6.77E-01
.	.	0	0	.

.	.	0	3	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	3	5	1.36E-01
.	.	1	4	6.40E-01
.	.	1	1	.
.	.	0	1	.
.	.	0	1	.
.	.	0	1	.
3.73E-01	0.31	1	7	1.40E-01
.	.	6	17	2.07E-01
.	.	4	10	4.13E-01
8.68E-01	1.14	2	11	8.81E-01
.	.	10	33	4.16E-01
.	.	9	30	9.00E-01
.	.	3	10	5.33E-01
6.79E-01	0.56	2	13	9.10E-01
.	.	4	13	9.18E-01
.	.	0	4	.
2.81E-01	0.44	10	37	9.37E-01
.	.	0	2	.
.	.	0	6	4.24E-01
.	.	8	27	1.86E-01
.	.	0	1	.
.	.	0	2	.
.	.	1	2	.
.	.	0	1	.
.	.	1	2	.
.	.	0	0	.
.	.	2	1	.
.	.	4	14	4.98E-01
.	.	4	16	8.67E-02
.	.	3	8	6.65E-01
.	.	5	18	8.68E-01
.	.	0	3	.
6.29E-01	0.66	6	18	9.64E-01
.	.	0	14	9.95E-03
.	.	1	5	9.14E-01
.	.	1	3	.
.	.	1	3	.

ACCEPTED MANUSCRIPT

.	.	1	11	4.37E-01
.	.	5	24	6.74E-01
.	.	0	3	.
.	.	3	11	2.53E-01
.	.	0	1	.
.	.	0	0	.
.	.	2	15	7.31E-01
.	.	5	10	5.18E-01
.	.	2	3	1.91E-01
.	.	1	16	2.16E-01
.	.	0	3	.
.	.	0	0	.
.	.	15	39	7.03E-01
.	.	4	12	3.26E-01
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
.	.	14	53	6.71E-02
.	.	3	25	2.61E-01
.	.	1	4	6.36E-01
.	.	3	8	2.43E-02
.	.	0	0	.
.	.	1	3	.
.	.	0	1	.
.	.	0	0	.
.	.	2	4	8.26E-02
.	.	1	1	.
.	.	3	27	9.91E-01
.	.	0	5	1.62E-01
.	.	0	6	2.62E-01
.	.	4	23	8.24E-01
.	.	2	22	2.31E-01
.	.	8	11	3.13E-01
.	.	1	8	7.72E-01
.	.	15	24	4.98E-02
.	.	0	4	.
.	.	14	52	2.50E-01
.	.	1	6	2.39E-01
.	.	7	20	8.61E-01
.	.	3	15	4.91E-01
.	.	0	1	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	3	9	3.01E-01
.	.	1	4	7.20E-01
.	.	0	10	1.00E-01
.	.	0	8	9.85E-01
.	.	0	2	.
.	.	7	19	8.06E-01
2.68E-01	1.77	6	30	2.97E-01
.	.	4	12	3.10E-01
.	.	1	3	.
.	.	1	11	9.85E-01
.	.	1	2	.
.	.	0	5	5.71E-01
.	.	0	1	.
.	.	1	0	.
.	.	0	0	.
.	.	4	4	8.22E-02
.	.	4	10	2.06E-01
7.76E-01	0.69	1	4	7.76E-01
.	.	1	3	.
7.63E-01	0.75	1	6	7.63E-01
.	.	2	1	.
.	.	0	2	.
.	.	0	0	.
7.02E-02	0.36	3	46	7.02E-02
.	.	1	2	.
.	.	0	2	.
.	.	1	5	7.67E-01
.	.	1	3	.
.	.	3	24	4.70E-01
.	.	3	3	6.47E-02
.	.	12	44	1.38E-01
5.06E-02	9.74	33	90	6.96E-02
3.27E-06	18.59	46	152	3.94E-01
.	.	5	5	2.89E-01
.	.	2	16	8.46E-01
.	.	0	3	.
.	.	0	3	.
.	.	0	6	2.01E-01
.	.	1	2	.
9.42E-02	2.67	7	14	9.42E-02
.	.	3	11	1.92E-01

.	.	0	1	.
.	.	1	4	6.63E-01
.	.	3	0	.
.	.	2	11	5.91E-01
.	.	1	6	9.84E-01
.	.	0	11	1.34E-01
.	.	16	76	4.42E-01
.	.	0	0	.
.	.	0	0	.
.	.	2	5	4.09E-01
.	.	0	2	.
.	.	1	1	.
.	.	3	5	1.14E-01
.	.	1	12	4.83E-01
.	.	9	37	9.84E-01
.	.	5	30	2.60E-01
.	.	1	1	.
.	.	5	7	8.17E-02
.	.	4	15	9.96E-01
.	.	1	8	9.30E-01
.	.	0	0	.
.	.	2	21	9.54E-01
9.33E-01	1.14	0	9	7.30E-01
.	.	1	2	.
.	.	2	10	6.81E-01
.	.	7	21	8.74E-01
.	.	4	13	6.16E-01
.	.	1	9	6.27E-01
.	.	2	9	6.53E-01
.	.	0	0	.
.	.	9	15	2.65E-01
.	.	5	15	9.08E-01
.	.	3	24	5.82E-01
.	.	2	4	9.17E-01
.	.	1	2	.
.	.	1	7	8.16E-01
.	.	1	2	.
.	.	0	8	7.01E-01
.	.	0	0	.
.	.	6	24	8.29E-01
.	.	1	1	.

.	.	0	0	.
.	.	0	0	.
.	.	1	11	2.56E-01
.	.	2	5	2.74E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	6	6.47E-01
.	.	0	1	.
.	.	2	3	5.44E-01
.	.	1	0	.
.	.	1	7	4.65E-01
.	.	0	2	.
.	.	1	4	8.25E-01
3.53E-01	2.48	7	42	8.50E-01
.	.	1	10	9.21E-01
.	.	0	2	.
.	.	4	21	5.90E-01
.	.	6	16	4.44E-01
.	.	1	3	.
.	.	0	0	.
4.49E-01	0.34	0	10	3.92E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	2	1	.
.	.	2	2	.
7.29E-01	1.24	4	22	7.29E-01
.	.	0	0	.
.	.	2	18	3.83E-01
.	.	0	0	.
.	.	0	0	.
6.75E-01	0.73	2	18	6.75E-01
.	.	0	2	.
.	.	0	0	.
.	.	3	5	1.69E-01
.	.	0	2	.
.	.	4	13	8.80E-01
.	.	1	2	.
.	.	2	11	5.17E-01
.	.	0	1	.

.	.	2	5	3.14E-01
.	.	0	2	.
.	.	0	2	.
.	.	0	1	.
1.69E-01	3.61	2	4	1.69E-01
.	.	6	23	1.94E-01
.	.	0	3	.
5.78E-02	1.77	5	2	6.09E-02
5.43E-02	7.19	3	5	9.96E-03
.	.	0	1	.
.	.	0	1	.
4.32E-01	0.33	2	6	6.17E-01
.	.	0	3	.
.	.	1	1	.
7.40E-01	0.60	0	6	7.24E-01
.	.	0	1	.
.	.	0	2	.
.	.	0	2	.
.	.	0	5	8.60E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	1	6	7.26E-01
.	.	0	0	.
.	.	7	22	5.29E-01
.	.	0	1	.
.	.	1	7	4.29E-01
.	.	1	10	2.35E-01
.	.	0	1	.
.	.	0	1	.
.	.	0	1	.
.	.	0	2	.
.	.	0	0	.
.	.	1	3	.
.	.	4	7	6.66E-02
.	.	0	0	.
.	.	0	0	.
.	.	1	0	.
.	.	0	0	.
3.63E-01	0.52	3	26	7.91E-02
.	.	0	2	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	0	.
.	.	0	0	.
3.30E-01	0.39	1	15	7.96E-02
.	.	2	8	6.31E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	6	3.86E-01
.	.	0	2	.
.	.	2	3	9.20E-02
.	.	0	4	.
.	.	2	6	4.51E-01
.	.	0	1	.
.	.	4	23	4.31E-01
.	.	0	6	7.01E-01
.	.	0	0	.
.	.	9	34	9.76E-01
.	.	0	2	.
.	.	0	4	.
.	.	0	1	.
7.15E-01	0.87	6	32	7.15E-01
.	.	2	17	8.88E-01
.	.	0	1	.
.	.	0	0	.
.	.	2	1	.
.	.	0	5	3.62E-01
.	.	0	6	8.27E-01
.	.	3	3	1.73E-02
.	.	0	1	.
.	.	0	0	.
.	.	1	0	.
2.99E-01	2.31	3	8	9.19E-01
.	.	6	15	1.34E-01
.	.	8	25	9.63E-01
.	.	1	0	.
.	.	1	1	.
.	.	5	8	1.65E-01
7.29E-01	0.74	4	18	6.28E-01
.	.	3	8	6.35E-01
.	.	0	0	.
.	.	3	5	4.12E-01
.	.	1	1	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	2	.
.	.	0	1	.
4.38E-01	2.47	9	58	6.99E-02
.	.	0	2	.
.	.	0	2	.
1.58E-01	2.29	6	21	3.54E-01
.	.	0	3	.
.	.	0	2	.
.	.	0	0	.
.	.	1	3	.
.	.	0	0	.
.	.	3	6	6.16E-01
.	.	0	1	.
.	.	1	1	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
1.96E-01	0.31	1	17	1.30E-01
.	.	0	0	.
.	.	0	3	.
.	.	0	1	.
.	.	0	1	.
.	.	0	1	.
.	.	0	3	.
.	.	0	1	.
.	.	1	5	5.79E-01
.	.	1	10	3.79E-01
.	.	1	12	1.87E-01
.	.	0	0	.
.	.	1	5	8.81E-01
.	.	0	2	.
.	.	0	1	.
.	.	2	9	7.22E-01
.	.	0	1	.
.	.	3	7	4.34E-01
.	.	0	3	.
.	.	0	3	.
7.32E-01	0.76	0	7	7.12E-01
.	.	0	2	.
2.90E-01	0.45	4	28	6.51E-01
.	.	0	5	5.77E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	0	.
.	.	1	0	.
2.23E-01	3.82	1	5	2.73E-01
.	.	1	0	.
.	.	1	8	7.50E-01
.	.	1	4	8.45E-01
.	.	0	4	.
.	.	0	5	6.94E-01
.	.	1	1	.
5.92E-01	0.75	5	45	4.25E-01
5.14E-01	0.47	1	7	4.92E-01
.	.	0	3	.
.	.	1	0	.
.	.	0	2	.
.	.	0	1	.
.	.	2	2	.
.	.	0	1	.
.	.	0	1	.
1.10E-01	5.70	8	17	2.15E-01
4.81E-01	0.45	10	36	2.93E-01
.	.	0	1	.
4.56E-01	1.45	8	23	4.56E-01
.	.	1	2	.
5.78E-01	1.74	1	9	6.02E-01
.	.	0	2	.
.	.	1	5	7.97E-01
.	.	0	3	.
.	.	0	0	.
.	.	0	4	.
.	.	0	1	.
.	.	1	1	.
.	.	1	4	7.99E-01
.	.	0	2	.
.	.	0	1	.
.	.	0	1	.
.	.	0	5	8.30E-01
.	.	0	2	.
4.39E-01	1.80	3	8	4.39E-01
.	.	1	1	.
.	.	0	0	.
.	.	1	2	.

.	.	1	3	.
4.82E-01	2.45	2	8	6.30E-01
.	.	0	1	.
.	.	3	6	3.00E-01
.	.	1	9	6.25E-01
.	.	0	2	.
.	.	2	1	.
.	.	0	1	.
.	.	0	1	.
.	.	0	10	5.18E-01
.	.	0	5	6.48E-01
.	.	1	4	4.54E-01
.	.	1	1	.
.	.	3	8	3.94E-01
.	.	0	6	9.25E-01
.	.	2	11	9.14E-01
.	.	2	6	6.69E-01
3.84E-01	0.31	0	9	3.84E-01
2.54E-01	3.23	2	7	3.40E-01
.	.	0	0	.
.	.	0	6	8.86E-01
.	.	0	5	9.51E-01
.	.	1	2	.
7.10E-01	0.71	1	11	7.10E-01
.	.	0	1	.
.	.	0	1	.
.	.	1	3	.
.	.	0	3	.
3.75E-01	0.28	1	6	9.22E-01
.	.	2	14	5.46E-01
.	.	0	1	.
.	.	0	3	.
.	.	4	6	1.05E-01
.	.	3	2	2.69E-01
2.72E-01	0.40	1	14	2.72E-01
.	.	0	8	1.88E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
2.91E-01	3.39	2	5	4.88E-01
.	.	0	1	.

.	.	0	1	.
.	.	4	23	9.32E-01
.	.	0	2	.
8.59E-01	0.81	2	14	6.53E-01
.	.	1	9	8.44E-01
.	.	0	5	6.45E-01
.	.	0	1	.
.	.	2	11	8.98E-02
.	.	0	0	.
.	.	0	1	.
.	.	1	0	.
.	.	4	14	7.53E-01
.	.	8	19	5.74E-01
.	.	1	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	3	.
.	.	0	5	2.81E-01
.	.	1	1	.
.	.	2	1	.
.	.	0	1	.
.	.	0	4	.
.	.	0	1	.
.	.	0	1	.
.	.	2	4	8.56E-01
.	.	0	0	.
.	.	0	0	.
6.21E-01	0.84	9	43	7.04E-01
.	.	0	2	.
.	.	3	3	1.49E-01
.	.	2	5	5.69E-01
.	.	0	4	.
.	.	12	58	9.41E-01
.	.	2	7	5.61E-01
.	.	1	0	.
.	.	1	5	4.76E-01
.	.	1	3	.
6.54E-01	0.54	0	6	6.54E-01
.	.	0	1	.
.	.	1	1	.
.	.	1	1	.

ACCEPTED MANUSCRIPT

.	.	0	0	.
.	.	1	1	.
6.00E-01	1.28	1	12	6.20E-01
.	.	0	3	.
.	.	1	3	.
.	.	1	4	7.82E-01
.	.	0	4	.
.	.	1	2	.
.	.	0	2	.
.	.	2	3	5.14E-01
9.01E-01	0.91	0	12	9.01E-01
.	.	0	2	.
.	.	1	0	.
.	.	0	2	.
1.15E-01	0.39	5	34	3.40E-02
.	.	0	1	.
.	.	1	5	8.57E-01
.	.	0	2	.
.	.	0	1	.
.	.	0	0	.
.	.	2	5	7.60E-01
.	.	1	1	.
2.31E-01	0.18	3	14	9.87E-01
.	.	1	1	.
.	.	0	0	.
.	.	8	48	6.25E-01
.	.	0	0	.
.	.	0	2	.
.	.	0	0	.
.	.	2	5	8.11E-01
6.43E-01	0.59	8	42	8.85E-02
5.85E-02	0.22	2	19	5.85E-02
.	.	1	1	.
.	.	0	0	.
.	.	0	1	.
3.81E-01	2.40	2	7	3.81E-01
.	.	0	3	.
.	.	0	0	.
.	.	0	0	.
2.07E-01	0.27	7	62	3.64E-02
4.20E-01	2.29	2	8	9.97E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	3	.
5.21E-01	2.12	0	5	5.21E-01
.	.	1	1	.
8.22E-01	0.76	2	14	9.32E-01
.	.	0	2	.
.	.	0	1	.
.	.	2	0	.
7.43E-01	1.24	4	24	8.13E-01
.	.	1	2	.
.	.	0	13	1.92E-01
.	.	0	3	.
.	.	1	1	.
.	.	0	1	.
.	.	0	1	.
.	.	5	33	5.10E-01
.	.	0	2	.
.	.	1	8	9.51E-01
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
.	.	0	3	.
.	.	0	1	.
.	.	5	14	5.10E-02
.	.	1	3	.
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	1	2	.
.	.	10	52	6.48E-01
.	.	6	39	2.05E-01
.	.	0	2	.
.	.	0	0	.
.	.	0	1	.
.	.	0	2	.
4.58E-01	0.46	3	5	7.92E-01
.	.	0	9	2.13E-01
.	.	0	3	.
8.83E-01	1.10	6	15	8.83E-01
.	.	1	3	.
.	.	3	2	2.45E-02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	3	2	1.92E-02
8.68E-01	1.29	1	10	2.57E-01
.	.	0	1	.
3.35E-02	3.99	10	26	3.33E-02
.	.	0	0	.
1.75E-01	0.34	4	17	5.60E-01
.	.	1	2	.
.	.	0	2	.
.	.	2	2	.
.	.	0	1	.
.	.	0	1	.
.	.	1	0	.
.	.	0	2	.
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	3	6	8.62E-01
.	.	0	1	.
.	.	2	4	3.22E-01
.	.	0	3	.
.	.	0	2	.
.	.	0	4	.
1.73E-01	3.41	3	3	1.73E-01
.	.	0	0	.
.	.	2	2	.
.	.	0	1	.
.	.	1	2	.
.	.	1	2	.
4.08E-01	2.32	1	9	4.59E-01
.	.	2	20	4.46E-01
.	.	2	7	3.27E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	4	7.78E-01
.	.	0	3	.
9.29E-01	0.88	2	12	8.83E-01
.	.	0	1	.
.	.	1	3	.
.	.	2	3	5.15E-01
.	.	0	0	.
.	.	2	9	6.95E-01

ACCEPTED MANUSCRIPT

.	.	1	3	.
.	.	1	3	.
.	.	1	1	.
.	.	2	4	8.46E-01
.	.	2	3	9.38E-01
.	.	0	5	1.82E-01
.	.	2	3	6.71E-01
.	.	13	68	2.99E-01
.	.	1	7	4.80E-01
.	.	3	8	8.55E-01
.	.	3	1	.
.	.	1	4	8.95E-01
.	.	2	12	9.92E-01
.	.	0	5	7.33E-01
.	.	0	8	6.40E-01
.	.	0	0	.
2.06E-01	4.87	3	9	6.86E-01
.	.	1	9	9.31E-01
.	.	7	35	9.71E-01
.	.	10	44	5.38E-01
.	.	10	42	3.47E-01
.	.	3	34	6.54E-02
.	.	8	47	5.13E-01
.	.	7	25	1.44E-01
.	.	16	56	1.10E-01
.	.	28	161	4.05E-01
.	.	20	91	8.42E-01
5.08E-01	2.30	34	120	2.00E-01
.	.	6	24	8.90E-01
.	.	4	30	2.13E-01
.	.	0	14	1.03E-01
.	.	1	6	8.46E-01
.	.	8	34	6.57E-01
.	.	14	59	4.66E-01
.	.	6	19	6.14E-01
.	.	1	5	8.13E-01
.	.	1	14	1.66E-01
.	.	0	3	.
.	.	4	4	6.14E-02
.	.	1	4	6.82E-01
.	.	0	5	9.37E-01

.	.	1	6	8.51E-01
.	.	2	3	7.43E-02
.	.	4	2	4.57E-02
.	.	11	59	8.14E-01
.	.	3	2	3.99E-01
.	.	1	4	8.11E-01
.	.	1	5	6.41E-01
.	.	2	4	1.38E-01
.	.	0	9	1.42E-01
.	.	7	36	5.67E-01
2.34E-01	0.18	0	6	2.34E-01
.	.	2	9	9.98E-01
.	.	0	1	.
.	.	0	3	.
.	.	0	0	.
.	.	1	7	8.76E-01
.	.	0	0	.
.	.	8	29	9.57E-01
.	.	2	6	9.08E-01
.	.	0	4	.
.	.	0	2	.
3.92E-01	1.96	5	13	3.15E-01
.	.	1	16	5.80E-01
.	.	0	2	.
8.93E-01	1.04	1	21	2.04E-01
4.08E-01	2.62	1	5	4.85E-01
.	.	1	2	.
.	.	0	2	.
.	.	2	5	8.80E-01
.	.	1	1	.
.	.	0	3	.
.	.	1	2	.
.	.	0	4	.
.	.	3	3	1.51E-01
.	.	3	8	1.98E-01
.	.	4	9	5.06E-01
.	.	0	0	.
.	.	1	3	.
.	.	0	3	.
.	.	0	1	.
.	.	9	28	9.37E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	5	14	8.64E-02
.	.	7	45	4.10E-01
.	.	1	7	4.79E-01
.	.	2	13	5.40E-01
.	.	5	12	6.69E-02
.	.	34	157	5.66E-01
.	.	12	39	1.30E-01
.	.	0	4	.
.	.	1	5	6.56E-01
.	.	2	3	8.13E-02
.	.	3	18	9.00E-01
.	.	13	40	6.40E-01
.	.	10	37	1.03E-01
.	.	3	24	5.12E-01
2.19E-01	2.42	18	42	1.69E-01
.	.	4	17	4.00E-01
.	.	4	35	1.57E-01
.	.	15	53	2.39E-01
.	.	5	19	1.34E-01
4.12E-01	2.01	15	25	6.63E-03
.	.	1	33	7.90E-03
.	.	1	14	5.27E-01
3.95E-01	0.52	11	54	5.75E-01
.	.	2	3	6.92E-01
.	.	2	12	9.17E-01
.	.	0	0	.
.	.	2	14	9.20E-01
.	.	3	18	4.11E-01
7.00E-01	0.81	7	34	6.54E-01
.	.	1	4	9.38E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	4	.
.	.	3	11	4.10E-01
.	.	2	3	3.52E-01
.	.	4	13	7.33E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
2.04E-01	0.41	4	23	3.42E-01

.	.	0	0	.
9.61E-01	1.03	14	57	8.94E-01
4.63E-01	0.65	5	27	4.63E-01
.	.	1	13	3.62E-01
.	.	2	9	8.85E-01
.	.	1	6	8.40E-01
.	.	3	11	7.09E-01
.	.	5	7	3.39E-01
8.94E-01	0.91	5	32	4.65E-01
.	.	0	1	.
.	.	3	15	1.36E-01
.	.	1	1	.
.	.	2	6	6.96E-01
.	.	1	1	.
.	.	1	3	.
.	.	1	5	4.87E-01
.	.	4	7	9.97E-01
.	.	14	52	7.05E-01
.	.	0	2	.
.	.	4	10	7.57E-01
.	.	0	2	.
.	.	0	4	.
.	.	1	4	2.71E-01
.	.	1	5	5.87E-01
2.12E-02	5.82	4	5	4.53E-02
.	.	0	8	6.22E-01
.	.	1	3	.
5.59E-01	0.80	3	29	5.59E-01
.	.	0	0	.
.	.	3	6	5.59E-01
9.35E-01	0.94	5	32	3.06E-01
.	.	7	8	3.49E-03
.	.	6	14	4.10E-01
.	.	0	0	.
.	.	0	3	.
.	.	0	3	.
.	.	6	29	6.53E-01
.	.	2	4	5.90E-01
.	.	5	18	9.58E-01
.	.	0	4	.
.	.	4	6	4.99E-01

ACCEPTED MANUSCRIPT

.	.	12	50	9.25E-01
.	.	2	15	5.49E-01
.	.	0	2	.
1.72E-01	0.20	2	29	2.98E-02
.	.	9	15	1.38E-01
.	.	1	10	2.77E-01
.	.	1	6	5.18E-01
.	.	5	14	4.26E-01
.	.	1	9	4.00E-01
.	.	6	23	6.87E-01
.	.	0	15	1.10E-01
.	.	0	1	.
.	.	1	2	.
.	.	5	10	4.36E-01
9.79E-01	1.04	3	12	2.35E-01
.	.	1	7	9.45E-01
.	.	5	37	1.32E-01
1.61E-02	6.44	6	26	2.77E-01
3.51E-01	0.44	2	11	3.51E-01
.	.	3	6	4.12E-01
.	.	1	0	.
.	.	2	3	3.65E-01
.	.	7	19	1.80E-01
.	.	3	7	1.92E-01
.	.	4	17	4.34E-01
.	.	1	10	7.41E-01
.	.	0	1	.
.	.	2	4	4.03E-01
.	.	6	39	1.99E-01
.	.	2	9	9.57E-01
.	.	3	20	4.49E-01
.	.	2	6	8.46E-01
8.19E-01	1.28	2	6	8.19E-01
.	.	3	10	7.46E-01
7.30E-01	0.80	5	23	7.30E-01
.	.	0	1	.
.	.	0	1	.
.	.	1	9	7.31E-01
3.97E-01	0.36	3	11	4.02E-01
.	.	0	1	.
.	.	3	20	8.36E-01

.	.	2	11	9.62E-01
.	.	2	15	6.02E-01
.	.	1	1	.
.	.	0	0	.
.	.	1	5	4.83E-01
.	.	0	2	.
.	.	0	3	.
.	.	1	2	.
.	.	0	6	5.13E-01
.	.	0	3	.
1.46E-01	3.71	3	11	2.51E-01
.	.	3	10	9.33E-01
.	.	2	13	2.15E-01
.	.	0	1	.
.	.	3	22	9.91E-01
.	.	0	9	1.23E-01
.	.	5	9	7.92E-01
2.66E-01	2.88	4	13	8.16E-01
.	.	0	2	.
8.89E-01	1.18	11	46	4.44E-01
.	.	1	5	7.58E-01
.	.	4	11	5.09E-01
4.77E-01	0.38	0	11	1.21E-01
.	.	1	3	.
8.14E-01	0.67	3	7	5.26E-01
.	.	2	1	.
.	.	5	30	9.33E-01
.	.	4	25	3.98E-01
.	.	0	2	.
.	.	1	7	7.13E-01
.	.	1	9	9.79E-01
.	.	1	8	7.22E-01
.	.	2	14	9.18E-01
.	.	3	9	5.94E-01
.	.	0	2	.
.	.	0	0	.
7.59E-01	0.77	7	31	8.06E-01
.	.	0	2	.
.	.	0	5	5.00E-01
.	.	3	3	2.03E-02
8.00E-01	1.39	1	10	9.43E-01

.	.	0	1	.
.	.	0	4	.
.	.	0	6	4.91E-01
6.72E-01	0.73	6	32	3.59E-01
5.57E-01	1.77	6	27	9.73E-02
9.51E-01	1.07	6	24	3.79E-01
.	.	0	1	.
.	.	5	9	7.81E-02
8.19E-01	0.85	6	19	5.37E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	9	1.65E-01
.	.	3	1	.
.	.	0	0	.
3.55E-01	3.80	4	23	6.38E-01
.	.	1	5	3.58E-01
7.53E-02	0.43	4	25	7.18E-02
.	.	1	1	.
.	.	1	0	.
.	.	3	9	9.50E-01
.	.	5	18	9.74E-01
.	.	0	2	.
5.65E-01	1.40	8	15	5.77E-01
.	.	0	1	.
.	.	1	9	4.71E-01
.	.	2	22	4.32E-01
.	.	3	26	4.34E-01
.	.	0	0	.
.	.	1	2	.
.	.	0	2	.
.	.	2	15	1.06E-01
.	.	0	5	5.77E-01
.	.	0	0	.
.	.	1	13	9.03E-02
.	.	6	21	9.59E-01
.	.	1	1	.
9.53E-01	1.03	5	14	9.88E-01
.	.	0	3	.
.	.	1	13	1.17E-01
.	.	0	4	.
.	.	1	12	9.49E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	2	16	8.94E-01
.	.	4	2	4.33E-02
1.27E-01	1.69	17	66	1.57E-01
2.98E-01	0.25	1	6	7.49E-01
.	.	0	2	.
.	.	0	3	.
3.95E-01	1.46	10	28	3.95E-01
.	.	0	0	.
.	.	2	2	.
.	.	2	0	.
.	.	0	0	.
.	.	2	9	7.28E-01
.	.	0	3	.
4.20E-02	3.68	9	9	2.84E-02
.	.	3	4	4.96E-01
.	.	1	1	.
.	.	4	4	9.80E-02
8.46E-01	0.83	3	16	9.84E-01
.	.	1	4	6.66E-01
.	.	2	13	8.68E-01
.	.	0	6	4.26E-01
.	.	1	1	.
.	.	0	0	.
.	.	7	25	7.95E-01
.	.	3	3	6.92E-03
.	.	1	2	.
.	.	4	25	4.86E-01
.	.	18	47	1.88E-02
.	.	0	6	6.04E-01
.	.	3	18	6.27E-01
.	.	2	1	.
.	.	0	3	.
.	.	4	17	7.19E-01
.	.	3	17	8.94E-01
.	.	8	18	3.71E-01
.	.	1	1	.
.	.	1	3	.
.	.	0	1	.
.	.	2	4	2.55E-01
.	.	1	5	5.66E-01
.	.	1	14	1.70E-01

.	.	1	1	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	1	2	.
.	.	0	0	.
.	.	0	1	.
.	.	0	3	.
.	.	2	4	5.01E-01
.	.	1	3	.
.	.	0	0	.
.	.	0	1	.
.	.	1	1	.
.	.	0	0	.
.	.	1	10	8.55E-01
.	.	0	2	.
.	.	0	2	.
.	.	1	3	.
.	.	1	8	4.44E-01
.	.	2	16	4.90E-01
.	.	0	0	.
.	.	3	12	5.74E-01
.	.	1	1	.
.	.	1	0	.
.	.	1	3	.
.	.	1	3	.
.	.	0	1	.
.	.	0	5	9.78E-01
.	.	0	3	.
.	.	0	3	.
.	.	4	5	3.64E-01
.	.	1	4	4.42E-01
.	.	0	3	.
.	.	0	2	.
.	.	0	2	.
.	.	1	0	.

.	.	3	7	1.74E-01
.	.	1	6	8.08E-01
.	.	1	8	7.73E-01
.	.	0	4	.
.	.	0	0	.
6.07E-01	1.67	5	33	1.47E-01
.	.	1	1	.
.	.	0	0	.
.	.	0	2	.
.	.	0	2	.
.	.	0	3	.
.	.	2	3	3.39E-02
.	.	3	12	7.64E-01
.	.	6	19	3.29E-01
.	.	0	3	.
.	.	2	7	9.64E-01
.	.	2	7	9.08E-01
.	.	0	4	.
.	.	0	0	.
.	.	1	13	6.11E-01
5.56E-01	1.25	14	42	5.05E-01
.	.	3	10	6.68E-01
.	.	4	7	5.08E-01
.	.	0	0	.
.	.	3	36	1.13E-01
.	.	8	30	7.54E-01
.	.	1	1	.
.	.	3	3	2.14E-01
.	.	0	1	.
.	.	1	4	6.26E-01
2.60E-01	3.09	3	5	2.60E-01
.	.	0	0	.
.	.	0	4	.
3.56E-01	0.36	4	18	1.44E-01
.	.	3	15	9.00E-01
.	.	0	1	.
3.27E-01	1.87	4	14	3.27E-01
.	.	0	2	.
.	.	0	0	.
.	.	1	0	.
.	.	0	2	.

.	.	0	0	.
.	.	2	1	.
.	.	0	0	.
3.03E-01	3.18	5	24	9.54E-01
.	.	0	0	.
.	.	4	12	7.01E-01
.	.	0	1	.
.	.	0	25	3.74E-02
.	.	7	33	9.06E-01
.	.	2	5	9.74E-01
.	.	11	26	2.16E-01
.	.	1	18	4.05E-01
.	.	3	3	2.03E-01
.	.	0	2	.
.	.	0	1	.
.	.	0	1	.
.	.	0	2	.
.	.	1	0	.
.	.	0	1	.
.	.	1	5	8.42E-02
.	.	1	6	6.73E-01
.	.	2	1	.
.	.	2	4	8.55E-01
.	.	0	3	.
.	.	3	5	3.68E-01
3.44E-01	1.64	13	35	8.15E-01
.	.	4	11	9.70E-01
.	.	0	6	4.18E-01
.	.	0	0	.
.	.	0	0	.
6.98E-01	1.31	2	27	9.81E-01
.	.	2	11	9.18E-01
.	.	1	5	4.32E-01
.	.	1	4	9.76E-01
.	.	1	2	.
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	1	3	.
.	.	0	5	9.64E-01
.	.	0	0	.

ACCEPTED MANUSCRIPT

5.39E-01	0.55	1	9	5.39E-01
.	.	0	1	.
.	.	1	5	7.92E-01
8.78E-01	0.95	4	36	7.74E-01
.	.	0	0	.
.	.	1	5	5.56E-01
.	.	0	1	.
.	.	1	2	.
.	.	0	0	.
.	.	1	0	.
.	.	4	21	9.12E-01
.	.	0	0	.
.	.	2	2	.
.	.	0	1	.
.	.	0	1	.
.	.	2	0	.
.	.	2	7	7.59E-01
.	.	3	9	9.58E-01
.	.	2	13	5.53E-01
.	.	0	0	.
.	.	1	1	.
.	.	11	41	7.42E-01
.	.	0	1	.
.	.	2	6	6.01E-01
.	.	1	3	.
.	.	3	7	4.88E-01
.	.	2	3	7.08E-01
.	.	0	1	.
.	.	1	2	.
.	.	1	6	8.48E-01
.	.	0	3	.
.	.	2	1	.
.	.	1	5	4.41E-01
.	.	0	1	.
.	.	0	2	.
.	.	0	3	.
.	.	4	12	8.23E-01
.	.	5	22	4.90E-01
1.33E-01	0.24	7	44	3.87E-01
.	.	2	3	8.03E-01
.	.	1	8	7.82E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	0	.
.	.	0	6	9.64E-01
.	.	5	23	4.25E-01
.	.	2	7	9.02E-01
.	.	0	3	.
.	.	1	4	6.52E-01
.	.	1	8	7.13E-01
.	.	0	3	.
.	.	3	8	4.21E-01
.	.	0	2	.
.	.	1	1	.
.	.	0	7	7.98E-01
.	.	6	38	5.52E-02
.	.	2	3	2.14E-01
.	.	8	7	1.52E-01
.	.	2	10	4.60E-01
.	.	7	25	6.02E-01
.	.	6	18	6.92E-01
.	.	7	29	1.00E+00
.	.	1	9	8.02E-01
.	.	1	10	6.55E-01
.	.	2	15	1.66E-01
.	.	1	2	.
.	.	0	6	1.98E-01
.	.	0	10	4.37E-01
.	.	20	110	4.86E-01
.	.	2	13	8.51E-01
3.98E-01	0.32	0	6	3.87E-01
.	.	6	26	8.07E-01
.	.	6	20	1.49E-01
.	.	4	36	9.66E-02
.	.	0	8	4.91E-01
.	.	3	11	6.26E-01
.	.	10	25	2.22E-01
.	.	2	4	6.94E-01
.	.	9	43	7.63E-01
.	.	14	52	9.73E-01
.	.	5	8	3.86E-01
3.12E-01	1.82	15	34	6.77E-02
.	.	6	23	8.43E-01
.	.	1	6	8.17E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	3	.
.	.	1	1	.
.	.	0	15	1.05E-02
4.56E-01	0.60	3	10	5.50E-01
.	.	2	15	6.91E-01
.	.	1	5	7.59E-01
.	.	13	40	2.91E-01
.	.	3	3	5.16E-01
3.48E-01	2.89	4	8	5.68E-01
.	.	5	9	3.45E-01
.	.	3	7	1.88E-01
.	.	2	6	4.56E-01
.	.	5	9	1.93E-01
.	.	0	0	.
.	.	0	7	2.65E-01
.	.	1	10	4.24E-01
.	.	1	11	4.75E-01
.	.	2	7	8.24E-01
.	.	0	1	.
.	.	0	2	.
.	.	1	3	.
.	.	3	6	6.04E-01
.	.	1	9	2.59E-01
.	.	3	5	2.95E-01
.	.	2	3	7.15E-01
.	.	3	5	1.68E-01
.	.	2	25	3.02E-01
.	.	1	2	.
.	.	0	2	.
.	.	0	3	.
.	.	1	1	.
.	.	0	3	.
.	.	1	4	5.88E-01
5.37E-01	1.95	4	20	6.13E-01
.	.	0	1	.
.	.	1	8	3.75E-01
.	.	0	4	.
.	.	0	3	.
.	.	5	6	7.98E-03
.	.	0	2	.
.	.	7	32	8.99E-01

.	.	0	6	9.06E-01
.	.	4	18	7.22E-01
.	.	3	3	5.13E-01
.	.	1	6	7.55E-01
.	.	0	0	.
.	.	1	2	.
.	.	0	1	.
.	.	1	1	.
.	.	0	0	.
.	.	0	1	.
.	.	0	1	.
.	.	1	0	.
.	.	1	6	4.53E-01
.	.	0	0	.
.	.	2	2	.
.	.	2	22	6.05E-01
.	.	10	49	8.48E-01
.	.	2	14	4.81E-01
.	.	2	3	7.37E-02
.	.	1	4	9.70E-01
8.93E-01	1.05	6	25	9.79E-01
.	.	1	6	5.83E-01
.	.	2	9	6.72E-01
.	.	5	26	9.75E-01
.	.	0	8	4.13E-01
.	.	4	8	4.88E-01
.	.	1	0	.
.	.	0	0	.
.	.	1	5	6.79E-01
5.65E-01	0.81	21	126	2.40E-01
.	.	23	92	7.11E-01
.	.	23	75	2.92E-01
.	.	5	39	9.88E-01
9.62E-01	1.04	2	8	5.88E-01
.	.	0	1	.
.	.	0	2	.
.	.	0	0	.
.	.	0	0	.
.	.	4	32	5.32E-01
8.06E-01	0.80	7	29	3.69E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	1	.
4.80E-01	2.38	2	21	3.32E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	4	.
.	.	1	9	9.14E-01
.	.	1	1	.
.	.	4	10	8.45E-01
.	.	0	1	.
8.49E-01	1.12	5	21	8.49E-01
.	.	10	30	2.88E-01
.	.	2	8	8.68E-01
.	.	1	7	6.91E-01
.	.	0	1	.
.	.	2	19	7.88E-01
.	.	11	38	9.63E-01
3.30E-01	1.89	8	30	8.47E-01
1.78E-01	0.21	9	43	6.42E-01
.	.	9	36	4.33E-01
8.83E-01	1.16	5	18	8.61E-01
.	.	9	50	7.16E-01
.	.	4	15	7.15E-01
4.09E-02	0.06	0	9	3.86E-02
5.57E-01	0.59	32	97	5.46E-01
.	.	11	30	2.10E-01
.	.	2	10	8.82E-01
.	.	14	77	5.05E-01
.	.	1	4	1.49E-01
.	.	2	15	4.45E-01
.	.	0	2	.
.	.	1	1	.
.	.	1	6	3.41E-01
.	.	2	3	2.70E-01
.	.	5	14	1.05E-01
.	.	0	3	.
.	.	4	14	3.46E-01
.	.	2	7	9.34E-01
.	.	3	11	6.21E-01
.	.	1	1	.
6.89E-01	2.04	1	5	7.07E-01

ACCEPTED MANUSCRIPT

7.78E-03	0.04	6	40	1.05E-01
6.99E-01	1.39	5	13	4.62E-01
.	.	3	13	9.86E-01
.	.	0	2	.
.	.	0	0	.
.	.	7	27	9.39E-01
.	.	1	3	.
.	.	2	5	4.00E-01
.	.	2	13	7.13E-01
.	.	5	30	6.82E-01
.	.	1	5	2.90E-01
5.20E-01	0.40	1	11	7.24E-01
.	.	3	12	5.15E-01
.	.	2	20	5.10E-01
.	.	3	3	6.38E-01
.	.	3	7	8.72E-01
.	.	0	9	7.74E-02
.	.	4	4	3.73E-01
1.32E-01	3.22	7	15	3.59E-01
.	.	1	15	3.78E-01
.	.	0	7	6.09E-01
.	.	0	2	.
7.06E-01	1.44	3	11	8.36E-01
.	.	1	3	.
6.28E-01	1.64	3	11	1.22E-01
.	.	0	1	.
.	.	1	3	.
.	.	8	44	7.61E-01
.	.	3	20	5.13E-01
.	.	1	6	9.14E-01
7.61E-01	0.83	25	114	8.17E-01
.	.	6	20	8.89E-01
.	.	1	2	.
.	.	0	3	.
.	.	6	33	6.32E-01
9.37E-01	0.90	2	10	7.96E-01
6.34E-01	0.64	1	17	3.85E-01
7.37E-01	0.68	1	10	3.35E-01
.	.	3	16	1.97E-01
.	.	0	7	7.08E-01
.	.	0	1	.

ACCEPTED MANUSCRIPT

8.01E-01	0.87	2	17	7.90E-01
.	.	0	4	.
.	.	0	2	.
.	.	2	2	.
.	.	9	44	5.85E-01
3.89E-01	0.41	2	4	3.89E-01
6.57E-01	1.43	5	14	1.82E-01
.	.	0	0	.
5.20E-01	1.36	16	60	8.58E-01
.	.	18	58	8.70E-01
.	.	0	1	.
1.61E-01	2.13	37	165	3.94E-01
.	.	10	50	4.44E-01
.	.	15	53	3.57E-01
.	.	2	12	6.87E-01
.	.	0	1	.
4.39E-01	2.26	3	4	4.12E-01
.	.	1	3	.
6.83E-01	0.66	4	21	7.28E-01
.	.	2	8	4.01E-01
.	.	1	7	3.35E-01
.	.	3	9	8.68E-01
.	.	4	23	4.35E-01
.	.	0	0	.
.	.	7	32	8.04E-01
.	.	3	1	.
.	.	0	17	8.29E-02
.	.	0	1	.
.	.	3	14	2.92E-01
9.58E-01	0.93	4	26	3.82E-01
.	.	8	45	1.11E-01
.	.	7	21	4.20E-01
.	.	1	7	5.00E-01
.	.	10	45	6.82E-01
.	.	8	31	5.24E-01
.	.	20	98	9.88E-01
.	.	7	23	7.58E-01
.	.	18	43	9.02E-02
.	.	2	10	6.20E-01
.	.	2	4	4.72E-02
.	.	1	18	1.34E-01

.	.	1	9	3.88E-01
.	.	1	7	6.15E-01
.	.	1	0	.
.	.	0	3	.
.	.	1	11	1.29E-01
.	.	0	1	.
9.25E-01	0.91	2	24	5.41E-01
.	.	0	1	.
.	.	0	0	.
8.75E-01	0.95	8	34	9.37E-01
.	.	0	3	.
.	.	1	16	6.29E-01
.	.	10	34	5.05E-01
.	.	3	8	3.74E-01
.	.	2	12	9.39E-01
.	.	0	1	.
.	.	3	5	2.13E-01
9.92E-01	0.99	3	14	7.77E-01
.	.	0	10	6.18E-01
.	.	1	2	.
.	.	0	2	.
.	.	1	4	6.03E-01
.	.	1	14	1.92E-01
.	.	0	2	.
7.03E-01	0.76	5	21	5.10E-01
.	.	0	14	6.51E-01
.	.	1	9	6.05E-01
.	.	3	3	3.14E-01
.	.	0	0	.
.	.	6	10	7.06E-01
.	.	1	6	5.80E-01
.	.	1	0	.
.	.	0	1	.
.	.	0	5	6.38E-01
.	.	0	2	.
.	.	4	8	8.96E-02
.	.	3	16	5.14E-01
.	.	3	11	2.53E-01
.	.	2	8	6.29E-01
.	.	2	12	6.11E-01
.	.	3	24	4.04E-01

.	.	4	8	3.37E-01
8.34E-01	1.39	2	23	4.89E-01
.	.	5	11	7.15E-02
.	.	2	8	7.86E-01
.	.	2	12	8.62E-01
.	.	8	22	9.95E-01
.	.	3	23	5.82E-01
.	.	7	52	1.83E-01
.	.	10	31	9.80E-01
8.39E-01	0.84	11	57	1.78E-01
.	.	0	4	.
.	.	0	3	.
.	.	1	7	7.78E-01
.	.	3	6	7.05E-01
.	.	1	7	5.90E-01
.	.	1	5	8.48E-01
.	.	0	2	.
.	.	6	16	8.77E-01
.	.	3	11	1.29E-01
.	.	10	39	4.87E-01
8.90E-01	1.17	0	14	3.59E-01
.	.	13	20	8.28E-04
.	.	7	41	7.24E-01
.	.	0	5	9.93E-01
.	.	0	6	7.63E-01
.	.	2	3	6.61E-01
.	.	6	27	6.79E-01
.	.	1	2	.
.	.	0	0	.
.	.	1	7	9.08E-01
.	.	4	14	3.24E-01
.	.	0	1	.
.	.	0	5	5.88E-01
.	.	2	2	.
.	.	6	33	6.53E-01
.	.	4	22	5.03E-01
.	.	6	12	3.45E-01
8.29E-01	0.81	5	8	5.58E-01
.	.	1	10	7.33E-01
.	.	1	22	2.22E-01
.	.	9	13	1.04E-01

.	.	4	8	3.34E-01
.	.	2	4	5.14E-01
.	.	0	3	.
.	.	0	1	.
.	.	1	4	4.68E-01
.	.	0	3	.
.	.	4	12	5.37E-01
.	.	1	5	9.57E-01
.	.	0	6	6.12E-01
.	.	2	0	.
.	.	2	17	2.99E-01
.	.	5	10	4.30E-01
9.64E-01	0.95	11	47	2.29E-01
.	.	3	6	6.94E-02
.	.	0	7	7.21E-02
.	.	1	3	.
.	.	1	3	.
.	.	1	0	.
.	.	0	9	7.23E-01
.	.	8	32	7.90E-01
.	.	3	2	2.53E-02
.	.	0	6	8.43E-01
.	.	2	5	2.01E-02
9.25E-01	0.90	14	80	3.79E-01
.	.	15	41	2.03E-01
.	.	2	7	5.91E-01
.	.	8	33	5.68E-01
.	.	7	18	6.17E-01
5.32E-01	2.02	3	25	4.26E-01
.	.	5	29	4.26E-01
.	.	3	8	3.15E-01
.	.	2	7	6.05E-01
.	.	2	0	.
.	.	2	11	8.92E-01
.	.	1	4	7.40E-01
.	.	0	6	6.29E-02
.	.	1	4	1.02E-01
.	.	2	4	6.58E-01
.	.	4	13	2.31E-01
.	.	1	10	5.60E-01
.	.	6	40	9.04E-01

.	.	1	4	7.14E-01
.	.	9	58	3.64E-01
.	.	0	8	4.24E-02
.	.	2	10	9.54E-01
.	.	3	12	9.96E-01
.	.	6	4	9.85E-03
.	.	6	18	5.94E-01
.	.	4	22	8.13E-01
.	.	2	4	5.60E-01
1.45E-01	0.29	1	11	4.39E-02
.	.	0	0	.
.	.	1	2	.
.	.	3	14	4.79E-01
.	.	0	4	.
.	.	0	1	.
.	.	1	2	.
.	.	0	0	.
.	.	1	2	.
.	.	0	3	.
9.15E-01	0.85	0	5	9.15E-01
.	.	0	3	.
.	.	0	0	.
.	.	2	3	7.09E-01
.	.	0	0	.
1.85E-01	2.28	6	19	1.85E-01
.	.	1	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	4	10	2.97E-01
.	.	0	3	.
.	.	1	6	8.01E-01
.	.	11	51	9.77E-01
.	.	3	16	8.83E-01
.	.	0	1	.
4.85E-01	1.27	8	18	2.74E-01
.	.	2	9	7.99E-02
.	.	2	4	2.40E-01
.	.	1	13	4.05E-01
.	.	0	6	5.61E-01

.	.	1	2	.
.	.	3	4	6.86E-02
.	.	5	25	6.41E-01
.	.	0	0	.
.	.	14	49	2.55E-01
.	.	1	9	3.32E-01
.	.	2	19	5.54E-01
.	.	2	5	9.12E-01
.	.	1	17	1.67E-01
.	.	3	12	7.63E-01
.	.	2	17	2.48E-01
.	.	2	3	8.22E-01
.	.	0	3	.
.	.	4	19	7.58E-01
.	.	2	2	.
.	.	0	0	.
.	.	0	3	.
.	.	0	0	.
.	.	2	11	3.20E-01
.	.	7	29	8.84E-01
.	.	2	17	1.15E-01
.	.	0	9	8.59E-01
.	.	3	13	9.78E-01
.	.	0	1	.
.	.	0	12	7.10E-01
.	.	4	16	9.63E-01
.	.	7	40	6.62E-01
.	.	7	28	2.94E-01
3.68E-03	6.47	13	2	4.79E-03
.	.	1	2	.
8.07E-01	1.23	4	9	6.43E-01
.	.	0	1	.
.	.	4	6	1.97E-01
.	.	6	23	2.71E-01
.	.	0	6	2.44E-01
.	.	1	2	.
.	.	4	20	9.16E-01
.	.	1	0	.
.	.	9	38	8.32E-01
.	.	0	1	.
.	.	0	3	.

.	.	0	3	.
.	.	5	29	5.39E-01
.	.	1	0	.
.	.	2	13	5.09E-01
.	.	0	2	.
.	.	0	3	.
.	.	1	3	.
.	.	0	2	.
.	.	0	0	.
.	.	2	6	3.29E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	3	.
.	.	1	2	.
6.42E-01	1.34	12	44	4.10E-01
3.93E-01	2.58	2	16	7.39E-01
.	.	0	10	5.11E-01
.	.	0	0	.
.	.	3	5	2.47E-01
.	.	1	3	.
1.09E-01	3.13	4	13	3.21E-01
.	.	6	30	4.66E-01
.	.	8	20	7.04E-01
.	.	12	50	6.50E-01
6.96E-02	0.14	13	60	8.04E-01
.	.	0	2	.
.	.	2	8	7.94E-01
.	.	1	21	7.88E-02
.	.	3	7	2.39E-01
.	.	0	3	.
.	.	1	2	.
.	.	2	12	5.08E-01
.	.	6	27	6.84E-01
.	.	3	9	4.78E-01
.	.	1	18	5.06E-01
.	.	0	7	5.47E-01
.	.	0	0	.
.	.	0	0	.
.	.	3	7	4.43E-01
.	.	0	1	.
.	.	1	2	.

.	.	1	1	.
.	.	0	3	.
.	.	4	4	1.88E-01
.	.	0	2	.
.	.	1	4	8.46E-01
.	.	0	2	.
.	.	1	2	.
.	.	0	1	.
.	.	0	5	7.22E-01
.	.	0	3	.
.	.	1	6	4.72E-01
.	.	0	2	.
1.57E-01	0.44	3	33	6.41E-02
.	.	3	8	8.80E-01
.	.	8	17	4.23E-01
.	.	2	8	6.74E-01
.	.	7	16	2.94E-01
.	.	3	18	6.43E-01
4.26E-01	0.50	22	80	2.43E-01
.	.	4	12	8.32E-01
.	.	5	30	6.41E-01
.	.	3	19	2.41E-01
.	.	4	12	9.90E-02
1.90E-01	4.36	10	30	2.19E-01
.	.	0	8	1.64E-01
.	.	1	7	8.36E-01
.	.	0	1	.
.	.	1	3	.
.	.	0	0	.
1.36E-01	0.10	4	12	1.57E-01
.	.	1	11	9.47E-01
.	.	5	11	1.90E-01
.	.	9	26	2.25E-01
.	.	11	42	4.55E-01
.	.	1	3	.
.	.	2	3	1.57E-01
.	.	2	13	6.94E-01
.	.	9	25	8.15E-01
.	.	1	5	5.56E-01
.	.	4	5	3.02E-01
.	.	2	6	9.87E-02

ACCEPTED MANUSCRIPT

.	.	1	2	.
.	.	11	48	4.26E-01
.	.	19	78	4.72E-01
.	.	8	54	5.69E-01
.	.	4	28	6.09E-01
.	.	13	80	2.69E-01
7.27E-01	0.75	11	40	5.90E-01
.	.	16	83	3.53E-01
2.47E-01	4.24	10	35	8.35E-01
9.41E-01	1.05	30	78	1.37E-01
.	.	4	12	5.80E-01
.	.	15	35	2.39E-01
.	.	5	31	8.95E-01
6.59E-01	1.61	13	53	7.86E-01
5.29E-01	0.39	6	44	3.06E-01
4.26E-02	8.50	16	61	7.85E-01
3.70E-01	0.58	13	58	7.51E-01
1.74E-01	1.65	19	44	2.89E-02
.	.	3	18	7.21E-01
.	.	17	88	9.34E-01
8.21E-01	1.28	17	55	6.32E-01
.	.	2	36	1.10E-01
.	.	7	35	5.39E-01
.	.	11	27	2.89E-01
.	.	10	52	9.60E-01
.	.	12	55	2.71E-01
.	.	3	10	1.20E-01
.	.	14	65	6.34E-01
.	.	17	61	4.54E-01
.	.	17	90	4.35E-01
.	.	16	54	4.81E-02
.	.	26	65	1.10E-01
.	.	24	86	3.46E-01
2.67E-02	6.54	31	120	9.19E-01
3.11E-01	0.68	23	137	1.30E-01
2.93E-01	2.09	15	62	9.39E-01
.	.	36	120	2.14E-01
.	.	2	14	9.53E-01
.	.	6	28	7.87E-01
5.52E-01	0.55	14	65	7.45E-01
.	.	8	25	5.30E-01

.	.	18	57	5.38E-01
.	.	0	0	.
.	.	1	9	8.05E-01
.	.	3	7	8.43E-01
.	.	11	52	6.74E-01
.	.	6	22	4.73E-01
.	.	6	9	2.31E-01
.	.	4	15	3.03E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	2	.
7.29E-01	0.65	1	4	7.29E-01
.	.	0	0	.
.	.	0	0	.
.	.	1	2	.
.	.	0	1	.
.	.	0	12	4.75E-01
.	.	4	4	2.56E-02
.	.	0	5	1.70E-01
.	.	4	13	2.94E-01
.	.	0	8	5.17E-01
.	.	2	3	2.85E-02
.	.	0	8	5.70E-01
.	.	1	2	.
.	.	0	5	4.87E-01
.	.	0	2	.
.	.	0	1	.
.	.	0	1	.
.	.	1	0	.
.	.	1	0	.
.	.	2	18	2.31E-01
.	.	0	3	.
.	.	2	4	6.71E-01
.	.	2	5	2.15E-01
.	.	3	14	9.25E-01
.	.	1	3	.
3.74E-02	0.06	1	8	1.19E-01
.	.	9	43	6.86E-01
.	.	3	19	5.47E-01
.	.	4	13	9.75E-01
.	.	5	17	2.32E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	7	17	2.60E-01
.	.	2	18	6.13E-01
6.08E-01	1.52	27	120	4.44E-01
.	.	1	5	2.92E-01
.	.	0	3	.
.	.	1	7	9.89E-01
4.10E-01	1.45	5	25	2.65E-01
.	.	0	1	.
.	.	0	5	2.17E-01
.	.	1	4	7.82E-01
2.23E-01	0.37	2	16	1.93E-01
.	.	1	2	.
.	.	2	4	9.76E-01
.	.	9	34	9.84E-01
.	.	7	22	8.56E-01
.	.	2	5	7.20E-01
.	.	0	0	.
5.53E-01	1.68	2	15	9.45E-01
.	.	2	9	9.74E-01
.	.	10	28	3.47E-01
.	.	0	7	7.29E-01
.	.	2	3	3.94E-01
.	.	0	1	.
.	.	2	5	4.37E-01
.	.	1	14	3.97E-01
.	.	0	0	.
.	.	0	8	3.05E-01
.	.	0	3	.
.	.	1	7	7.85E-01
9.61E-01	0.95	3	15	6.52E-01
.	.	2	2	.
.	.	0	9	6.51E-01
.	.	1	10	4.63E-01
.	.	1	5	7.91E-01
5.88E-02	5.25	6	12	2.60E-01
.	.	0	7	8.22E-01
.	.	1	7	5.70E-01
.	.	2	3	3.26E-01
.	.	2	12	3.27E-01
.	.	0	4	.
.	.	1	10	4.23E-01

.	.	1	5	5.93E-01
.	.	0	2	.
.	.	3	4	1.76E-01
.	.	9	28	6.55E-01
.	.	1	4	2.02E-01
.	.	13	44	4.21E-01
6.02E-03	3.17	12	7	3.34E-03
.	.	1	7	3.01E-01
.	.	0	2	.
.	.	2	10	5.71E-01
.	.	0	1	.
.	.	0	3	.
.	.	12	57	7.54E-01
.	.	4	26	6.05E-01
.	.	10	49	9.96E-01
.	.	3	20	4.43E-01
.	.	0	1	.
6.81E-01	3.33	3	32	2.38E-02
.	.	1	8	6.45E-01
.	.	9	46	7.52E-01
1.43E-01	3.61	8	29	5.45E-01
.	.	6	17	7.77E-01
.	.	1	2	.
8.09E-01	1.30	13	70	6.52E-01
.	.	2	3	5.52E-01
9.90E-01	0.99	17	59	3.61E-01
.	.	1	3	.
.	.	3	6	4.96E-02
.	.	1	0	.
.	.	1	30	7.31E-02
8.64E-01	1.17	16	56	3.54E-01
.	.	6	35	1.73E-01
.	.	0	0	.
.	.	4	9	3.27E-01
.	.	0	1	.
.	.	2	1	.
.	.	6	16	1.13E-01
.	.	0	0	.
.	.	0	2	.
8.50E-01	0.86	10	27	7.49E-01
.	.	4	6	7.51E-01

.	.	2	9	4.87E-01
.	.	11	49	5.30E-01
.	.	2	1	.
.	.	0	5	2.57E-01
.	.	0	5	9.81E-01
5.88E-01	0.46	4	23	3.67E-01
.	.	1	6	3.00E-01
.	.	0	5	3.05E-01
.	.	0	4	.
.	.	1	5	4.10E-01
.	.	3	16	8.84E-01
.	.	2	3	4.42E-01
.	.	1	0	.
.	.	0	1	.
.	.	0	0	.
.	.	3	11	6.46E-01
.	.	1	12	3.93E-01
.	.	3	19	8.13E-01
.	.	2	2	.
.	.	0	0	.
.	.	0	3	.
3.27E-03	0.12	1	29	2.58E-03
.	.	0	2	.
.	.	8	48	3.59E-01
3.99E-01	0.41	5	33	1.25E-01
.	.	0	1	.
.	.	6	39	2.58E-01
.	.	0	2	.
.	.	1	5	8.31E-01
.	.	1	2	.
.	.	1	11	5.34E-01
.	.	1	6	6.35E-01
.	.	5	15	1.96E-01
.	.	1	2	.
.	.	1	0	.
.	.	1	8	7.17E-01
.	.	6	16	1.23E-01
.	.	1	5	2.68E-01
.	.	0	3	.
.	.	3	7	2.63E-01
5.11E-01	0.50	8	40	7.81E-01

.	.	2	3	1.21E-01
.	.	5	36	8.07E-01
.	.	2	3	3.28E-01
.	.	2	2	.
.	.	1	21	3.06E-01
.	.	3	5	3.27E-01
.	.	0	3	.
.	.	0	4	.
1.98E-01	3.58	5	8	1.24E-01
.	.	0	2	.
2.84E-01	0.28	7	21	2.89E-01
.	.	0	0	.
.	.	1	7	7.91E-01
.	.	0	7	1.53E-01
.	.	8	29	4.71E-01
6.04E-01	0.71	9	42	9.77E-01
.	.	0	1	.
.	.	3	9	4.27E-01
.	.	11	26	6.20E-03
.	.	0	4	.
5.37E-01	1.41	6	16	5.37E-01
.	.	0	5	7.06E-01
.	.	0	1	.
.	.	9	47	9.55E-01
.	.	5	20	8.91E-01
.	.	6	23	8.47E-01
.	.	1	2	.
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
.	.	2	2	.
.	.	2	3	4.03E-01
.	.	1	5	4.73E-01
.	.	3	15	8.16E-01
.	.	2	5	3.90E-01
3.75E-01	0.36	7	19	6.03E-01
.	.	0	1	.
.	.	0	2	.
.	.	0	2	.
.	.	0	2	.
.	.	0	6	2.82E-02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	3	11	6.35E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	3	.
.	.	1	0	.
9.01E-01	1.04	5	0	9.01E-01
.	.	1	2	.
.	.	1	1	.
.	.	1	3	.
.	.	0	3	.
4.96E-01	3.36	3	3	4.96E-01
5.99E-01	1.48	14	54	9.55E-01
.	.	2	6	3.29E-01
6.74E-01	1.59	6	37	7.24E-01
.	.	0	0	.
.	.	2	1	.
.	.	7	13	5.97E-01
.	.	0	0	.
.	.	1	1	.
.	.	0	3	.
.	.	0	7	2.99E-01
.	.	3	5	2.24E-01
.	.	0	4	.
.	.	0	0	.
.	.	1	0	.
.	.	0	2	.
.	.	0	13	7.15E-02
.	.	1	8	8.40E-01
.	.	1	2	.
.	.	2	6	7.92E-02
.	.	0	3	.
.	.	3	24	6.62E-01
.	.	1	11	6.38E-01
.	.	3	21	1.95E-01
.	.	3	4	4.20E-01
.	.	0	6	4.32E-01
.	.	2	7	3.17E-01
.	.	2	6	3.54E-02
.	.	1	9	9.26E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	4	14	4.60E-01
.	.	7	27	7.09E-01
.	.	3	8	1.99E-01
.	.	1	8	4.52E-01
.	.	0	1	.
.	.	4	25	9.98E-01
.	.	2	3	5.56E-01
.	.	2	7	4.59E-01
.	.	0	3	.
.	.	0	2	.
.	.	2	9	9.89E-01
.	.	1	0	.
8.21E-02	1.82	12	41	1.23E-01
.	.	8	29	5.81E-01
.	.	5	27	7.61E-01
.	.	11	21	3.13E-03
.	.	1	2	.
6.00E-01	2.28	11	22	5.45E-01
.	.	0	1	.
.	.	0	0	.
4.90E-01	1.77	3	37	8.27E-03
.	.	1	2	.
.	.	5	15	6.74E-01
.	.	6	26	3.55E-01
.	.	1	5	4.57E-01
.	.	8	43	6.85E-01
.	.	1	2	.
.	.	12	39	9.33E-01
.	.	10	39	1.94E-01
.	.	4	9	3.62E-01
.	.	6	26	9.59E-01
.	.	2	7	5.63E-01
.	.	3	6	3.37E-01
.	.	0	0	.
.	.	0	2	.
.	.	2	4	2.85E-01
.	.	4	2	6.70E-01
.	.	0	5	8.01E-01
.	.	0	15	1.09E-01
.	.	7	35	5.94E-01
.	.	2	12	7.57E-01

6.31E-01	0.77	5	38	6.24E-01
.	.	2	5	2.50E-01
.	.	0	1	.
.	.	0	3	.
.	.	0	1	.
1.60E-01	2.36	5	19	1.60E-01
5.68E-01	0.53	1	7	5.68E-01
.	.	0	0	.
.	.	6	7	1.53E-02
.	.	0	3	.
.	.	0	2	.
.	.	2	0	.
.	.	0	3	.
.	.	0	0	.
.	.	1	4	5.41E-01
.	.	0	4	.
.	.	0	5	4.46E-01
.	.	0	0	.
.	.	2	4	4.90E-01
.	.	9	23	1.10E-01
.	.	3	19	3.54E-01
.	.	1	6	7.07E-01
.	.	1	5	7.61E-01
.	.	3	12	8.45E-01
.	.	1	10	3.04E-01
.	.	9	14	2.38E-02
.	.	0	3	.
.	.	1	6	4.48E-01
.	.	2	8	7.40E-01
.	.	0	2	.
.	.	2	3	9.37E-01
.	.	4	6	4.81E-02
.	.	0	1	.
.	.	1	2	.
.	.	10	51	8.52E-01
.	.	2	11	2.77E-01
.	.	0	6	7.22E-01
.	.	2	6	9.77E-01
.	.	3	6	9.04E-01
1.32E-01	3.46	17	60	7.03E-01
9.31E-01	0.90	7	24	7.92E-01

1.65E-01	1.98	6	11	2.36E-01
.	.	2	15	7.24E-02
4.57E-03	17.35	18	57	6.61E-01
.	.	2	15	4.96E-01
.	.	1	12	9.55E-01
2.57E-01	0.39	6	29	4.64E-01
.	.	3	12	6.29E-01
.	.	1	7	4.50E-01
.	.	1	1	.
.	.	0	6	1.69E-01
.	.	0	1	.
4.64E-01	2.25	3	3	4.64E-01
7.24E-01	1.61	0	8	9.36E-01
.	.	1	0	.
.	.	0	1	.
.	.	3	4	4.33E-01
6.21E-01	0.68	1	23	1.49E-01
.	.	1	4	8.48E-01
.	.	2	8	6.42E-01
.	.	2	12	3.95E-01
.	.	2	9	2.91E-01
.	.	6	34	2.90E-01
.	.	0	6	9.03E-01
2.57E-01	0.18	8	92	2.19E-03
.	.	1	4	8.91E-01
.	.	1	14	4.67E-01
.	.	1	1	.
.	.	0	1	.
.	.	2	9	9.20E-01
.	.	0	0	.
.	.	1	18	2.30E-01
.	.	0	7	6.03E-01
.	.	6	20	8.03E-01
.	.	0	4	.
.	.	4	11	4.63E-01
.	.	2	21	8.64E-01
.	.	9	43	5.57E-01
.	.	2	15	7.42E-01
.	.	1	3	.
.	.	7	27	4.54E-01
.	.	4	12	2.63E-01

.	.	1	7	6.21E-01
.	.	4	26	6.71E-01
.	.	8	35	5.46E-01
.	.	1	3	.
.	.	1	1	.
.	.	0	4	.
.	.	2	5	6.26E-01
.	.	1	6	8.44E-01
.	.	0	0	.
.	.	0	1	.
5.72E-01	0.57	2	10	7.15E-01
.	.	2	14	7.64E-01
.	.	1	13	5.92E-01
.	.	9	49	3.61E-01
.	.	1	2	.
.	.	2	10	6.09E-01
.	.	1	13	3.57E-01
.	.	0	0	.
.	.	7	30	4.81E-01
.	.	7	27	5.93E-01
.	.	1	2	.
.	.	15	37	2.28E-01
.	.	0	1	.
.	.	5	23	4.66E-01
.	.	3	10	5.47E-01
.	.	0	4	.
.	.	8	19	2.14E-01
.	.	1	0	.
.	.	0	2	.
.	.	1	2	.
.	.	11	29	3.73E-01
.	.	10	36	7.21E-01
.	.	1	6	7.12E-01
5.44E-01	1.41	6	21	5.58E-01
.	.	7	23	6.38E-01
.	.	2	11	6.92E-01
.	.	4	24	7.76E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	3	.
.	.	0	7	7.48E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	8	35	6.59E-01
.	.	0	0	.
.	.	4	27	1.38E-01
.	.	1	15	2.58E-01
.	.	2	12	8.68E-01
.	.	3	3	5.96E-01
.	.	0	5	9.56E-01
.	.	7	26	7.24E-01
.	.	1	5	6.64E-01
.	.	0	1	.
.	.	0	4	.
.	.	5	28	8.97E-01
.	.	1	0	.
.	.	1	16	6.43E-01
.	.	6	24	4.95E-01
.	.	0	0	.
4.46E-01	1.52	2	14	4.46E-01
.	.	0	4	.
.	.	4	18	9.67E-01
.	.	0	3	.
9.14E-01	1.08	5	27	9.42E-01
.	.	0	0	.
.	.	1	7	9.75E-01
.	.	8	34	4.92E-01
.	.	6	28	4.65E-01
8.83E-01	1.23	1	6	8.83E-01
.	.	0	4	.
.	.	0	4	.
.	.	1	4	3.42E-01
9.91E-01	1.01	2	4	9.91E-01
.	.	5	22	5.17E-01
.	.	11	33	4.42E-01
2.01E-01	0.59	24	116	7.46E-01
.	.	0	7	4.05E-01
.	.	0	8	1.01E-01
.	.	1	6	4.77E-01
.	.	1	5	8.14E-01
3.03E-03	5.37	18	60	1.20E-02
.	.	1	3	.
.	.	3	11	4.54E-01
.	.	0	5	8.01E-01

.	.	21	64	2.03E-01
.	.	0	1	.
.	.	0	0	.
.	.	9	50	1.41E-01
4.51E-01	0.72	4	26	5.77E-01
9.43E-01	0.93	1	7	9.08E-01
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.	.	12	44	9.35E-01
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5.94E-01	0.45	0	6	1.63E-01
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.	.	2	10	3.06E-01
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7.00E-01	0.71	1	12	6.19E-01
.	.	0	9	5.56E-01
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.	.	2	4	7.90E-01
.	.	1	8	8.96E-01
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.	.	3	2	6.52E-02
5.14E-01	0.62	2	17	5.14E-01
5.59E-01	1.76	2	6	5.59E-01
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4.94E-01	1.93	2	11	5.76E-01
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.	.	0	5	4.75E-01
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8.54E-01	0.77	4	5	8.47E-01
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4.28E-01	0.46	3	11	5.03E-01
.	.	1	13	3.09E-01
6.23E-01	1.71	4	18	7.30E-01
3.28E-01	0.31	2	7	9.97E-01
2.88E-01	0.29	10	31	6.72E-01
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ACCEPTED MANUSCRIPT

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3.07E-01	1.86	6	20	3.89E-01
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2.60E-01	0.37	4	9	9.26E-01
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.	.	5	30	2.77E-01
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8.43E-01	0.81	3	33	3.41E-02
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4.41E-02	2.14	14	23	1.67E-02
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3.22E-01	3.11	4	10	5.00E-02
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4.76E-01	1.87	12	44	5.97E-01
6.25E-02	10.70	19	29	7.77E-02
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5.99E-01	1.63	3	11	7.78E-01
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.	.	6	9	7.32E-01
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8.25E-01	1.25	17	65	9.47E-01
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6.66E-03	0.06	8	49	4.70E-02
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5.31E-01	0.42	5	23	9.67E-01
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7.99E-01	1.27	35	112	4.45E-01
2.35E-01	3.41	16	58	9.52E-01
.	.	3	15	9.39E-01
5.76E-01	0.85	42	195	2.51E-01
1.08E-01	3.57	40	124	9.01E-03
6.09E-01	0.79	18	64	8.49E-01
4.84E-02	0.26	19	93	1.61E-02
1.33E-01	3.52	31	160	5.38E-01
2.90E-01	2.41	18	89	8.37E-01
9.23E-01	0.96	16	99	9.67E-01
6.04E-01	0.64	26	98	8.64E-01
.	.	22	78	1.72E-01
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5.04E-01	0.38	1	10	8.94E-01
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6.88E-02	6.22	2	3	6.88E-02
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6.39E-01	1.72	1	8	7.53E-01
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9.17E-01	0.93	6	17	7.41E-01
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.	.	3	22	7.84E-01
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4.63E-01	0.65	12	60	7.23E-01
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1.25E-01	0.30	9	63	8.98E-01
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.	.	2	11	4.23E-01
.	.	3	10	4.91E-01
.	.	1	11	5.43E-01
.	.	7	30	8.01E-01
9.54E-02	2.88	13	48	2.12E-01
4.48E-01	0.64	10	56	4.70E-01
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8.99E-02	6.86	10	39	1.73E-01
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4.64E-01	0.39	0	20	3.17E-01
3.14E-01	1.88	11	63	5.40E-01
.	.	2	12	5.25E-01
.	.	5	36	2.76E-01
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2.45E-01	3.49	1	6	2.65E-01
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7.15E-01	0.65	4	10	4.28E-01
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2.97E-02	4.61	6	7	2.97E-02
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.	.	6	32	7.45E-01
5.55E-01	0.42	11	76	2.50E-01
.	.	1	8	7.82E-01
.	.	1	6	3.97E-01
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.	.	7	8	7.72E-04
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1.20E-02	15.48	4	6	7.69E-02
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5.58E-01	1.64	8	33	6.32E-01
4.50E-01	1.67	21	79	4.67E-01
.	.	2	15	1.33E-01
9.85E-01	1.02	2	19	8.60E-01
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5.45E-01	1.62	3	21	9.84E-01
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8.95E-01	0.83	1	22	3.87E-01
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9.64E-01	0.98	9	35	8.43E-01
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.	.	2	4	2.29E-01
6.18E-01	1.47	34	106	1.95E-01
1.85E-01	2.29	7	21	4.77E-01
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9.07E-01	0.87	5	12	3.08E-01
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6.89E-01	0.71	4	33	7.30E-01
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5.79E-01	0.70	8	34	7.22E-01
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.	.	3	11	7.00E-01
2.99E-01	1.96	10	33	5.98E-02
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2.71E-01	0.37	0	15	7.57E-02
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.	.	1	4	4.24E-01
.	.	5	19	9.23E-01
.	.	2	7	3.93E-01
.	.	4	11	1.93E-01
2.65E-01	1.90	9	2	7.42E-02
4.03E-01	0.67	5	38	3.65E-02
.	.	6	9	8.74E-02
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1.34E-01	3.94	3	4	2.13E-01
.	.	0	6	7.47E-01
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7.67E-01	1.16	8	37	8.02E-01
9.04E-01	1.05	18	88	6.07E-01
1.86E-01	3.65	3	19	8.02E-01
.	.	5	27	9.65E-01
.	.	3	11	3.12E-01
.	.	6	15	2.08E-01
.	.	6	34	7.12E-01
8.99E-01	1.12	6	10	2.35E-01
.	.	7	38	6.21E-02
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1.65E-01	4.28	15	43	7.94E-02
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2.56E-01	1.85	9	23	1.98E-01
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.	.	1	8	9.95E-01
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.	.	1	6	5.35E-01
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3.86E-01	1.45	3	23	5.43E-01
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3.72E-01	2.74	4	22	9.67E-01
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.	.	1	11	6.18E-01
9.20E-02	4.39	6	19	1.46E-01
3.31E-02	3.59	9	11	3.31E-02
.	.	1	11	1.36E-01
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2.57E-02	8.43	3	5	6.89E-02
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6.56E-02	10.12	6	10	5.41E-01
8.36E-01	0.74	2	14	7.90E-01
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.	.	0	6	4.82E-01
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8.54E-01	0.83	6	28	7.02E-01
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1.39E-02	5.96	16	75	8.87E-01
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1.03E-01	3.89	9	19	9.53E-04

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3.69E-03	9.88	18	40	5.32E-03
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5.50E-02	5.98	10	45	6.78E-01
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7.50E-01	1.36	3	10	4.21E-01
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1.72E-01	3.89	3	6	4.39E-01
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7.41E-01	0.63	0	11	4.41E-01
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6.92E-01	0.60	1	10	1.35E-01
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9.70E-01	1.04	13	51	5.09E-01
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8.60E-01	1.32	1	17	4.75E-01
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1.65E-01	4.78	22	69	9.38E-02
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3.97E-01	2.12	4	8	7.67E-01
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6.62E-02	0.10	11	40	3.55E-01
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9.28E-01	1.07	30	110	3.59E-01
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5.03E-01	0.42	7	36	8.86E-01
.	.	2	14	7.82E-01
.	.	1	12	7.94E-01
6.75E-01	0.70	1	12	2.40E-01
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.	.	3	30	9.55E-02

ACCEPTED MANUSCRIPT

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6.13E-01	0.78	7	50	2.09E-01
2.76E-01	3.29	1	8	6.56E-01
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6.09E-01	0.49	0	7	5.98E-01
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ACCEPTED MANUSCRIPT

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3.07E-01	2.97	1	6	3.26E-01
3.49E-01	3.22	6	14	1.06E-01
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1.84E-01	3.26	3	7	3.59E-01
8.93E-02	4.41	3	5	1.81E-01
9.82E-01	1.02	2	5	9.82E-01
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2.71E-01	0.50	6	28	2.12E-01
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4.78E-01	0.64	3	26	4.66E-01
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3.22E-01	0.50	2	46	1.11E-01
.	.	0	6	6.82E-01
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.	.	6	13	3.15E-01
7.17E-01	0.74	2	10	7.17E-01
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ACCEPTED MANUSCRIPT

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3.90E-01	1.56	2	12	5.63E-01
.	.	4	16	9.98E-01
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6.40E-01	1.30	4	8	4.91E-01
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ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

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.	.	1	4	2.05E-01
.	.	1	13	2.25E-01
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.	.	3	13	9.81E-01
.	.	3	4	2.38E-01
.	.	2	8	4.26E-01
.	.	2	2	.
.	.	2	7	8.84E-01
1.58E-01	2.57	6	16	2.86E-01
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.	.	0	1	.
.	.	4	25	7.37E-01
.	.	0	7	4.68E-01
.	.	1	9	8.24E-01
.	.	0	6	5.39E-01
.	.	0	0	.
.	.	1	8	9.03E-01
.	.	0	0	.
.	.	1	4	8.82E-01
.	.	0	3	.
.	.	3	9	8.89E-01
.	.	1	1	.
.	.	1	5	8.27E-01
.	.	2	5	5.06E-01
.	.	0	7	7.25E-01
.	.	1	3	.
.	.	1	5	2.74E-01
.	.	3	8	2.43E-01
.	.	3	7	5.55E-01
.	.	2	31	1.02E-01
.	.	3	2	2.13E-02
.	.	7	38	3.13E-01
.	.	1	9	4.80E-01
.	.	4	12	5.56E-01
.	.	0	1	.
.	.	3	3	4.67E-02
.	.	1	3	.
6.33E-01	0.80	8	39	6.33E-01
.	.	1	1	.
5.46E-01	0.54	2	4	5.46E-01

.	.	0	1	.
6.47E-01	0.61	1	8	6.47E-01
.	.	2	20	5.30E-01
.	.	0	1	.
.	.	1	0	.
.	.	0	6	1.55E-01
.	.	2	14	9.32E-01
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.	.	6	10	5.23E-02
.	.	0	0	.
.	.	2	5	2.70E-01
2.85E-01	1.68	9	29	3.56E-01
9.28E-02	0.43	5	35	6.10E-02
.	.	1	3	.
.	.	1	6	4.39E-01
.	.	1	4	5.01E-01
.	.	1	7	4.54E-01
.	.	4	2	2.86E-02
.	.	3	10	9.88E-01
4.60E-01	0.49	7	24	5.57E-01
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.	.	0	1	.
.	.	6	40	4.61E-01
.	.	6	27	6.55E-01
.	.	0	2	.
.	.	5	4	2.87E-01
3.76E-01	2.99	21	53	3.96E-02
8.36E-01	0.74	16	62	4.96E-01
.	.	10	33	9.86E-01
.	.	1	11	6.40E-01
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.	.	1	2	.
.	.	0	5	6.82E-01
.	.	0	3	.
.	.	10	42	5.40E-01
4.67E-01	1.44	8	28	5.15E-01
7.34E-01	1.29	8	30	5.79E-01
4.76E-01	0.38	1	9	9.81E-01
.	.	2	12	4.57E-01

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.	.	15	53	9.41E-01
5.54E-01	3.30	8	22	2.28E-01
.	.	1	2	.
.	.	0	9	7.99E-01
.	.	2	6	8.41E-01
.	.	1	6	9.29E-01
4.98E-01	1.78	2	6	3.20E-01
.	.	6	32	4.74E-01
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9.68E-01	0.98	11	41	5.31E-01
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.	.	22	98	9.84E-01
.	.	13	68	6.27E-01
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.	.	0	5	9.56E-02
.	.	2	14	9.09E-01
.	.	1	5	2.13E-01
.	.	1	3	.
.	.	13	31	1.23E-01
.	.	15	53	2.29E-01
.	.	2	29	8.08E-01
.	.	7	32	8.07E-01
.	.	7	64	1.33E-03
.	.	27	151	1.74E-01
6.86E-01	0.67	31	161	2.98E-01
.	.	0	11	3.40E-01
.	.	5	40	5.56E-02
.	.	5	4	6.09E-02
.	.	7	28	7.72E-01
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.	.	1	6	9.09E-01
.	.	2	21	7.67E-01
.	.	3	13	7.27E-01
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2.06E-01	3.39	7	8	2.80E-01
.	.	0	1	.
.	.	0	7	7.44E-02
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.	.	0	2	.
.	.	2	9	9.11E-01
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.	.	0	3	.
.	.	2	7	7.13E-01
.	.	1	5	9.14E-01
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.	.	0	0	.
.	.	0	6	8.68E-01
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.	.	3	2	3.02E-03
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.	.	2	6	1.06E-01
.	.	4	3	2.74E-03
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.	.	0	2	.
.	.	0	2	.
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.	.	3	4	1.33E-01
.	.	1	5	6.12E-01
.	.	4	14	8.28E-01
.	.	2	11	4.07E-01
.	.	1	7	9.60E-01
.	.	1	5	7.89E-01
.	.	9	23	1.70E-01
.	.	1	1	.
.	.	3	9	3.20E-01
.	.	2	7	8.79E-01
.	.	1	4	4.45E-01
.	.	1	4	9.60E-01
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ACCEPTED MANUSCRIPT

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.	.	1	7	7.56E-01
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.	.	0	1	.
.	.	3	4	4.32E-01
.	.	12	76	1.52E-01
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1.90E-01	0.64	6	47	1.24E-01
1.13E-01	3.90	5	29	5.33E-01
.	.	6	23	2.96E-01
.	.	0	1	.
.	.	0	0	.
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.	.	1	2	.
.	.	3	18	9.31E-01
.	.	0	0	.
.	.	1	0	.
.	.	22	58	6.31E-02
.	.	0	6	3.35E-01
.	.	2	5	8.44E-01
.	.	0	2	.
.	.	0	0	.
5.55E-01	0.47	4	25	5.32E-01
.	.	2	7	8.53E-01
9.18E-01	1.07	6	17	6.29E-01
.	.	0	1	.
.	.	0	0	.
6.51E-01	1.51	1	15	8.04E-01
.	.	0	2	.
.	.	0	2	.
6.66E-01	0.70	3	13	6.66E-01
.	.	1	5	5.32E-01
.	.	1	1	.
.	.	3	11	4.41E-01
.	.	1	7	7.41E-01
.	.	0	1	.
.	.	3	18	2.61E-01
.	.	4	7	1.54E-01
.	.	5	31	8.31E-01
.	.	0	1	.
.	.	7	40	5.56E-01

.	.	0	1	.
3.51E-01	0.40	13	82	6.76E-02
.	.	1	9	1.23E-01
.	.	1	12	7.04E-01
.	.	4	7	8.93E-02
.	.	2	5	8.31E-01
.	.	3	13	8.71E-01
3.03E-01	0.26	0	6	2.96E-01
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.	.	4	9	7.82E-01
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.	.	1	2	.
.	.	6	16	1.51E-01
.	.	1	3	.
.	.	2	8	4.82E-01
.	.	10	26	6.23E-02
.	.	4	18	9.53E-01
.	.	1	9	3.39E-01
.	.	4	21	5.98E-01
.	.	13	47	9.87E-01
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.	.	5	9	2.20E-01
.	.	4	12	7.43E-01
.	.	2	6	7.45E-02
.	.	4	16	4.93E-01
.	.	6	13	8.42E-02
.	.	9	15	1.41E-02
1.30E-01	2.87	5	9	1.30E-01
.	.	0	0	.
.	.	0	1	.
.	.	3	17	4.07E-01
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.	.	0	1	.
.	.	2	5	8.62E-02
.	.	20	35	8.56E-04
.	.	6	19	5.07E-01

.	.	8	24	7.43E-02
.	.	6	19	8.77E-01
.	.	10	22	8.11E-01
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.	.	0	6	3.60E-01
5.39E-01	0.66	8	52	1.85E-01
.	.	5	14	5.69E-01
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.	.	4	18	3.64E-01
.	.	7	23	5.10E-01
.	.	12	19	1.75E-02
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.	.	3	30	1.46E-01
4.11E-01	2.85	5	19	7.19E-01
.	.	2	4	4.52E-01
.	.	2	18	6.25E-01
.	.	8	36	3.07E-01
.	.	1	11	4.68E-01
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.	.	0	2	.
.	.	0	1	.
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.	.	0	1	.
.	.	0	2	.
.	.	0	2	.
.	.	3	23	5.96E-01
.	.	1	0	.
.	.	0	8	2.67E-01
.	.	2	5	4.93E-01
.	.	4	12	5.92E-01
.	.	9	16	7.57E-02
4.63E-01	1.78	4	12	6.07E-01
.	.	1	3	.
.	.	3	2	1.30E-01
.	.	1	10	5.10E-01
.	.	6	37	3.93E-01

8.93E-01	1.14	1	8	8.93E-01
7.93E-01	1.21	0	7	7.93E-01
.	.	2	6	3.52E-01
.	.	8	23	3.28E-01
.	.	26	102	5.36E-01
.	.	27	112	2.01E-01
.	.	3	10	1.67E-01
.	.	6	26	6.78E-01
.	.	8	19	7.00E-02
.	.	1	4	1.23E-01
.	.	2	20	4.16E-01
.	.	10	41	7.36E-01
.	.	0	1	.
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.	.	0	4	.
.	.	4	14	8.33E-01
5.98E-01	0.46	0	5	5.98E-01
.	.	0	0	.
.	.	4	39	3.65E-01
4.23E-01	1.82	7	39	9.82E-01
.	.	6	21	5.67E-01
.	.	3	28	4.19E-01
.	.	3	14	8.95E-01
.	.	14	20	4.48E-03
.	.	7	23	9.35E-01
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8.58E-02	6.14	8	16	8.50E-02
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.	.	19	100	7.28E-01
.	.	8	41	8.07E-01
.	.	2	4	7.38E-01
.	.	0	6	8.71E-01
.	.	1	2	.
.	.	0	5	2.25E-01
8.08E-01	0.88	14	63	9.62E-01
.	.	0	7	1.83E-01
.	.	0	3	.
.	.	0	1	.
7.56E-01	0.73	2	10	8.49E-01
.	.	1	1	.
.	.	1	9	6.63E-01

.	.	1	20	1.36E-01
.	.	0	8	8.55E-01
.	.	0	1	.
.	.	2	7	5.33E-01
.	.	0	1	.
.	.	0	0	.
8.69E-01	1.17	3	8	3.56E-01
.	.	1	3	.
.	.	0	2	.
.	.	1	1	.
.	.	3	4	1.45E-02
.	.	0	0	.
.	.	2	7	5.71E-01
.	.	2	8	5.64E-01
.	.	0	5	6.03E-01
.	.	1	4	4.76E-01
.	.	4	11	8.28E-01
.	.	2	14	6.93E-01
.	.	3	12	5.15E-01
.	.	8	42	1.74E-01
.	.	0	2	.
.	.	5	3	4.58E-03
.	.	6	22	9.79E-01
.	.	1	6	8.44E-01
.	.	2	7	8.95E-01
.	.	13	34	1.70E-01
4.70E-01	0.67	4	27	9.15E-01
.	.	0	2	.
.	.	6	21	3.88E-01
.	.	5	16	2.57E-01
.	.	0	4	.
2.39E-01	2.84	3	14	8.08E-01
.	.	5	24	4.71E-01
.	.	2	4	1.94E-01
.	.	3	14	7.31E-01
.	.	4	9	2.13E-02
.	.	1	9	6.64E-01
.	.	6	24	8.80E-01
.	.	7	32	8.25E-01
.	.	1	17	1.78E-01
.	.	2	4	2.26E-01

ACCEPTED MANUSCRIPT

.	.	2	19	8.04E-01
.	.	4	29	4.29E-01
9.43E-01	0.90	9	55	2.51E-01
.	.	0	0	.
.	.	0	2	.
.	.	0	0	.
.	.	0	3	.
6.71E-01	0.54	25	123	8.10E-01
.	.	10	28	4.55E-02
.	.	11	35	4.28E-01
.	.	1	8	6.24E-01
.	.	0	9	1.16E-01
.	.	4	24	1.75E-01
.	.	1	21	1.50E-01
.	.	9	49	7.53E-01
.	.	14	32	1.42E-01
.	.	4	12	4.92E-01
.	.	2	11	6.54E-01
.	.	1	9	7.63E-01
.	.	7	27	6.12E-01
.	.	1	12	9.39E-01
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.	.	0	0	.
.	.	0	2	.
.	.	3	6	1.37E-01
.	.	10	57	7.86E-01
.	.	4	18	9.03E-01
.	.	0	3	.
6.52E-01	0.69	2	10	6.52E-01
.	.	1	5	7.34E-01
.	.	9	21	9.03E-02
8.48E-01	0.75	2	12	4.99E-01
.	.	4	8	6.33E-01
.	.	0	4	.
.	.	2	14	6.52E-01
.	.	1	7	8.29E-01
.	.	7	15	3.98E-01
8.32E-01	0.82	3	9	5.23E-01
7.22E-03	13.11	5	12	5.73E-02
.	.	0	2	.
.	.	0	0	.

.	.	5	10	1.25E-01
.	.	2	22	5.40E-01
.	.	8	34	6.55E-01
.	.	2	3	4.67E-01
.	.	6	26	5.90E-01
.	.	5	4	6.13E-02
.	.	2	6	6.96E-01
.	.	0	1	.
.	.	2	8	4.81E-01
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.	.	11	49	3.13E-01
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.	.	5	26	9.80E-01
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.	.	2	18	9.34E-01
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.	.	1	21	1.02E-01
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.	.	2	3	3.99E-01
.	.	1	6	8.60E-01
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.	.	1	3	.
.	.	8	31	6.02E-01
.	.	0	4	.
.	.	7	20	3.73E-01
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.	.	0	9	3.06E-01
.	.	1	7	6.59E-01
.	.	2	12	5.81E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

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.	.	5	15	2.41E-01
.	.	2	2	.
.	.	10	29	9.64E-01
.	.	0	5	2.36E-01
.	.	0	8	1.10E-01
.	.	1	2	.
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.	.	1	5	8.26E-01
.	.	5	14	9.32E-01
.	.	8	16	5.21E-02
.	.	0	4	.
.	.	10	25	2.33E-01
.	.	0	3	.
.	.	6	8	2.05E-02
.	.	1	0	.
.	.	1	4	9.68E-01
.	.	0	4	.
8.20E-01	0.84	2	18	4.20E-01
.	.	0	4	.
.	.	0	1	.
.	.	6	18	5.29E-01
.	.	0	11	5.83E-02
.	.	4	8	4.07E-01
.	.	4	20	7.60E-01
.	.	1	0	.
.	.	0	5	4.73E-01
.	.	2	16	2.94E-02
.	.	2	11	7.72E-01
.	.	2	3	2.00E-01
.	.	3	9	2.71E-01
.	.	4	33	3.76E-01
.	.	8	12	1.02E-02
.	.	12	44	6.60E-01
.	.	2	8	4.54E-01
.	.	3	5	4.45E-01
.	.	0	0	.
.	.	1	0	.
.	.	0	5	9.00E-01
.	.	8	58	5.42E-01
.	.	0	2	.

.	.	0	1	.
8.10E-01	0.87	5	32	8.10E-01
.	.	3	6	5.96E-01
.	.	10	26	1.47E-01
.	.	11	23	1.31E-02
.	.	3	10	8.82E-01
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.	.	3	11	3.99E-01
.	.	13	33	2.22E-02
.	.	0	5	1.49E-01
.	.	0	10	9.33E-02
.	.	2	4	2.69E-01
.	.	4	13	5.83E-01
.	.	2	10	9.80E-01
.	.	9	21	5.74E-02
.	.	1	19	7.65E-02
.	.	0	7	3.28E-01
.	.	2	3	3.39E-02
.	.	7	26	7.17E-01
.	.	4	5	4.15E-01
.	.	3	11	9.19E-01
.	.	2	11	4.66E-01
.	.	4	29	4.21E-01
.	.	2	23	8.04E-01
.	.	1	34	6.57E-02
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.	.	1	4	9.55E-01
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.	.	1	1	.
.	.	13	41	1.79E-01
.	.	0	0	.
.	.	2	10	6.75E-01
.	.	3	6	1.27E-01
.	.	1	4	8.12E-01
.	.	5	26	7.80E-01
2.74E-01	0.23	5	43	4.04E-01
.	.	4	7	3.19E-01
9.89E-01	1.01	8	29	9.91E-01
.	.	1	1	.
.	.	12	39	1.17E-01

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.	.	0	5	1.34E-01
.	.	2	11	5.33E-01
.	.	4	29	9.44E-02
.	.	9	33	8.55E-01
.	.	2	5	7.28E-01
.	.	1	0	.
.	.	2	4	3.25E-02
9.58E-02	10.35	3	5	7.14E-01
.	.	0	1	.
.	.	3	30	2.58E-01
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.	.	3	30	2.48E-01
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.	.	0	12	3.93E-01
.	.	1	8	3.65E-01
.	.	1	17	3.52E-01
.	.	2	5	1.64E-01
.	.	1	6	6.02E-01
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.	.	1	8	5.02E-01
.	.	0	0	.
.	.	2	21	3.47E-01
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.	.	0	0	.
.	.	1	6	7.12E-01
.	.	4	21	8.61E-01
.	.	1	8	6.25E-01
.	.	3	7	5.27E-01
.	.	10	20	1.44E-01
.	.	3	4	2.89E-01
9.55E-01	1.06	4	25	4.76E-01
.	.	3	5	9.54E-02
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.	.	0	1	.
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1.25E-01	2.16	12	41	4.37E-01
.	.	4	4	6.76E-01
.	.	4	7	2.29E-01
.	.	1	11	4.29E-01
.	.	1	8	6.84E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	6	18	1.49E-01
9.71E-01	1.04	3	22	9.16E-01
.	.	11	48	8.58E-01
.	.	0	5	3.52E-01
9.00E-01	1.08	3	10	9.25E-01
.	.	3	7	4.01E-01
8.70E-01	1.23	1	6	8.08E-01
.	.	0	2	.
.	.	2	7	3.24E-01
.	.	2	7	8.90E-01
6.97E-01	1.32	9	31	9.89E-01
.	.	3	7	5.74E-01
.	.	0	0	.
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.	.	0	5	9.24E-01
.	.	6	19	2.02E-01
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2.79E-01	0.41	2	16	6.86E-02
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.	.	2	7	5.76E-01
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.	.	2	6	4.57E-01
.	.	3	8	9.60E-01
.	.	2	3	2.95E-01
6.16E-02	8.19	4	3	2.16E-02
.	.	0	5	2.15E-01
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.	.	1	19	1.14E-01
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.	.	2	7	7.00E-01
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.	.	8	46	5.85E-01
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4.87E-01	3.01	3	7	5.32E-01
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.	.	2	14	7.69E-01
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8.52E-01	0.84	1	14	6.49E-01
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.	.	2	14	6.78E-01
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.	.	6	8	7.83E-02
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.	.	3	4	2.10E-01
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ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

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4.95E-01	0.38	1	13	3.92E-01
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.	.	2	3	9.29E-01
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.	.	2	22	3.16E-01
.	.	1	5	5.71E-01
.	.	3	10	6.07E-01
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1.56E-02	3.24	13	48	7.22E-02
.	.	1	12	9.36E-01
.	.	3	11	8.62E-01
.	.	1	5	3.94E-01
.	.	7	34	7.51E-01
.	.	2	16	7.04E-01
3.09E-02	4.22	11	22	1.17E-02
.	.	5	8	4.75E-01
5.34E-01	1.36	10	33	6.29E-01
.	.	2	24	9.42E-01
3.85E-01	2.09	9	43	9.53E-01
.	.	2	12	9.43E-01
.	.	3	8	8.19E-01
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.	.	3	21	4.06E-01
2.20E-01	0.15	0	15	1.37E-01

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.	.	1	11	1.03E-01
2.55E-01	2.37	9	34	8.05E-01
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5.61E-01	1.82	1	5	5.61E-01
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.	.	6	31	6.05E-01
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.	.	5	44	7.03E-02
.	.	6	42	3.79E-01
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.	.	1	4	6.87E-01
.	.	4	12	9.82E-01
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.	.	1	23	2.12E-01
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4.16E-01	1.99	2	8	4.16E-01
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7.96E-01	0.73	7	17	2.76E-01
.	.	2	20	3.00E-01
1.26E-01	0.34	2	21	1.26E-01
.	.	11	24	1.42E-01
.	.	2	8	9.48E-01
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.	.	1	7	5.29E-01
.	.	11	31	9.00E-03
.	.	3	13	7.87E-01
.	.	10	32	9.65E-01
.	.	1	8	5.17E-01
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.	.	3	2	8.72E-02
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.	.	3	4	5.26E-02
.	.	3	11	5.21E-01
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.	.	2	8	4.28E-01
.	.	2	8	8.22E-01
.	.	2	11	9.54E-01
.	.	0	3	.
9.42E-01	1.06	8	27	5.56E-01
7.54E-01	1.74	6	22	9.15E-01
.	.	4	6	4.17E-01
4.76E-01	0.51	3	11	4.65E-01
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.	.	1	5	7.65E-01
7.44E-01	0.62	2	18	7.60E-01
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8.31E-01	1.24	8	66	5.34E-02
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.	.	8	13	4.38E-01
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8.55E-02	2.82	10	32	2.32E-01
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4.67E-01	1.57	11	38	6.03E-01
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.	.	3	23	4.33E-01
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4.81E-01	1.88	9	31	7.78E-01
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.	.	2	8	2.36E-01
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.	.	3	10	1.02E-01
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8.98E-01	0.86	2	16	2.99E-01

9.62E-01	0.95	2	8	9.50E-01
7.92E-01	1.52	9	45	1.72E-01
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.	.	2	5	2.51E-01
.	.	0	6	5.56E-01
.	.	1	10	9.84E-01
.	.	3	16	8.50E-01
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.	.	1	2	.
3.90E-02	0.10	3	20	2.79E-01
.	.	2	13	4.76E-01
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.	.	1	3	.
8.28E-01	1.24	3	18	5.71E-01
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.	.	2	9	2.37E-01
.	.	1	8	6.23E-01
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.	.	0	2	.
.	.	2	6	9.81E-01
9.53E-01	0.98	8	32	9.44E-01
2.40E-01	3.19	2	5	2.40E-01
.	.	0	2	.
.	.	10	30	5.24E-01
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.	.	0	1	.
.	.	1	2	.
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.	.	3	7	1.93E-01
.	.	5	15	4.12E-01

.	.	3	3	1.73E-02
3.53E-01	0.38	1	18	1.95E-01
.	.	1	6	7.65E-01
.	.	6	22	8.12E-01
2.15E-01	0.43	2	29	1.14E-01
9.28E-01	1.15	0	8	8.89E-01
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.	.	2	4	6.34E-01
.	.	7	22	2.49E-01
5.43E-01	2.60	5	10	3.43E-01
6.93E-01	1.61	8	37	9.16E-01
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2.97E-01	2.27	4	10	1.77E-01
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.	.	2	4	1.83E-01
3.97E-01	2.04	11	34	1.00E-01
.	.	0	7	9.03E-01
.	.	0	4	.
.	.	1	7	8.13E-01
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.	.	0	9	4.28E-01
.	.	5	8	5.56E-03
.	.	6	44	9.93E-02
.	.	13	56	6.88E-01
.	.	2	9	3.31E-01
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.	.	0	3	.
.	.	2	10	5.93E-01
.	.	0	3	.
.	.	1	1	.
7.17E-01	1.83	1	14	7.12E-01
.	.	2	5	4.28E-01
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.	.	4	25	6.42E-01
8.15E-01	1.36	9	29	3.72E-01
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.	.	7	41	7.95E-01
.	.	2	7	9.88E-01
.	.	4	28	1.78E-01
.	.	1	10	1.23E-01
1.57E-01	2.82	12	53	7.17E-01
.	.	2	5	7.12E-02
.	.	4	16	2.95E-01
.	.	1	13	2.25E-01
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.	.	3	3	3.02E-01
.	.	1	5	4.75E-01
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5.12E-01	0.42	0	6	5.12E-01
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.	.	1	4	9.67E-01
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4.44E-02	2.36	12	35	1.63E-01

.	.	2	5	7.08E-01
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.	.	4	8	5.83E-02
5.55E-01	1.84	4	10	1.79E-01
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2.31E-01	0.46	4	20	1.80E-01
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.	.	1	8	7.67E-01
.	.	2	4	7.87E-01
8.45E-01	0.88	5	31	9.43E-01
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.	.	1	10	8.33E-01
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7.82E-01	1.55	3	12	2.45E-01
.	.	5	10	3.17E-01
.	.	3	3	2.68E-02
.	.	1	4	3.46E-01
.	.	2	2	.
.	.	3	12	8.79E-01
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.	.	3	15	3.15E-01
.	.	4	3	6.84E-01
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.	.	0	5	8.10E-01
.	.	0	5	8.32E-01
4.68E-02	2.46	12	26	6.38E-02
5.75E-01	0.46	3	17	5.54E-01
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.	.	17	48	1.48E-02
.	.	5	25	9.73E-01
6.88E-01	1.48	8	37	9.82E-01
.	.	0	5	6.99E-01
.	.	1	5	1.87E-01
.	.	1	8	9.83E-01
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.	.	1	1	.
.	.	5	18	7.46E-01
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.	.	5	13	4.40E-01
.	.	11	38	1.54E-01
.	.	1	6	7.75E-01
.	.	4	5	1.33E-02
.	.	1	10	6.21E-01
.	.	5	9	1.16E-01
.	.	8	27	4.77E-01
9.99E-01	1.00	2	16	1.43E-01
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.	.	11	55	2.58E-01
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9.51E-01	0.95	12	71	3.90E-01
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8.65E-01	1.19	3	5	4.06E-01
.	.	3	9	9.03E-01
.	.	16	46	2.01E-01
.	.	0	9	1.69E-01
.	.	1	10	4.19E-01
2.55E-01	0.25	6	47	5.36E-01
1.39E-01	6.44	9	49	9.22E-01
.	.	1	19	7.47E-02
.	.	1	6	4.00E-01
.	.	4	7	1.12E-01
.	.	2	8	7.40E-01
.	.	1	1	.
.	.	0	4	.
.	.	0	6	9.46E-01
.	.	10	33	7.02E-01
.	.	0	4	.
.	.	2	6	7.14E-01
.	.	2	3	1.68E-01
4.96E-01	0.41	2	33	4.31E-01
.	.	1	0	.
.	.	1	10	5.83E-01
.	.	0	1	.
.	.	0	1	.
.	.	2	2	.
1.71E-01	0.19	0	15	1.15E-01
.	.	0	1	.
.	.	0	3	.
.	.	0	1	.
.	.	1	9	7.94E-01
.	.	1	2	.
.	.	0	1	.
.	.	0	11	7.20E-01
.	.	31	2	1.67E-03
4.27E-01	1.43	24	6	2.51E-01
.	.	1	4	1.92E-01
.	.	0	1	.
.	.	1	6	9.64E-01
.	.	0	2	.
.	.	1	12	6.33E-01
.	.	2	2	.
.	.	4	14	8.21E-01

ACCEPTED MANUSCRIPT

.	.	2	6	1.33E-01
.	.	0	2	.
.	.	0	6	8.33E-01
.	.	2	7	9.07E-01
.	.	5	3	1.90E-02
.	.	8	26	7.81E-01
.	.	3	11	8.74E-01
.	.	2	5	7.06E-01
.	.	0	1	.
2.52E-01	2.71	3	8	2.66E-01
.	.	7	14	5.97E-02
.	.	4	9	3.10E-01
.	.	9	36	9.66E-01
.	.	4	16	9.43E-01
.	.	5	17	8.58E-01
.	.	2	9	9.14E-01
.	.	2	4	1.42E-01
.	.	1	8	5.40E-01
.	.	1	1	.
.	.	0	3	.
.	.	0	0	.
.	.	2	10	5.67E-01
.	.	2	7	3.44E-01
.	.	9	29	9.60E-02
.	.	2	35	2.30E-02
.	.	4	18	4.67E-01
8.26E-01	0.81	1	16	5.65E-01
4.28E-01	1.81	12	50	8.62E-01
.	.	4	20	7.38E-01
4.52E-01	2.00	7	26	9.23E-01
2.86E-01	3.33	4	6	4.18E-02
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	4	15	2.00E-01
.	.	1	3	.
.	.	1	7	6.30E-01
4.12E-01	2.18	4	20	7.27E-01
.	.	11	37	3.94E-02
.	.	0	7	4.62E-01
.	.	4	26	9.36E-01

.	.	5	5	7.97E-02
.	.	1	11	4.30E-01
.	.	3	7	9.61E-01
.	.	0	4	.
.	.	11	58	6.72E-01
.	.	13	80	4.72E-01
.	.	0	2	.
.	.	0	4	.
.	.	1	6	8.63E-01
.	.	1	0	.
.	.	6	18	1.05E-01
.	.	7	44	5.88E-01
.	.	0	2	.
.	.	2	13	7.39E-01
.	.	6	11	2.50E-01
.	.	2	3	2.07E-01
.	.	1	6	5.28E-01
.	.	2	5	4.12E-01
.	.	2	6	2.00E-01
.	.	0	2	.
.	.	1	2	.
.	.	3	5	7.78E-01
.	.	0	1	.
.	.	2	4	3.61E-01
.	.	1	4	8.13E-01
.	.	2	12	8.18E-01
.	.	2	6	5.35E-01
7.65E-01	1.34	3	33	3.29E-01
.	.	2	15	5.88E-01
.	.	7	30	9.08E-01
.	.	0	0	.
.	.	0	3	.
.	.	1	3	.
.	.	1	2	.
.	.	4	7	2.66E-01
.	.	3	3	1.82E-01
.	.	0	1	.
.	.	11	29	3.49E-02
.	.	1	10	3.70E-01
.	.	4	15	9.01E-01
7.37E-01	1.11	17	68	8.28E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	2	21	2.85E-01
.	.	3	5	1.91E-01
.	.	2	8	5.93E-01
.	.	5	22	7.47E-01
.	.	4	2	1.96E-01
.	.	3	4	8.40E-02
9.31E-01	1.14	0	9	8.12E-01
.	.	1	1	.
5.76E-01	1.35	5	21	7.84E-01
.	.	2	4	4.29E-01
.	.	0	7	4.66E-02
.	.	0	1	.
.	.	2	5	2.25E-01
.	.	0	4	.
.	.	2	3	9.73E-02
8.95E-01	0.92	3	31	7.28E-01
.	.	0	3	.
.	.	0	0	.
.	.	1	0	.
2.23E-01	2.66	3	9	2.23E-01
.	.	2	11	7.13E-01
.	.	8	45	8.05E-01
.	.	0	1	.
.	.	0	7	7.45E-02
.	.	3	7	1.95E-01
.	.	5	19	4.18E-01
.	.	2	7	1.74E-01
.	.	1	1	.
.	.	0	2	.
.	.	0	0	.
.	.	3	4	4.11E-01
.	.	2	1	.
.	.	2	9	6.81E-01
.	.	0	5	8.27E-01
.	.	2	2	.
.	.	1	4	8.99E-01
.	.	1	1	.
.	.	0	1	.
.	.	0	0	.
.	.	0	10	5.89E-01
5.14E-01	1.85	3	8	3.80E-01

.	.	0	6	5.33E-01
7.18E-01	0.73	2	7	7.18E-01
.	.	1	3	.
.	.	0	0	.
.	.	0	2	.
.	.	2	21	6.10E-01
.	.	0	3	.
.	.	4	18	4.40E-01
.	.	0	2	.
.	.	3	8	7.68E-02
.	.	2	18	4.24E-01
.	.	14	61	8.05E-01
.	.	13	67	6.65E-01
4.63E-02	5.88	3	7	8.74E-02
.	.	7	32	6.38E-01
.	.	7	58	1.52E-01
.	.	1	8	4.22E-01
.	.	0	2	.
.	.	3	11	6.90E-01
.	.	1	1	.
3.73E-01	2.18	37	190	6.98E-01
.	.	4	5	2.04E-01
.	.	1	13	6.83E-01
.	.	0	0	.
3.67E-01	2.14	5	5	1.94E-01
.	.	2	9	9.68E-01
.	.	3	10	6.34E-01
.	.	0	3	.
.	.	3	6	2.69E-01
.	.	3	8	9.47E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	16	2.98E-01
.	.	0	8	4.25E-01
.	.	0	0	.
5.63E-01	1.89	1	11	7.11E-01
.	.	0	0	.
.	.	1	0	.
.	.	0	14	4.12E-01
.	.	8	16	2.08E-02
.	.	0	5	7.25E-01

.	.	0	4	.
.	.	3	17	9.87E-01
.	.	3	12	2.97E-01
.	.	2	11	7.25E-01
.	.	0	8	4.34E-01
.	.	0	2	.
.	.	3	9	7.00E-01
.	.	0	0	.
.	.	3	7	6.18E-01
.	.	0	0	.
.	.	0	0	.
.	.	1	3	.
.	.	0	3	.
.	.	1	11	4.41E-01
.	.	0	7	5.65E-01
.	.	0	2	.
.	.	4	16	8.82E-01
.	.	2	8	3.10E-01
.	.	0	4	.
.	.	4	13	2.65E-01
.	.	3	14	5.96E-01
.	.	4	15	3.30E-01
.	.	2	4	6.43E-01
.	.	0	4	.
.	.	3	9	2.34E-01
.	.	3	6	1.20E-01
.	.	1	2	.
.	.	3	9	1.06E-01
.	.	0	0	.
.	.	0	6	4.39E-01
.	.	2	4	2.57E-01
.	.	1	4	6.86E-01
.	.	0	5	4.78E-01
.	.	3	6	1.69E-01
.	.	2	11	9.12E-01
.	.	1	10	4.66E-01
.	.	1	6	1.55E-01
3.43E-01	0.29	0	15	1.00E-01
.	.	2	3	8.89E-01
.	.	1	4	8.60E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	3	19	9.68E-01
.	.	7	11	1.36E-01
.	.	1	7	6.28E-01
.	.	2	8	9.34E-01
.	.	0	3	.
.	.	0	5	3.56E-01
.	.	2	3	5.43E-02
.	.	0	4	.
.	.	1	5	4.47E-01
.	.	0	4	.
.	.	3	3	1.81E-01
.	.	0	5	2.02E-01
.	.	3	11	3.02E-01
.	.	0	4	.
.	.	2	10	3.99E-01
.	.	5	5	2.51E-01
.	.	1	5	8.57E-01
.	.	1	2	.
.	.	1	8	4.85E-01
.	.	0	0	.
.	.	1	8	7.74E-01
.	.	2	7	5.45E-01
.	.	2	13	8.40E-01
.	.	2	5	5.87E-01
.	.	1	4	7.26E-01
.	.	2	9	8.04E-01
.	.	0	6	4.07E-01
.	.	2	16	5.17E-01
.	.	4	5	3.50E-01
.	.	7	27	4.32E-01
.	.	9	22	2.02E-01
.	.	2	6	9.40E-01
.	.	1	4	8.65E-01
.	.	3	13	7.55E-01
.	.	1	2	.
.	.	16	93	2.81E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	2	.
.	.	0	1	.
.	.	0	2	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

3.57E-01	0.65	2	31	3.09E-01
.	.	0	0	.
.	.	0	7	3.36E-01
.	.	2	6	2.27E-01
5.41E-01	1.34	6	5	8.17E-01
.	.	0	5	7.02E-01
.	.	3	3	2.05E-01
.	.	2	2	.
.	.	0	9	6.29E-02
.	.	1	2	.
.	.	1	7	6.24E-01
.	.	5	13	1.83E-01
.	.	4	9	2.21E-01
.	.	4	17	6.82E-01
.	.	1	6	6.01E-01
.	.	1	2	.
.	.	0	6	3.30E-01
.	.	1	6	9.74E-01
.	.	10	30	8.61E-01
.	.	4	11	4.97E-01
.	.	0	2	.
8.38E-01	0.82	5	22	5.22E-01
.	.	7	55	4.17E-02
.	.	3	16	8.47E-01
.	.	5	23	3.70E-01
.	.	9	38	2.48E-01
.	.	4	14	3.29E-01
.	.	0	1	.
.	.	1	5	3.70E-01
.	.	1	6	9.97E-01
.	.	1	7	7.36E-01
.	.	3	7	6.64E-01
.	.	2	3	1.91E-01
.	.	1	10	3.78E-01
.	.	2	5	6.37E-01
.	.	0	3	.
.	.	0	0	.
.	.	0	2	.
.	.	0	2	.
.	.	2	7	3.51E-01
.	.	1	10	9.57E-01

ACCEPTED MANUSCRIPT

.	.	2	4	1.57E-01
.	.	1	5	6.69E-01
.	.	0	1	.
.	.	0	3	.
.	.	4	15	7.56E-01
.	.	0	1	.
.	.	1	6	8.97E-01
.	.	0	0	.
.	.	3	6	3.04E-01
.	.	0	11	1.16E-02
.	.	0	9	4.00E-02
.	.	2	8	8.68E-01
.	.	1	6	7.06E-01
.	.	1	2	.
.	.	3	5	2.74E-01
.	.	42	165	9.61E-01
.	.	1	10	8.20E-01
.	.	3	5	1.11E-01
.	.	1	3	.
.	.	1	2	.
.	.	0	3	.
.	.	2	14	8.71E-01
.	.	0	2	.
.	.	0	1	.
.	.	0	1	.
.	.	3	3	3.29E-02
.	.	1	5	7.79E-01
.	.	8	40	3.49E-01
.	.	0	1	.
.	.	5	16	1.09E-01
.	.	3	8	3.75E-01
.	.	0	2	.
.	.	2	8	3.52E-01
.	.	3	12	5.85E-01
.	.	6	14	1.19E-01
.	.	0	2	.
.	.	0	4	.
.	.	4	7	5.02E-02
4.51E-01	2.39	3	22	6.54E-01
.	.	8	42	2.37E-01
.	.	2	12	5.42E-01

.	.	0	2	.
.	.	1	0	.
.	.	0	1	.
.	.	4	4	4.52E-01
.	.	1	2	.
.	.	1	2	.
.	.	10	21	5.00E-01
2.04E-01	2.28	7	26	2.01E-01
.	.	2	7	6.30E-01
.	.	2	4	3.37E-01
.	.	0	3	.
.	.	1	6	2.22E-01
.	.	0	2	.
.	.	0	4	.
.	.	14	45	7.52E-01
.	.	0	13	4.06E-01
.	.	0	7	3.80E-01
.	.	4	9	3.81E-01
.	.	3	11	8.84E-01
.	.	1	6	7.57E-01
7.18E-01	1.80	0	6	7.91E-01
.	.	3	10	5.59E-01
.	.	0	0	.
.	.	1	1	.
7.67E-01	1.37	1	5	7.67E-01
.	.	0	2	.
.	.	1	7	3.06E-01
.	.	1	1	.
.	.	2	3	4.92E-01
.	.	0	0	.
.	.	1	1	.
.	.	0	3	.
.	.	1	2	.
.	.	2	3	4.92E-01
.	.	2	2	.
.	.	3	6	5.09E-01
.	.	1	5	6.80E-01
.	.	14	35	2.15E-01
.	.	9	47	8.57E-01
.	.	0	9	5.05E-01
.	.	1	0	.

4.82E-01	0.39	1	6	4.82E-01
.	.	1	3	.
.	.	0	0	.
.	.	1	4	9.91E-01
.	.	13	33	4.34E-01
.	.	0	2	.
.	.	1	2	.
.	.	0	8	5.37E-02
.	.	0	4	.
.	.	1	1	.
.	.	0	1	.
.	.	3	4	3.33E-01
6.26E-01	0.64	2	10	5.58E-01
.	.	0	4	.
6.34E-01	0.79	5	37	6.34E-01
6.67E-01	1.17	18	77	4.30E-01
3.14E-01	2.69	9	18	9.65E-02
.	.	2	7	6.12E-01
.	.	1	5	9.80E-01
.	.	0	4	.
.	.	0	14	2.76E-01
9.15E-01	0.91	3	15	3.55E-01
.	.	1	5	6.28E-01
3.40E-02	2.60	13	16	3.40E-02
.	.	1	14	6.83E-01
.	.	0	8	4.92E-01
.	.	1	2	.
.	.	0	1	.
.	.	1	5	6.35E-01
.	.	0	2	.
.	.	0	1	.
.	.	0	0	.
.	.	0	2	.
.	.	0	0	.
.	.	1	6	6.12E-01
.	.	17	58	3.11E-01
.	.	18	53	4.77E-01
.	.	7	29	8.80E-01
.	.	4	24	8.24E-01

ACCEPTED MANUSCRIPT

.	.	1	7	4.91E-01
1.52E-01	0.12	2	15	6.81E-01
.	.	0	8	7.45E-01
.	.	2	5	3.70E-01
.	.	0	3	.
.	.	0	2	.
.	.	4	13	9.60E-02
.	.	1	6	7.75E-01
.	.	4	16	7.02E-01
.	.	2	11	3.74E-01
.	.	4	14	7.66E-01
.	.	9	31	8.38E-01
.	.	1	8	9.67E-01
.	.	11	23	3.45E-01
.	.	1	7	5.14E-01
.	.	0	0	.
.	.	5	23	6.36E-01
.	.	8	24	7.37E-01
.	.	2	2	.
.	.	0	0	.
.	.	5	4	1.79E-01
.	.	0	3	.
.	.	0	4	.
.	.	1	10	7.93E-01
.	.	0	0	.
8.47E-01	1.36	0	5	8.47E-01
.	.	0	0	.
.	.	0	1	.
3.14E-01	0.54	5	35	3.81E-01
9.21E-01	1.12	20	94	9.05E-01
.	.	15	48	8.04E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	3	.
1.39E-01	0.33	14	70	5.98E-01
.	.	0	8	9.04E-01
.	.	9	22	1.39E-01
2.26E-01	1.98	14	59	9.92E-01
.	.	0	0	.
.	.	1	11	4.14E-01
.	.	0	1	.

.	.	0	0	.
.	.	2	4	1.73E-01
.	.	9	54	5.24E-01
.	.	1	9	9.50E-01
.	.	3	16	7.22E-01
.	.	0	0	.
.	.	3	3	1.59E-01
.	.	2	9	8.48E-01
.	.	3	6	3.40E-01
.	.	6	15	4.85E-01
.	.	0	2	.
.	.	1	1	.
.	.	0	0	.
.	.	3	3	3.56E-02
.	.	2	14	7.92E-01
.	.	3	15	7.65E-01
.	.	1	1	.
.	.	0	19	1.57E-01
.	.	0	3	.
.	.	0	1	.
.	.	0	0	.
.	.	5	29	7.39E-01
.	.	1	8	9.45E-01
.	.	0	3	.
.	.	0	1	.
.	.	1	5	5.46E-01
.	.	3	6	1.63E-01
.	.	1	5	8.24E-01
.	.	1	6	9.42E-01
.	.	0	8	5.44E-02
.	.	0	0	.
.	.	1	2	.
.	.	2	6	4.90E-01
.	.	0	0	.
.	.	6	20	6.67E-01
.	.	4	17	8.77E-01
.	.	1	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	3	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	4	.
.	.	0	1	.
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
4.97E-01	1.49	2	6	8.24E-01
.	.	0	0	.
.	.	1	7	5.23E-01
.	.	1	3	.
.	.	0	1	.
3.81E-01	2.55	2	6	4.01E-01
.	.	5	14	4.36E-01
.	.	3	13	3.87E-01
.	.	0	1	.
.	.	5	35	1.91E-01
.	.	0	1	.
.	.	1	0	.
.	.	1	9	4.81E-01
.	.	0	2	.
.	.	0	3	.
.	.	0	2	.
.	.	0	2	.
.	.	0	0	.
.	.	11	36	6.43E-01
.	.	0	0	.
.	.	2	7	6.69E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	7	4.58E-01
.	.	0	1	.
1.46E-01	0.31	1	18	1.46E-01
.	.	1	15	3.03E-01
8.09E-01	1.46	0	6	8.09E-01
.	.	1	0	.
.	.	1	15	9.22E-01
.	.	0	5	3.51E-01
.	.	9	50	7.16E-01
.	.	1	1	.
.	.	1	1	.
.	.	3	6	6.89E-01
.	.	0	1	.

ACCEPTED MANUSCRIPT

.	.	1	0	.
.	.	0	8	5.00E-01
.	.	0	1	.
.	.	2	7	8.97E-01
.	.	7	23	5.10E-01
.	.	1	8	8.41E-01
.	.	0	3	.
.	.	3	11	7.80E-01
.	.	0	0	.
.	.	3	7	6.34E-01
.	.	0	0	.
.	.	0	1	.
.	.	5	22	6.43E-01
.	.	7	20	3.43E-01
.	.	1	7	3.11E-01
.	.	1	1	.
.	.	2	0	.
.	.	0	5	9.57E-01
.	.	3	10	3.72E-01
.	.	2	3	8.91E-01
.	.	1	9	8.56E-01
.	.	0	5	1.06E-02
.	.	0	0	.
.	.	4	20	9.89E-01
.	.	0	2	.
7.90E-01	1.52	4	41	1.42E-01
.	.	3	9	2.25E-01
.	.	0	0	.
.	.	6	32	4.24E-01
.	.	2	25	2.49E-01
.	.	1	2	.
.	.	1	4	9.25E-01
.	.	4	15	9.93E-01
.	.	0	2	.
.	.	8	18	1.33E-01
.	.	1	3	.
.	.	5	12	9.62E-02
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.	.	0	0	.
.	.	0	2	.
.	.	2	7	8.01E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	6	4.73E-01
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1.65E-01	2.66	8	22	2.61E-01
.	.	1	13	2.21E-01
8.85E-01	0.93	8	42	8.06E-01
.	.	14	59	4.24E-01
.	.	1	11	2.52E-01
.	.	3	25	8.65E-01
7.99E-01	1.36	3	32	2.09E-01
.	.	0	0	.
.	.	1	20	4.70E-01
.	.	1	0	.
.	.	3	18	9.09E-01
.	.	0	8	5.06E-01
.	.	0	2	.
.	.	2	21	8.09E-01
.	.	11	43	7.01E-01
.	.	9	28	3.20E-01
.	.	1	4	3.24E-01
.	.	0	1	.
.	.	1	8	1.40E-01
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.	.	0	2	.
.	.	0	3	.
.	.	0	1	.
.	.	3	23	6.93E-01
.	.	0	3	.
5.57E-01	1.93	4	5	2.90E-01
.	.	0	7	8.61E-01
.	.	1	9	4.50E-01
.	.	0	2	.
.	.	2	1	.
1.07E-01	5.72	5	14	5.22E-01
.	.	1	0	.
.	.	1	9	8.83E-01
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.	.	0	6	7.55E-01
.	.	1	6	6.75E-01
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.	.	0	3	.
.	.	4	14	7.38E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

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.	.	19	80	8.79E-01
5.25E-01	0.48	2	19	2.21E-01
2.72E-02	6.20	4	7	4.92E-02
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4.89E-01	0.60	4	18	8.26E-01
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.	.	1	0	.
.	.	2	1	.
.	.	1	4	4.58E-01
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.	.	0	1	.
9.30E-01	1.10	4	15	5.85E-01
.	.	0	8	6.63E-01
.	.	1	10	4.43E-01
7.51E-01	1.38	9	45	8.88E-01
6.11E-01	0.61	2	25	2.30E-01
9.66E-01	1.03	7	39	2.05E-01
.	.	0	14	5.80E-02
6.35E-01	0.60	2	10	7.72E-01
.	.	0	2	.
.	.	4	17	2.82E-01
3.63E-02	0.12	4	21	2.37E-01
.	.	1	12	8.72E-01
.	.	5	20	3.50E-01
.	.	3	22	4.81E-01
.	.	2	5	4.61E-01
.	.	3	18	5.77E-01
.	.	12	48	8.55E-01
.	.	1	13	6.67E-01
.	.	1	5	7.77E-01
.	.	3	5	1.22E-01
.	.	6	32	2.28E-01
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7.49E-02	0.34	3	45	7.40E-02
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.	.	0	5	4.27E-01
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.	.	1	4	9.91E-01
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.	.	2	7	9.23E-01
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.	.	2	11	2.70E-01
.	.	0	2	.
4.70E-01	1.65	4	30	3.11E-01
4.70E-01	1.74	9	26	6.82E-01
.	.	1	14	2.37E-03
.	.	4	25	1.53E-01
.	.	4	15	3.84E-01
.	.	5	9	2.63E-01
.	.	10	42	9.79E-01
2.06E-01	0.18	4	49	2.59E-01
.	.	5	14	3.20E-01
.	.	6	24	2.10E-01
5.39E-01	0.45	3	27	9.09E-01
1.61E-01	0.13	5	24	9.14E-01
.	.	0	12	1.16E-01
.	.	7	34	3.05E-01

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.	.	7	9	1.98E-01
.	.	2	12	6.07E-01
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.	.	9	78	1.27E-01
.	.	5	23	6.89E-01
.	.	7	24	1.47E-01
.	.	9	21	2.24E-01
.	.	1	6	8.10E-01
.	.	3	26	8.20E-01
3.43E-01	2.24	8	22	7.26E-01
6.76E-01	1.54	15	46	2.82E-01
.	.	5	17	9.54E-01
.	.	2	9	6.72E-01
.	.	7	48	6.76E-01
.	.	0	8	4.38E-01
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.	.	1	1	.
.	.	2	4	9.93E-01
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.	.	19	61	6.44E-01
.	.	6	33	8.27E-01
.	.	9	57	6.29E-01
.	.	7	28	2.48E-01
.	.	2	3	1.16E-01
.	.	2	1	.
.	.	1	3	.
.	.	4	31	6.31E-01
.	.	8	34	8.09E-01
2.94E-01	2.92	2	3	2.94E-01
.	.	2	7	3.95E-01
5.16E-01	0.71	1	13	8.76E-01
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.	.	9	25	8.53E-01
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.	.	3	3	2.87E-01
2.17E-01	3.81	2	6	2.34E-01
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9.39E-01	1.08	8	50	4.20E-01
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.	.	0	1	.
.	.	7	28	5.47E-01
7.62E-01	1.37	1	12	6.97E-01
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6.86E-01	0.54	8	22	4.66E-01
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.	.	2	10	7.47E-01
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6.80E-01	0.71	2	9	6.68E-01
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.	.	1	5	7.53E-01
.	.	3	13	7.48E-01
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.	.	7	15	5.24E-01
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.	.	4	15	9.90E-01
.	.	0	6	9.13E-02
2.52E-01	1.96	5	13	5.56E-01
.	.	0	5	7.05E-01
.	.	2	6	7.88E-01
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.	.	2	8	9.58E-01
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.	.	3	3	6.11E-01
6.82E-01	0.75	16	50	3.57E-02
.	.	1	10	6.61E-01
.	.	2	10	9.68E-01
.	.	4	10	3.92E-01
.	.	5	14	7.42E-01
.	.	2	3	2.14E-01
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.	.	0	0	.
.	.	5	8	3.11E-01
.	.	8	34	8.45E-01
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5.30E-01	0.68	6	24	7.07E-01
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.	.	0	5	9.50E-01
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.	.	7	12	1.56E-01
9.93E-01	0.99	0	25	5.83E-03
.	.	2	17	2.18E-01
.	.	5	20	2.41E-01
.	.	2	9	4.05E-01
.	.	2	16	7.76E-01
3.93E-01	1.90	6	12	2.08E-01
.	.	5	26	2.68E-01
.	.	3	12	7.25E-01
.	.	2	13	5.06E-01
.	.	10	62	6.86E-02
.	.	6	17	6.32E-01
6.58E-01	1.55	1	12	4.65E-01
.	.	9	26	2.31E-01
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.	.	0	7	9.74E-01
.	.	1	7	6.52E-01
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4.83E-02	9.78	5	18	1.59E-01
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3.62E-01	2.44	6	10	1.59E-02

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.	.	0	5	5.24E-01
8.36E-01	1.23	2	16	6.06E-01
.	.	1	7	8.32E-01
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.	.	4	27	4.53E-01
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.	.	4	18	7.94E-01
.	.	3	20	9.06E-01
2.05E-01	3.15	2	6	2.18E-01
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.	.	2	8	9.25E-01
.	.	2	8	8.42E-01
2.78E-01	2.01	14	41	1.07E-01
.	.	2	3	3.85E-01
.	.	4	16	1.79E-01
2.37E-01	3.54	6	41	9.44E-01

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.	.	2	17	6.32E-01
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7.37E-01	1.12	0	6	7.37E-01
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9.32E-01	0.90	2	10	6.47E-01
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7.06E-01	1.46	2	8	6.25E-01
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3.19E-01	0.29	1	8	3.19E-01
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.	.	18	57	2.47E-01
6.36E-01	1.68	6	31	7.75E-01
2.14E-01	0.17	16	76	4.91E-01
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.	.	8	38	4.10E-01
9.57E-01	1.04	10	65	1.19E-01
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.	.	5	22	1.71E-01
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.	.	10	28	6.54E-01
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.	.	3	10	3.63E-01
7.69E-02	6.62	6	15	4.63E-01
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.	.	17	61	2.89E-01
.	.	18	78	3.94E-01
5.74E-01	0.45	7	35	9.54E-01
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.	.	5	17	1.16E-01
.	.	0	0	.
.	.	2	4	4.20E-01
.	.	3	12	4.76E-01
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.	.	2	9	4.42E-01
.	.	0	9	2.12E-01
.	.	6	10	1.34E-01
7.20E-01	0.77	5	42	2.79E-01
.	.	11	34	9.43E-01
.	.	1	7	9.64E-01
.	.	3	13	6.10E-01
.	.	3	2	1.58E-01
.	.	3	17	6.29E-01

7.53E-01	1.67	1	5	3.43E-01
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.	.	2	13	9.25E-01
4.24E-01	0.36	5	33	5.25E-01
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.	.	3	13	2.58E-01
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.	.	1	5	5.58E-01
.	.	1	5	9.18E-01
.	.	4	2	2.29E-02
.	.	9	15	1.61E-01
6.80E-01	1.59	7	33	8.57E-01
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.	.	1	5	9.80E-01
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.	.	2	10	2.80E-01
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.	.	1	3	.
.	.	0	4	.
.	.	1	2	.
.	.	0	4	.
.	.	0	1	.
.	.	0	4	.
.	.	0	0	.
.	.	0	0	.
.	.	0	4	.
.	.	3	9	6.74E-01
5.06E-01	2.04	5	18	9.24E-01
.	.	4	16	7.24E-01
.	.	1	12	7.76E-01
.	.	0	8	4.42E-01
.	.	1	6	5.66E-01
.	.	2	8	9.91E-01
.	.	8	33	5.73E-01
.	.	1	9	7.32E-01
.	.	1	5	9.38E-01
.	.	1	9	9.83E-01
.	.	4	17	6.32E-01
.	.	8	19	1.19E-01
.	.	7	8	8.18E-03

.	.	1	6	6.16E-01
.	.	0	6	6.45E-01
.	.	3	3	2.48E-01
.	.	0	6	7.76E-01
.	.	4	18	4.57E-01
.	.	1	8	7.38E-01
.	.	3	16	3.88E-01
.	.	4	19	7.53E-01
.	.	2	2	.
.	.	6	21	6.49E-01
.	.	5	19	9.96E-01
.	.	3	7	2.20E-01
7.81E-01	1.25	4	16	6.78E-01
.	.	1	3	.
.	.	0	3	.
.	.	6	17	6.47E-02
.	.	4	25	6.45E-01
.	.	0	4	.
.	.	0	3	.
.	.	2	11	7.28E-01
.	.	2	6	4.85E-01
.	.	0	4	.
.	.	9	19	1.58E-02
.	.	0	4	.
.	.	3	5	1.75E-01
.	.	0	7	3.29E-01
.	.	1	7	3.69E-01
.	.	2	8	9.78E-01
.	.	4	7	3.15E-01
.	.	5	19	4.06E-01
.	.	10	35	2.21E-01
.	.	5	22	5.53E-01
.	.	3	4	9.89E-02
.	.	6	24	9.92E-01
.	.	0	6	1.31E-01
.	.	0	11	1.26E-01
.	.	3	7	1.57E-01
.	.	0	4	.
.	.	3	6	2.60E-01
9.78E-01	0.96	8	63	6.71E-01
2.33E-01	0.19	0	8	2.33E-01

.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	2	.
.	.	0	0	.
.	.	0	0	.
.	.	2	5	1.74E-01
.	.	6	37	3.31E-01
.	.	10	54	5.14E-01
.	.	24	105	8.15E-01
1.93E-01	2.15	36	157	4.34E-01
.	.	23	69	5.00E-01
.	.	3	18	8.11E-01
.	.	0	5	5.78E-01
.	.	5	7	4.63E-01
.	.	0	0	.
.	.	2	9	9.47E-01
.	.	4	1	4.00E-02
.	.	0	0	.
.	.	1	2	.
.	.	3	11	5.83E-01
.	.	0	4	.
.	.	0	4	.
.	.	0	5	7.96E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	14	2.77E-01
.	.	0	4	.
6.11E-01	1.52	2	8	6.11E-01
.	.	0	3	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	7	4.63E-01
.	.	1	6	9.37E-01
.	.	1	6	2.58E-01
.	.	7	25	1.41E-01
.	.	1	6	3.45E-01
.	.	1	12	8.86E-01
.	.	4	15	6.46E-01
.	.	10	39	3.90E-01

.	.	6	20	4.07E-01
.	.	3	14	5.07E-01
.	.	2	15	1.78E-01
.	.	1	14	6.15E-01
.	.	5	11	1.36E-01
.	.	1	6	5.37E-01
.	.	2	7	9.71E-01
3.32E-01	0.38	3	20	7.30E-02
.	.	2	14	7.31E-01
.	.	1	8	9.30E-01
.	.	6	17	5.46E-01
4.82E-01	0.59	5	14	4.81E-01
1.53E-01	2.75	3	13	6.64E-01
.	.	1	3	.
.	.	4	19	1.65E-01
.	.	1	1	.
.	.	0	1	.
.	.	1	0	.
.	.	5	17	4.72E-01
9.56E-01	1.05	9	38	8.81E-01
.	.	1	3	.
.	.	1	12	9.11E-01
.	.	3	17	6.33E-01
.	.	5	32	7.82E-01
.	.	2	6	5.87E-01
.	.	2	10	5.64E-01
.	.	2	3	4.93E-01
.	.	7	39	1.30E-01
.	.	3	5	1.54E-02
.	.	0	7	4.18E-01
.	.	8	17	1.73E-01
7.41E-01	1.30	6	11	4.69E-01
.	.	1	15	9.78E-01
.	.	6	15	2.81E-01
6.83E-01	0.79	4	49	4.25E-01
.	.	10	43	9.51E-01
.	.	11	70	4.36E-01
.	.	3	7	3.87E-01
.	.	2	7	4.09E-01
6.50E-01	0.75	14	48	6.00E-01
8.21E-01	1.14	5	25	9.04E-01

.	.	5	33	8.83E-01
.	.	1	7	4.96E-01
.	.	13	46	5.43E-01
.	.	0	0	.
.	.	0	2	.
.	.	0	1	.
.	.	1	1	.
.	.	1	2	.
.	.	0	3	.
.	.	1	0	.
.	.	0	1	.
9.63E-01	1.04	3	10	9.63E-01
.	.	0	0	.
3.14E-01	0.28	0	9	8.41E-02
.	.	1	1	.
2.01E-01	3.67	3	6	2.01E-01
.	.	1	0	.
.	.	0	1	.
.	.	0	0	.
1.61E-03	0.03	0	7	1.61E-03
5.17E-02	6.71	3	2	5.17E-02
.	.	1	6	3.07E-01
.	.	5	8	3.59E-01
.	.	10	37	5.69E-01
.	.	1	7	5.21E-01
.	.	8	28	9.71E-01
.	.	1	2	.
.	.	4	7	2.33E-01
8.45E-01	0.80	2	4	4.72E-01
.	.	2	7	4.09E-01
.	.	1	7	5.32E-01
.	.	3	14	5.98E-01
.	.	1	5	3.45E-01
.	.	1	4	8.58E-01
.	.	0	4	.
.	.	1	1	.
.	.	4	15	9.67E-01
.	.	0	1	.
.	.	0	3	.
.	.	3	2	4.26E-01
.	.	0	4	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	1	.
.	.	0	0	.
.	.	0	0	.
.	.	1	1	.
.	.	18	81	8.56E-01
4.90E-01	1.67	22	65	5.58E-02
.	.	17	69	6.23E-01
.	.	6	17	1.57E-01
2.75E-01	3.40	47	239	3.76E-01
.	.	7	24	6.94E-01
5.58E-01	1.85	14	25	3.63E-01
.	.	8	40	8.43E-01
6.99E-01	0.57	3	29	6.11E-01
.	.	12	27	5.48E-02
.	.	7	19	4.60E-01
.	.	5	37	4.24E-01
.	.	1	5	8.29E-01
.	.	0	1	.
.	.	0	4	.
.	.	0	1	.
.	.	1	6	7.49E-01
.	.	0	0	.
.	.	3	16	6.37E-01
.	.	1	1	.
.	.	1	9	4.70E-01
.	.	0	0	.
2.56E-01	0.72	9	91	2.49E-01
.	.	0	0	.
.	.	0	2	.
.	.	1	14	9.21E-01
.	.	0	3	.
.	.	3	6	3.79E-01
.	.	0	1	.
.	.	1	5	9.09E-01
.	.	1	4	6.27E-01
.	.	6	39	4.60E-01
.	.	5	28	7.46E-01
.	.	0	6	8.58E-01
.	.	0	0	.
.	.	0	0	.
.	.	4	4	9.61E-01

.	.	4	12	4.84E-01
.	.	0	2	.
.	.	0	0	.
.	.	0	1	.
8.79E-01	1.27	0	7	5.54E-01
.	.	2	20	6.52E-01
.	.	3	4	4.34E-01
.	.	5	9	1.52E-01
.	.	2	13	9.51E-01
.	.	9	54	1.89E-01
.	.	3	10	1.18E-01
.	.	0	0	.
.	.	0	0	.
.	.	1	0	.
.	.	0	5	9.93E-01
.	.	0	3	.
5.00E-01	1.97	2	16	3.79E-01
.	.	1	2	.
.	.	1	0	.
.	.	0	0	.
.	.	2	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	5	21	7.70E-01
.	.	1	2	.
.	.	1	5	8.34E-01
.	.	11	41	7.57E-01
.	.	3	7	3.48E-01
.	.	1	0	.
.	.	3	15	4.85E-01
2.62E-01	3.30	3	6	8.09E-02
.	.	1	17	2.74E-01
.	.	0	0	.
.	.	1	5	7.41E-01
.	.	5	14	4.58E-01
.	.	2	12	3.91E-01
.	.	11	28	7.57E-01
.	.	1	11	2.37E-01
.	.	4	10	1.23E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	0	.
.	.	1	6	3.13E-01
.	.	0	0	.
.	.	1	8	5.23E-01
.	.	0	1	.
.	.	2	30	9.67E-02
.	.	3	11	4.25E-01
.	.	1	1	.
.	.	0	6	7.72E-01
7.07E-01	1.63	1	5	7.07E-01
.	.	0	0	.
.	.	1	4	5.70E-01
.	.	1	5	6.39E-01
.	.	10	21	9.62E-02
.	.	0	9	7.70E-01
.	.	0	1	.
.	.	3	9	8.41E-01
.	.	3	3	7.78E-02
.	.	1	3	.
.	.	1	0	.
.	.	1	5	4.64E-01
1.85E-01	2.17	8	27	2.65E-01
.	.	5	15	4.06E-01
.	.	0	2	.
.	.	0	0	.
.	.	0	0	.
.	.	1	1	.
.	.	3	5	8.19E-01
6.63E-01	2.09	1	6	8.32E-01
.	.	0	0	.
3.99E-01	2.81	2	4	9.78E-02
.	.	2	2	.
.	.	1	7	9.77E-01
.	.	4	8	1.53E-01
.	.	1	11	4.44E-01
.	.	7	13	9.59E-02
.	.	2	3	3.63E-01
.	.	3	28	2.04E-01
.	.	3	15	2.35E-01
.	.	10	36	5.52E-01
.	.	7	15	9.79E-02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	3	19	8.64E-01
.	.	3	11	7.84E-01
.	.	0	6	6.77E-01
.	.	2	9	8.43E-01
.	.	1	2	.
.	.	0	8	9.96E-01
.	.	0	3	.
.	.	3	10	3.52E-01
.	.	3	6	6.29E-01
.	.	0	3	.
.	.	4	5	5.90E-01
.	.	2	3	7.54E-01
.	.	2	4	2.79E-02
.	.	0	12	7.56E-02
.	.	3	12	5.80E-01
.	.	2	8	3.48E-01
.	.	3	22	1.23E-01
9.57E-01	1.09	4	16	1.19E-01
.	.	0	0	.
.	.	1	3	.
.	.	0	4	.
.	.	0	3	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	1	0	.
.	.	0	0	.
.	.	1	2	.
.	.	5	22	7.47E-01
.	.	4	8	2.49E-01
.	.	6	24	4.20E-01
.	.	2	7	8.53E-02
.	.	0	2	.
4.74E-01	2.21	1	4	4.74E-01
.	.	2	13	8.31E-01
.	.	0	5	5.50E-02
7.76E-01	1.58	0	7	8.10E-01
.	.	2	12	6.30E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	3	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	6	9.62E-01
.	.	2	6	6.26E-01
.	.	10	48	5.69E-01
.	.	5	4	3.75E-02
.	.	1	4	8.11E-01
.	.	2	0	.
.	.	3	33	1.84E-01
.	.	10	41	8.70E-01
.	.	1	8	5.33E-01
.	.	4	17	5.46E-01
.	.	0	4	.
.	.	0	8	4.74E-01
.	.	6	27	3.43E-01
.	.	4	26	7.18E-01
6.57E-01	0.75	4	21	8.28E-01
9.13E-01	0.92	3	15	4.46E-01
.	.	0	2	.
.	.	1	0	.
.	.	2	15	9.52E-01
.	.	0	2	.
.	.	3	19	8.26E-01
.	.	6	30	8.82E-01
8.34E-01	1.18	3	14	8.34E-01
.	.	3	6	3.13E-01
.	.	0	2	.
.	.	1	8	4.73E-01
2.60E-01	0.24	1	6	1.63E-01
.	.	1	6	6.95E-01
5.22E-01	0.42	1	8	9.41E-01
.	.	1	6	8.89E-01
.	.	2	18	9.65E-01
.	.	4	16	7.85E-01
.	.	3	15	4.12E-01
.	.	0	2	.
.	.	3	15	6.64E-01
.	.	2	6	9.13E-01
.	.	3	9	9.34E-01

ACCEPTED MANUSCRIPT

2.75E-01	1.71	13	46	3.85E-01
5.79E-01	1.77	2	7	6.05E-01
3.20E-01	0.27	7	43	6.48E-01
.	.	0	3	.
.	.	4	23	4.16E-01
.	.	7	13	2.92E-01
.	.	10	50	1.90E-01
.	.	0	5	7.71E-01
.	.	0	12	1.64E-01
.	.	1	3	.
1.82E-01	0.13	3	14	8.06E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	9	2.81E-02
.	.	0	0	.
.	.	1	0	.
.	.	0	0	.
.	.	1	0	.
.	.	0	1	.
8.49E-01	1.36	3	6	1.26E-01
.	.	20	67	4.11E-01
.	.	4	10	5.19E-01
.	.	2	3	3.97E-01
.	.	0	3	.
.	.	0	0	.
.	.	2	13	7.89E-01
1.38E-01	0.23	23	83	7.40E-01
.	.	0	6	1.91E-01
.	.	4	7	2.54E-01
.	.	2	10	9.59E-01
.	.	6	19	9.12E-01
.	.	2	6	7.49E-01
.	.	0	1	.
.	.	0	5	7.52E-01
.	.	0	5	8.95E-01
.	.	3	7	4.98E-01
.	.	1	3	.
.	.	2	1	.
.	.	0	5	9.81E-01
.	.	2	2	.
.	.	4	16	7.04E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	6	72	9.25E-02
5.30E-01	2.00	18	60	4.26E-01
.	.	3	7	8.41E-01
7.09E-01	1.43	7	32	4.72E-01
.	.	9	44	5.49E-01
.	.	1	5	7.33E-01
.	.	1	2	.
.	.	11	59	7.36E-01
.	.	6	16	2.41E-01
.	.	6	12	3.09E-01
.	.	1	8	8.86E-01
.	.	2	6	3.04E-01
.	.	5	16	1.98E-02
.	.	4	7	8.64E-02
.	.	0	0	.
.	.	3	13	6.60E-01
.	.	2	0	.
.	.	0	1	.
7.25E-02	0.45	8	66	1.55E-01
.	.	4	22	8.01E-01
.	.	8	15	3.28E-01
.	.	4	2	2.48E-03
5.64E-01	1.81	3	8	3.79E-01
.	.	5	7	7.04E-01
.	.	3	4	1.65E-01
.	.	21	105	7.97E-01
.	.	2	16	2.76E-01
.	.	1	1	.
.	.	4	28	4.63E-01
.	.	55	179	4.63E-01
.	.	52	199	4.80E-01
.	.	1	3	.
.	.	6	16	7.14E-01
.	.	11	40	2.82E-01
.	.	17	48	2.39E-01
.	.	5	16	5.24E-01
.	.	2	26	2.80E-01
.	.	0	15	8.02E-02
.	.	1	13	5.97E-01
.	.	4	22	5.06E-01
4.82E-01	2.42	1	9	7.45E-01

.	.	0	2	.
.	.	0	5	6.04E-01
.	.	3	0	.
.	.	1	3	.
.	.	0	4	.
.	.	2	19	8.60E-01
.	.	8	44	7.34E-01
.	.	1	8	6.56E-01
.	.	0	2	.
.	.	1	4	8.63E-01
.	.	1	0	.
.	.	0	3	.
.	.	1	8	9.87E-01
.	.	0	0	.
.	.	1	3	.
.	.	1	2	.
5.59E-01	0.67	3	18	5.59E-01
.	.	1	5	3.27E-01
.	.	0	3	.
.	.	1	0	.
.	.	2	6	5.17E-01
.	.	2	5	4.22E-01
.	.	1	2	.
.	.	0	2	.
2.72E-01	3.99	1	5	3.00E-01
.	.	0	9	6.78E-03
.	.	3	13	8.32E-01
.	.	16	50	4.90E-01
.	.	0	3	.
.	.	0	4	.
.	.	2	17	2.97E-01
.	.	1	19	7.83E-01
7.19E-01	1.51	1	12	6.00E-01
.	.	8	23	1.44E-01
.	.	1	0	.
.	.	0	0	.
.	.	0	3	.
.	.	0	6	8.66E-01
6.65E-01	1.48	3	10	3.08E-01
.	.	1	7	1.59E-01
.	.	2	1	.

.	.	0	1	.
.	.	6	15	5.03E-02
.	.	1	2	.
.	.	0	2	.
3.04E-01	0.42	4	4	6.55E-01
.	.	2	10	8.16E-01
.	.	0	0	.
.	.	2	3	8.26E-01
1.18E-01	2.86	6	13	5.38E-02
.	.	0	2	.
.	.	2	2	.
.	.	2	7	9.63E-01
.	.	2	16	6.77E-01
.	.	3	26	5.71E-01
.	.	1	1	.
.	.	0	0	.
.	.	0	2	.
.	.	0	3	.
.	.	3	10	6.12E-01
6.49E-01	1.64	12	39	4.23E-01
4.83E-01	0.39	2	23	1.06E-01
.	.	4	25	4.34E-01
7.07E-01	1.51	2	13	9.94E-01
8.26E-01	1.41	3	26	6.90E-01
.	.	1	9	4.34E-01
.	.	0	1	.
.	.	29	94	5.10E-02
1.52E-01	3.67	19	43	1.14E-01
.	.	1	6	8.23E-01
.	.	0	1	.
.	.	1	6	4.78E-01
.	.	0	2	.
.	.	3	12	6.99E-01
.	.	0	2	.
.	.	0	2	.
.	.	0	3	.
.	.	6	15	9.29E-01
7.99E-01	0.79	1	19	5.40E-01
.	.	5	5	4.20E-01
5.43E-01	0.69	5	40	3.53E-01
.	.	7	47	3.88E-01

ACCEPTED MANUSCRIPT

.	.	2	14	5.28E-02
.	.	2	2	.
.	.	0	5	5.24E-01
.	.	0	0	.
.	.	0	2	.
3.72E-01	1.94	3	11	4.54E-01
7.44E-01	0.75	10	30	3.37E-01
.	.	4	11	5.07E-01
.	.	0	9	6.28E-01
.	.	0	1	.
.	.	3	3	1.18E-01
.	.	12	61	7.81E-01
.	.	15	45	4.54E-01
.	.	2	15	7.41E-01
.	.	0	5	8.09E-01
8.58E-01	1.14	3	18	9.21E-01
.	.	4	27	6.60E-01
1.86E-01	2.46	9	38	3.02E-01
2.60E-01	3.58	6	8	1.81E-01
3.74E-01	0.39	2	6	9.47E-01
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.	.	0	1	.
.	.	0	2	.
.	.	5	15	9.43E-01
.	.	0	1	.
.	.	0	0	.
.	.	2	6	5.68E-01
.	.	1	3	.
5.56E-01	0.73	7	33	6.39E-01
.	.	6	26	5.82E-01
.	.	0	2	.
.	.	1	7	6.41E-01
.	.	0	5	5.08E-01
6.70E-01	1.33	1	6	6.70E-01
2.30E-01	2.26	9	33	7.29E-01
.	.	1	7	8.56E-01
2.06E-01	0.28	1	9	1.44E-01
.	.	0	4	.
.	.	2	1	.
6.51E-01	1.21	2	13	9.25E-01
.	.	0	7	2.24E-01

ACCEPTED MANUSCRIPT

.	.	1	4	4.66E-01
.	.	4	5	9.80E-02
.	.	1	4	7.89E-01
.	.	1	9	2.94E-01
.	.	2	3	9.13E-01
.	.	1	2	.
.	.	1	4	3.48E-01
.	.	0	0	.
.	.	6	12	1.08E-01
.	.	1	1	.
.	.	2	2	.
.	.	1	2	.
.	.	2	3	8.93E-01
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.	.	1	1	.
.	.	20	82	6.99E-01
.	.	2	11	5.97E-01
.	.	2	1	.
.	.	0	0	.
.	.	0	6	9.41E-01
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.	.	0	5	7.02E-01
.	.	7	26	1.81E-01
.	.	4	19	9.16E-01
.	.	1	10	9.58E-01
.	.	0	2	.
7.26E-01	1.31	6	20	8.78E-01
.	.	0	11	1.51E-01
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.	.	25	124	6.58E-01
.	.	1	9	5.44E-01
.	.	1	8	6.06E-01
.	.	13	57	8.32E-01
.	.	0	2	.
5.60E-01	0.72	0	43	5.02E-02
.	.	7	13	1.96E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

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1.64E-01	5.00	1	4	1.64E-01
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.	.	4	16	8.60E-01
.	.	2	8	7.04E-01
.	.	2	19	7.48E-01
.	.	1	8	9.04E-02
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1.42E-01	3.95	7	24	6.13E-01
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.	.	3	6	5.43E-03
2.40E-01	2.10	22	99	6.87E-01
.	.	2	11	8.06E-01
.	.	2	14	6.49E-01
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.	.	1	16	3.65E-01
.	.	3	15	7.82E-01
3.09E-01	2.42	13	38	3.00E-01
.	.	5	22	9.32E-01
.	.	16	69	9.23E-01
.	.	11	43	9.73E-01
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.	.	2	18	2.01E-01
.	.	2	12	8.63E-01
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4.06E-01	2.10	15	67	9.93E-01
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.	.	2	12	6.15E-01
1.39E-01	0.18	3	36	2.23E-01
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.	.	3	15	7.33E-01
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.	.	1	12	8.91E-01
.	.	1	4	8.05E-01
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1.78E-01	2.83	4	7	1.78E-01
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.	.	2	5	6.67E-01
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2.37E-01	3.48	3	4	2.37E-01
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.	.	3	30	2.78E-01
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.	.	1	11	5.89E-01
.	.	6	15	3.66E-01
.	.	0	3	.
5.05E-01	2.27	5	14	3.01E-01
.	.	0	2	.
.	.	1	12	6.05E-02
.	.	3	6	6.44E-01
.	.	1	7	5.30E-01
9.65E-01	0.95	9	42	4.19E-01
6.50E-01	1.15	11	30	5.49E-01
.	.	0	7	1.34E-01
.	.	4	29	5.59E-01
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.	.	0	18	7.66E-02
9.90E-01	0.98	3	36	6.75E-02
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5.73E-01	1.68	11	46	3.78E-01

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.	.	3	6	5.46E-01
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.	.	0	2	.
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.	.	2	6	8.29E-01
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.	.	1	14	9.52E-01
7.78E-01	1.25	4	38	6.19E-01
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.	.	1	5	2.88E-01
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.	.	10	41	5.31E-01
.	.	2	4	2.67E-01
8.31E-01	1.16	4	14	8.31E-01
.	.	12	19	6.96E-02
.	.	7	14	5.39E-01
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.	.	1	6	9.82E-01
3.12E-01	1.85	13	42	5.97E-01
6.73E-01	1.38	2	12	7.39E-01
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.	.	1	5	4.93E-01
.	.	1	7	5.23E-01
.	.	2	7	8.78E-01
.	.	2	20	8.48E-01
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.	.	16	71	4.63E-01
.	.	8	8	2.20E-02
2.11E-01	1.81	8	34	7.49E-01
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.	.	3	8	1.88E-01
.	.	2	4	4.78E-01
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.	.	1	5	2.62E-01

.	.	1	5	6.83E-01
1.80E-01	2.79	12	42	2.37E-01
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.	.	0	6	7.47E-01
2.82E-02	22.79	10	10	1.37E-01
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.	.	5	20	8.64E-01
5.00E-02	5.02	18	78	5.27E-01
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.	.	4	4	1.07E-01
8.11E-01	1.07	12	63	8.39E-01
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2.96E-01	2.40	4	17	7.46E-01
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.	.	4	12	2.48E-01
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8.61E-01	0.78	0	18	5.44E-02
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.	.	2	6	8.94E-01
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6.66E-01	1.42	2	10	8.18E-01
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.	.	2	6	7.06E-01
8.98E-01	1.05	9	77	8.98E-01
.	.	8	18	2.22E-01
.	.	0	13	3.66E-01
2.07E-01	0.16	2	20	2.12E-01

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.	.	7	21	6.82E-01
.	.	3	5	2.05E-01
.	.	5	24	7.93E-01
7.05E-02	0.27	3	26	1.16E-01
.	.	7	37	9.14E-01
4.81E-01	2.07	2	8	6.62E-01
9.27E-01	1.14	14	55	5.74E-01
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.	.	1	7	9.70E-01
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3.02E-01	0.44	6	28	3.44E-01
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.	.	4	12	7.97E-01
.	.	1	7	7.89E-01
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6.10E-01	1.70	14	68	6.68E-01
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.	.	2	6	4.70E-01
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7.25E-01	1.68	3	13	9.16E-01

.	.	8	44	2.07E-01
.	.	1	11	9.08E-01
5.58E-01	0.59	3	20	5.18E-01
9.58E-01	1.06	11	25	1.04E-01
.	.	15	62	3.78E-01
.	.	13	70	3.41E-01
7.45E-01	0.71	1	12	5.13E-01
.	.	3	23	3.74E-01
.	.	9	33	7.17E-01
.	.	1	7	8.27E-01
4.41E-01	0.65	8	24	9.85E-01
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.	.	1	7	8.15E-01
.	.	3	2	2.99E-02
.	.	7	30	2.50E-01
5.90E-01	1.42	6	16	2.55E-01
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7.36E-01	1.24	4	38	5.00E-01
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.	.	4	18	8.77E-01
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.	.	2	10	4.96E-01
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.	.	2	3	1.63E-03
.	.	0	11	2.17E-01

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.	.	0	8	5.27E-01
5.24E-02	2.95	8	19	1.43E-01
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7.37E-02	0.13	0	15	6.78E-02
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.	.	6	20	3.70E-01
.	.	1	5	9.70E-01
.	.	1	12	7.10E-01
.	.	2	15	1.62E-01
.	.	6	13	2.33E-01
.	.	3	14	6.44E-01
.	.	5	14	9.71E-01
4.82E-02	4.70	11	32	4.16E-01
.	.	2	14	6.74E-01
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.	.	7	31	7.72E-02
2.06E-01	4.15	12	61	5.52E-01
.	.	4	23	2.31E-01
5.84E-01	1.51	8	18	9.37E-02
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.	.	1	4	3.23E-01
.	.	0	14	1.03E-01
.	.	1	6	5.65E-01
.	.	0	2	.
.	.	9	14	6.56E-03

3.86E-01	1.99	6	17	4.23E-01
.	.	2	14	7.65E-01
.	.	8	10	3.49E-02
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.	.	0	17	1.08E-01
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.	.	0	8	2.56E-01
.	.	3	7	9.23E-01
.	.	0	3	.
7.99E-01	0.82	4	13	9.71E-01
.	.	5	15	9.37E-02
6.94E-01	1.42	15	72	9.85E-01
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.	.	3	17	7.28E-01
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.	.	2	3	2.65E-01
3.34E-01	0.28	1	7	3.13E-01
.	.	1	7	2.53E-01
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.	.	2	4	8.81E-01
.	.	0	2	.
.	.	5	28	6.78E-01
.	.	5	10	1.50E-01
.	.	0	8	1.34E-01
.	.	2	12	6.41E-01
5.97E-01	0.55	2	13	5.50E-01
.	.	0	8	9.03E-01
.	.	2	11	8.41E-01
.	.	1	5	7.12E-01
2.52E-02	5.41	3	6	4.28E-02
.	.	2	3	2.66E-01
.	.	0	2	.
.	.	20	66	8.66E-01
.	.	1	1	.
.	.	1	2	.
.	.	0	3	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	0	.
.	.	1	2	.
.	.	8	17	1.80E-01
.	.	0	3	.
.	.	1	8	9.77E-01
.	.	0	3	.
.	.	12	33	3.67E-02
.	.	9	31	6.95E-01
.	.	3	10	9.44E-01
.	.	0	2	.
.	.	3	11	2.29E-01
1.61E-01	4.60	13	45	2.13E-01
.	.	2	10	5.33E-01
.	.	2	1	.
.	.	1	1	.
.	.	0	0	.
.	.	1	0	.
.	.	0	1	.
.	.	1	7	4.29E-01
8.71E-01	0.86	3	27	3.30E-01
.	.	1	3	.
.	.	8	23	8.00E-01
6.20E-01	0.68	6	57	1.09E-01
.	.	0	8	1.44E-01
.	.	5	26	3.98E-01
5.11E-01	2.09	1	12	6.14E-01
.	.	0	2	.
.	.	1	7	6.06E-01
.	.	4	4	3.18E-02
.	.	3	5	3.29E-02
.	.	1	5	5.30E-01
.	.	0	1	.
.	.	2	10	8.43E-01
7.96E-01	0.87	3	12	7.57E-01
.	.	2	12	5.92E-01
.	.	1	12	4.03E-01
.	.	2	10	5.41E-01
.	.	0	6	6.50E-01
.	.	1	12	1.92E-01
.	.	10	43	2.01E-01
.	.	1	1	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	0	.
.	.	0	0	.
.	.	2	7	5.80E-02
.	.	0	0	.
.	.	0	2	.
.	.	1	1	.
.	.	0	0	.
.	.	0	0	.
.	.	1	23	3.56E-01
.	.	1	2	.
.	.	1	8	6.25E-02
.	.	2	8	6.10E-01
2.83E-01	0.42	17	66	3.96E-01
5.72E-01	0.79	12	60	6.91E-01
.	.	4	27	6.10E-01
.	.	1	8	4.71E-01
.	.	1	15	3.51E-01
.	.	1	3	.
.	.	0	3	.
.	.	0	0	.
.	.	0	2	.
.	.	0	0	.
.	.	1	3	.
.	.	0	3	.
.	.	0	6	6.23E-01
.	.	1	2	.
.	.	1	6	4.47E-01
.	.	2	8	5.24E-01
.	.	0	0	.
.	.	0	2	.
.	.	8	9	1.50E-01
.	.	1	2	.
.	.	1	2	.
.	.	1	5	4.23E-01
.	.	2	6	1.71E-01
.	.	0	0	.
.	.	0	3	.
.	.	3	6	6.16E-02
.	.	1	1	.
.	.	0	0	.
.	.	2	10	5.14E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	10	5.37E-01
.	.	0	4	.
.	.	0	2	.
.	.	0	0	.
.	.	3	4	2.93E-02
.	.	5	8	4.14E-01
.	.	2	6	8.28E-01
.	.	0	3	.
.	.	1	3	.
.	.	0	2	.
.	.	1	0	.
.	.	1	10	3.42E-01
.	.	0	0	.
.	.	0	6	9.06E-01
.	.	0	5	5.26E-01
.	.	1	2	.
.	.	1	0	.
.	.	0	2	.
.	.	0	0	.
.	.	1	1	.
.	.	0	2	.
9.58E-01	1.08	1	8	9.44E-01
.	.	1	0	.
.	.	1	1	.
.	.	1	7	9.38E-01
.	.	3	16	6.19E-01
.	.	1	1	.
.	.	1	9	7.55E-01
.	.	2	3	4.76E-01
.	.	0	9	7.50E-01
.	.	1	4	2.89E-01
.	.	2	4	5.31E-01
.	.	1	1	.
.	.	1	2	.
.	.	1	8	6.97E-01
.	.	0	0	.
.	.	0	0	.
.	.	3	41	7.65E-02
.	.	14	56	6.96E-01
.	.	1	2	.
.	.	4	19	9.67E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	0	.
.	.	0	4	.
.	.	0	1	.
6.32E-01	1.49	2	14	6.32E-01
.	.	0	1	.
.	.	0	0	.
.	.	1	0	.
3.37E-01	2.22	4	11	7.83E-02
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
9.35E-01	1.10	3	7	4.89E-01
.	.	0	6	8.10E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	5	8.27E-01
.	.	0	1	.
.	.	0	5	2.83E-02
.	.	4	32	1.39E-01
.	.	9	51	8.50E-01
4.90E-01	2.09	1	11	9.24E-01
9.03E-01	1.15	9	55	7.81E-01
.	.	0	2	.
.	.	1	4	6.63E-01
.	.	0	0	.
.	.	1	2	.
.	.	1	3	.
.	.	4	17	6.39E-01
.	.	0	0	.
5.74E-01	0.43	9	37	9.45E-01
.	.	0	5	5.91E-01
.	.	5	6	7.69E-03
9.64E-01	0.97	3	18	6.82E-01
7.90E-01	0.78	8	59	6.04E-01
.	.	4	14	3.08E-01
.	.	2	3	8.46E-01
.	.	1	5	8.98E-01
.	.	0	4	.
.	.	2	8	2.71E-01
.	.	2	5	2.44E-01
.	.	2	4	3.90E-01

ACCEPTED MANUSCRIPT

.	.	0	1	.
.	.	4	30	8.50E-01
.	.	5	25	7.32E-01
.	.	1	6	6.29E-01
.	.	2	2	.
.	.	0	1	.
.	.	1	5	2.67E-01
.	.	0	0	.
.	.	0	3	.
.	.	3	11	8.82E-01
.	.	1	2	.
.	.	0	1	.
.	.	2	10	8.93E-01
.	.	0	6	5.72E-01
8.66E-01	1.19	4	20	8.94E-01
.	.	0	6	9.00E-01
.	.	2	6	9.41E-01
.	.	0	3	.
.	.	2	2	.
.	.	6	29	6.31E-01
.	.	0	5	8.83E-01
.	.	2	6	4.73E-01
.	.	2	15	6.74E-01
.	.	3	4	4.71E-01
.	.	1	11	5.78E-01
.	.	9	28	5.17E-02
.	.	5	35	4.91E-01
.	.	3	22	3.62E-01
.	.	2	20	8.58E-01
.	.	2	20	6.69E-01
.	.	10	49	4.01E-01
.	.	6	22	8.92E-01
.	.	9	27	6.85E-01
.	.	8	34	9.73E-01
.	.	11	52	9.91E-01
1.78E-01	0.18	3	23	3.24E-01
.	.	3	5	1.58E-01
.	.	3	30	7.26E-01
1.40E-01	0.15	1	14	8.85E-02
.	.	1	3	.
.	.	14	69	9.47E-01

.	.	1	3	.
.	.	3	9	3.45E-01
.	.	2	8	4.71E-01
.	.	3	12	4.95E-01
.	.	1	8	8.59E-01
2.04E-01	3.53	4	17	3.09E-01
.	.	1	6	6.30E-01
.	.	0	5	5.14E-01
.	.	1	4	8.25E-01
.	.	0	2	.
.	.	2	7	6.35E-01
.	.	0	5	9.18E-01
.	.	1	4	6.62E-01
2.40E-01	2.05	6	20	4.50E-01
1.67E-02	0.04	0	14	1.67E-02
.	.	21	94	7.32E-01
3.74E-01	1.56	9	19	1.22E-01
6.43E-01	1.34	7	32	8.92E-01
4.32E-01	1.72	31	96	1.60E-01
.	.	1	7	7.23E-01
8.95E-01	1.11	3	15	8.95E-01
6.38E-01	0.83	3	8	6.38E-01
.	.	0	1	.
.	.	4	12	3.70E-01
2.29E-01	1.90	9	24	7.83E-02
.	.	2	4	3.34E-01
.	.	4	12	9.88E-01
.	.	14	43	3.27E-01
.	.	8	19	4.56E-01
.	.	6	16	2.52E-01
.	.	0	1	.
.	.	3	6	4.78E-01
.	.	4	12	8.24E-01
.	.	6	17	7.97E-01
.	.	6	18	2.55E-01
.	.	9	31	6.83E-01
.	.	0	1	.
.	.	3	1	.
.	.	0	3	.
.	.	4	16	9.21E-01
.	.	0	5	5.38E-01

ACCEPTED MANUSCRIPT

.	.	1	16	1.66E-01
.	.	0	1	.
.	.	1	5	3.29E-01
.	.	0	4	.
1.27E-01	6.05	11	62	5.53E-01
.	.	1	0	.
.	.	0	1	.
.	.	0	4	.
3.10E-01	0.29	12	51	6.49E-01
.	.	19	70	8.38E-01
.	.	2	4	8.34E-01
.	.	10	40	5.89E-01
5.66E-01	0.61	1	16	4.93E-01
.	.	0	8	5.46E-01
.	.	2	10	2.48E-01
.	.	2	7	8.06E-01
.	.	0	2	.
.	.	3	12	4.59E-01
.	.	0	3	.
1.62E-01	0.26	2	20	1.22E-01
.	.	1	2	.
.	.	0	3	.
.	.	2	7	8.90E-01
.	.	2	26	1.09E-01
1.67E-01	0.30	16	50	8.69E-01
.	.	8	16	2.64E-02
8.10E-01	1.30	17	79	9.59E-02
.	.	11	50	5.16E-01
.	.	15	69	7.46E-01
3.62E-01	0.52	9	63	3.80E-01
.	.	11	35	5.49E-01
.	.	10	32	3.66E-01
6.13E-01	1.59	8	22	3.79E-01
.	.	9	45	8.85E-01
.	.	3	17	8.48E-01
5.17E-01	1.88	27	134	5.31E-01
4.60E-01	2.72	14	48	6.95E-01
.	.	19	56	1.20E-01
.	.	4	8	6.14E-01
.	.	7	8	1.90E-01
.	.	7	8	1.03E-01

.	.	1	4	8.37E-01
.	.	3	4	1.78E-01
.	.	0	6	9.84E-01
.	.	2	8	7.75E-01
.	.	2	8	8.27E-01
.	.	0	14	3.52E-01
.	.	10	47	8.70E-01
.	.	7	23	8.44E-01
.	.	4	16	4.00E-01
.	.	2	12	7.97E-01
.	.	0	2	.
.	.	17	69	5.14E-02
5.86E-02	6.69	45	154	1.39E-01
.	.	21	40	4.75E-02
.	.	15	74	8.06E-01
1.10E-01	5.44	37	181	3.05E-01
6.15E-01	1.74	7	42	9.68E-01
6.39E-01	0.78	21	92	9.88E-01
.	.	4	22	7.35E-01
.	.	19	89	9.45E-01
.	.	5	18	8.90E-01
.	.	8	42	7.32E-01
.	.	13	27	3.23E-02
.	.	7	28	4.38E-01
9.54E-01	0.97	10	48	5.72E-01
3.30E-01	0.28	10	49	8.72E-01
.	.	13	68	7.57E-01
2.43E-01	3.08	14	30	3.66E-02
.	.	14	49	6.72E-01
.	.	6	36	1.99E-01
.	.	12	64	9.32E-01
.	.	32	126	7.74E-01
1.13E-01	3.95	31	150	4.17E-01
5.25E-01	0.43	18	104	4.86E-01
.	.	23	91	2.43E-01
6.54E-01	1.57	5	35	3.77E-01
.	.	2	9	4.49E-01
.	.	3	5	7.21E-02
4.54E-01	0.38	35	114	2.15E-02
.	.	11	34	7.65E-01
.	.	5	41	7.18E-02

2.49E-01	0.24	16	79	7.42E-01
9.49E-01	0.95	9	38	4.98E-01
.	.	8	16	2.13E-01
.	.	1	8	9.34E-01
.	.	0	5	5.93E-01
.	.	0	4	.
.	.	4	26	6.94E-01
2.99E-01	1.51	1	15	2.69E-01
.	.	1	13	4.22E-01
.	.	1	2	.
.	.	6	15	1.70E-01
.	.	1	3	.
.	.	0	3	.
.	.	6	13	1.36E-01
.	.	0	1	.
.	.	1	2	.
.	.	3	9	6.59E-01
.	.	0	0	.
.	.	0	6	3.27E-01
.	.	1	2	.
.	.	2	3	2.85E-01
.	.	0	11	4.87E-01
.	.	1	3	.
.	.	0	6	1.53E-01
.	.	5	15	1.92E-01
.	.	0	1	.
.	.	0	0	.
.	.	3	5	3.89E-01
.	.	0	4	.
.	.	0	1	.
.	.	3	11	4.15E-01
.	.	3	19	8.58E-01
.	.	0	15	2.25E-02
8.46E-01	1.23	3	10	2.90E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	8	8.62E-01
.	.	1	2	.
.	.	0	1	.
.	.	1	3	.
.	.	2	11	8.00E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	2	.
.	.	6	26	1.83E-01
.	.	1	5	9.58E-01
.	.	1	8	4.69E-01
.	.	7	32	9.95E-01
.	.	1	5	2.18E-01
.	.	6	13	2.17E-01
.	.	0	11	3.76E-02
.	.	2	10	7.90E-01
.	.	1	2	.
.	.	3	25	9.57E-01
.	.	7	41	7.38E-01
9.47E-01	1.10	1	5	9.47E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	3	.
.	.	3	19	5.51E-01
4.11E-01	0.34	0	6	4.11E-01
.	.	0	4	.
.	.	3	19	5.14E-01
.	.	0	7	1.48E-01
.	.	1	8	7.94E-01
.	.	4	15	5.03E-01
.	.	1	11	4.68E-01
.	.	1	6	3.32E-01
.	.	3	8	7.88E-01
.	.	2	10	8.36E-01
7.01E-01	1.42	2	6	7.01E-01
.	.	9	34	5.00E-01
.	.	1	10	6.02E-01
.	.	3	21	4.95E-01
2.67E-01	0.39	4	23	2.43E-01
9.14E-01	0.85	5	18	8.11E-01
.	.	1	4	1.76E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	3	10	2.78E-01
.	.	3	20	6.00E-01
.	.	18	53	1.51E-01
.	.	4	11	3.13E-01

9.95E-01	1.01	13	81	7.54E-01
.	.	1	7	8.15E-01
5.11E-01	0.47	17	62	7.38E-01
.	.	21	61	2.15E-01
.	.	0	0	.
.	.	11	25	1.95E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	6	9.80E-01
.	.	2	8	9.72E-01
.	.	3	5	8.17E-01
.	.	7	26	3.04E-01
.	.	4	13	2.30E-01
.	.	2	30	1.16E-01
.	.	2	11	9.76E-01
.	.	3	13	7.32E-01
.	.	2	1	.
.	.	2	7	4.95E-01
.	.	1	0	.
.	.	0	4	.
.	.	0	3	.
.	.	0	2	.
.	.	1	2	.
.	.	1	12	8.78E-01
.	.	1	7	7.24E-01
.	.	1	2	.
.	.	1	11	4.24E-01
.	.	0	3	.
.	.	3	16	6.58E-01
.	.	2	7	4.22E-01
.	.	2	14	9.71E-01
.	.	2	7	5.32E-01
4.82E-01	0.37	3	9	2.48E-01
.	.	0	4	.
.	.	0	1	.
.	.	2	3	4.36E-01
.	.	0	4	.
.	.	2	9	6.42E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	2	.

.	.	2	7	6.50E-01
.	.	8	33	8.25E-01
.	.	10	32	5.80E-01
.	.	0	1	.
.	.	1	1	.
.	.	6	30	7.81E-01
.	.	5	2	1.35E-02
.	.	0	5	3.96E-01
.	.	0	2	.
.	.	0	0	.
.	.	0	1	.
.	.	2	19	4.78E-01
.	.	8	56	3.54E-01
.	.	2	15	7.67E-01
.	.	2	4	1.31E-01
.	.	0	14	3.91E-01
.	.	2	10	8.26E-01
.	.	5	14	4.35E-01
.	.	0	3	.
.	.	5	14	7.52E-01
.	.	2	6	4.50E-01
.	.	0	2	.
.	.	0	14	7.69E-02
.	.	0	0	.
.	.	2	7	2.86E-01
.	.	1	5	7.03E-01
.	.	0	0	.
.	.	3	7	9.54E-02
.	.	2	7	8.65E-01
.	.	5	10	1.02E-01
8.29E-01	0.73	0	6	8.29E-01
.	.	0	2	.
.	.	3	10	7.58E-01
.	.	0	8	9.69E-01
.	.	0	5	5.94E-01
.	.	0	1	.
.	.	0	3	.
.	.	1	8	5.14E-01
.	.	0	2	.
.	.	1	2	.
.	.	0	2	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	3	7	8.73E-01
.	.	0	0	.
.	.	7	22	8.62E-01
.	.	0	10	7.06E-01
.	.	7	18	7.55E-01
.	.	0	5	8.06E-01
.	.	5	21	4.87E-01
.	.	2	7	4.95E-01
9.50E-02	0.33	2	16	8.11E-02
3.93E-01	1.78	56	181	2.10E-01
3.42E-01	1.75	13	40	2.97E-01
.	.	0	2	.
.	.	3	15	7.21E-01
.	.	0	3	.
.	.	0	1	.
.	.	1	0	.
.	.	1	12	9.25E-02
.	.	7	68	5.19E-02
.	.	1	12	4.58E-01
.	.	5	26	9.06E-01
.	.	2	5	4.53E-01
.	.	0	0	.
.	.	5	26	6.75E-01
.	.	0	2	.
9.75E-01	1.03	5	18	8.40E-01
.	.	2	2	.
.	.	3	23	6.66E-01
3.83E-01	2.17	13	27	6.11E-02
.	.	4	17	8.94E-01
.	.	3	8	9.20E-01
.	.	0	1	.
.	.	2	7	9.62E-01
.	.	2	8	8.64E-01
.	.	2	8	4.20E-01
.	.	0	3	.
.	.	0	0	.
.	.	5	29	9.36E-01
4.13E-01	2.43	4	14	1.85E-01
.	.	1	8	6.75E-01
.	.	3	2	3.90E-02
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.	.	5	34	9.83E-01
.	.	10	35	4.33E-01
.	.	0	10	6.84E-01
.	.	0	1	.
.	.	1	6	8.31E-01
.	.	3	9	1.69E-01
.	.	10	32	3.36E-01
.	.	0	4	.
9.37E-01	1.08	2	11	9.84E-01
.	.	0	3	.
.	.	2	7	6.47E-01
.	.	1	5	4.92E-01
9.86E-01	1.02	11	34	3.68E-01
8.79E-01	1.04	7	30	9.52E-01
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.	.	4	10	3.84E-01
.	.	0	4	.
.	.	2	22	3.79E-01
.	.	0	6	5.11E-01
.	.	2	6	8.40E-01
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.	.	2	24	4.03E-01
.	.	2	5	1.83E-01
.	.	0	1	.
.	.	6	19	1.77E-02
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.	.	7	24	9.35E-01
.	.	0	5	5.83E-01
.	.	0	1	.
.	.	0	3	.
.	.	6	19	1.85E-01
.	.	2	4	5.11E-01
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.	.	0	0	.
.	.	0	3	.
.	.	2	1	.
.	.	0	0	.
.	.	0	3	.
.	.	0	5	5.72E-01
.	.	1	6	7.77E-01
.	.	1	3	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	1	.
.	.	0	2	.
.	.	0	1	.
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.	.	1	2	.
.	.	13	38	3.69E-01
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.	.	8	17	1.91E-01
.	.	1	12	2.18E-01
.	.	1	6	4.24E-01
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.	.	2	14	2.20E-01
.	.	1	6	6.87E-01
.	.	0	8	2.99E-01
9.83E-01	1.03	1	14	5.13E-01
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.	.	0	0	.
.	.	7	22	2.59E-01
.	.	7	39	3.63E-01
.	.	2	8	9.26E-01
.	.	7	44	9.81E-01
.	.	19	69	3.07E-02
.	.	33	144	8.72E-01
6.59E-01	1.58	6	14	1.49E-01
2.89E-01	3.46	4	2	2.19E-01
.	.	2	13	5.17E-01
.	.	6	16	5.89E-01
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.	.	1	3	.
4.46E-01	0.34	1	6	6.00E-01
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.	.	0	0	.
.	.	1	13	1.58E-01
.	.	5	27	3.63E-01
.	.	5	6	4.55E-01
.	.	2	23	5.65E-01
.	.	10	36	8.64E-01
.	.	1	12	8.16E-01
8.88E-01	1.16	2	7	8.61E-01
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.	.	5	8	1.22E-01
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.	.	2	3	9.36E-01
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.	.	2	10	8.00E-01
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.	.	3	11	5.03E-01
.	.	6	29	6.65E-01
.	.	7	25	8.37E-01
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.	.	0	10	7.05E-01
.	.	3	27	9.57E-01
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.	.	2	8	6.90E-01
.	.	7	20	3.91E-01
.	.	0	8	8.29E-01
6.15E-01	0.50	3	19	1.88E-01
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.	.	4	9	8.50E-01
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.	.	14	37	3.60E-01
.	.	1	8	3.34E-01
1.96E-01	2.50	4	21	3.99E-01
.	.	4	15	9.12E-01
9.17E-01	0.86	7	32	7.59E-01
.	.	6	17	5.14E-01
.	.	2	7	6.54E-01
.	.	2	7	8.29E-01

8.84E-02	4.00	3	12	3.66E-01
.	.	1	9	8.35E-01
.	.	1	5	1.55E-01
.	.	1	3	.
9.81E-01	0.97	2	20	5.62E-01
9.90E-01	0.99	2	19	8.34E-01
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.	.	0	11	1.59E-01
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.	.	11	45	9.36E-01
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.	.	4	25	9.80E-01
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.	.	2	26	2.80E-01
.	.	10	22	1.88E-01
.	.	2	5	4.91E-01
.	.	5	7	1.20E-01
.	.	2	8	4.08E-01
.	.	2	15	4.93E-01
.	.	3	5	9.77E-01
.	.	2	10	9.38E-01
.	.	4	20	5.43E-01
.	.	12	83	9.59E-02
.	.	7	24	5.60E-01
.	.	6	20	5.57E-01
.	.	0	2	.
.	.	1	7	8.67E-01
1.78E-01	2.91	4	16	1.89E-01
.	.	2	5	3.93E-01
.	.	4	23	5.46E-01
.	.	1	4	3.00E-01
.	.	1	10	1.60E-01
.	.	0	5	6.55E-01
3.83E-02	0.11	4	21	7.52E-01
.	.	4	14	8.34E-01

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.	.	3	9	7.03E-01
.	.	2	5	5.30E-01
.	.	4	31	4.15E-01
.	.	0	15	1.47E-01
.	.	5	27	8.87E-01
.	.	0	7	6.59E-01
.	.	5	10	8.69E-01
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.	.	4	11	8.19E-01
.	.	6	16	1.10E-01
.	.	2	3	8.17E-01
.	.	0	14	2.15E-01
.	.	28	116	7.61E-01
.	.	15	71	4.56E-01
.	.	0	0	.
.	.	28	96	6.03E-01
.	.	1	3	.
.	.	3	7	5.56E-01
.	.	2	4	6.06E-01
8.29E-01	0.81	5	24	5.43E-01
9.86E-01	0.98	10	52	8.99E-01
.	.	2	7	5.65E-01
9.87E-01	1.01	10	38	5.11E-01
.	.	0	5	6.37E-01
.	.	0	3	.
.	.	0	0	.
.	.	0	13	2.74E-01
.	.	1	2	.
.	.	2	9	5.16E-01
.	.	0	1	.
.	.	2	4	6.50E-01
.	.	2	11	5.24E-01
.	.	2	6	8.44E-01
.	.	19	49	8.17E-02
.	.	17	61	6.73E-01
9.30E-01	0.96	9	44	7.47E-01
.	.	3	10	3.34E-01
.	.	1	6	8.37E-01
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.	.	1	18	4.13E-01
2.14E-01	2.43	7	14	1.49E-01
.	.	8	22	2.60E-01
2.43E-01	4.40	14	65	7.62E-01
.	.	26	115	6.26E-01
4.68E-01	2.16	16	80	4.99E-01
.	.	3	9	4.54E-01
.	.	4	15	5.89E-01
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.	.	1	2	.
.	.	5	25	8.92E-01
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.	.	0	1	.
.	.	3	13	2.47E-01
.	.	4	14	3.34E-01
.	.	4	35	1.91E-01
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.	.	0	3	.
.	.	0	8	6.21E-01
.	.	1	1	.
.	.	0	7	5.52E-01
.	.	0	2	.
7.84E-02	2.96	11	23	1.28E-03
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.	.	0	3	.
.	.	1	2	.
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.	.	0	5	2.50E-01
.	.	5	21	9.02E-01
.	.	5	10	1.18E-01
.	.	4	7	3.51E-02
.	.	6	27	9.39E-01
.	.	3	6	5.89E-01
.	.	2	4	1.80E-01
.	.	9	29	1.47E-01
.	.	2	11	6.53E-01
.	.	0	2	.
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.	.	5	7	2.07E-01
.	.	1	4	3.12E-01

.	.	3	19	9.22E-01
.	.	7	13	1.99E-01
.	.	0	8	3.88E-01
.	.	0	4	.
.	.	0	9	2.87E-01
.	.	0	5	5.77E-01
.	.	0	6	6.19E-01
.	.	22	74	1.89E-01
.	.	0	6	7.05E-01
.	.	8	58	4.90E-01
.	.	0	0	.
.	.	3	29	4.94E-01
9.70E-01	0.96	2	7	9.70E-01
4.35E-01	2.62	2	21	5.64E-01
.	.	8	17	3.81E-01
.	.	1	7	1.83E-01
.	.	0	1	.
9.88E-01	1.02	4	9	1.58E-01
.	.	0	0	.
.	.	0	6	9.99E-01
.	.	0	3	.
.	.	2	11	1.95E-01
.	.	2	19	5.45E-02
.	.	0	1	.
.	.	1	10	7.89E-01
.	.	0	0	.
.	.	0	28	2.07E-02
.	.	1	22	2.72E-01
.	.	3	16	9.83E-01
.	.	9	44	6.25E-01
.	.	2	5	6.70E-01
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.	.	7	19	2.23E-01
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.	.	5	18	2.00E-01
.	.	1	1	.
.	.	0	3	.
.	.	0	1	.
.	.	0	1	.
6.25E-01	1.41	3	24	3.54E-01
.	.	1	6	8.76E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	4	3.77E-01
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.	.	1	3	.
7.39E-01	0.61	0	7	6.93E-01
.	.	1	5	4.37E-01
.	.	2	5	3.77E-01
.	.	1	4	7.37E-01
.	.	3	20	7.31E-01
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.	.	1	1	.
.	.	4	10	6.75E-01
.	.	0	1	.
.	.	2	10	8.09E-01
.	.	1	2	.
.	.	4	11	5.57E-01
.	.	0	3	.
.	.	0	2	.
.	.	4	1	2.28E-01
6.80E-01	0.66	6	16	1.85E-01
.	.	0	0	.
.	.	0	1	.
.	.	3	10	6.15E-01
.	.	6	17	9.05E-01
.	.	4	4	2.37E-01
.	.	3	8	2.64E-01
.	.	0	4	.
.	.	2	1	.
.	.	0	1	.
.	.	3	16	5.07E-01
.	.	3	20	2.77E-01
.	.	5	10	5.72E-01
.	.	0	2	.
.	.	6	21	6.38E-01
.	.	0	1	.
.	.	2	12	8.68E-01
.	.	3	12	6.62E-01
.	.	2	5	1.98E-01
.	.	0	3	.
.	.	1	8	5.65E-01
.	.	5	39	1.12E-01
.	.	7	15	1.76E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	2	.
.	.	0	0	.
.	.	0	3	.
.	.	1	2	.
.	.	1	3	.
.	.	3	4	5.40E-02
.	.	1	3	.
.	.	1	1	.
.	.	3	2	3.87E-02
.	.	8	38	8.07E-01
2.56E-01	1.70	6	18	3.62E-01
.	.	0	1	.
.	.	3	3	8.23E-02
.	.	0	4	.
.	.	1	0	.
3.89E-01	2.58	3	6	9.94E-02
.	.	0	2	.
.	.	0	2	.
.	.	1	5	6.72E-02
9.11E-01	0.85	3	10	6.12E-01
.	.	1	2	.
.	.	0	2	.
.	.	1	2	.
.	.	0	0	.
8.18E-01	1.26	6	21	3.80E-01
.	.	1	6	9.43E-01
.	.	4	1	2.79E-02
.	.	1	7	8.52E-01
.	.	3	6	7.95E-02
.	.	0	7	9.02E-01
.	.	1	18	2.02E-01
.	.	3	14	5.46E-01
.	.	6	25	9.26E-01
.	.	4	5	8.61E-02
.	.	11	26	3.29E-02
3.05E-02	4.41	13	53	2.03E-01
.	.	0	2	.
.	.	5	26	8.94E-01
.	.	0	1	.
.	.	2	5	1.84E-01
.	.	0	4	.

ACCEPTED MANUSCRIPT

.	.	1	4	4.82E-01
.	.	7	29	5.07E-01
6.52E-01	1.46	0	13	1.81E-01
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.	.	2	8	6.05E-01
.	.	4	16	4.83E-01
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.	.	1	1	.
.	.	0	1	.
.	.	0	0	.
.	.	3	3	3.21E-01
.	.	1	9	6.59E-01
.	.	16	55	2.25E-01
.	.	4	33	4.54E-01
.	.	5	12	9.86E-02
.	.	2	13	7.23E-01
.	.	0	1	.
.	.	4	28	5.42E-01
.	.	2	13	1.05E-01
3.95E-01	0.32	1	11	3.84E-01
.	.	0	1	.
.	.	2	2	.
.	.	0	3	.
.	.	0	5	4.09E-01
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.	.	1	2	.
.	.	2	29	1.08E-01
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.	.	1	2	.
.	.	6	21	1.77E-01
4.03E-01	1.89	4	12	8.11E-01
.	.	0	3	.
.	.	2	3	7.27E-01
.	.	1	4	6.89E-01
.	.	0	5	2.03E-01
.	.	0	5	7.37E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
2.10E-01	0.32	62	313	1.72E-01
6.72E-01	1.26	18	48	2.01E-01

.	.	4	38	4.81E-01
.	.	12	48	3.70E-01
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.	.	3	1	.
.	.	0	3	.
.	.	0	3	.
.	.	4	9	1.97E-01
.	.	0	10	7.95E-01
.	.	0	1	.
5.27E-01	0.42	1	10	2.06E-01
.	.	0	8	1.33E-01
9.80E-01	1.02	6	28	5.44E-01
.	.	2	4	4.65E-01
.	.	1	7	8.36E-01
.	.	1	4	7.00E-01
.	.	1	9	9.79E-01
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.	.	3	32	3.04E-01
.	.	2	6	5.66E-01
.	.	5	27	6.97E-01
6.58E-01	1.20	14	53	2.97E-01
.	.	0	6	2.53E-01
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.	.	1	10	4.62E-01
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.	.	0	5	9.48E-01
.	.	1	12	2.78E-01
.	.	1	8	9.97E-01
.	.	10	34	3.01E-01
9.32E-01	0.96	7	16	7.27E-01
.	.	3	17	7.72E-01
.	.	7	27	5.05E-01
.	.	1	3	.
.	.	0	2	.
.	.	4	27	8.12E-02
.	.	2	3	3.28E-01
.	.	1	2	.

.	.	1	5	7.63E-01
.	.	0	5	9.11E-01
.	.	0	6	1.73E-01
.	.	0	0	.
.	.	7	22	2.72E-01
.	.	1	5	2.42E-01
.	.	0	0	.
.	.	1	6	5.62E-01
.	.	15	68	9.61E-01
.	.	4	8	4.51E-02
.	.	2	8	3.18E-01
9.83E-01	1.02	3	31	6.23E-01
.	.	1	0	.
.	.	1	5	6.18E-01
.	.	1	6	8.39E-01
.	.	4	21	9.25E-01
8.40E-01	0.88	8	60	1.64E-01
.	.	3	16	4.51E-01
.	.	2	6	7.74E-01
2.48E-01	1.84	0	5	2.48E-01
.	.	0	2	.
.	.	0	0	.
.	.	1	1	.
.	.	0	0	.
7.68E-01	0.77	1	10	7.68E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
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.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	2	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	2	.
.	.	0	1	.
.	.	0	1	.
.	.	1	3	.
.	.	0	1	.

ACCEPTED MANUSCRIPT

.	.	1	1	.
8.00E-02	4.39	4	5	8.00E-02
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.	.	0	0	.
.	.	0	0	.
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.	.	0	3	.
.	.	2	14	3.39E-01
.	.	0	1	.
.	.	0	3	.
.	.	1	5	8.01E-01
5.31E-02	4.11	2	3	5.31E-02
.	.	0	1	.
.	.	1	15	1.59E-01
.	.	3	0	.
.	.	0	0	.
.	.	1	2	.
.	.	0	2	.
.	.	1	1	.
.	.	0	3	.
.	.	1	1	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	2	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	2	.
.	.	1	0	.
.	.	0	16	5.16E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	0	1	.
.	.	1	0	.
.	.	0	1	.
.	.	1	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	0	.
.	.	0	0	.
4.24E-01	1.98	2	8	4.24E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	3	.
.	.	1	0	.
.	.	1	1	.
.	.	0	0	.
.	.	0	0	.
.	.	2	1	.
.	.	4	1	3.22E-01
.	.	0	0	.
3.49E-01	0.32	1	4	3.49E-01
.	.	0	1	.
.	.	0	0	.
1.45E-01	3.49	4	5	1.45E-01
.	.	0	0	.
.	.	0	3	.
.	.	0	2	.
.	.	0	4	.
.	.	0	0	.
.	.	1	4	9.51E-01
.	.	0	0	.
.	.	1	1	.
.	.	0	0	.
6.24E-01	1.60	2	4	6.24E-01
.	.	2	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	2	.
1.42E-01	2.78	4	14	1.42E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	2	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	1	.
.	.	0	3	.
3.06E-01	2.19	5	10	3.06E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	1	0	.
.	.	1	1	.
8.94E-01	1.11	3	11	8.94E-01
.	.	0	2	.
1.69E-01	0.27	1	8	1.75E-01
.	.	0	0	.
.	.	3	7	2.47E-02
.	.	0	0	.
.	.	0	0	.
.	.	2	1	.
.	.	0	0	.
.	.	2	0	.
.	.	0	4	.
.	.	0	2	.
7.27E-01	0.78	3	15	7.27E-01
.	.	1	1	.
.	.	1	0	.
.	.	0	1	.
.	.	1	3	.
.	.	0	1	.
.	.	0	6	5.81E-01
.	.	0	1	.
3.00E-01	2.85	2	7	3.00E-01
.	.	0	2	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	1	.
.	.	0	4	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	1	0	.
6.23E-01	0.50	0	5	6.23E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	0	.
.	.	0	0	.
.	.	1	2	.
.	.	2	1	.
8.37E-01	1.35	1	6	8.52E-01
.	.	0	1	.
7.87E-01	1.12	7	42	7.87E-01
.	.	0	5	9.48E-01
.	.	4	13	1.80E-01
.	.	0	4	.
.	.	0	1	.
8.49E-01	1.13	3	8	7.51E-01
.	.	0	0	.
.	.	1	8	5.71E-01
3.72E-01	0.58	4	38	4.35E-01
.	.	3	13	9.44E-01
.	.	0	0	.
.	.	1	2	.
.	.	0	0	.
.	.	2	1	.
.	.	0	1	.
.	.	1	9	3.75E-01
.	.	0	0	.
.	.	0	2	.
.	.	0	2	.
.	.	8	23	6.41E-01
.	.	0	1	.
.	.	0	1	.
4.79E-03	4.53	9	14	4.79E-03
.	.	0	0	.
2.37E-01	0.64	0	7	1.91E-01
.	.	0	1	.
8.59E-01	0.91	6	28	8.59E-01
7.74E-01	1.28	2	11	9.13E-01
.	.	0	0	.
3.98E-01	2.70	7	9	1.78E-01
.	.	1	0	.
7.29E-02	0.08	0	6	7.29E-02
.	.	1	4	8.32E-01
.	.	0	0	.
.	.	0	0	.

.	.	0	0	.
.	.	0	2	.
.	.	2	0	.
.	.	0	1	.
.	.	1	1	.
.	.	0	1	.
3.71E-01	1.73	5	16	3.81E-01
.	.	0	3	.
.	.	0	2	.
.	.	0	0	.
.	.	0	1	.
.	.	0	1	.
4.63E-01	0.51	1	6	4.63E-01
8.95E-01	1.10	0	6	8.95E-01
.	.	0	13	4.60E-01
.	.	0	0	.
.	.	0	4	.
.	.	0	0	.
.	.	1	4	3.91E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	1	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
3.87E-01	0.30	0	5	3.87E-01
.	.	0	4	.
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	1	0	.
6.08E-01	0.69	0	12	5.85E-01
.	.	0	6	4.33E-01
.	.	1	0	.

.	.	0	0	.
8.46E-01	1.36	0	5	8.46E-01
.	.	0	0	.
.	.	2	1	.
.	.	0	2	.
.	.	1	1	.
.	.	0	0	.
2.85E-01	0.25	0	5	2.85E-01
.	.	0	0	.
.	.	1	0	.
.	.	0	4	.
.	.	3	1	.
.	.	0	0	.
5.20E-01	0.64	1	17	2.91E-01
2.09E-01	1.96	7	22	2.09E-01
.	.	0	0	.
.	.	0	2	.
.	.	1	3	.
.	.	0	0	.
2.77E-01	1.83	7	18	2.77E-01
.	.	0	0	.
.	.	1	0	.
.	.	0	2	.
.	.	0	0	.
.	.	0	0	.
1.40E-01	2.60	4	15	1.40E-01
.	.	0	3	.
.	.	2	0	.
.	.	0	2	.
.	.	0	0	.
.	.	0	4	.
.	.	0	2	.
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	1	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	1	.
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	3	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
7.75E-01	0.72	1	5	7.75E-01
.	.	0	1	.
.	.	0	1	.
.	.	0	3	.
.	.	3	2	7.31E-02
.	.	0	1	.
.	.	1	0	.
.	.	0	0	.
.	.	0	2	.
.	.	0	2	.
.	.	2	8	7.91E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	1	.
6.49E-01	1.31	4	25	4.23E-01
.	.	0	3	.
.	.	0	1	.
.	.	6	20	3.98E-01
.	.	1	6	2.95E-01
.	.	1	3	.
.	.	1	10	5.79E-01
.	.	0	7	1.04E-01
.	.	1	7	9.98E-01
.	.	0	5	4.03E-01
.	.	1	1	.
.	.	0	0	.
.	.	0	4	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	4	5.13E-01
.	.	3	14	9.99E-01
.	.	1	4	7.23E-01
.	.	0	1	.
6.20E-01	0.68	2	19	6.35E-01
.	.	2	1	.
.	.	2	11	3.16E-01
.	.	2	8	5.88E-01
.	.	2	7	1.33E-01
.	.	1	3	.
.	.	1	0	.
.	.	0	3	.
.	.	1	2	.
5.18E-01	1.35	9	35	5.86E-01
.	.	1	1	.
.	.	1	5	5.49E-01
5.26E-01	1.40	7	27	9.80E-01
.	.	12	45	7.44E-01
.	.	0	2	.
.	.	0	1	.
.	.	1	20	6.72E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	4	8.02E-02
.	.	2	11	6.19E-01
.	.	0	1	.
.	.	5	7	7.12E-02
2.33E-01	0.24	34	112	4.41E-01
5.77E-01	1.47	29	123	3.84E-01
8.71E-01	1.17	10	34	4.18E-01
.	.	1	15	7.41E-02
9.77E-01	0.97	1	4	9.77E-01
.	.	5	15	6.27E-01
7.77E-01	1.33	5	31	2.52E-01
.	.	0	1	.
5.45E-02	6.16	3	2	5.45E-02
.	.	7	29	5.52E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	0	.
.	.	0	1	.

ACCEPTED MANUSCRIPT

.	.	4	8	1.85E-01
.	.	0	1	.
.	.	2	11	1.84E-01
.	.	0	0	.
.	.	2	2	.
.	.	0	6	7.80E-01
.	.	1	4	9.37E-01
4.01E-02	0.07	3	12	6.90E-01
.	.	2	7	7.43E-01
.	.	1	2	.
.	.	3	1	.
.	.	2	4	1.99E-01
1.91E-01	2.07	10	21	9.59E-02
.	.	8	38	7.21E-01
.	.	1	0	.
.	.	0	7	7.46E-01
.	.	2	10	9.25E-01
.	.	3	3	7.08E-01
.	.	1	3	.
.	.	3	6	7.24E-01
.	.	1	3	.
.	.	2	7	7.71E-01
.	.	1	1	.
.	.	5	20	6.97E-01
.	.	0	2	.
.	.	0	7	5.88E-01
.	.	9	43	8.98E-01
1.57E-02	3.88	7	23	3.14E-02
3.21E-01	0.61	6	41	3.15E-01
.	.	0	2	.
.	.	0	4	.
.	.	1	3	.
.	.	0	3	.
.	.	1	20	5.76E-01
.	.	4	13	5.08E-02
.	.	5	28	8.04E-01
.	.	1	4	2.07E-01
.	.	5	10	3.38E-01
.	.	1	10	3.72E-01
.	.	1	7	9.60E-01
.	.	0	6	1.31E-01

.	.	0	4	.
.	.	0	0	.
.	.	2	5	7.12E-01
.	.	0	1	.
.	.	1	1	.
.	.	2	3	6.77E-02
.	.	1	3	.
.	.	2	9	5.88E-01
.	.	0	6	9.93E-01
.	.	3	17	1.64E-01
.	.	0	5	5.21E-01
.	.	2	6	1.04E-01
.	.	1	4	3.00E-01
.	.	2	16	2.49E-01
.	.	2	4	5.65E-01
6.34E-01	0.57	2	13	8.36E-01
4.70E-01	1.76	5	27	4.21E-01
.	.	8	36	9.57E-01
.	.	5	22	9.40E-01
.	.	0	3	.
.	.	0	0	.
.	.	2	2	.
.	.	5	15	1.45E-01
.	.	1	1	.
.	.	0	0	.
8.84E-01	1.15	11	53	4.94E-01
.	.	0	2	.
.	.	0	0	.
.	.	0	3	.
.	.	4	18	4.98E-01
.	.	0	2	.
.	.	7	21	2.55E-01
.	.	1	7	4.51E-01
.	.	15	51	2.49E-01
.	.	0	14	1.80E-01
.	.	1	14	2.75E-01
.	.	4	18	7.78E-01
.	.	0	4	.
.	.	10	39	1.59E-01
.	.	6	17	5.53E-01
.	.	2	5	1.23E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	2	11	7.45E-01
.	.	1	10	7.01E-01
.	.	1	11	5.48E-01
.	.	1	4	5.71E-01
.	.	1	8	2.45E-01
.	.	1	3	.
.	.	1	6	2.86E-01
.	.	5	8	4.02E-01
.	.	9	14	3.15E-03
.	.	6	4	5.62E-03
.	.	0	0	.
.	.	0	1	.
8.35E-02	0.38	16	109	3.56E-01
.	.	1	2	.
.	.	1	2	.
.	.	0	2	.
.	.	4	11	4.91E-01
.	.	11	27	2.00E-01
5.04E-01	0.41	3	31	3.51E-01
.	.	1	10	6.71E-01
.	.	1	0	.
.	.	0	9	4.24E-01
.	.	1	2	.
.	.	4	13	7.05E-01
.	.	2	2	.
.	.	0	3	.
.	.	0	1	.
.	.	5	10	3.59E-02
.	.	5	17	5.85E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
4.21E-01	1.71	18	52	4.22E-01
.	.	1	4	3.74E-01
.	.	1	2	.
.	.	1	9	6.67E-02
.	.	2	6	6.31E-01
.	.	2	5	5.55E-01
.	.	1	0	.
1.27E-01	2.92	4	7	7.32E-02
8.80E-01	1.25	1	4	8.80E-01

.	.	2	3	4.28E-01
.	.	1	0	.
.	.	2	11	3.21E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	2	.
.	.	0	5	7.91E-01
.	.	1	11	4.06E-01
5.44E-01	0.44	1	13	9.50E-01
.	.	4	8	9.19E-01
.	.	1	5	9.40E-01
3.99E-01	0.33	7	41	5.50E-01
.	.	0	5	5.78E-02
.	.	0	0	.
.	.	1	7	2.57E-01
.	.	1	8	8.68E-01
.	.	2	22	2.64E-01
.	.	2	3	5.42E-01
.	.	1	7	9.05E-01
.	.	1	7	9.01E-01
.	.	5	9	1.08E-01
.	.	6	19	6.23E-01
.	.	2	10	5.94E-01
.	.	9	22	7.38E-01
.	.	2	18	7.42E-01
.	.	3	7	8.19E-01
.	.	0	3	.
.	.	1	1	.
.	.	2	3	3.32E-01
.	.	1	7	8.15E-01
.	.	0	0	.
.	.	0	9	3.43E-01
.	.	1	3	.
.	.	0	8	4.00E-01
.	.	0	4	.
.	.	3	7	4.97E-01
7.76E-01	1.06	6	33	7.02E-01
.	.	0	0	.
.	.	0	4	.
.	.	0	5	1.56E-01

.	.	3	17	9.16E-01
.	.	11	42	6.43E-01
.	.	1	7	2.35E-01
.	.	0	7	9.46E-01
.	.	2	5	4.60E-01
.	.	17	75	8.60E-01
.	.	0	8	9.68E-01
.	.	1	5	6.65E-01
.	.	2	5	7.90E-02
.	.	1	3	.
.	.	0	2	.
.	.	2	3	5.16E-02
.	.	2	3	7.00E-01
.	.	0	2	.
.	.	1	1	.
.	.	2	12	6.67E-01
.	.	0	3	.
.	.	0	1	.
6.61E-01	1.22	9	42	5.44E-01
.	.	4	14	4.75E-01
.	.	0	1	.
.	.	0	0	.
.	.	2	12	4.35E-01
.	.	0	1	.
.	.	1	1	.
.	.	0	4	.
.	.	5	22	5.09E-01
.	.	1	11	5.26E-01
.	.	0	1	.
5.35E-01	0.58	3	14	8.32E-01
.	.	4	2	2.27E-01
.	.	0	2	.
1.44E-01	0.20	3	11	5.60E-01
.	.	0	5	1.19E-01
.	.	0	2	.
.	.	1	2	.
.	.	11	46	7.81E-01
.	.	0	3	.
.	.	1	2	.
.	.	2	3	1.07E-01
.	.	2	14	8.87E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	8	4.12E-02
.	.	0	0	.
.	.	0	8	5.24E-01
.	.	11	42	7.43E-01
6.12E-01	1.73	1	8	9.13E-01
.	.	3	4	4.60E-01
.	.	2	14	9.56E-01
.	.	4	14	8.43E-01
1.84E-01	3.51	6	15	3.57E-01
.	.	0	8	1.66E-02
.	.	0	8	6.82E-01
.	.	7	20	3.51E-01
.	.	3	17	9.39E-01
.	.	1	4	7.47E-01
.	.	1	1	.
4.01E-01	2.58	3	6	1.89E-01
.	.	8	15	3.09E-01
.	.	0	2	.
.	.	3	32	3.27E-01
.	.	1	3	.
.	.	0	2	.
.	.	2	8	9.03E-01
.	.	0	4	.
.	.	3	4	2.67E-02
.	.	0	3	.
.	.	0	3	.
.	.	0	1	.
.	.	3	1	.
.	.	0	0	.
.	.	1	5	7.53E-01
.	.	1	3	.
.	.	0	0	.
.	.	6	18	1.23E-01
1.89E-01	0.28	7	29	7.80E-01
.	.	3	15	6.65E-01
5.15E-01	1.49	12	77	1.59E-01
.	.	0	4	.
.	.	2	2	.
3.62E-01	2.80	7	56	2.48E-01
.	.	8	19	1.91E-01
.	.	9	37	9.19E-01

ACCEPTED MANUSCRIPT

.	.	3	14	1.87E-01
7.68E-02	5.31	3	26	7.98E-01
.	.	0	0	.
.	.	3	11	5.12E-01
.	.	0	2	.
.	.	0	0	.
.	.	3	5	7.66E-02
.	.	1	3	.
.	.	4	20	9.78E-01
.	.	14	51	2.64E-01
4.51E-01	2.10	6	26	8.31E-01
.	.	3	10	4.78E-01
.	.	10	42	6.42E-01
.	.	4	8	5.44E-01
.	.	0	3	.
.	.	1	1	.
.	.	3	26	3.01E-01
.	.	0	2	.
.	.	1	20	2.81E-02
5.78E-01	0.60	2	12	5.68E-01
.	.	0	7	3.90E-01
.	.	3	14	8.40E-01
.	.	0	0	.
.	.	0	3	.
.	.	3	6	3.67E-01
.	.	8	29	3.89E-01
1.14E-01	2.17	16	49	5.64E-01
.	.	3	1	.
.	.	5	14	3.41E-01
.	.	1	15	4.98E-01
.	.	3	11	2.24E-01
.	.	4	12	2.24E-01
.	.	4	25	5.75E-01
.	.	9	44	4.58E-01
.	.	3	13	7.75E-01
.	.	2	8	6.27E-01
.	.	4	38	5.03E-02
.	.	1	5	9.20E-01
3.59E-02	8.52	3	4	8.70E-02
4.29E-01	1.74	15	42	6.73E-03
.	.	7	37	9.23E-01

3.10E-01	0.54	5	34	3.07E-01
.	.	7	26	4.02E-01
.	.	0	1	.
.	.	1	13	4.49E-01
.	.	3	6	7.12E-01
.	.	6	25	9.40E-01
.	.	1	4	4.37E-01
.	.	4	17	7.71E-01
.	.	1	7	6.90E-01
.	.	8	37	8.61E-01
.	.	0	3	.
.	.	8	39	9.45E-01
.	.	5	29	6.98E-01
.	.	3	11	4.86E-01
.	.	1	13	3.60E-01
.	.	6	4	3.42E-03
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7.89E-01	1.11	7	38	8.97E-01
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.	.	3	22	2.40E-01
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3.37E-01	2.48	0	7	9.49E-01
.	.	2	5	1.28E-01
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.	.	4	40	7.24E-01
.	.	10	32	9.40E-01
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.	.	2	4	6.84E-01
.	.	8	29	3.49E-01

.	.	1	18	1.86E-01
.	.	1	5	7.49E-01
7.83E-01	1.48	6	21	1.57E-01
.	.	5	9	2.73E-01
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.	.	4	13	3.68E-01
.	.	6	23	4.95E-01
.	.	2	16	1.52E-01
3.36E-02	5.11	2	3	3.36E-02
.	.	1	2	.
.	.	3	4	2.83E-01
.	.	5	5	8.62E-02
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1.22E-01	4.07	4	4	3.63E-01
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.	.	4	29	2.89E-01
.	.	5	20	5.72E-01
.	.	0	9	2.67E-02
6.26E-01	1.28	2	13	6.95E-01
.	.	0	9	6.57E-01
.	.	6	27	6.02E-01
.	.	1	6	8.18E-01
3.52E-01	3.51	11	48	9.88E-01
.	.	7	10	1.13E-01
.	.	1	5	6.28E-01
.	.	1	4	8.84E-01
.	.	2	4	6.31E-01
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.	.	6	24	5.70E-01
.	.	13	41	2.86E-01
6.52E-01	0.54	2	12	8.97E-01
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.	.	1	11	7.25E-01
.	.	11	46	6.07E-01
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.	.	4	25	2.82E-01
.	.	0	12	3.74E-02
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.	.	4	8	5.93E-01
8.08E-01	1.28	2	5	8.00E-01
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.	.	1	8	9.44E-01
.	.	1	5	8.73E-01
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1.31E-01	0.12	0	6	1.29E-01
.	.	1	10	7.03E-01
.	.	2	4	2.38E-01
.	.	0	0	.
6.81E-03	8.48	4	6	6.81E-03
.	.	6	19	3.72E-01
.	.	3	16	8.36E-01
.	.	0	9	2.19E-01
.	.	2	11	6.09E-01
.	.	2	3	4.09E-01
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ACCEPTED MANUSCRIPT

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.	.	1	13	8.54E-01
.	.	1	7	5.41E-01
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.	.	0	0	.
7.21E-02	1.92	11	22	6.14E-02
.	.	4	7	4.70E-01
.	.	0	8	9.35E-02
.	.	1	4	7.69E-01
.	.	2	15	4.95E-01
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.	.	2	12	8.89E-01
.	.	5	14	1.23E-02
.	.	1	5	4.80E-01
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.	.	1	11	6.65E-01
.	.	2	22	8.75E-01
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5.72E-01	1.89	21	67	3.99E-01
.	.	4	12	2.83E-01
.	.	2	6	5.76E-01
.	.	0	10	7.90E-01
.	.	0	1	.
.	.	8	27	1.44E-01
5.16E-01	1.25	9	44	5.52E-01
.	.	5	10	2.28E-01
.	.	5	32	7.75E-01
.	.	7	30	6.18E-01
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ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	2	7	4.67E-01
.	.	11	32	5.33E-01
.	.	16	73	5.26E-01
1.93E-01	3.49	2	7	2.49E-01
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.	.	5	21	9.16E-01
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6.65E-01	1.47	10	39	4.09E-01
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.	.	2	3	2.98E-02
.	.	6	20	8.07E-01
.	.	2	8	7.85E-01
.	.	4	4	3.42E-02
.	.	3	12	8.07E-01
.	.	1	1	.
.	.	0	1	.
.	.	0	7	5.31E-02
.	.	1	1	.
.	.	2	22	1.78E-01
.	.	1	6	7.82E-01
.	.	0	16	5.75E-02
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.	.	3	15	7.65E-01
2.78E-01	0.15	41	188	6.28E-01
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5.36E-01	0.39	2	8	1.81E-01
.	.	0	6	4.13E-01
.	.	0	7	2.26E-01
.	.	2	3	2.69E-01
9.34E-01	0.88	0	18	7.98E-02
.	.	3	20	8.94E-01
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8.25E-01	1.10	12	33	4.93E-01
.	.	3	12	7.62E-01

.	.	3	4	9.89E-01
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.	.	0	0	.
.	.	1	5	9.67E-01
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.	.	4	26	6.44E-01
5.33E-01	0.41	10	48	5.42E-01
9.75E-01	0.98	11	44	7.84E-01
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.	.	1	5	8.19E-01
.	.	3	10	3.78E-01
.	.	2	10	3.92E-01
.	.	1	4	3.51E-01
.	.	1	8	7.97E-01
.	.	4	23	3.13E-01
.	.	3	16	1.41E-01
.	.	0	6	3.82E-01
.	.	8	20	5.04E-01
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6.64E-01	0.80	9	35	7.31E-01
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.	.	7	9	1.38E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

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.	.	7	22	4.92E-01
.	.	1	12	7.51E-01
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.	.	1	12	5.28E-01
9.42E-01	1.06	1	9	9.42E-01
.	.	1	7	3.41E-01
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.	.	11	38	9.55E-01
1.60E-01	2.62	4	39	8.78E-01
.	.	4	23	5.26E-01
.	.	5	32	9.01E-02
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6.42E-01	0.58	2	23	5.58E-02
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.	.	13	48	6.54E-01
9.12E-02	4.13	41	216	3.39E-01
7.54E-01	1.23	33	136	9.98E-01
.	.	4	29	6.86E-01
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.	.	7	24	8.17E-01
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.	.	0	5	2.62E-01
.	.	17	62	2.67E-01
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.	.	8	30	9.44E-01
.	.	0	8	8.39E-03
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9.36E-01	1.08	1	15	2.38E-01
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1.17E-02	14.36	3	2	1.17E-02
.	.	4	7	7.16E-02
.	.	9	13	1.16E-02
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5.82E-01	1.68	8	39	8.43E-01
8.30E-01	1.24	4	8	7.30E-01
4.30E-01	2.24	3	19	8.99E-01
.	.	2	4	3.08E-01
.	.	2	2	.
.	.	1	10	6.65E-01
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.	.	0	2	.
.	.	11	32	3.08E-01
.	.	1	9	1.99E-01
.	.	5	5	7.31E-03
6.96E-01	1.28	6	22	9.81E-01
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6.88E-01	0.57	4	21	6.22E-01
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.	.	5	28	8.17E-01
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.	.	1	5	8.27E-01
.	.	13	30	1.64E-01
.	.	2	15	5.21E-01
2.00E-01	0.17	11	32	3.64E-01
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.	.	6	7	2.42E-01
.	.	2	7	1.64E-01
.	.	3	12	9.71E-01
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.	.	1	10	4.84E-01
4.95E-01	0.37	0	9	3.77E-01
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.	.	1	7	1.23E-01
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9.50E-01	0.92	10	35	9.90E-01
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.	.	9	80	9.33E-02
.	.	9	19	2.10E-01
3.49E-01	2.92	1	7	4.93E-01
6.70E-01	0.71	12	45	5.77E-01
.	.	0	14	2.09E-01
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.	.	0	9	9.89E-01
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6.04E-01	1.10	11	48	6.45E-01
.	.	9	17	6.65E-01

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.	.	1	11	3.08E-01
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7.91E-01	1.30	1	10	8.96E-01
1.24E-01	4.27	3	4	2.59E-01
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1.22E-01	0.17	3	7	2.87E-01
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.	.	2	10	6.19E-01
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.	.	5	11	5.92E-01
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.	.	13	51	7.74E-01
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.	.	6	36	1.31E-01
.	.	8	49	8.78E-01
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.	.	3	8	9.50E-01
.	.	1	4	7.32E-01
5.56E-01	2.02	3	8	1.95E-01

.	.	2	7	4.55E-01
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.	.	0	5	4.96E-01
.	.	13	31	6.64E-02
4.21E-01	2.14	2	18	1.55E-01
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.	.	2	4	8.10E-01
3.21E-01	2.60	5	16	4.43E-01
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.	.	0	9	2.31E-02
.	.	6	16	5.62E-02
.	.	4	10	4.37E-02
9.19E-01	1.12	1	10	5.19E-01
.	.	5	13	3.38E-01
9.80E-02	4.88	12	43	7.57E-01
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.	.	4	23	7.24E-01
.	.	0	5	3.63E-01
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9.33E-02	0.07	3	42	2.77E-02
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.	.	5	8	4.59E-01
.	.	5	25	4.15E-01
.	.	3	6	3.87E-01
.	.	0	18	5.79E-02
.	.	3	20	8.41E-01
.	.	0	10	3.86E-01
1.43E-02	3.88	9	25	9.17E-02
9.80E-02	2.12	18	68	6.61E-01
.	.	8	27	6.41E-01
.	.	4	8	1.58E-01
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.	.	8	29	5.94E-01
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6.15E-01	0.62	2	7	6.15E-01
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.	.	6	15	3.81E-01
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ACCEPTED MANUSCRIPT

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7.59E-01	0.72	1	6	7.59E-01
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.	.	6	35	2.67E-01
.	.	3	10	7.59E-01
.	.	2	4	7.63E-01
2.77E-01	3.01	3	6	4.29E-01
9.04E-01	1.09	5	17	5.61E-01
.	.	1	4	9.10E-01
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.	.	4	26	3.97E-01
.	.	3	5	6.65E-02
9.65E-01	0.96	1	9	9.65E-01
.	.	2	11	3.88E-01
.	.	0	0	.
.	.	8	27	5.90E-01
.	.	1	4	1.54E-01
.	.	0	5	9.57E-01
.	.	0	8	3.34E-01
.	.	2	14	1.47E-01
.	.	2	1	.
.	.	3	11	6.64E-01
.	.	1	10	2.58E-01
2.88E-01	3.31	15	51	2.06E-01
.	.	4	12	3.14E-01
.	.	0	1	.
.	.	1	6	7.30E-01
.	.	2	6	1.98E-01
.	.	1	7	7.82E-01
.	.	0	7	6.96E-01

ACCEPTED MANUSCRIPT

2.11E-01	0.31	7	58	5.88E-02
.	.	5	7	4.40E-02
.	.	1	1	.
.	.	2	11	9.59E-01
.	.	6	27	7.44E-01
.	.	1	8	4.19E-01
.	.	4	11	1.95E-01
.	.	0	0	.
.	.	2	3	2.32E-01
.	.	3	11	4.00E-01
4.32E-01	0.47	1	11	3.48E-01
4.04E-01	2.26	0	5	4.04E-01
.	.	1	4	5.92E-01
.	.	0	1	.
.	.	0	1	.
.	.	7	41	8.35E-01
.	.	0	1	.
.	.	0	1	.
.	.	0	4	.
.	.	0	0	.
.	.	1	5	7.56E-01
4.68E-03	13.69	15	35	1.75E-01
.	.	0	1	.
.	.	0	0	.
8.45E-01	1.17	3	14	5.15E-01
.	.	1	2	.
.	.	1	1	.
.	.	3	6	8.74E-01
.	.	1	16	2.09E-01
.	.	6	33	8.56E-01
.	.	0	3	.
.	.	0	0	.
.	.	1	0	.
.	.	0	0	.
.	.	0	1	.
.	.	3	4	2.29E-01
.	.	0	5	4.56E-01
3.22E-01	0.17	0	6	3.08E-01
.	.	0	7	4.75E-01
.	.	1	8	3.67E-01
.	.	3	26	4.49E-01

.	.	6	8	3.34E-01
.	.	3	6	5.36E-01
.	.	0	1	.
.	.	0	6	6.61E-02
.	.	0	4	.
.	.	6	19	4.33E-01
.	.	1	10	7.95E-01
.	.	6	27	2.49E-01
.	.	0	1	.
.	.	0	1	.
.	.	1	2	.
.	.	0	1	.
.	.	0	3	.
.	.	2	4	3.67E-01
.	.	1	4	9.05E-01
.	.	1	6	8.81E-01
.	.	1	0	.
3.09E-01	0.26	2	5	5.31E-01
9.51E-01	1.04	3	26	5.64E-01
.	.	0	2	.
.	.	1	4	2.79E-01
1.14E-01	0.35	7	26	4.29E-01
.	.	2	3	5.05E-01
2.56E-01	0.35	1	16	2.56E-01
.	.	0	3	.
.	.	0	1	.
.	.	1	11	8.16E-01
6.89E-01	0.69	3	14	4.89E-01
.	.	1	4	6.10E-01
.	.	1	2	.
.	.	11	22	2.36E-02
.	.	1	2	.
.	.	0	0	.
.	.	1	3	.
.	.	1	3	.
.	.	0	5	9.26E-01
.	.	0	1	.
.	.	1	6	1.86E-01
.	.	1	3	.
.	.	2	0	.
.	.	0	0	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	2	2	.
.	.	1	23	1.48E-01
.	.	1	7	6.94E-01
.	.	6	16	7.03E-01
.	.	0	4	.
.	.	6	14	6.13E-01
.	.	10	16	3.40E-02
.	.	0	9	2.40E-01
.	.	5	16	5.49E-01
.	.	1	5	9.76E-01
.	.	4	8	1.64E-01
.	.	0	5	8.30E-02
.	.	1	4	8.50E-01
6.23E-01	1.33	0	6	6.23E-01
.	.	0	0	.
.	.	1	3	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	2	4	4.76E-01
.	.	0	1	.
.	.	0	4	.
.	.	0	9	5.03E-01
.	.	0	7	6.31E-01
.	.	0	1	.
.	.	1	6	3.81E-01
.	.	0	1	.
.	.	7	18	4.11E-01
.	.	3	38	4.77E-01
1.54E-01	2.25	10	30	7.20E-01
6.03E-01	0.66	0	6	5.96E-01
.	.	3	22	6.34E-01
.	.	0	13	1.98E-01
.	.	2	2	.
.	.	1	1	.
.	.	0	1	.
.	.	8	31	9.42E-01
.	.	0	1	.
.	.	2	2	.
.	.	1	2	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	5	5.35E-01
.	.	0	3	.
.	.	1	4	3.26E-01
.	.	1	13	6.63E-01
.	.	8	42	7.83E-01
.	.	6	34	4.57E-01
.	.	4	34	2.29E-01
.	.	0	3	.
.	.	2	0	.
.	.	4	20	8.75E-01
.	.	0	3	.
.	.	4	12	1.50E-01
.	.	1	14	4.47E-01
.	.	7	19	2.23E-01
.	.	0	2	.
1.50E-01	0.17	0	9	1.95E-02
.	.	1	4	4.61E-01
.	.	2	4	3.65E-01
.	.	0	2	.
.	.	0	1	.
.	.	0	3	.
.	.	1	2	.
.	.	0	0	.
.	.	2	3	7.05E-01
.	.	2	7	8.35E-01
.	.	11	32	2.82E-01
.	.	1	14	9.59E-01
.	.	4	9	4.02E-01
.	.	0	4	.
.	.	3	11	8.92E-01
.	.	1	15	3.15E-01
1.44E-02	7.74	3	10	1.86E-01
.	.	3	6	8.27E-01
.	.	2	10	6.75E-01
.	.	0	9	4.11E-01
.	.	3	29	5.68E-02
.	.	4	13	1.89E-01
.	.	1	10	5.15E-01
.	.	7	17	2.69E-02
.	.	3	9	4.25E-01
.	.	1	4	2.29E-01

.	.	7	25	9.38E-01
.	.	0	1	.
.	.	1	6	8.18E-01
.	.	0	3	.
.	.	0	3	.
.	.	2	9	8.36E-01
.	.	0	4	.
.	.	0	0	.
.	.	0	2	.
.	.	2	5	3.24E-01
.	.	0	13	2.66E-02
.	.	0	1	.
.	.	1	2	.
.	.	1	5	9.32E-01
.	.	4	8	9.68E-01
.	.	1	2	.
.	.	2	2	.
.	.	0	0	.
.	.	1	9	5.54E-01
.	.	1	3	.
.	.	9	27	3.41E-01
.	.	8	29	9.41E-01
.	.	7	17	6.87E-01
.	.	1	0	.
9.32E-01	0.88	1	9	6.93E-01
.	.	2	6	1.81E-01
.	.	7	22	8.47E-01
.	.	0	0	.
.	.	2	17	2.50E-01
.	.	3	15	9.94E-01
.	.	3	10	5.69E-01
.	.	2	13	2.37E-01
.	.	0	2	.
.	.	8	28	2.40E-01
.	.	0	0	.
.	.	0	5	5.52E-01
.	.	1	1	.
.	.	1	3	.
5.26E-01	0.40	5	44	3.88E-02
.	.	0	2	.
.	.	0	2	.

.	.	0	7	4.92E-01
.	.	1	1	.
.	.	0	1	.
.	.	0	8	5.01E-01
.	.	1	0	.
.	.	3	8	1.15E-01
.	.	2	2	.
.	.	1	7	9.11E-01
.	.	3	7	7.05E-01
.	.	2	5	9.09E-02
.	.	0	10	3.83E-01
.	.	0	0	.
.	.	3	14	9.70E-01
3.39E-01	2.69	1	10	3.39E-01
.	.	7	16	5.05E-01
.	.	3	4	7.92E-03
2.99E-02	0.05	14	39	8.91E-01
.	.	0	1	.
.	.	0	6	4.01E-01
.	.	0	0	.
.	.	1	1	.
.	.	1	9	7.27E-01
3.87E-01	2.49	1	6	3.87E-01
.	.	0	0	.
1.85E-01	3.01	4	3	1.85E-01
.	.	1	4	3.09E-01
7.95E-01	1.52	16	51	5.77E-02
.	.	3	9	5.59E-01
.	.	0	1	.
.	.	5	14	3.18E-01
.	.	1	7	7.83E-01
.	.	3	10	4.43E-01
.	.	0	1	.
.	.	2	16	8.81E-01
.	.	0	2	.
.	.	0	3	.
.	.	1	4	3.41E-01
.	.	0	2	.
9.88E-01	1.02	10	72	5.40E-01
.	.	0	1	.
.	.	0	0	.

.	.	1	7	6.82E-01
.	.	0	0	.
.	.	3	17	6.08E-01
6.84E-02	3.52	6	13	7.26E-02
.	.	3	10	5.79E-01
.	.	1	9	4.49E-01
7.80E-02	0.09	7	48	1.33E-01
.	.	5	22	6.53E-01
.	.	2	1	.
.	.	0	0	.
.	.	1	9	8.74E-01
.	.	1	12	5.06E-01
.	.	5	2	6.02E-02
.	.	3	15	9.95E-01
.	.	0	7	4.16E-01
.	.	2	8	4.18E-01
.	.	4	19	2.80E-01
3.14E-01	0.41	3	26	5.79E-01
.	.	8	22	6.82E-01
.	.	0	5	3.70E-01
.	.	2	10	6.21E-01
.	.	7	32	7.39E-01
.	.	3	10	5.18E-01
.	.	5	24	6.50E-01
6.65E-01	1.29	7	37	5.37E-01
.	.	4	15	6.59E-01
.	.	3	13	7.17E-01
3.82E-01	0.29	1	11	3.65E-01
.	.	0	1	.
.	.	3	6	5.35E-01
.	.	6	19	7.84E-01
.	.	2	6	4.64E-01
.	.	0	4	.
.	.	0	4	.
.	.	5	19	5.85E-01
.	.	0	1	.
.	.	2	11	8.27E-01
.	.	2	11	5.28E-01
.	.	1	2	.
.	.	0	0	.
.	.	0	3	.

.	.	5	28	6.45E-01
.	.	0	0	.
.	.	0	2	.
1.18E-02	0.17	1	34	5.43E-03
.	.	0	1	.
.	.	1	2	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	2	4	2.24E-01
.	.	1	1	.
.	.	0	2	.
.	.	0	2	.
.	.	0	2	.
.	.	2	4	3.62E-02
.	.	0	0	.
.	.	0	3	.
.	.	4	10	7.66E-02
.	.	0	2	.
.	.	2	1	.
.	.	5	13	9.21E-01
.	.	0	3	.
.	.	4	8	1.87E-02
.	.	1	2	.
.	.	0	4	.
.	.	1	2	.
.	.	0	0	.
.	.	1	8	5.57E-01
.	.	5	3	4.73E-02
.	.	1	3	.
.	.	1	0	.
.	.	3	12	7.05E-01
.	.	1	1	.
.	.	0	2	.
.	.	3	3	3.82E-01
.	.	0	3	.
.	.	0	6	1.45E-01
6.34E-01	0.53	14	43	5.53E-01
.	.	1	5	7.75E-01
.	.	1	15	4.73E-01
.	.	18	48	1.53E-01

.	.	6	32	8.43E-01
.	.	10	51	7.03E-01
8.31E-01	1.11	13	62	5.84E-01
.	.	3	11	1.80E-01
.	.	2	4	1.48E-01
.	.	1	9	7.34E-01
.	.	2	21	8.97E-01
.	.	5	11	6.39E-01
.	.	3	4	9.73E-01
.	.	0	3	.
.	.	0	2	.
3.33E-01	3.09	3	4	3.33E-01
.	.	5	12	9.92E-02
8.15E-01	0.88	7	34	8.34E-01
.	.	0	1	.
.	.	0	5	8.27E-01
.	.	1	9	3.82E-01
.	.	9	31	2.60E-01
.	.	1	0	.
.	.	3	10	9.90E-01
.	.	6	9	1.07E-02
4.12E-01	0.34	1	11	7.84E-01
.	.	1	9	9.27E-01
.	.	0	15	2.74E-02
.	.	0	2	.
.	.	3	6	2.62E-01
.	.	0	1	.
.	.	5	12	2.68E-01
.	.	0	8	2.46E-01
.	.	2	12	3.08E-02
9.87E-01	1.02	8	14	1.60E-01
.	.	6	21	5.62E-01
.	.	0	0	.
.	.	2	5	1.86E-01
.	.	0	2	.
.	.	2	7	9.33E-02
7.64E-01	0.83	4	20	7.51E-01
.	.	1	4	5.29E-01
.	.	3	8	9.82E-01
.	.	13	96	3.92E-02
.	.	13	53	7.76E-01

.	.	2	7	8.70E-01
.	.	1	15	5.20E-01
.	.	2	10	7.28E-01
.	.	6	20	9.10E-01
.	.	6	26	5.83E-01
.	.	1	4	8.58E-01
.	.	0	8	1.22E-01
.	.	1	7	9.62E-01
.	.	2	19	8.45E-02
.	.	1	6	2.46E-01
.	.	0	9	5.69E-02
.	.	7	28	2.14E-01
.	.	4	16	8.13E-01
.	.	0	4	.
.	.	7	26	9.18E-01
.	.	5	13	3.84E-01
.	.	4	23	9.07E-01
.	.	6	27	6.57E-01
5.15E-01	1.40	15	52	7.92E-01
.	.	7	22	2.11E-01
.	.	1	15	2.55E-01
.	.	1	7	8.71E-01
.	.	1	9	3.34E-01
.	.	2	16	4.75E-01
.	.	0	7	5.53E-01
.	.	2	22	1.27E-01
.	.	7	22	5.30E-01
.	.	17	65	2.73E-01
.	.	2	13	5.10E-01
.	.	5	15	7.87E-01
.	.	6	41	8.18E-01
.	.	7	30	6.51E-01
.	.	0	4	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	2	.
.	.	10	54	7.31E-01
.	.	0	1	.
.	.	0	0	.
.	.	1	4	7.22E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

4.93E-01	0.37	2	15	2.09E-01
.	.	1	3	.
.	.	0	1	.
.	.	2	5	9.42E-01
.	.	1	2	.
.	.	10	71	1.70E-01
.	.	3	26	9.40E-01
.	.	1	4	8.30E-01
.	.	2	12	9.05E-01
.	.	3	0	.
.	.	1	14	6.29E-01
.	.	3	8	5.71E-02
.	.	5	22	9.94E-01
.	.	1	4	5.46E-01
.	.	3	4	6.97E-02
.	.	6	25	3.97E-01
.	.	1	3	.
3.24E-01	2.82	2	17	5.60E-01
.	.	7	33	8.83E-01
.	.	0	4	.
.	.	0	3	.
4.32E-01	0.60	7	23	9.79E-01
.	.	1	2	.
7.60E-01	1.27	12	36	6.32E-01
.	.	0	1	.
9.11E-01	0.92	2	11	1.91E-01
.	.	1	11	4.89E-01
.	.	1	6	6.06E-01
.	.	6	9	1.41E-02
.	.	0	0	.
.	.	11	34	2.25E-01
.	.	15	107	2.69E-01
4.65E-01	2.44	15	78	9.49E-01
.	.	0	1	.
.	.	0	3	.
.	.	1	7	1.08E-01
.	.	2	15	5.21E-01
.	.	5	4	4.38E-02
2.65E-02	2.53	14	27	2.65E-02
.	.	3	7	5.12E-01
.	.	2	13	7.48E-01

.	.	4	11	9.95E-01
.	.	5	17	7.46E-01
.	.	3	8	2.67E-01
.	.	0	0	.
.	.	2	13	6.03E-01
.	.	0	2	.
2.13E-01	3.36	2	4	2.22E-01
.	.	0	1	.
.	.	1	3	.
.	.	0	6	8.12E-01
.	.	6	11	2.33E-01
.	.	2	8	7.47E-01
.	.	0	3	.
.	.	0	3	.
9.78E-01	0.96	0	5	9.78E-01
.	.	0	8	1.51E-02
.	.	0	1	.
.	.	2	12	6.76E-01
7.20E-01	0.76	3	15	7.05E-01
.	.	3	8	1.91E-01
.	.	6	32	4.79E-01
.	.	7	12	1.10E-02
.	.	3	6	2.89E-01
.	.	0	2	.
.	.	0	2	.
.	.	0	5	4.07E-02
.	.	1	2	.
.	.	2	5	6.98E-01
.	.	2	5	7.73E-01
.	.	0	1	.
.	.	2	6	8.12E-01
.	.	0	1	.
.	.	5	4	3.17E-03
.	.	1	21	1.10E-01
.	.	2	6	3.67E-01
.	.	1	7	9.77E-01
.	.	0	9	3.52E-01
.	.	2	4	2.19E-01
.	.	4	25	8.06E-01
.	.	0	4	.
.	.	0	12	1.62E-01

.	.	11	37	6.38E-01
.	.	13	26	6.23E-02
.	.	0	6	1.34E-01
.	.	2	2	.
.	.	1	4	7.90E-01
.	.	1	5	3.73E-01
.	.	2	2	.
.	.	3	12	8.43E-01
.	.	3	5	1.74E-01
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.	.	0	0	.
.	.	2	4	2.62E-01
.	.	1	8	9.42E-01
.	.	0	5	8.39E-01
.	.	0	2	.
.	.	2	5	6.79E-01
.	.	0	0	.
.	.	2	7	3.99E-01
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.	.	0	3	.
.	.	1	5	2.43E-01
1.29E-01	0.34	7	41	3.10E-01
.	.	0	1	.
.	.	0	3	.
.	.	1	5	3.03E-01
.	.	5	10	2.64E-01
.	.	7	39	6.15E-01
.	.	1	11	4.89E-01
.	.	0	7	5.06E-01
.	.	1	3	.
.	.	0	0	.
.	.	1	1	.
.	.	2	5	4.64E-01
.	.	1	4	5.47E-01
.	.	0	3	.
.	.	0	0	.
2.53E-01	3.88	3	9	3.40E-01
.	.	0	2	.
3.68E-01	1.59	2	15	3.68E-01
1.80E-01	4.51	1	6	8.80E-01

.	.	2	5	7.20E-01
.	.	0	7	1.02E-01
.	.	0	4	.
.	.	0	1	.
.	.	7	24	9.92E-01
.	.	6	26	7.14E-01
.	.	9	20	3.56E-01
.	.	0	3	.
.	.	0	1	.
.	.	8	44	5.26E-01
.	.	5	13	3.48E-01
.	.	0	3	.
.	.	0	0	.
.	.	0	4	.
.	.	3	19	8.66E-01
.	.	8	61	7.48E-02
.	.	16	58	9.22E-01
.	.	2	10	3.61E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	11	2.91E-01
8.78E-01	0.80	12	39	1.91E-01
.	.	12	43	2.75E-01
.	.	2	23	3.03E-01
.	.	0	1	.
.	.	0	3	.
.	.	0	5	7.42E-01
.	.	5	18	6.15E-01
6.61E-01	0.85	1	10	6.47E-01
.	.	0	0	.
.	.	0	5	9.56E-01
2.79E-01	3.39	9	41	6.81E-01
.	.	1	10	9.44E-01
.	.	2	4	8.97E-01
.	.	0	0	.
.	.	2	5	4.31E-01
.	.	2	17	8.25E-01
.	.	3	9	4.73E-01
.	.	3	6	2.57E-02
.	.	7	28	5.47E-01
.	.	1	13	9.19E-02

.	.	2	1	.
.	.	3	6	3.97E-01
.	.	1	13	5.17E-01
.	.	4	19	1.36E-01
.	.	2	19	1.58E-01
.	.	1	8	4.49E-01
.	.	3	2	1.19E-01
.	.	0	7	1.81E-01
.	.	8	7	3.39E-02
.	.	6	29	8.87E-01
.	.	1	10	7.37E-01
.	.	0	8	9.66E-01
.	.	0	2	.
.	.	0	0	.
.	.	3	14	9.15E-01
.	.	4	19	1.05E-01
.	.	5	13	9.97E-01
.	.	0	9	1.06E-01
.	.	5	17	3.49E-01
.	.	15	42	8.26E-01
.	.	1	8	8.41E-01
.	.	5	16	8.23E-01
.	.	1	8	2.32E-01
.	.	3	18	7.74E-01
.	.	1	1	.
.	.	0	3	.
.	.	0	7	4.06E-01
.	.	4	9	1.01E-01
.	.	1	13	8.58E-01
.	.	1	3	.
.	.	1	16	5.37E-01
.	.	1	8	4.95E-01
.	.	5	10	3.15E-01
.	.	0	0	.
.	.	1	4	6.82E-01
.	.	0	1	.
.	.	2	12	8.96E-01
.	.	2	11	5.73E-01
.	.	0	0	.
.	.	1	2	.
.	.	0	6	2.90E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1.53E-01	3.95	2	7	3.01E-01
.	.	0	1	.
.	.	1	13	9.81E-01
.	.	4	9	5.80E-02
.	.	0	6	2.62E-01
.	.	2	11	4.73E-01
.	.	3	7	3.02E-01
.	.	0	7	7.44E-01
.	.	0	3	.
.	.	2	20	3.13E-01
.	.	1	3	.
.	.	0	1	.
.	.	0	3	.
.	.	3	6	3.47E-01
.	.	0	4	.
.	.	0	0	.
.	.	2	7	1.00E+00
.	.	0	1	.
.	.	2	8	1.30E-01
.	.	5	2	8.72E-03
.	.	0	2	.
5.26E-02	0.40	12	52	7.20E-01
.	.	6	22	7.06E-01
.	.	10	34	1.65E-01
.	.	1	2	.
.	.	0	2	.
9.01E-01	0.91	2	5	8.82E-01
.	.	9	32	6.81E-01
.	.	0	1	.
.	.	0	3	.
.	.	0	0	.
.	.	7	21	2.06E-01
.	.	8	38	9.23E-01
.	.	0	0	.
.	.	3	1	.
.	.	1	0	.
.	.	0	2	.
.	.	1	11	3.31E-01
8.36E-01	1.08	8	27	8.14E-01
.	.	6	11	9.45E-02
.	.	1	6	9.68E-01

.	.	0	4	.
.	.	0	2	.
.	.	0	0	.
7.17E-01	0.77	2	17	7.17E-01
.	.	1	3	.
.	.	1	0	.
.	.	6	34	6.35E-01
.	.	0	2	.
.	.	0	0	.
.	.	1	7	9.14E-01
.	.	1	2	.
.	.	0	3	.
.	.	2	0	.
.	.	0	4	.
.	.	0	0	.
.	.	6	23	2.84E-01
.	.	0	2	.
.	.	1	8	9.17E-01
.	.	2	1	.
.	.	0	0	.
.	.	7	27	7.81E-01
.	.	0	3	.
.	.	8	35	9.65E-01
.	.	8	37	5.20E-01
.	.	1	4	9.79E-01
.	.	2	2	.
.	.	0	1	.
.	.	1	5	8.85E-01
.	.	5	9	1.16E-01
.	.	0	15	2.19E-01
.	.	2	1	.
.	.	3	11	7.94E-01
.	.	1	2	.
.	.	1	3	.
.	.	7	20	2.17E-01
.	.	0	0	.
.	.	1	3	.
.	.	3	9	1.45E-01
.	.	0	1	.
.	.	2	3	6.55E-02
.	.	1	2	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	3	3	6.36E-02
.	.	1	6	9.12E-01
.	.	3	7	2.09E-01
8.76E-01	0.80	0	15	2.21E-01
.	.	1	6	6.69E-01
.	.	5	14	4.21E-01
.	.	3	15	8.07E-01
.	.	0	0	.
.	.	3	24	5.95E-01
.	.	1	10	6.16E-01
2.26E-01	0.15	0	15	3.67E-02
.	.	3	35	1.40E-01
.	.	13	39	1.33E-01
.	.	0	6	8.18E-01
.	.	1	16	1.55E-01
.	.	0	6	1.18E-01
.	.	0	4	.
.	.	0	1	.
.	.	0	1	.
.	.	0	1	.
.	.	0	4	.
.	.	1	1	.
.	.	1	1	.
.	.	0	2	.
.	.	9	58	8.72E-01
.	.	2	19	3.58E-02
.	.	4	19	3.52E-01
1.07E-01	0.20	2	10	3.27E-01
.	.	2	8	6.69E-01
.	.	1	4	5.66E-01
.	.	1	2	.
.	.	2	19	1.24E-01
.	.	3	6	4.40E-01
6.30E-01	0.67	4	13	6.88E-01
.	.	2	2	.
.	.	0	0	.
.	.	18	51	8.40E-01
2.92E-01	2.94	9	17	6.12E-02
.	.	3	6	3.31E-01
.	.	0	5	1.88E-01
.	.	2	9	3.10E-01

.	.	0	6	2.71E-01
9.94E-01	1.01	3	10	5.82E-01
.	.	1	4	1.54E-01
.	.	1	4	1.69E-01
.	.	0	6	7.95E-01
.	.	0	3	.
.	.	0	1	.
.	.	1	3	.
.	.	0	4	.
.	.	0	0	.
.	.	0	7	7.91E-01
.	.	2	17	6.53E-01
.	.	0	6	1.09E-01
.	.	1	2	.
.	.	2	1	.
.	.	2	4	5.58E-01
.	.	5	22	9.60E-01
.	.	1	9	2.80E-01
.	.	0	1	.
.	.	0	11	5.44E-02
.	.	1	5	8.59E-01
.	.	6	14	1.69E-01
.	.	3	9	6.81E-01
.	.	4	7	1.08E-01
.	.	0	1	.
.	.	0	3	.
.	.	0	1	.
3.76E-01	0.46	9	58	6.78E-01
.	.	0	4	.
.	.	1	8	7.59E-01
5.64E-02	5.37	9	13	7.62E-02
.	.	0	2	.
.	.	1	3	.
.	.	0	3	.
.	.	1	7	9.21E-01
.	.	14	53	9.57E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	1	.
2.81E-01	0.25	1	11	7.31E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	4	18	8.64E-01
.	.	5	6	7.08E-03
.	.	0	4	.
.	.	0	0	.
8.91E-02	5.90	18	55	4.00E-01
1.23E-01	0.10	9	49	2.83E-01
.	.	1	3	.
.	.	1	8	8.78E-01
.	.	0	2	.
.	.	0	1	.
.	.	0	0	.
.	.	1	0	.
.	.	2	17	8.29E-01
.	.	4	17	2.58E-01
.	.	0	5	6.38E-01
.	.	1	5	7.31E-01
.	.	0	3	.
.	.	2	6	5.10E-01
.	.	2	18	4.16E-01
.	.	3	16	8.40E-01
.	.	0	3	.
.	.	0	2	.
.	.	1	4	9.95E-01
.	.	2	17	1.40E-01
.	.	0	0	.
.	.	0	11	5.44E-01
4.39E-01	1.81	4	29	4.81E-01
.	.	2	8	6.99E-01
.	.	1	0	.
.	.	0	8	6.95E-01
.	.	2	10	8.77E-01
.	.	4	24	8.89E-01
.	.	4	7	3.06E-01
.	.	1	8	8.92E-01
.	.	3	3	7.39E-01
.	.	0	1	.
.	.	1	9	5.70E-01
.	.	0	7	9.78E-01
.	.	7	16	7.68E-01
.	.	0	4	.
.	.	5	11	1.92E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	3	0	.
.	.	4	27	5.29E-01
2.07E-01	0.09	0	13	8.09E-02
.	.	6	40	5.61E-01
.	.	13	50	3.03E-01
.	.	4	18	8.70E-01
.	.	2	4	9.00E-01
.	.	0	1	.
.	.	1	2	.
.	.	9	54	2.23E-01
.	.	0	0	.
.	.	2	2	.
5.10E-01	2.28	3	14	8.69E-01
.	.	6	21	2.14E-01
.	.	3	8	6.79E-01
.	.	3	14	6.43E-01
.	.	7	40	8.44E-01
.	.	0	0	.
.	.	0	5	3.44E-01
.	.	2	7	8.36E-02
.	.	3	11	2.23E-01
.	.	2	3	4.32E-01
.	.	2	3	1.81E-01
.	.	0	3	.
4.28E-01	0.64	7	37	4.45E-01
.	.	4	10	5.77E-01
.	.	0	2	.
.	.	1	3	.
.	.	0	3	.
.	.	1	23	2.85E-01
.	.	2	15	5.30E-01
.	.	2	14	9.63E-01
.	.	0	2	.
.	.	1	2	.
.	.	2	19	8.34E-01
.	.	3	7	2.55E-01
.	.	0	4	.
.	.	1	5	6.08E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.

7.81E-01	1.36	5	11	4.71E-02
9.60E-01	0.95	1	9	8.10E-01
.	.	3	8	7.99E-01
.	.	0	1	.
.	.	0	0	.
.	.	5	4	1.98E-03
.	.	1	6	9.15E-01
.	.	3	10	7.02E-01
.	.	0	1	.
.	.	3	20	6.19E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	1	3	.
.	.	0	5	9.11E-01
.	.	6	24	7.70E-01
.	.	1	4	4.91E-01
.	.	0	1	.
.	.	8	23	2.84E-01
.	.	6	28	9.30E-01
.	.	1	3	.
.	.	1	9	5.63E-01
.	.	2	3	4.25E-02
.	.	0	4	.
.	.	3	12	7.23E-01
.	.	3	7	6.29E-01
.	.	2	12	9.93E-01
.	.	0	0	.
.	.	5	14	3.33E-01
.	.	2	1	.
.	.	1	0	.
.	.	15	61	9.78E-01
.	.	7	4	3.22E-02
.	.	1	12	5.38E-01
.	.	1	2	.
.	.	0	1	.
.	.	9	43	8.13E-01
.	.	0	2	.
.	.	2	12	4.28E-01
.	.	4	3	9.96E-02
.	.	0	2	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	2	.
.	.	2	15	9.86E-01
.	.	1	2	.
.	.	6	6	2.45E-01
.	.	2	17	9.50E-01
.	.	2	0	.
.	.	1	3	.
.	.	1	1	.
.	.	1	1	.
.	.	3	1	.
.	.	0	1	.
.	.	0	12	1.04E-02
.	.	2	8	7.27E-01
.	.	0	3	.
.	.	2	5	5.28E-01
.	.	4	4	1.54E-01
.	.	2	7	9.46E-01
.	.	1	3	.
.	.	0	11	1.36E-01
.	.	8	19	4.32E-01
.	.	1	7	4.00E-01
.	.	1	15	7.41E-01
.	.	2	3	7.33E-01
.	.	7	37	4.49E-01
.	.	0	8	9.51E-01
1.92E-02	4.93	15	59	4.02E-01
.	.	0	3	.
.	.	2	8	9.83E-01
.	.	0	4	.
.	.	0	5	5.52E-02
.	.	0	5	5.08E-01
.	.	1	17	5.15E-01
.	.	2	3	4.09E-01
.	.	6	29	9.89E-01
.	.	0	2	.
.	.	1	5	9.37E-01
.	.	0	2	.
.	.	3	14	6.23E-01
.	.	3	4	1.80E-01
.	.	0	2	.
.	.	2	2	.

ACCEPTED MANUSCRIPT

.	.	0	0	.
.	.	3	4	1.21E-01
.	.	0	6	4.92E-01
.	.	0	2	.
.	.	1	3	.
.	.	4	5	4.04E-01
.	.	0	1	.
.	.	0	2	.
.	.	3	12	7.45E-01
.	.	6	22	1.98E-01
.	.	0	2	.
.	.	1	7	8.12E-01
3.79E-01	2.50	5	17	3.30E-01
.	.	1	8	1.41E-01
.	.	9	45	9.96E-01
.	.	7	45	7.37E-01
.	.	20	56	1.96E-01
.	.	10	45	6.36E-01
.	.	0	1	.
.	.	2	25	2.40E-01
.	.	2	3	4.57E-01
.	.	6	13	6.51E-01
.	.	0	1	.
1.04E-01	4.50	3	5	1.04E-01
.	.	2	5	2.24E-01
.	.	10	52	8.70E-01
.	.	1	5	2.10E-01
.	.	0	5	1.53E-01
.	.	7	30	5.30E-01
6.78E-01	0.55	15	81	9.29E-01
2.83E-01	3.76	7	14	5.38E-02
3.71E-01	0.46	19	71	8.29E-01
.	.	0	11	4.13E-01
.	.	6	28	3.98E-01
.	.	0	3	.
.	.	21	43	1.79E-02
.	.	0	0	.
.	.	2	16	2.06E-01
.	.	2	9	4.63E-01
1.26E-01	1.91	10	34	1.26E-01
.	.	4	21	4.59E-01

.	.	0	1	.
.	.	6	28	5.16E-01
5.76E-01	2.57	10	39	9.06E-01
.	.	4	7	1.55E-01
9.57E-01	1.05	2	12	8.76E-01
.	.	0	3	.
.	.	0	5	9.87E-01
.	.	0	0	.
4.75E-01	0.56	1	36	3.05E-01
.	.	0	1	.
.	.	0	2	.
.	.	1	6	7.87E-01
5.45E-01	0.73	2	20	5.45E-01
.	.	3	11	3.99E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	1	9	4.34E-01
.	.	1	4	6.99E-01
.	.	0	1	.
.	.	1	0	.
.	.	1	3	.
.	.	1	3	.
.	.	0	8	2.20E-01
.	.	0	2	.
.	.	0	8	5.34E-01
.	.	0	5	5.56E-01
.	.	0	0	.
.	.	0	3	.
.	.	0	0	.
.	.	0	0	.
.	.	3	8	5.19E-01
.	.	5	4	1.13E-02
.	.	4	21	9.98E-01
.	.	3	9	2.32E-01
.	.	0	5	8.07E-01
.	.	4	41	6.43E-02
.	.	3	23	1.94E-01
.	.	1	1	.
7.52E-01	1.19	6	1	7.52E-01
.	.	5	21	7.57E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	8	6.11E-01
.	.	1	5	7.05E-01
.	.	1	3	.
8.57E-01	0.87	4	25	6.65E-01
.	.	1	1	.
.	.	0	1	.
.	.	3	5	8.55E-01
.	.	8	26	4.08E-01
.	.	2	6	9.24E-01
.	.	0	10	2.37E-01
.	.	4	21	6.73E-01
.	.	3	16	7.05E-01
.	.	3	8	9.18E-01
.	.	1	2	.
.	.	0	5	6.81E-01
.	.	3	7	5.35E-01
.	.	0	1	.
.	.	7	34	9.22E-01
3.76E-02	2.66	11	23	8.99E-02
.	.	0	3	.
.	.	0	1	.
.	.	3	8	8.47E-01
.	.	1	3	.
.	.	2	14	5.31E-01
.	.	12	58	8.17E-01
.	.	1	4	6.70E-01
.	.	2	8	6.16E-01
.	.	3	3	2.92E-02
.	.	3	7	7.77E-01
.	.	1	3	.
.	.	13	49	3.60E-01
.	.	2	5	6.82E-01
.	.	12	14	1.01E-02
.	.	2	12	1.66E-01
.	.	0	2	.
.	.	3	4	9.22E-01
.	.	2	13	8.31E-01
.	.	1	4	1.70E-01
.	.	0	3	.
.	.	6	10	7.29E-02
.	.	2	8	3.17E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	3	.
.	.	5	48	2.52E-02
.	.	2	3	5.13E-01
.	.	2	10	8.76E-01
.	.	0	0	.
.	.	5	19	4.96E-01
.	.	1	11	3.50E-01
.	.	0	7	7.84E-01
.	.	3	3	9.21E-01
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.	.	9	64	5.32E-01
.	.	3	5	1.82E-01
.	.	4	15	5.49E-01
.	.	2	6	4.71E-01
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.	.	1	10	7.66E-01
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.	.	2	9	9.23E-01
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8.22E-01	1.41	1	5	8.22E-01
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.	.	6	24	7.26E-01
.	.	3	10	2.06E-01
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.	.	2	5	9.93E-01
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.	.	1	5	9.16E-01
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.	.	1	11	4.20E-01
.	.	1	8	4.71E-01

ACCEPTED MANUSCRIPT

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7.72E-01	0.75	2	12	4.42E-01
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.	.	4	23	5.50E-01
.	.	2	8	5.30E-01
6.68E-01	0.52	40	182	8.56E-01
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7.59E-01	0.81	3	12	7.59E-01
7.43E-01	0.62	3	18	7.70E-01
3.26E-01	0.36	5	21	8.58E-01
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9.81E-01	1.04	1	7	5.83E-01
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8.54E-01	1.22	27	141	7.30E-01
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1.19E-01	0.13	4	8	7.86E-01
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5.34E-01	0.41	5	19	9.03E-01
.	.	4	14	1.74E-01
.	.	9	36	6.87E-01
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9.88E-01	1.01	19	89	8.64E-01
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8.69E-01	1.19	2	5	2.47E-01
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.	.	3	14	7.93E-01
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.	.	3	8	4.92E-01
6.48E-01	1.58	3	11	9.17E-01
4.33E-01	1.60	6	15	2.99E-01
.	.	1	9	6.92E-01
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9.49E-01	1.07	9	28	6.66E-01
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8.29E-01	1.10	15	46	6.29E-01
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3.90E-01	1.72	6	33	6.84E-01
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.	.	7	23	6.39E-01
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5.32E-01	1.33	3	32	7.99E-01
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6.76E-01	0.73	7	26	9.55E-01
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.	.	6	25	4.70E-01
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4.53E-01	1.32	9	20	5.29E-01
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.	.	9	25	3.68E-01
.	.	14	71	4.16E-01
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.	.	0	5	8.73E-01
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1.25E-01	0.24	3	21	1.12E-01
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3.61E-01	1.72	6	26	3.75E-01
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.	.	1	6	3.11E-01
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5.42E-01	1.76	5	12	7.92E-01
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3.69E-01	3.01	2	4	3.81E-01
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.	.	5	21	4.38E-01
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2.05E-01	0.23	2	5	2.05E-01
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6.68E-01	1.55	7	47	5.20E-01
1.73E-01	3.38	14	62	9.26E-01
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ACCEPTED MANUSCRIPT

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7.31E-01	1.73	4	13	7.58E-01
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2.76E-01	2.11	33	114	2.12E-01
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2.37E-01	0.24	3	11	8.94E-01
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4.72E-01	2.05	8	57	2.13E-01
3.15E-01	0.33	8	8	1.58E-01
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7.96E-01	1.16	7	22	5.38E-01
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6.23E-01	0.48	0	7	6.23E-01
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.	.	1	9	6.87E-01
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3.14E-01	0.27	0	14	1.38E-01
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.	.	7	24	5.98E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	2	.
.	.	2	0	.
.	.	1	3	.
.	.	0	3	.
.	.	0	1	.
.	.	2	10	4.78E-01
.	.	1	5	4.82E-01
8.60E-01	1.23	3	21	3.12E-01
.	.	0	1	.
.	.	0	1	.
.	.	0	3	.
.	.	7	42	3.18E-01
.	.	2	31	2.63E-01
.	.	10	48	9.34E-01
.	.	5	9	2.35E-01
.	.	17	72	7.93E-01
.	.	5	39	8.33E-01
.	.	2	2	.
.	.	9	31	2.44E-01
.	.	12	49	4.26E-01
2.16E-01	2.81	14	32	1.51E-01
6.29E-01	0.51	9	64	1.04E-01
2.70E-01	0.46	2	30	8.66E-02
.	.	1	6	4.62E-01
.	.	3	9	6.23E-01
.	.	2	5	6.91E-01
.	.	2	5	8.15E-01
.	.	1	3	.
.	.	4	19	3.22E-01
.	.	3	8	2.02E-01
.	.	3	6	1.63E-01
.	.	0	4	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	3	16	7.47E-01
.	.	0	2	.
.	.	0	2	.
.	.	2	1	.
.	.	5	4	2.04E-02
.	.	0	2	.
.	.	0	6	6.85E-01
.	.	1	11	2.40E-01
.	.	1	5	5.98E-01
.	.	9	29	6.05E-01
.	.	0	2	.
.	.	0	3	.
9.25E-01	1.06	9	39	6.22E-01
.	.	1	3	.
3.69E-01	2.52	5	10	2.19E-01
.	.	2	6	7.96E-01
.	.	0	4	.
.	.	1	9	3.64E-01
.	.	2	17	7.83E-01
.	.	0	2	.
.	.	2	6	9.91E-01
.	.	3	14	8.93E-01
.	.	7	32	5.34E-01
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.	.	3	11	9.76E-01
.	.	3	11	2.64E-01
.	.	1	8	2.87E-01
.	.	5	20	4.22E-01
.	.	2	16	6.08E-01
.	.	1	4	9.33E-01
.	.	1	4	3.17E-01
.	.	0	8	3.84E-02
.	.	4	26	2.40E-01
.	.	6	20	3.28E-01
.	.	5	26	2.62E-01
.	.	3	9	2.91E-01
.	.	4	7	3.57E-01
.	.	5	24	6.06E-01
.	.	2	3	1.09E-01
2.48E-01	1.82	9	23	5.90E-01

.	.	1	13	2.29E-02
.	.	6	9	1.10E-01
.	.	7	24	5.94E-01
.	.	2	11	6.71E-01
4.02E-01	0.39	4	17	4.02E-01
.	.	1	10	3.66E-01
.	.	10	65	1.28E-01
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5.95E-01	0.47	3	13	5.41E-01
.	.	0	1	.
.	.	1	9	5.99E-01
.	.	1	9	6.89E-01
1.21E-01	2.59	6	13	1.51E-01
.	.	0	9	1.34E-01
.	.	2	7	6.36E-01
.	.	5	13	6.12E-01
.	.	1	2	.
.	.	1	7	7.18E-01
.	.	5	6	6.93E-02
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.	.	0	5	6.02E-01
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.	.	0	2	.
.	.	4	31	5.03E-01
.	.	3	16	3.54E-01
.	.	5	33	6.90E-01
.	.	9	21	1.16E-01
5.02E-01	0.39	0	10	3.81E-01
.	.	1	4	4.93E-01
.	.	5	25	8.54E-01
.	.	2	5	3.44E-01
.	.	3	15	4.53E-01
.	.	2	21	2.30E-01
.	.	10	29	1.96E-02
.	.	2	1	.
.	.	2	12	8.60E-01
.	.	1	10	9.88E-01
.	.	0	6	3.51E-01
.	.	0	5	8.32E-01
.	.	2	13	3.36E-01
.	.	7	9	1.46E-02

.	.	3	6	9.40E-01
.	.	3	12	7.83E-01
3.27E-01	2.83	1	8	3.96E-01
.	.	2	21	2.47E-01
.	.	1	6	8.55E-01
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.	.	3	9	3.24E-01
.	.	0	7	7.00E-01
.	.	5	30	9.47E-01
.	.	2	13	8.11E-01
.	.	2	6	7.58E-01
.	.	1	6	9.96E-01
.	.	0	4	.
.	.	4	40	2.29E-01
.	.	5	11	3.64E-01
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.	.	7	25	4.99E-01
.	.	10	35	7.18E-01
.	.	10	41	1.66E-01
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.	.	17	71	8.03E-01
6.59E-01	1.22	21	71	6.17E-01
.	.	12	38	7.06E-01
.	.	2	39	7.04E-02
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.	.	12	52	2.72E-01
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.	.	4	27	6.36E-01
.	.	4	28	6.40E-01
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.	.	17	63	5.60E-01
.	.	1	6	8.79E-01
.	.	1	3	.
7.18E-01	0.60	0	14	4.54E-01
.	.	3	15	4.70E-01
.	.	8	33	7.03E-01
4.07E-01	1.33	8	23	4.75E-01

.	.	3	4	1.05E-01
3.68E-01	0.29	1	14	3.03E-01
.	.	1	3	.
.	.	3	14	6.24E-01
.	.	3	7	8.65E-01
.	.	1	18	6.82E-02
.	.	0	8	1.08E-01
.	.	1	10	8.04E-01
.	.	5	19	7.08E-01
.	.	2	14	9.31E-01
.	.	3	9	2.33E-01
.	.	5	5	4.19E-03
.	.	4	34	6.27E-01
.	.	9	32	1.41E-01
.	.	1	2	.
.	.	7	31	4.96E-01
.	.	14	61	5.47E-01
.	.	9	48	9.50E-01
4.68E-01	1.61	5	16	8.04E-01
.	.	2	11	9.60E-01
.	.	0	8	9.98E-01
.	.	0	1	.
.	.	1	4	8.61E-01
.	.	0	3	.
.	.	3	23	5.13E-01
.	.	1	6	9.21E-01
.	.	2	4	3.35E-02
.	.	3	5	3.98E-01
.	.	0	4	.
.	.	1	1	.
.	.	1	0	.
.	.	5	22	5.95E-01
.	.	1	20	1.87E-01
.	.	7	38	8.32E-01
.	.	1	14	3.43E-01
.	.	2	2	.
.	.	0	6	4.98E-01
.	.	3	17	7.93E-01
.	.	0	4	.
.	.	0	4	.
.	.	1	3	.

.	.	3	1	.
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.	.	0	11	1.89E-02
.	.	1	5	2.47E-01
.	.	3	5	5.31E-01
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.	.	4	5	3.98E-02
.	.	10	38	3.18E-01
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.	.	0	1	.
.	.	1	4	5.75E-01
.	.	2	7	7.67E-01
.	.	3	10	8.12E-01
.	.	1	1	.
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.	.	6	12	4.80E-01
.	.	0	6	8.36E-01
.	.	2	14	4.22E-01
.	.	1	7	1.43E-01
.	.	6	32	9.47E-01
.	.	0	1	.
1.04E-01	3.06	8	19	2.60E-02
.	.	0	2	.
.	.	1	15	2.53E-01
.	.	0	0	.
.	.	0	0	.
.	.	1	3	.
.	.	0	3	.
.	.	5	10	1.07E-01
.	.	0	3	.
.	.	0	3	.
.	.	2	0	.
.	.	4	15	6.14E-01
.	.	0	2	.
.	.	7	19	1.11E-01
.	.	1	8	4.61E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

5.47E-02	0.09	0	12	4.79E-02
.	.	0	0	.
.	.	6	22	7.80E-01
.	.	3	8	4.48E-01
.	.	2	4	2.98E-01
.	.	3	4	2.21E-01
.	.	0	3	.
4.31E-01	2.25	18	81	8.48E-01
.	.	1	15	3.74E-01
.	.	5	10	5.03E-01
.	.	1	0	.
.	.	0	1	.
.	.	0	6	8.73E-01
.	.	3	13	7.44E-01
.	.	2	8	5.69E-01
.	.	2	6	4.20E-01
.	.	2	3	8.58E-01
.	.	6	36	5.53E-01
.	.	4	11	3.74E-01
.	.	0	4	.
.	.	1	20	1.26E-01
.	.	2	9	5.27E-01
3.78E-01	1.81	8	20	7.61E-02
3.60E-01	2.78	4	21	9.48E-01
.	.	2	9	8.67E-01
.	.	0	4	.
1.17E-01	6.16	2	11	7.73E-01
.	.	2	11	7.00E-01
.	.	6	2	4.41E-03
.	.	14	59	1.68E-01
.	.	1	8	9.66E-01
1.67E-01	2.71	12	28	8.50E-01
.	.	3	7	7.05E-01
.	.	11	49	6.47E-01
.	.	6	14	4.92E-01
.	.	14	71	8.78E-01
.	.	4	32	3.77E-01
.	.	2	13	7.68E-01
.	.	3	10	5.08E-01
.	.	3	23	1.23E-01
.	.	3	4	1.11E-01

.	.	2	3	3.73E-02
.	.	0	1	.
.	.	5	28	8.65E-01
.	.	8	20	2.78E-01
.	.	2	16	3.60E-01
7.91E-01	1.54	13	27	3.89E-02
2.94E-01	2.22	7	26	8.68E-01
.	.	2	12	4.58E-01
.	.	16	80	6.27E-01
.	.	3	4	8.88E-02
.	.	2	12	4.56E-01
.	.	3	4	6.33E-01
.	.	9	33	4.57E-01
.	.	6	17	1.76E-01
.	.	3	37	6.14E-02
.	.	8	28	8.97E-01
.	.	0	2	.
.	.	1	8	9.09E-01
.	.	3	19	5.35E-02
.	.	6	36	1.17E-01
.	.	5	24	6.49E-01
.	.	0	9	1.29E-01
.	.	2	8	4.40E-01
.	.	4	48	1.85E-01
.	.	8	28	4.62E-01
.	.	3	15	5.75E-01
8.29E-01	1.22	4	11	8.86E-01
.	.	1	26	3.53E-01
.	.	0	6	6.59E-01
.	.	6	21	2.06E-01
.	.	0	1	.
.	.	7	33	9.90E-01
.	.	3	12	4.58E-01
.	.	1	5	7.64E-01
.	.	4	16	1.81E-01
.	.	3	17	7.25E-01
.	.	11	40	3.69E-01
.	.	8	31	8.83E-01
.	.	13	44	1.19E-01
.	.	19	67	1.27E-01
.	.	2	7	9.20E-01

.	.	0	14	7.10E-02
.	.	0	1	.
.	.	2	8	6.90E-01
.	.	9	26	2.48E-01
.	.	11	31	8.36E-01
.	.	2	11	6.04E-01
.	.	0	5	5.82E-01
.	.	7	34	7.79E-01
.	.	3	10	3.81E-01
.	.	0	13	4.12E-01
.	.	1	2	.
.	.	7	23	7.39E-01
.	.	1	8	7.31E-02
.	.	14	30	7.53E-02
.	.	0	7	9.35E-01
.	.	3	3	8.11E-01
.	.	2	7	8.12E-01
.	.	1	4	1.78E-01
.	.	0	7	6.99E-01
.	.	12	46	9.25E-01
.	.	1	4	8.30E-01
.	.	8	10	8.17E-02
.	.	1	2	.
9.59E-01	1.07	3	12	5.14E-01
.	.	0	1	.
.	.	3	3	3.96E-01
.	.	1	10	8.41E-01
.	.	2	12	8.72E-01
.	.	1	5	9.53E-01
.	.	2	15	9.07E-01
.	.	4	12	8.65E-01
.	.	1	7	2.50E-01
.	.	1	8	9.31E-01
.	.	4	12	4.57E-01
.	.	3	9	2.88E-01
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9.64E-01	0.95	1	7	9.27E-01
.	.	0	2	.
.	.	2	1	.
.	.	1	3	.
.	.	3	5	3.23E-01

7.45E-01	0.84	6	38	4.80E-01
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.	.	10	45	8.25E-01
.	.	11	55	3.54E-01
.	.	12	35	7.08E-01
.	.	1	0	.
.	.	0	2	.
.	.	3	13	6.92E-01
.	.	3	6	3.22E-01
.	.	1	10	1.42E-01
.	.	5	19	9.60E-01
5.38E-01	2.09	1	4	5.38E-01
.	.	4	11	2.02E-01
.	.	1	2	.
.	.	0	6	6.18E-01
.	.	23	61	2.02E-02
.	.	0	0	.
.	.	4	5	9.08E-02
.	.	0	4	.
.	.	3	11	8.54E-01
.	.	1	26	1.67E-01
.	.	0	2	.
.	.	2	10	9.20E-01
.	.	0	2	.
.	.	5	8	6.07E-01
.	.	1	11	6.76E-02
.	.	1	3	.
.	.	4	10	2.50E-01
.	.	7	36	6.39E-01
.	.	3	5	4.45E-01
.	.	0	4	.
.	.	2	3	6.61E-01
.	.	1	11	7.04E-01
.	.	9	33	9.28E-01
.	.	0	5	3.68E-01
.	.	5	16	8.18E-01
.	.	3	3	2.39E-01
.	.	0	3	.
.	.	2	12	9.34E-01
3.60E-01	2.69	1	7	3.60E-01
.	.	0	0	.

.	.	1	2	.
.	.	0	0	.
.	.	0	2	.
.	.	3	12	3.78E-01
.	.	1	3	.
.	.	1	4	8.74E-01
.	.	0	0	.
.	.	0	7	3.56E-01
.	.	0	3	.
.	.	1	1	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	1	1	.
.	.	2	10	4.88E-01
.	.	0	1	.
.	.	2	4	3.68E-01
.	.	4	26	5.43E-01
.	.	1	3	.
.	.	1	2	.
.	.	2	9	7.83E-01
.	.	6	19	7.10E-01
.	.	6	12	6.99E-01
.	.	8	29	4.13E-01
.	.	0	1	.
.	.	5	22	7.92E-01
.	.	6	27	7.01E-01
7.95E-01	0.76	1	11	7.95E-01
.	.	5	21	5.05E-01
.	.	2	17	3.51E-01
.	.	12	61	6.21E-01
.	.	5	13	7.43E-02
.	.	1	2	.
.	.	0	3	.
.	.	8	27	3.25E-01
.	.	0	6	1.79E-01
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.	.	0	10	6.57E-01
5.82E-01	0.52	6	27	6.43E-01
.	.	1	0	.
.	.	0	3	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	1	.
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.	.	1	2	.
3.39E-01	0.53	4	28	3.34E-01
.	.	1	8	2.10E-01
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.	.	6	10	1.26E-01
.	.	4	7	7.51E-01
.	.	5	27	5.05E-01
.	.	3	1	.
.	.	1	6	3.65E-01
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.	.	14	39	1.79E-01
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.	.	0	2	.
.	.	0	3	.
.	.	2	2	.
.	.	0	18	1.27E-01
.	.	0	0	.
.	.	1	2	.
.	.	0	9	1.61E-01
.	.	1	1	.
.	.	0	1	.
.	.	4	14	8.02E-01
.	.	13	51	9.12E-01
.	.	0	9	6.61E-02
.	.	3	9	1.00E-01
.	.	1	0	.
.	.	6	22	9.12E-01
.	.	1	2	.
.	.	0	1	.
.	.	0	3	.
.	.	1	8	9.74E-01
.	.	1	10	6.32E-01
.	.	0	5	9.99E-01
.	.	2	7	4.80E-01
.	.	10	38	8.10E-01
.	.	1	3	.
9.64E-01	1.03	4	17	8.81E-01
.	.	2	15	5.92E-01
.	.	0	4	.

ACCEPTED MANUSCRIPT

.	.	8	42	8.24E-01
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.	.	1	11	3.81E-01
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.	.	1	4	9.26E-01
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.	.	0	1	.
.	.	0	6	3.78E-01
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.	.	1	7	2.21E-01
.	.	0	1	.
.	.	0	2	.
.	.	1	2	.
.	.	10	38	5.29E-01
.	.	3	4	1.53E-02
5.25E-01	1.99	2	12	7.71E-01
.	.	3	16	8.60E-01
.	.	0	3	.
.	.	0	3	.
.	.	0	1	.
.	.	0	6	9.54E-01
.	.	0	3	.
.	.	4	6	8.28E-02
.	.	0	3	.
8.52E-01	1.22	2	6	8.52E-01
.	.	2	7	4.88E-01
8.08E-01	1.14	6	51	8.09E-01
.	.	1	4	2.19E-01
.	.	1	11	9.17E-01
.	.	0	6	1.20E-01
.	.	0	5	3.82E-01
.	.	3	8	5.49E-01
.	.	0	4	.
6.46E-01	1.14	12	40	5.47E-01
.	.	25	70	1.34E-01
.	.	1	2	.
.	.	2	18	9.72E-01
.	.	3	28	5.08E-01
4.47E-01	0.55	3	15	2.61E-01

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.	.	0	2	.
.	.	0	4	.
.	.	0	0	.
.	.	2	9	9.63E-01
.	.	4	48	1.13E-01
.	.	6	15	4.03E-02
.	.	0	7	7.48E-01
.	.	9	44	5.35E-01
.	.	1	5	8.26E-01
.	.	1	7	4.13E-01
.	.	2	17	4.56E-01
.	.	4	11	9.44E-01
.	.	1	12	1.83E-01
.	.	1	4	5.59E-01
.	.	0	0	.
.	.	3	9	6.11E-01
.	.	3	3	1.65E-01
.	.	0	5	2.33E-01
.	.	1	6	8.22E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	4	2	1.74E-01
.	.	0	0	.
.	.	0	8	4.79E-01
.	.	0	0	.
.	.	4	19	2.79E-01
.	.	0	1	.
.	.	0	2	.
.	.	5	12	2.80E-01
4.11E-01	1.75	4	21	6.11E-01
.	.	1	2	.
.	.	1	4	1.54E-01
.	.	0	0	.
.	.	1	5	7.96E-01
.	.	0	2	.
.	.	1	5	5.73E-01
.	.	1	1	.
.	.	0	4	.
.	.	13	28	3.68E-02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	5	9.08E-01
.	.	2	11	7.89E-01
.	.	0	1	.
.	.	0	0	.
9.71E-01	0.95	2	34	8.07E-02
.	.	2	0	.
.	.	3	16	7.58E-01
.	.	6	10	2.80E-01
.	.	0	4	.
.	.	3	5	6.40E-01
.	.	7	36	6.46E-01
.	.	2	3	7.72E-01
.	.	0	2	.
.	.	2	4	6.37E-01
.	.	1	0	.
.	.	0	1	.
6.21E-01	0.46	0	5	6.21E-01
8.75E-01	1.11	5	11	9.32E-01
.	.	1	3	.
.	.	0	2	.
7.15E-03	5.12	7	9	7.15E-03
.	.	2	26	2.32E-01
.	.	9	44	4.93E-01
.	.	0	4	.
.	.	5	15	1.49E-01
.	.	1	2	.
.	.	0	0	.
.	.	0	3	.
.	.	7	23	8.31E-01
.	.	1	3	.
.	.	0	0	.
5.46E-01	1.70	3	7	5.46E-01
.	.	0	3	.
.	.	0	2	.
.	.	0	8	3.00E-01
1.76E-01	0.26	2	20	1.33E-01
.	.	1	2	.
.	.	0	0	.
.	.	0	0	.
.	.	2	13	6.13E-01
.	.	1	9	9.27E-01

.	.	0	1	.
3.94E-01	2.36	5	42	4.54E-02
.	.	14	78	8.67E-01
.	.	3	12	1.72E-01
.	.	3	10	4.82E-02
.	.	7	32	3.99E-01
.	.	0	1	.
8.26E-01	1.20	5	33	7.91E-02
.	.	8	36	4.37E-01
.	.	0	7	6.05E-01
5.39E-01	1.31	13	66	6.85E-01
.	.	0	0	.
9.91E-01	0.99	5	26	9.16E-01
.	.	1	3	.
.	.	4	9	8.92E-01
.	.	1	4	2.65E-01
.	.	0	9	9.38E-01
.	.	1	3	.
.	.	1	3	.
.	.	1	5	9.54E-01
.	.	0	12	5.04E-02
.	.	3	11	7.28E-01
.	.	3	3	4.38E-01
.	.	0	0	.
.	.	11	40	2.57E-01
.	.	3	5	4.63E-02
.	.	0	0	.
.	.	0	0	.
.	.	0	3	.
.	.	1	15	1.57E-01
.	.	0	1	.
.	.	0	3	.
.	.	1	2	.
5.28E-02	3.22	9	32	6.19E-01
.	.	3	5	6.36E-01
.	.	3	20	5.12E-01
.	.	1	5	9.45E-01
.	.	1	10	3.47E-02
.	.	4	11	5.11E-01
.	.	1	10	5.33E-01
.	.	0	2	.

7.66E-01	0.71	2	10	8.37E-01
.	.	3	0	.
.	.	3	16	9.38E-01
.	.	1	0	.
.	.	5	3	1.96E-02
.	.	5	14	9.55E-01
.	.	1	7	4.28E-01
.	.	0	2	.
.	.	0	1	.
.	.	8	40	8.27E-01
.	.	1	18	4.13E-01
.	.	0	4	.
.	.	3	3	1.28E-01
.	.	2	7	4.69E-01
.	.	24	96	6.07E-01
.	.	1	23	3.08E-01
.	.	13	70	8.72E-01
.	.	1	12	3.21E-01
.	.	6	20	9.70E-01
.	.	5	27	3.76E-01
1.51E-01	0.50	29	120	3.94E-01
.	.	3	8	6.38E-01
.	.	1	8	5.96E-01
.	.	1	14	7.84E-01
.	.	0	3	.
.	.	1	2	.
9.44E-01	1.05	4	19	9.85E-01
.	.	1	7	3.98E-01
.	.	4	24	5.97E-01
.	.	4	16	8.55E-01
2.87E-01	3.36	4	12	3.28E-01
.	.	5	12	8.01E-02
.	.	16	92	9.47E-01
.	.	2	1	.
.	.	0	0	.
.	.	0	1	.
.	.	3	22	7.03E-02
.	.	8	30	3.54E-01
.	.	1	1	.
.	.	1	0	.
.	.	4	18	9.18E-01

.	.	0	4	.
.	.	0	2	.
.	.	2	3	7.99E-01
.	.	0	8	6.50E-02
.	.	6	26	4.36E-01
.	.	0	0	.
.	.	1	20	3.60E-01
.	.	1	4	9.08E-01
.	.	0	2	.
.	.	0	2	.
.	.	0	4	.
.	.	2	5	4.17E-01
.	.	2	7	7.07E-01
.	.	2	18	5.70E-01
.	.	25	90	7.64E-01
.	.	0	10	5.33E-02
.	.	1	2	.
.	.	1	0	.
.	.	0	6	9.30E-01
.	.	0	2	.
.	.	0	0	.
.	.	0	11	3.40E-01
.	.	2	3	3.05E-01
.	.	0	2	.
.	.	0	0	.
.	.	1	2	.
.	.	0	4	.
.	.	0	0	.
.	.	0	0	.
6.80E-01	1.28	11	34	3.67E-01
.	.	1	3	.
.	.	4	19	7.74E-01
.	.	0	3	.
.	.	6	11	3.23E-03
.	.	0	2	.
.	.	0	2	.
8.83E-01	0.95	12	59	8.83E-01
.	.	0	1	.
.	.	1	1	.
.	.	1	4	1.97E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	6	4.74E-01
.	.	0	4	.
.	.	1	11	9.92E-01
.	.	0	7	2.07E-01
.	.	6	25	9.53E-01
.	.	8	37	7.62E-01
.	.	0	4	.
.	.	0	8	3.13E-01
.	.	3	12	4.93E-01
.	.	5	16	5.43E-01
9.71E-01	1.03	3	13	9.71E-01
.	.	1	4	4.74E-01
.	.	0	0	.
.	.	1	8	8.07E-01
.	.	0	6	3.28E-01
.	.	1	4	2.93E-01
.	.	0	2	.
.	.	2	10	7.25E-01
.	.	0	1	.
.	.	0	6	8.73E-02
.	.	4	2	1.32E-01
.	.	1	5	2.99E-01
.	.	2	3	2.80E-01
.	.	0	9	5.16E-02
.	.	0	2	.
.	.	0	0	.
.	.	0	4	.
.	.	3	7	6.18E-01
.	.	2	1	.
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
.	.	2	7	6.57E-01
.	.	4	20	5.28E-01
9.49E-01	0.97	33	148	5.93E-01
8.89E-01	1.13	28	82	3.69E-01
.	.	2	3	1.65E-01
.	.	4	19	9.68E-01
.	.	3	6	6.55E-01
.	.	0	3	.
.	.	3	16	8.46E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	4	.
.	.	0	4	.
.	.	1	3	.
.	.	5	20	8.06E-01
.	.	1	7	4.45E-01
.	.	1	8	6.15E-01
.	.	6	18	5.04E-01
.	.	1	7	9.59E-01
.	.	1	8	3.18E-01
.	.	4	16	4.48E-01
.	.	1	12	2.66E-01
.	.	0	1	.
.	.	1	21	1.61E-01
.	.	3	6	4.87E-01
.	.	3	9	9.93E-01
.	.	9	27	1.97E-01
.	.	3	7	5.58E-01
.	.	1	3	.
.	.	3	5	3.13E-01
.	.	0	2	.
.	.	1	12	2.39E-01
7.76E-01	0.76	5	7	9.38E-01
.	.	0	3	.
.	.	1	4	6.30E-01
.	.	1	6	6.80E-01
.	.	6	20	3.52E-01
.	.	1	3	.
.	.	2	23	9.68E-02
.	.	4	16	9.93E-01
.	.	4	24	3.66E-01
.	.	2	18	2.46E-01
.	.	2	12	9.82E-01
2.97E-01	0.36	7	35	7.24E-01
.	.	5	23	8.42E-01
.	.	0	6	5.13E-01
.	.	0	2	.
.	.	0	2	.
.	.	3	1	.
.	.	3	26	6.05E-01
8.34E-01	1.17	5	29	6.04E-01
.	.	0	7	7.36E-01

.	.	1	5	9.45E-01
.	.	0	2	.
.	.	2	3	1.92E-01
.	.	11	20	1.35E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	8	3.14E-01
.	.	3	6	1.31E-01
8.02E-01	1.32	3	11	3.17E-01
.	.	0	1	.
.	.	0	0	.
.	.	3	1	.
.	.	4	7	2.69E-01
.	.	2	1	.
.	.	6	11	1.09E-01
6.67E-01	0.66	2	8	7.32E-01
.	.	1	15	2.39E-01
1.90E-01	3.92	9	34	4.15E-01
.	.	0	5	8.94E-01
6.11E-01	1.70	4	11	2.80E-01
.	.	1	1	.
.	.	12	42	4.86E-01
.	.	0	2	.
.	.	1	8	6.10E-01
.	.	5	25	7.86E-01
.	.	0	3	.
.	.	3	13	7.86E-01
.	.	0	6	5.62E-01
.	.	1	13	8.25E-01
.	.	1	1	.
.	.	1	10	2.75E-01
.	.	3	21	1.60E-01
.	.	1	2	.
.	.	1	4	6.23E-01
.	.	0	1	.
4.85E-01	1.58	4	10	5.30E-01
.	.	3	8	2.13E-01
.	.	0	1	.
.	.	0	6	9.73E-01
.	.	0	2	.
.	.	2	1	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	2	1	.
.	.	0	2	.
.	.	2	7	3.15E-01
.	.	1	3	.
.	.	5	20	9.57E-01
.	.	0	1	.
.	.	0	2	.
.	.	0	1	.
.	.	3	9	6.89E-01
2.55E-01	0.23	4	34	2.62E-01
.	.	0	3	.
.	.	3	5	5.16E-01
.	.	1	34	5.55E-02
.	.	0	2	.
.	.	3	11	6.09E-01
.	.	0	0	.
.	.	6	24	9.22E-01
.	.	1	7	9.42E-01
.	.	5	23	5.28E-01
.	.	1	5	7.70E-01
.	.	3	2	3.55E-01
.	.	3	10	5.63E-01
.	.	0	0	.
.	.	1	7	8.83E-01
.	.	8	36	7.74E-01
.	.	2	4	8.72E-01
.	.	2	2	.
.	.	10	52	8.56E-01
.	.	4	23	7.99E-01
.	.	0	1	.
.	.	1	3	.
.	.	7	13	9.21E-02
.	.	0	1	.
.	.	1	2	.
.	.	0	2	.
.	.	0	1	.
.	.	0	2	.
.	.	1	3	.
.	.	6	23	3.93E-01
.	.	3	19	8.07E-01
.	.	9	34	6.92E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	5	14	4.83E-01
.	.	0	0	.
.	.	0	6	9.46E-01
.	.	1	8	8.18E-01
.	.	0	6	1.44E-01
.	.	1	2	.
.	.	0	6	2.10E-01
.	.	4	15	9.71E-01
.	.	1	5	5.45E-01
.	.	2	4	6.54E-01
.	.	3	1	.
.	.	0	6	4.80E-01
.	.	0	16	2.90E-01
.	.	1	4	7.17E-01
.	.	3	4	4.89E-01
8.39E-01	0.83	13	32	8.56E-01
.	.	6	23	4.39E-01
.	.	0	1	.
.	.	5	18	7.69E-01
.	.	1	4	7.23E-01
.	.	1	4	8.50E-01
.	.	2	2	.
.	.	0	7	2.06E-01
.	.	5	23	4.16E-01
.	.	3	11	8.08E-01
.	.	13	35	9.96E-02
.	.	15	36	4.10E-02
.	.	1	2	.
.	.	0	0	.
5.62E-01	1.44	10	47	9.48E-01
.	.	1	1	.
.	.	5	29	7.15E-01
.	.	0	1	.
.	.	1	8	3.49E-01
.	.	0	2	.
.	.	0	3	.
.	.	1	5	9.61E-01
.	.	2	13	7.94E-01
.	.	2	1	.
.	.	0	3	.
.	.	1	2	.

.	.	0	2	.
.	.	0	3	.
.	.	0	7	7.15E-01
9.60E-01	1.04	6	14	4.83E-01
.	.	0	5	6.30E-01
.	.	0	6	3.80E-01
.	.	0	4	.
.	.	1	3	.
.	.	5	25	4.68E-01
.	.	3	12	3.45E-01
.	.	2	5	5.16E-01
2.47E-01	0.23	29	145	7.12E-01
5.73E-01	0.43	36	159	8.66E-01
.	.	1	6	5.50E-01
.	.	3	7	9.59E-02
.	.	3	8	3.26E-01
.	.	2	5	9.15E-01
.	.	6	22	3.53E-01
.	.	23	83	6.22E-01
.	.	0	0	.
.	.	1	3	.
.	.	1	11	5.55E-01
.	.	1	6	6.09E-01
.	.	2	21	8.82E-01
.	.	3	4	1.08E-01
.	.	1	6	4.64E-01
.	.	0	3	.
.	.	0	1	.
.	.	0	2	.
.	.	0	2	.
.	.	2	1	.
.	.	1	0	.
.	.	1	1	.
.	.	1	3	.
.	.	0	2	.
.	.	1	14	6.37E-01
.	.	0	2	.
.	.	0	9	2.71E-01
.	.	2	4	7.94E-01
.	.	1	6	4.40E-01
.	.	1	5	7.51E-01

.	.	1	14	4.81E-01
.	.	0	0	.
.	.	0	1	.
.	.	4	23	9.39E-01
7.51E-01	1.30	10	24	9.27E-01
.	.	1	0	.
.	.	1	1	.
.	.	0	3	.
.	.	1	6	7.95E-01
.	.	2	11	9.06E-01
.	.	3	20	8.39E-01
.	.	0	4	.
.	.	3	9	2.94E-01
.	.	0	2	.
.	.	0	0	.
.	.	2	6	1.64E-01
3.61E-01	0.35	2	9	5.75E-01
.	.	4	10	5.62E-01
.	.	1	2	.
.	.	1	4	4.46E-01
.	.	1	20	2.74E-02
.	.	2	6	2.53E-01
.	.	3	3	4.55E-02
.	.	0	5	1.01E-01
.	.	1	0	.
.	.	1	0	.
.	.	0	0	.
.	.	1	2	.
.	.	0	2	.
.	.	0	0	.
.	.	2	17	6.65E-01
.	.	2	3	4.40E-01
.	.	4	9	5.25E-01
.	.	8	35	5.68E-01
6.34E-01	1.56	3	5	8.43E-01
.	.	0	0	.
.	.	4	6	6.35E-02
.	.	3	11	7.64E-01
.	.	0	2	.
.	.	0	1	.
.	.	1	5	4.23E-01

.	.	1	9	6.97E-02
.	.	1	16	6.43E-01
.	.	0	2	.
.	.	0	4	.
.	.	1	1	.
.	.	1	7	2.82E-01
.	.	2	12	8.51E-01
.	.	1	6	6.67E-01
.	.	9	40	5.09E-01
.	.	1	5	7.36E-01
.	.	0	2	.
.	.	4	17	9.73E-01
.	.	0	0	.
.	.	2	4	2.61E-01
.	.	8	17	2.36E-01
.	.	2	14	1.11E-01
.	.	1	2	.
.	.	1	2	.
.	.	1	7	6.61E-01
.	.	3	12	6.07E-01
.	.	0	2	.
.	.	5	33	3.68E-01
.	.	2	11	8.21E-01
.	.	3	10	5.00E-01
1.10E-03	11.23	15	50	8.60E-01
2.12E-01	1.84	10	54	4.51E-01
.	.	6	51	7.62E-02
.	.	0	0	.
.	.	0	0	.
.	.	1	0	.
.	.	0	2	.
.	.	2	2	.
.	.	0	0	.
.	.	0	1	.
9.01E-01	1.07	5	10	5.45E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	3	.
.	.	0	0	.
.	.	2	5	4.76E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	0	.
.	.	0	0	.
.	.	0	2	.
.	.	0	0	.
.	.	1	1	.
.	.	0	1	.
.	.	4	6	6.16E-02
.	.	0	0	.
.	.	1	5	9.70E-01
9.96E-01	0.99	2	13	7.66E-01
.	.	1	4	1.55E-01
.	.	1	7	8.77E-01
.	.	0	3	.
.	.	0	2	.
.	.	1	5	6.42E-01
.	.	0	8	1.73E-01
.	.	2	9	6.80E-01
.	.	2	19	2.44E-01
.	.	3	4	4.95E-02
.	.	0	3	.
.	.	1	2	.
.	.	0	1	.
.	.	1	5	7.72E-01
.	.	2	4	1.12E-02
.	.	8	24	4.25E-01
.	.	1	4	1.34E-01
.	.	7	25	3.35E-01
.	.	1	2	.
.	.	1	1	.
.	.	3	6	5.48E-01
.	.	1	5	3.84E-01
.	.	0	15	4.76E-01
.	.	5	27	4.41E-01
.	.	0	0	.
.	.	2	10	9.44E-01
.	.	15	46	7.27E-02
9.44E-02	5.45	11	25	4.11E-01
.	.	4	9	5.25E-02
.	.	0	6	1.33E-01
.	.	1	7	9.13E-01
.	.	0	7	4.32E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	3	0	.
2.83E-01	1.80	4	33	7.51E-01
.	.	8	14	2.43E-01
.	.	2	2	.
.	.	4	21	8.52E-01
.	.	2	6	7.23E-01
.	.	3	23	7.42E-01
.	.	4	14	8.53E-01
.	.	1	1	.
.	.	1	2	.
.	.	11	33	6.39E-02
.	.	0	0	.
.	.	0	6	2.95E-01
.	.	2	4	5.96E-01
.	.	0	8	4.12E-01
2.96E-01	1.93	2	9	6.02E-01
.	.	0	4	.
9.86E-01	0.97	2	9	6.90E-01
.	.	4	7	2.58E-01
.	.	0	10	1.09E-01
.	.	2	6	9.09E-01
.	.	3	7	6.50E-01
.	.	2	9	4.90E-01
.	.	2	12	7.10E-01
.	.	6	7	2.07E-01
.	.	2	17	2.84E-01
.	.	3	31	6.18E-02
.	.	5	30	6.69E-01
.	.	5	6	3.44E-02
.	.	8	15	3.00E-01
.	.	0	13	5.82E-01
.	.	0	2	.
.	.	1	11	8.32E-01
.	.	2	7	3.78E-01
.	.	0	0	.
.	.	1	4	3.11E-01
.	.	0	3	.
.	.	0	1	.
.	.	0	2	.
.	.	0	0	.
.	.	0	1	.

.	.	0	0	.
.	.	2	5	3.49E-01
2.47E-01	0.31	1	14	4.17E-02
.	.	0	5	6.23E-01
.	.	3	15	4.18E-01
.	.	2	22	1.65E-01
.	.	7	24	6.96E-01
.	.	1	9	9.15E-01
.	.	9	13	4.55E-03
.	.	0	12	3.33E-01
.	.	8	28	4.91E-01
.	.	1	3	.
7.07E-01	0.91	7	75	7.07E-01
.	.	0	2	.
.	.	0	5	6.74E-01
.	.	16	40	2.75E-01
.	.	0	0	.
7.78E-01	0.72	2	6	9.34E-01
.	.	1	7	5.57E-01
.	.	7	63	5.03E-02
.	.	1	6	8.93E-01
.	.	0	0	.
.	.	1	3	.
.	.	0	1	.
1.34E-01	0.11	7	22	9.69E-01
.	.	7	16	4.41E-01
.	.	0	0	.
.	.	1	3	.
.	.	3	12	8.27E-01
.	.	7	21	8.44E-01
.	.	3	17	8.84E-01
.	.	4	14	9.20E-01
.	.	0	0	.
.	.	3	16	8.82E-01
.	.	0	10	2.49E-01
.	.	5	15	3.57E-01
.	.	1	4	6.85E-01
.	.	2	2	.
.	.	0	1	.
.	.	3	10	8.40E-01
.	.	4	35	7.14E-01

.	.	1	1	.
8.23E-02	5.13	3	5	1.22E-02
.	.	1	2	.
.	.	4	28	2.88E-01
.	.	0	1	.
.	.	0	4	.
.	.	0	5	6.86E-01
.	.	0	2	.
.	.	7	16	9.31E-02
.	.	3	12	4.89E-01
.	.	0	7	6.14E-02
.	.	5	27	7.23E-01
.	.	10	36	7.87E-01
.	.	1	8	9.81E-01
.	.	4	32	2.57E-01
.	.	2	26	1.72E-01
.	.	0	1	.
.	.	1	2	.
.	.	1	9	4.75E-01
.	.	0	4	.
.	.	0	9	5.79E-01
.	.	1	8	8.90E-01
.	.	0	3	.
.	.	5	22	8.71E-01
.	.	2	16	7.49E-01
.	.	0	2	.
.	.	19	61	1.57E-01
.	.	11	49	9.83E-01
.	.	27	83	2.36E-01
9.68E-01	1.04	3	22	8.26E-01
.	.	0	5	1.50E-01
.	.	0	1	.
.	.	2	1	.
.	.	1	3	.
.	.	3	13	7.98E-01
.	.	3	9	8.06E-01
.	.	1	17	6.28E-02
.	.	1	4	1.34E-01
.	.	1	5	8.89E-01
9.37E-01	1.05	7	80	2.58E-01
.	.	0	3	.

.	.	0	3	.
.	.	0	2	.
.	.	0	0	.
7.23E-01	1.47	5	30	7.49E-01
2.28E-01	2.18	5	13	2.28E-01
.	.	0	0	.
.	.	2	5	3.05E-01
.	.	1	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	2	.
.	.	3	6	4.08E-01
.	.	4	22	6.82E-01
.	.	0	0	.
.	.	0	2	.
.	.	0	2	.
.	.	1	4	1.87E-01
.	.	1	5	7.39E-01
.	.	5	21	4.77E-01
.	.	1	6	9.45E-01
.	.	3	5	2.80E-01
.	.	2	4	6.03E-01
.	.	4	19	6.21E-01
1.81E-01	3.47	4	8	3.26E-01
.	.	0	2	.
.	.	2	2	.
.	.	2	2	.
.	.	1	6	5.81E-01
.	.	0	1	.
.	.	0	3	.
.	.	4	17	4.09E-01
.	.	0	5	2.03E-02
3.20E-01	0.29	1	16	4.15E-01
.	.	1	2	.
.	.	0	1	.
.	.	0	0	.
.	.	3	8	7.35E-01
.	.	0	11	1.44E-01
.	.	26	98	2.15E-01
.	.	2	9	5.13E-01
.	.	2	4	8.32E-01

.	.	2	9	7.68E-01
.	.	4	14	4.57E-01
.	.	2	7	5.01E-01
.	.	11	29	9.28E-01
.	.	3	15	4.11E-01
.	.	8	42	9.27E-01
.	.	2	9	5.50E-01
.	.	0	6	4.98E-01
9.62E-01	1.05	3	14	6.65E-01
.	.	1	0	.
.	.	21	81	2.37E-01
.	.	3	18	4.21E-01
.	.	2	19	4.47E-02
9.44E-01	1.12	3	11	8.24E-01
.	.	11	38	7.31E-01
.	.	3	12	5.85E-01
.	.	6	10	9.90E-02
.	.	1	2	.
.	.	1	2	.
.	.	3	21	7.10E-01
.	.	10	26	1.10E-01
.	.	2	3	6.45E-01
.	.	0	4	.
.	.	3	22	2.67E-01
.	.	9	45	6.88E-01
.	.	5	16	2.88E-01
.	.	4	5	5.35E-02
.	.	3	14	8.09E-01
.	.	2	3	7.35E-01
.	.	5	14	2.32E-01
.	.	2	24	1.24E-01
.	.	1	16	1.30E-01
.	.	0	6	1.88E-01
.	.	3	26	8.82E-01
.	.	5	22	3.24E-01
.	.	7	30	8.42E-01
.	.	0	2	.
.	.	0	0	.
.	.	0	0	.
.	.	0	6	6.77E-01
.	.	2	3	3.37E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	3	2	1.38E-02
2.80E-01	2.75	2	7	5.38E-01
.	.	1	13	4.15E-01
.	.	1	1	.
.	.	0	1	.
.	.	3	3	2.10E-01
.	.	1	7	6.42E-01
.	.	1	4	5.75E-01
.	.	1	8	6.43E-01
.	.	2	3	7.01E-02
.	.	1	7	4.36E-01
.	.	4	13	5.72E-01
.	.	4	11	5.00E-01
.	.	7	17	2.37E-01
.	.	4	4	8.31E-02
.	.	0	5	6.49E-01
.	.	1	2	.
.	.	1	0	.
.	.	0	5	8.85E-01
.	.	0	3	.
.	.	0	2	.
.	.	0	0	.
.	.	6	10	1.56E-01
.	.	2	13	9.52E-01
.	.	4	26	7.96E-01
.	.	0	2	.
.	.	2	8	3.12E-01
1.70E-01	3.99	8	27	5.36E-01
.	.	0	1	.
.	.	0	1	.
.	.	1	1	.
.	.	0	2	.
.	.	0	2	.
.	.	0	2	.
.	.	0	0	.
.	.	0	5	9.45E-01
.	.	0	4	.
4.35E-01	0.35	5	25	4.17E-01
.	.	0	0	.
.	.	3	4	3.19E-01
.	.	5	32	3.30E-01

.	.	0	0	.
.	.	8	25	5.52E-02
.	.	0	4	.
.	.	1	2	.
.	.	5	18	2.81E-01
.	.	1	5	8.23E-01
.	.	2	5	4.75E-01
.	.	1	0	.
.	.	0	2	.
.	.	0	4	.
.	.	1	6	7.65E-01
.	.	4	15	7.60E-01
.	.	1	16	6.74E-01
.	.	11	65	9.65E-01
.	.	3	9	6.98E-01
.	.	3	8	9.74E-01
.	.	6	20	2.78E-01
.	.	2	20	1.92E-01
8.91E-01	1.10	6	17	9.39E-01
.	.	2	8	4.50E-01
7.76E-01	1.30	2	16	2.92E-01
.	.	1	18	2.99E-01
.	.	2	10	5.29E-01
.	.	3	21	5.16E-01
.	.	2	18	6.94E-01
.	.	2	6	2.11E-01
.	.	3	1	.
.	.	1	4	8.81E-01
.	.	1	11	8.58E-01
.	.	10	28	3.27E-01
.	.	4	3	2.43E-01
.	.	15	53	7.27E-01
4.77E-01	1.46	8	38	5.47E-01
6.11E-01	0.55	1	15	5.88E-01
.	.	1	7	7.64E-01
.	.	6	16	2.98E-01
.	.	2	17	9.90E-01
1.88E-01	4.83	7	19	1.24E-01
.	.	0	7	5.10E-01
.	.	2	7	6.02E-01
.	.	0	3	.

.	.	4	21	1.93E-01
.	.	0	0	.
.	.	1	0	.
.	.	1	9	8.00E-01
.	.	0	5	8.84E-01
.	.	0	0	.
.	.	0	5	6.79E-01
.	.	1	6	5.87E-01
.	.	0	2	.
.	.	0	1	.
.	.	2	9	3.22E-01
.	.	1	4	9.91E-01
.	.	0	3	.
.	.	2	1	.
.	.	1	4	7.48E-01
.	.	0	3	.
8.39E-01	1.38	2	8	7.25E-01
.	.	3	22	8.53E-01
9.15E-01	0.86	2	7	9.53E-01
.	.	1	3	.
.	.	0	12	1.15E-01
.	.	4	17	2.99E-01
.	.	7	17	9.17E-01
.	.	4	12	5.30E-01
.	.	7	27	9.51E-01
.	.	5	24	6.91E-01
.	.	2	13	1.96E-01
.	.	3	18	4.64E-01
.	.	1	1	.
.	.	4	10	6.61E-01
.	.	1	10	4.93E-01
.	.	2	4	3.97E-01
.	.	1	3	.
.	.	0	3	.
5.33E-01	1.73	14	35	4.48E-03
.	.	1	2	.
.	.	0	4	.
.	.	1	4	3.97E-01
7.96E-01	1.16	6	22	5.73E-01
.	.	2	8	5.94E-01
.	.	0	2	.

ACCEPTED MANUSCRIPT

.	.	3	16	7.35E-01
.	.	0	1	.
.	.	0	1	.
.	.	2	8	9.78E-01
.	.	1	3	.
.	.	2	6	9.27E-01
.	.	0	1	.
.	.	2	4	8.10E-01
.	.	6	27	3.22E-01
.	.	0	0	.
.	.	1	10	7.81E-01
.	.	0	0	.
.	.	1	7	4.16E-01
.	.	0	4	.
.	.	1	2	.
.	.	0	0	.
.	.	0	1	.
.	.	0	2	.
.	.	0	1	.
.	.	0	2	.
.	.	1	2	.
.	.	0	3	.
.	.	5	27	4.94E-01
.	.	10	30	3.58E-02
.	.	3	6	2.19E-01
.	.	1	8	2.32E-01
.	.	2	9	3.66E-01
.	.	0	6	7.37E-02
.	.	2	4	7.57E-01
.	.	6	18	1.01E-01
.	.	1	1	.
.	.	1	5	5.35E-01
.	.	3	12	6.31E-01
.	.	4	2	4.31E-02
.	.	0	0	.
6.01E-01	1.30	8	28	8.16E-01
.	.	0	0	.
.	.	0	2	.
.	.	0	1	.
.	.	0	2	.
.	.	3	9	6.09E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

7.91E-01	0.69	1	10	7.22E-01
.	.	0	7	8.88E-01
.	.	0	1	.
.	.	2	12	5.92E-01
.	.	0	3	.
.	.	0	0	.
.	.	0	1	.
.	.	0	1	.
.	.	0	2	.
9.81E-01	1.02	3	18	9.70E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	2	.
.	.	1	1	.
1.21E-01	0.12	8	27	8.10E-01
.	.	0	3	.
.	.	1	3	.
.	.	1	2	.
.	.	21	60	4.37E-02
.	.	0	0	.
.	.	0	0	.
.	.	0	3	.
.	.	0	1	.
.	.	0	0	.
.	.	6	6	1.20E-01
.	.	0	5	4.60E-01
.	.	4	4	4.18E-01
.	.	0	1	.
.	.	0	0	.
.	.	3	12	6.43E-01
.	.	9	34	4.73E-01
.	.	1	7	2.17E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	4	6.61E-01
.	.	3	4	4.25E-01
.	.	4	28	4.86E-01
.	.	0	1	.
.	.	0	1	.
.	.	2	4	1.64E-02
.	.	1	0	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	6	2.05E-01
.	.	1	1	.
4.13E-02	0.19	2	27	1.82E-01
.	.	0	0	.
.	.	3	3	9.17E-02
.	.	8	17	1.99E-01
.	.	1	0	.
.	.	1	5	6.99E-02
.	.	0	0	.
.	.	0	2	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	3	.
.	.	0	0	.
.	.	0	0	.
.	.	0	2	.
.	.	4	22	9.71E-01
.	.	1	4	4.46E-01
.	.	0	4	.
.	.	1	4	2.65E-01
.	.	2	10	8.66E-01
.	.	0	2	.
.	.	2	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	2	.
.	.	1	2	.
.	.	6	11	1.80E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	2	2	.
.	.	1	0	.
.	.	1	4	7.56E-01
.	.	2	3	1.25E-01
.	.	0	4	.
.	.	2	14	5.24E-01
.	.	7	11	4.71E-02
.	.	0	2	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	1	.
.	.	0	0	.
3.17E-01	0.77	11	70	3.17E-01
.	.	1	5	3.92E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	1	0	.
.	.	1	2	.
.	.	0	2	.
.	.	4	11	6.75E-01
.	.	1	13	5.83E-01
.	.	0	4	.
.	.	3	3	3.67E-01
.	.	0	6	1.89E-01
.	.	0	1	.
.	.	0	2	.
.	.	0	1	.
.	.	0	2	.
.	.	1	2	.
2.65E-01	0.25	2	9	5.02E-01
.	.	1	1	.
.	.	0	1	.
.	.	0	4	.
.	.	2	4	8.47E-01
.	.	0	11	5.97E-01
.	.	6	23	6.33E-01
.	.	0	0	.
.	.	0	3	.
.	.	0	3	.
.	.	2	4	1.68E-01
.	.	1	1	.
.	.	0	3	.
.	.	0	0	.
1.07E-01	3.86	14	66	9.47E-01
.	.	1	14	6.43E-01
.	.	1	2	.
.	.	1	0	.
.	.	1	1	.
.	.	0	0	.
.	.	0	3	.

.	.	2	9	8.38E-01
.	.	1	6	5.29E-01
.	.	1	1	.
.	.	2	6	7.69E-01
.	.	0	0	.
.	.	0	3	.
.	.	0	1	.
.	.	0	4	.
.	.	3	23	3.17E-01
.	.	0	1	.
.	.	5	38	4.69E-01
.	.	0	2	.
.	.	4	11	6.18E-01
.	.	0	2	.
.	.	0	0	.
8.68E-02	0.07	4	20	7.43E-01
.	.	0	1	.
.	.	0	2	.
.	.	15	36	1.11E-01
.	.	0	5	9.15E-01
.	.	1	9	1.57E-01
.	.	2	4	1.65E-01
.	.	0	0	.
.	.	0	1	.
.	.	2	4	6.06E-01
.	.	3	16	6.52E-01
.	.	8	30	3.76E-01
.	.	3	15	9.85E-01
.	.	0	1	.
.	.	11	36	7.05E-01
.	.	2	14	8.11E-01
.	.	4	6	1.01E-01
.	.	5	21	6.66E-01
.	.	7	27	5.30E-01
.	.	2	10	7.87E-01
5.59E-01	0.56	13	55	9.33E-01
.	.	3	19	5.61E-01
2.36E-01	3.67	5	38	6.61E-01
.	.	3	31	9.60E-02
5.01E-02	8.21	7	20	7.18E-01
.	.	6	16	8.92E-01

ACCEPTED MANUSCRIPT

9.70E-01	0.96	8	34	4.85E-01
1.36E-01	4.55	15	71	7.45E-01
3.72E-01	1.76	10	17	4.16E-02
.	.	5	21	4.36E-01
.	.	3	6	1.51E-01
.	.	2	31	2.06E-01
.	.	0	2	.
.	.	0	2	.
.	.	1	1	.
.	.	0	7	8.85E-01
.	.	1	2	.
.	.	0	1	.
.	.	18	45	8.22E-01
.	.	3	27	4.55E-01
.	.	0	3	.
.	.	0	1	.
.	.	0	4	.
.	.	0	2	.
.	.	2	4	3.04E-01
.	.	0	3	.
.	.	6	5	1.80E-02
7.66E-01	1.33	3	13	5.22E-01
7.31E-01	1.19	8	20	7.43E-01
.	.	4	26	7.18E-01
.	.	8	26	2.98E-01
.	.	3	10	9.21E-01
5.02E-02	3.85	22	53	6.95E-02
.	.	0	0	.
.	.	4	7	6.83E-01
.	.	0	1	.
.	.	5	30	9.96E-01
.	.	2	9	9.82E-01
.	.	0	3	.
.	.	0	12	2.81E-01
.	.	7	13	3.43E-01
.	.	4	18	7.84E-01
.	.	1	7	6.12E-01
.	.	2	8	2.58E-01
.	.	2	14	6.83E-01
.	.	1	4	3.32E-01
.	.	2	1	.

ACCEPTED MANUSCRIPT

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.	.	0	8	6.57E-01
.	.	2	5	1.92E-01
.	.	2	4	6.97E-01
.	.	0	3	.
.	.	1	4	4.40E-01
1.17E-01	2.16	12	23	1.09E-01
.	.	2	3	5.59E-01
.	.	1	3	.
.	.	7	37	9.57E-01
.	.	13	29	2.15E-01
.	.	0	5	9.27E-01
.	.	1	4	4.46E-01
.	.	5	28	9.03E-01
.	.	2	12	4.17E-01
.	.	3	19	5.18E-01
.	.	7	26	3.73E-01
.	.	6	29	7.87E-01
.	.	1	7	7.92E-01
5.01E-01	1.97	8	18	7.60E-01
.	.	0	5	9.56E-01
.	.	3	5	6.72E-01
.	.	0	3	.
.	.	2	7	5.80E-01
5.86E-01	2.44	3	12	5.29E-01
.	.	2	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	0	6	2.80E-01
.	.	1	2	.
.	.	3	13	3.01E-01
.	.	4	18	9.57E-01
.	.	0	1	.
.	.	2	6	5.47E-01
.	.	3	9	8.98E-01
.	.	7	61	4.46E-01
.	.	9	31	4.67E-01
.	.	32	87	1.13E-01
.	.	3	7	3.31E-01
.	.	1	4	7.40E-01
.	.	0	1	.

.	.	0	3	.
.	.	5	19	5.63E-01
.	.	6	12	5.16E-01
1.18E-01	4.61	2	5	1.64E-01
.	.	1	3	.
4.73E-02	2.24	4	9	4.73E-02
.	.	0	3	.
.	.	2	7	9.97E-01
.	.	0	1	.
.	.	3	8	2.37E-01
.	.	4	20	8.79E-01
.	.	0	0	.
6.84E-01	1.47	2	8	6.84E-01
.	.	0	5	5.56E-01
.	.	3	14	8.40E-01
.	.	12	23	1.36E-01
.	.	4	15	6.01E-01
.	.	1	3	.
.	.	3	7	1.27E-01
.	.	0	2	.
.	.	0	2	.
.	.	2	2	.
.	.	0	3	.
.	.	1	6	7.11E-01
.	.	3	12	8.95E-01
.	.	3	10	4.99E-01
.	.	0	4	.
.	.	0	2	.
.	.	2	6	9.05E-01
7.58E-02	0.10	0	13	7.40E-02
.	.	2	8	6.37E-01
3.54E-01	1.49	12	31	3.54E-01
.	.	1	5	9.32E-01
.	.	0	10	8.17E-02
.	.	0	1	.
1.40E-01	3.17	7	6	4.34E-02
.	.	1	1	.
.	.	0	1	.
.	.	0	0	.
.	.	1	0	.
.	.	6	21	9.90E-01

.	.	4	18	7.79E-01
.	.	5	25	6.70E-01
.	.	3	19	6.50E-01
.	.	10	44	8.24E-01
.	.	0	5	5.04E-01
.	.	0	3	.
.	.	1	3	.
.	.	9	37	8.91E-01
.	.	3	9	4.49E-01
.	.	1	7	9.23E-01
.	.	0	5	2.71E-01
.	.	0	6	8.43E-01
.	.	0	6	4.85E-01
.	.	2	9	5.47E-01
.	.	19	42	3.85E-03
5.31E-01	0.45	2	24	1.60E-02
.	.	1	6	9.68E-01
.	.	2	0	.
1.18E-01	0.35	2	30	1.02E-01
.	.	1	1	.
.	.	7	35	5.37E-01
.	.	3	17	3.53E-01
.	.	0	2	.
8.31E-01	1.15	6	18	9.40E-01
.	.	0	0	.
.	.	1	9	9.39E-01
.	.	0	4	.
.	.	2	8	2.65E-01
2.12E-01	0.21	14	50	5.64E-01
.	.	2	2	.
2.58E-01	1.71	9	31	2.58E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	4	.
.	.	0	2	.
.	.	2	17	5.99E-01
.	.	4	13	1.44E-01
.	.	0	3	.
.	.	0	1	.
.	.	3	6	2.71E-01
.	.	1	2	.

.	.	2	1	.
.	.	0	2	.
.	.	1	4	3.10E-01
.	.	0	0	.
.	.	1	12	8.20E-01
.	.	16	61	7.97E-01
.	.	4	10	4.62E-01
.	.	1	7	5.54E-01
.	.	0	4	.
.	.	2	12	5.47E-01
.	.	2	12	3.64E-01
.	.	16	88	4.99E-01
.	.	1	4	8.80E-01
.	.	1	10	2.82E-01
.	.	0	7	4.94E-02
.	.	5	29	9.16E-01
.	.	1	0	.
.	.	7	41	7.63E-01
.	.	1	2	.
.	.	0	2	.
.	.	2	4	3.91E-01
.	.	0	1	.
.	.	6	4	3.57E-01
.	.	1	4	5.01E-01
.	.	2	11	9.53E-01
.	.	1	2	.
.	.	4	17	5.68E-01
7.10E-01	0.64	2	16	5.18E-01
.	.	3	16	9.79E-01
.	.	0	1	.
.	.	3	6	8.59E-01
.	.	0	1	.
.	.	0	5	5.11E-01
.	.	2	4	9.72E-01
.	.	0	1	.
.	.	0	4	.
.	.	5	11	1.34E-01
.	.	0	2	.
.	.	1	3	.
.	.	0	2	.
.	.	4	16	8.75E-01

.	.	0	1	.
.	.	0	1	.
.	.	0	1	.
.	.	1	5	7.48E-01
6.36E-01	1.51	5	7	4.09E-02
.	.	2	14	2.98E-01
.	.	6	23	1.03E-01
.	.	5	14	9.39E-01
.	.	1	6	6.65E-01
.	.	0	1	.
.	.	2	11	5.43E-01
.	.	5	21	5.58E-01
.	.	2	0	.
.	.	1	6	8.14E-01
.	.	6	27	6.05E-01
.	.	0	4	.
.	.	3	10	9.08E-01
.	.	4	34	2.27E-01
.	.	2	10	9.02E-01
.	.	0	7	5.85E-01
.	.	1	2	.
.	.	1	2	.
.	.	6	7	1.48E-01
.	.	5	20	5.56E-01
2.82E-01	0.26	0	10	2.82E-01
2.59E-01	2.63	7	24	2.05E-01
.	.	1	9	4.31E-01
.	.	7	19	5.48E-01
.	.	0	0	.
.	.	5	12	5.82E-01
7.15E-01	0.77	3	28	4.97E-01
.	.	1	0	.
.	.	3	7	9.79E-01
.	.	4	4	2.15E-01
.	.	3	12	1.20E-01
.	.	0	6	4.36E-01
7.23E-01	0.78	2	14	7.23E-01
7.45E-01	0.85	3	12	7.28E-01
.	.	1	2	.
.	.	0	5	6.04E-01
8.38E-01	1.36	2	11	8.05E-01

.	.	3	16	7.35E-01
.	.	7	26	9.44E-01
.	.	5	9	3.39E-02
.	.	3	17	6.89E-01
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.	.	2	6	9.69E-01
.	.	9	9	4.34E-02
.	.	1	1	.
.	.	0	1	.
.	.	2	3	6.55E-01
.	.	1	6	9.42E-01
.	.	1	0	.
.	.	5	23	9.98E-01
3.33E-01	2.95	14	53	5.40E-01
.	.	3	10	4.60E-01
2.72E-01	0.24	1	19	2.30E-01
.	.	5	15	6.06E-01
.	.	0	8	8.98E-01
.	.	0	8	7.74E-01
1.29E-01	2.82	6	13	4.21E-02
5.18E-01	1.74	2	6	6.09E-01
.	.	1	9	2.46E-02
.	.	0	4	.
.	.	0	1	.
.	.	1	2	.
.	.	2	11	4.97E-01
.	.	0	3	.
.	.	0	1	.
.	.	0	0	.
7.99E-02	2.09	15	45	4.20E-01
8.63E-01	1.14	3	11	9.04E-01
4.39E-01	2.01	2	8	9.59E-01
.	.	0	5	7.55E-01
.	.	2	6	8.93E-01
.	.	5	22	7.61E-01
.	.	4	8	1.71E-01
.	.	2	8	5.96E-01
6.30E-01	1.46	1	7	8.09E-01
.	.	1	0	.
.	.	0	2	.
8.78E-01	1.17	6	13	4.09E-01

.	.	2	5	4.50E-01
.	.	1	3	.
.	.	2	8	5.26E-01
.	.	0	0	.
.	.	0	12	4.55E-01
.	.	4	15	8.58E-01
5.31E-01	1.96	10	71	9.99E-01
1.90E-01	0.21	10	69	8.36E-01
.	.	2	10	4.62E-01
5.92E-01	0.71	22	58	1.08E-01
.	.	7	67	2.14E-01
.	.	10	52	9.89E-01
.	.	3	3	3.83E-01
.	.	6	29	9.51E-01
.	.	6	25	4.58E-01
.	.	2	4	5.45E-01
.	.	8	35	6.49E-01
.	.	1	12	1.27E-01
.	.	12	46	5.38E-01
.	.	13	60	8.64E-01
.	.	7	54	3.12E-01
.	.	3	9	3.29E-01
.	.	1	2	.
.	.	0	1	.
6.73E-01	1.55	1	7	6.73E-01
.	.	1	4	2.83E-01
.	.	1	3	.
.	.	8	18	1.35E-01
.	.	24	102	6.49E-01
.	.	3	28	1.59E-01
.	.	1	0	.
.	.	0	2	.
.	.	3	15	9.19E-01
.	.	1	0	.
.	.	3	11	4.91E-01
.	.	0	12	9.19E-02
.	.	1	0	.
.	.	1	5	1.19E-01
8.82E-02	4.53	2	6	8.82E-02
.	.	0	4	.
.	.	10	66	2.17E-01

.	.	4	12	5.38E-01
.	.	3	10	1.57E-01
.	.	0	3	.
.	.	0	8	1.62E-01
.	.	0	2	.
.	.	1	0	.
.	.	4	24	9.10E-01
.	.	0	0	.
9.34E-01	1.05	6	28	9.39E-01
.	.	5	20	5.57E-01
.	.	2	6	5.74E-01
.	.	2	5	8.50E-01
.	.	0	4	.
.	.	4	17	8.53E-01
.	.	2	6	5.62E-01
.	.	2	1	.
.	.	0	4	.
.	.	0	6	2.33E-01
.	.	2	3	3.70E-01
2.33E-01	0.18	16	43	4.41E-02
.	.	1	7	5.72E-01
.	.	8	24	2.61E-01
.	.	0	10	1.89E-01
7.76E-01	0.81	15	52	4.46E-01
.	.	1	2	.
.	.	0	1	.
.	.	1	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	6	3.06E-01
.	.	1	5	6.44E-01
.	.	1	9	2.72E-01
.	.	0	2	.
.	.	0	4	.
.	.	4	41	5.64E-01
.	.	1	3	.
.	.	5	24	9.37E-01
.	.	0	4	.
.	.	2	3	3.52E-02
.	.	0	0	.

4.63E-02	0.04	0	13	4.77E-03
.	.	0	5	4.78E-01
.	.	6	15	6.04E-01
.	.	0	2	.
.	.	3	6	4.76E-01
.	.	2	9	8.63E-01
.	.	5	27	8.92E-01
.	.	6	24	6.87E-01
.	.	0	6	1.62E-02
.	.	3	22	6.23E-01
.	.	3	14	9.46E-01
.	.	6	33	9.56E-01
.	.	1	7	7.98E-01
.	.	2	7	9.08E-01
1.24E-01	0.14	2	6	9.84E-01
.	.	0	5	8.12E-01
.	.	1	14	2.03E-01
.	.	2	13	6.12E-01
.	.	16	59	1.49E-01
5.61E-01	1.60	3	12	5.00E-01
.	.	1	7	5.69E-01
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.	.	0	3	.
.	.	1	5	5.62E-02
.	.	1	4	8.95E-01
3.52E-01	0.37	1	10	3.24E-01
.	.	2	19	5.74E-01
.	.	9	33	7.09E-01
.	.	1	8	4.18E-01
.	.	4	10	5.92E-01
.	.	5	20	5.01E-01
.	.	0	1	.
.	.	0	1	.
2.11E-01	0.16	1	11	3.82E-01
.	.	1	12	3.07E-01
.	.	6	47	1.03E-01
.	.	0	7	5.48E-02
.	.	4	19	5.29E-01
.	.	0	2	.
.	.	0	2	.
.	.	0	2	.

.	.	15	67	7.38E-01
.	.	5	22	7.15E-01
.	.	1	8	6.04E-01
.	.	6	14	7.78E-02
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.	.	2	21	1.80E-01
.	.	2	3	6.59E-01
.	.	0	6	3.20E-01
.	.	6	43	7.77E-01
.	.	0	1	.
.	.	1	4	4.85E-01
.	.	0	6	6.92E-01
.	.	0	7	9.16E-01
1.76E-01	3.41	5	8	3.18E-01
.	.	0	16	5.51E-02
.	.	1	16	6.41E-02
.	.	1	4	9.37E-01
.	.	1	9	3.95E-01
.	.	1	8	4.75E-01
.	.	0	5	4.57E-01
.	.	2	13	9.20E-01
.	.	3	16	6.74E-01
.	.	2	9	7.65E-01
.	.	0	2	.
.	.	2	12	5.75E-01
.	.	2	7	8.44E-01
.	.	7	19	9.05E-01
.	.	0	10	4.42E-01
.	.	3	10	8.66E-01
.	.	4	10	3.78E-01
.	.	1	6	8.91E-01
.	.	0	6	3.60E-01
6.95E-01	0.81	5	33	6.87E-01
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.	.	0	2	.
.	.	4	24	5.38E-01
.	.	1	16	4.47E-01
.	.	0	5	2.08E-01
.	.	6	26	9.20E-01
.	.	7	10	9.92E-02
.	.	5	27	6.94E-01

ACCEPTED MANUSCRIPT

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.	.	8	34	7.97E-01
.	.	1	8	5.21E-01
.	.	1	4	8.93E-01
7.93E-02	0.32	4	27	6.48E-02
.	.	0	1	.
.	.	0	0	.
.	.	0	7	7.94E-01
.	.	1	2	.
.	.	0	2	.
.	.	2	18	1.16E-01
.	.	0	2	.
.	.	3	13	8.86E-01
.	.	0	0	.
.	.	1	3	.
.	.	0	1	.
.	.	0	0	.
.	.	1	2	.
.	.	0	0	.
.	.	0	0	.
.	.	0	15	4.57E-02
.	.	2	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	2	.
.	.	4	11	7.20E-01
.	.	8	53	2.83E-01
.	.	1	19	1.91E-01
.	.	1	1	.
.	.	0	0	.
.	.	5	18	8.78E-01
.	.	2	21	1.03E-01
.	.	0	3	.
.	.	8	36	8.97E-01
.	.	4	16	5.35E-01
.	.	1	2	.
.	.	3	5	5.44E-02
.	.	0	2	.
.	.	0	3	.
.	.	1	5	9.80E-01
.	.	0	5	7.52E-01
.	.	4	23	7.62E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	2	15	4.96E-01
.	.	3	8	3.64E-01
.	.	2	1	.
.	.	0	5	1.42E-01
.	.	4	11	4.85E-01
9.13E-01	1.12	10	25	3.04E-01
.	.	3	4	4.79E-01
.	.	1	1	.
.	.	0	2	.
.	.	1	3	.
.	.	4	15	4.26E-01
.	.	0	0	.
.	.	6	18	3.06E-01
.	.	5	32	7.96E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	2	.
.	.	0	2	.
.	.	1	4	4.28E-01
.	.	2	21	2.74E-01
.	.	0	0	.
.	.	4	1	1.17E-01
.	.	3	3	1.56E-01
.	.	1	1	.
.	.	1	0	.
.	.	4	21	7.38E-01
.	.	1	6	9.37E-01
.	.	0	3	.
.	.	0	4	.
.	.	0	4	.
.	.	1	2	.
.	.	2	3	2.49E-01
.	.	2	3	1.34E-01
.	.	0	1	.
.	.	3	22	8.63E-01
.	.	1	5	5.88E-01
.	.	1	0	.
.	.	0	2	.
.	.	8	31	3.61E-01
.	.	2	11	9.73E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	0	.
6.04E-01	1.69	1	8	6.04E-01
.	.	5	24	4.74E-01
.	.	0	8	1.24E-01
.	.	2	5	6.07E-01
.	.	5	21	8.94E-01
.	.	3	11	8.49E-01
.	.	2	5	7.03E-01
.	.	1	1	.
.	.	1	3	.
.	.	1	0	.
1.32E-01	3.45	3	14	4.29E-01
3.18E-01	2.88	2	8	8.12E-01
.	.	0	1	.
.	.	1	3	.
.	.	0	1	.
.	.	2	11	4.22E-01
.	.	0	2	.
.	.	1	2	.
.	.	1	1	.
.	.	0	9	9.86E-01
.	.	0	2	.
.	.	1	3	.
.	.	0	0	.
.	.	4	5	3.26E-01
.	.	2	12	4.54E-01
.	.	2	1	.
.	.	2	10	2.27E-01
.	.	1	4	9.31E-01
9.84E-01	0.98	1	8	7.25E-01
5.37E-02	0.04	4	10	4.52E-01
.	.	1	1	.
.	.	1	0	.
.	.	2	20	2.37E-01
8.86E-01	1.25	1	12	6.23E-01
8.98E-02	0.26	5	71	1.45E-03
.	.	0	12	4.58E-01
.	.	3	7	5.24E-01
.	.	0	1	.
.	.	1	2	.
.	.	0	9	8.25E-01

ACCEPTED MANUSCRIPT

.	.	9	25	2.56E-01
.	.	1	1	.
.	.	1	4	5.25E-01
.	.	0	2	.
.	.	0	1	.
.	.	5	1	7.14E-05
.	.	4	4	2.83E-01
.	.	1	4	6.64E-01
.	.	0	6	7.32E-01
.	.	0	3	.
.	.	0	0	.
.	.	0	0	.
.	.	1	21	1.49E-01
.	.	0	12	3.69E-01
.	.	1	9	6.61E-01
4.43E-01	1.54	17	95	1.50E-01
.	.	0	0	.
.	.	7	20	6.16E-01
9.81E-01	1.01	10	60	6.65E-01
.	.	2	7	8.70E-01
.	.	1	10	7.05E-01
.	.	1	15	4.99E-02
.	.	5	31	6.44E-01
.	.	29	125	6.80E-01
9.31E-01	0.88	11	76	3.74E-01
6.68E-01	1.36	14	23	2.48E-01
.	.	2	28	4.89E-02
.	.	6	21	7.94E-01
.	.	4	20	8.18E-01
.	.	8	26	2.30E-02
.	.	1	2	.
.	.	4	7	1.99E-01
.	.	1	6	8.59E-01
.	.	0	5	2.80E-01
4.70E-01	0.65	8	41	6.30E-01
.	.	3	14	7.90E-01
.	.	1	0	.
6.20E-01	0.44	1	17	1.59E-01
9.12E-01	1.09	7	22	3.67E-01
.	.	3	3	2.79E-01
.	.	0	0	.

ACCEPTED MANUSCRIPT

.	.	0	5	9.37E-01
.	.	4	13	1.32E-01
.	.	1	5	5.01E-01
3.70E-01	0.32	1	13	4.26E-01
5.99E-01	1.72	2	11	6.29E-01
.	.	2	11	9.81E-01
.	.	7	34	5.74E-01
.	.	4	12	6.41E-01
.	.	0	3	.
.	.	2	0	.
6.53E-01	0.84	11	78	6.53E-01
.	.	2	11	6.69E-01
.	.	0	1	.
.	.	0	0	.
3.88E-01	0.41	3	15	3.90E-01
.	.	2	7	2.41E-01
.	.	1	4	8.45E-01
2.71E-01	2.52	3	9	1.81E-01
.	.	2	1	.
.	.	5	21	6.81E-01
.	.	1	6	8.69E-01
.	.	1	10	2.03E-01
.	.	1	2	.
.	.	4	1	3.44E-03
.	.	0	0	.
.	.	8	16	6.63E-01
.	.	4	17	8.63E-01
3.93E-01	1.95	55	217	8.92E-01
.	.	1	9	8.64E-01
.	.	1	8	7.10E-01
.	.	4	18	6.37E-01
.	.	1	3	.
.	.	1	3	.
.	.	0	3	.
.	.	7	7	3.58E-03
.	.	1	9	7.55E-01
.	.	4	12	5.72E-01
.	.	0	0	.
.	.	5	6	5.53E-02
.	.	8	33	4.83E-01
.	.	2	13	8.74E-01

.	.	1	2	.
.	.	2	5	7.92E-01
.	.	0	4	.
.	.	1	2	.
.	.	4	2	2.26E-02
.	.	0	4	.
.	.	6	15	1.29E-01
.	.	2	9	7.09E-01
.	.	3	16	8.28E-01
.	.	2	1	.
.	.	1	8	6.68E-01
.	.	1	5	8.69E-01
.	.	2	9	8.64E-01
.	.	3	12	9.96E-01
.	.	3	13	2.12E-01
.	.	1	1	.
.	.	3	7	9.36E-02
7.73E-01	0.83	11	23	8.06E-02
.	.	0	0	.
.	.	1	11	4.92E-01
.	.	0	5	9.79E-02
.	.	0	3	.
.	.	1	4	6.40E-01
.	.	0	4	.
.	.	3	16	4.32E-01
.	.	3	14	6.90E-01
.	.	3	26	6.19E-01
.	.	2	7	3.26E-01
.	.	1	1	.
.	.	4	5	2.20E-02
.	.	1	5	6.54E-01
.	.	0	1	.
9.20E-01	1.10	1	8	9.20E-01
.	.	2	2	.
.	.	1	6	4.35E-01
5.75E-01	0.45	10	42	7.57E-01
.	.	0	0	.
.	.	0	3	.
.	.	6	21	8.29E-01
.	.	0	4	.
.	.	7	33	9.01E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	2	.
.	.	0	2	.
.	.	1	2	.
.	.	9	28	1.82E-01
.	.	0	7	9.66E-01
.	.	1	14	3.90E-01
.	.	0	1	.
.	.	3	13	9.80E-01
.	.	3	10	2.53E-01
.	.	0	2	.
.	.	0	4	.
.	.	0	0	.
.	.	0	2	.
.	.	7	40	9.91E-01
.	.	1	4	2.92E-01
.	.	1	5	7.49E-01
.	.	0	5	7.82E-01
.	.	1	4	2.02E-01
.	.	5	23	7.01E-01
.	.	10	33	5.07E-01
.	.	0	6	4.49E-02
.	.	4	34	1.72E-01
.	.	2	4	2.01E-01
.	.	16	70	3.36E-01
.	.	5	9	8.41E-02
.	.	1	3	.
.	.	0	1	.
.	.	0	0	.
.	.	3	15	9.43E-01
.	.	0	3	.
.	.	0	0	.
.	.	1	4	1.05E-01
5.49E-01	0.43	1	20	3.83E-01
.	.	1	1	.
.	.	2	0	.
.	.	3	5	7.57E-01
.	.	2	4	8.63E-01
.	.	2	6	8.22E-01
.	.	0	0	.
.	.	2	10	5.40E-01
2.58E-01	0.19	4	21	6.83E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	5	4.30E-01
.	.	0	2	.
.	.	7	23	8.24E-01
.	.	1	9	6.97E-01
.	.	3	4	2.75E-01
.	.	3	37	1.89E-01
.	.	3	19	6.73E-01
.	.	8	31	5.83E-01
.	.	0	1	.
.	.	1	3	.
.	.	2	5	4.14E-01
8.11E-01	1.27	0	6	8.11E-01
.	.	0	2	.
.	.	0	0	.
.	.	12	28	2.77E-01
1.62E-01	4.95	5	33	6.69E-01
.	.	0	1	.
.	.	0	1	.
.	.	2	19	5.21E-01
.	.	14	48	1.80E-01
8.68E-01	0.85	42	174	8.93E-01
7.77E-01	0.77	16	59	2.51E-01
.	.	0	7	1.74E-01
.	.	2	4	7.47E-01
7.75E-01	0.89	11	50	6.40E-01
.	.	0	1	.
6.06E-01	1.36	2	9	9.93E-01
.	.	5	17	5.21E-01
.	.	5	32	6.68E-01
.	.	2	3	4.28E-02
.	.	3	1	.
.	.	1	5	6.87E-01
.	.	3	8	6.53E-01
.	.	1	11	8.72E-01
.	.	0	4	.
.	.	5	24	5.66E-01
.	.	3	17	6.46E-01
.	.	1	14	5.76E-01
.	.	5	12	2.91E-01
.	.	1	5	6.24E-01
.	.	1	8	9.16E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	4	10	4.55E-01
.	.	5	13	7.27E-01
.	.	0	5	8.06E-01
7.18E-01	1.80	2	17	2.66E-01
.	.	2	6	2.68E-01
.	.	1	3	.
.	.	1	1	.
7.27E-01	1.36	4	8	7.56E-01
.	.	2	9	2.83E-01
.	.	3	13	5.39E-01
.	.	5	23	7.04E-01
.	.	0	5	8.80E-01
.	.	4	20	8.41E-01
.	.	1	0	.
.	.	2	7	8.24E-01
.	.	3	14	7.78E-01
.	.	1	4	9.31E-01
.	.	2	5	8.85E-01
.	.	17	60	3.33E-01
.	.	4	7	2.02E-02
.	.	1	5	4.28E-01
.	.	0	1	.
.	.	1	1	.
.	.	3	6	5.04E-01
.	.	1	12	4.73E-01
.	.	15	69	7.66E-01
.	.	6	20	5.73E-01
.	.	5	11	3.02E-01
.	.	0	1	.
.	.	10	48	9.44E-01
.	.	0	10	4.69E-01
4.62E-02	0.08	7	63	1.02E-01
.	.	2	3	5.04E-01
.	.	0	0	.
.	.	0	0	.
.	.	7	26	8.83E-01
9.95E-01	0.99	19	69	2.90E-01
.	.	21	75	9.37E-01
.	.	0	1	.
.	.	2	3	7.34E-01
.	.	1	3	.

.	.	0	2	.
.	.	0	1	.
.	.	0	2	.
.	.	6	19	2.33E-01
.	.	2	4	2.11E-01
.	.	0	2	.
.	.	0	3	.
.	.	1	3	.
.	.	1	4	3.84E-01
.	.	0	0	.
.	.	0	2	.
.	.	1	4	3.69E-01
.	.	1	2	.
.	.	1	2	.
.	.	1	8	8.83E-01
.	.	0	8	8.39E-01
.	.	3	24	3.33E-01
.	.	6	46	3.37E-01
5.34E-01	0.44	10	42	7.19E-01
.	.	5	22	1.95E-01
.	.	3	8	2.80E-01
.	.	16	57	1.97E-01
.	.	0	1	.
.	.	7	39	5.94E-01
.	.	3	13	9.49E-01
.	.	8	31	3.33E-01
.	.	1	7	6.59E-01
.	.	0	18	2.89E-01
.	.	3	5	4.85E-01
8.95E-01	1.12	3	11	9.54E-01
3.85E-01	0.32	2	23	9.12E-01
.	.	3	11	2.14E-01
2.56E-01	0.23	1	16	1.69E-01
.	.	7	16	2.55E-01
.	.	7	26	6.04E-01
.	.	12	51	6.67E-01
.	.	0	6	5.74E-02
.	.	3	5	2.02E-01
.	.	3	10	8.28E-01
.	.	12	30	1.85E-01
.	.	5	13	6.15E-01

.	.	0	0	.
.	.	2	2	.
.	.	7	17	9.31E-01
.	.	0	7	2.07E-01
.	.	1	6	7.61E-01
.	.	1	3	.
.	.	0	10	1.90E-01
.	.	5	9	7.37E-02
9.57E-02	3.86	5	11	1.70E-01
.	.	6	25	5.57E-01
.	.	5	19	2.70E-01
.	.	3	3	4.15E-01
.	.	4	46	1.85E-02
.	.	0	13	2.74E-02
.	.	0	12	3.91E-01
1.11E-01	2.64	11	59	7.67E-01
.	.	8	19	2.54E-02
.	.	3	6	3.82E-01
.	.	1	5	1.75E-01
.	.	0	1	.
.	.	9	30	9.57E-01
7.26E-03	18.90	13	52	7.63E-01
.	.	0	8	4.67E-01
1.62E-02	5.15	16	66	3.71E-01
.	.	0	2	.
.	.	0	0	.
.	.	7	34	6.58E-01
6.67E-01	1.25	19	96	8.25E-01
.	.	0	6	2.42E-01
1.67E-01	2.19	5	8	2.95E-01
7.30E-01	1.32	25	93	3.03E-01
.	.	11	30	2.32E-01
.	.	1	5	8.92E-01
2.61E-01	2.91	3	6	5.43E-01
.	.	4	15	6.57E-01
.	.	0	4	.
.	.	1	1	.
.	.	0	0	.
.	.	1	4	8.79E-01
.	.	0	1	.
.	.	0	0	.

.	.	0	2	.
.	.	1	0	.
.	.	0	6	9.69E-01
.	.	0	0	.
.	.	7	25	1.97E-01
6.38E-02	0.10	9	17	3.58E-01
.	.	12	92	1.19E-01
.	.	1	0	.
.	.	10	15	8.67E-02
.	.	1	6	7.13E-01
.	.	0	2	.
.	.	3	17	2.65E-01
.	.	2	6	3.09E-01
.	.	0	3	.
.	.	0	1	.
.	.	2	27	2.43E-01
.	.	1	3	.
.	.	0	1	.
.	.	3	6	5.12E-01
.	.	4	27	3.51E-01
.	.	1	13	4.02E-01
1.15E-01	0.09	4	35	1.40E-01
.	.	1	8	9.22E-01
1.62E-01	0.13	1	15	5.40E-01
.	.	1	12	1.64E-01
.	.	3	4	2.41E-01
.	.	2	5	8.90E-01
.	.	5	20	7.09E-01
.	.	1	8	3.16E-01
.	.	1	6	6.67E-01
1.85E-02	80.34	8	4	7.87E-03
.	.	0	4	.
.	.	1	7	7.05E-01
.	.	1	4	2.88E-01
.	.	2	8	6.83E-01
.	.	1	6	5.85E-01
.	.	1	19	2.58E-02
.	.	4	20	6.74E-01
2.68E-01	1.84	2	22	5.65E-01
.	.	0	17	1.80E-01
.	.	0	2	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

3.95E-01	2.13	13	64	8.49E-01
.	.	1	7	4.43E-01
.	.	2	12	8.73E-01
.	.	0	1	.
.	.	5	12	8.75E-01
.	.	0	1	.
.	.	3	9	4.05E-01
.	.	0	0	.
.	.	0	6	2.45E-01
.	.	2	14	4.68E-01
.	.	1	2	.
.	.	8	28	8.98E-01
.	.	2	2	.
.	.	4	14	8.33E-02
.	.	1	0	.
.	.	10	43	4.20E-01
.	.	0	0	.
.	.	0	0	.
.	.	1	2	.
.	.	21	45	2.87E-02
.	.	3	7	7.13E-01
2.62E-01	0.41	14	77	9.42E-01
.	.	0	0	.
.	.	1	4	8.89E-01
.	.	0	0	.
.	.	3	5	1.69E-01
.	.	1	2	.
.	.	0	9	3.34E-01
.	.	4	9	4.19E-02
.	.	0	2	.
.	.	5	8	1.59E-01
.	.	2	5	3.23E-01
.	.	6	27	7.48E-01
.	.	2	4	7.29E-01
.	.	0	5	4.70E-02
.	.	6	10	8.82E-02
.	.	0	3	.
.	.	0	5	8.42E-01
.	.	1	1	.
.	.	5	35	4.11E-01
.	.	1	2	.

.	.	1	7	8.18E-01
.	.	2	5	6.15E-01
.	.	0	1	.
.	.	3	5	3.99E-01
.	.	4	12	1.44E-01
.	.	4	15	5.49E-01
6.54E-01	0.60	2	11	2.86E-01
.	.	1	8	4.05E-01
.	.	3	6	6.43E-02
.	.	2	32	1.11E-01
.	.	1	1	.
.	.	0	0	.
.	.	0	3	.
.	.	2	6	8.12E-01
.	.	2	2	.
.	.	3	0	.
.	.	4	16	5.69E-01
.	.	4	6	1.14E-01
.	.	1	4	3.15E-01
.	.	1	8	8.67E-01
.	.	0	3	.
4.96E-01	1.76	2	14	7.54E-01
.	.	0	4	.
.	.	1	5	7.03E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	3	.
.	.	2	5	1.74E-01
.	.	5	9	3.63E-01
.	.	4	6	1.54E-01
.	.	0	1	.
.	.	0	0	.
.	.	1	1	.
.	.	2	4	4.31E-02
.	.	12	25	4.21E-01
.	.	1	1	.
.	.	0	0	.
.	.	1	1	.
9.58E-01	1.08	2	18	9.61E-01
.	.	2	6	5.59E-01
.	.	6	23	9.39E-01

.	.	6	8	1.16E-02
.	.	0	0	.
3.78E-01	0.53	6	17	5.58E-01
.	.	0	0	.
.	.	2	2	.
.	.	0	2	.
.	.	0	0	.
.	.	0	1	.
.	.	1	3	.
.	.	0	0	.
.	.	2	2	.
.	.	2	3	1.35E-01
.	.	0	1	.
.	.	1	12	4.19E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	4	2	1.49E-01
.	.	0	4	.
.	.	2	23	2.95E-02
.	.	0	1	.
.	.	0	3	.
.	.	0	5	6.19E-01
.	.	0	0	.
.	.	2	1	.
.	.	0	1	.
.	.	1	1	.
.	.	0	4	.
.	.	1	5	6.41E-01
.	.	0	3	.
.	.	2	12	7.99E-01
.	.	0	1	.
.	.	0	2	.
.	.	0	8	1.56E-01
.	.	1	7	3.14E-01
.	.	1	5	8.98E-01
.	.	3	5	5.52E-01
.	.	0	4	.
.	.	2	5	6.50E-01
.	.	1	2	.
.	.	2	0	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	1	.
.	.	0	3	.
.	.	0	5	7.68E-01
.	.	1	1	.
.	.	1	2	.
9.73E-01	1.02	5	25	5.88E-01
.	.	0	4	.
.	.	0	10	4.46E-01
.	.	0	1	.
.	.	1	26	2.12E-02
.	.	0	3	.
.	.	0	0	.
6.70E-01	1.31	2	44	3.84E-02
.	.	4	3	2.01E-01
3.99E-01	1.93	2	9	1.94E-01
.	.	0	0	.
.	.	0	2	.
.	.	0	4	.
5.99E-01	1.36	6	20	5.99E-01
.	.	0	0	.
.	.	1	3	.
.	.	1	6	4.88E-01
.	.	0	6	6.61E-01
.	.	0	0	.
.	.	2	0	.
.	.	0	0	.
3.94E-01	0.54	3	39	5.48E-02
.	.	6	27	5.53E-01
.	.	1	7	5.99E-01
.	.	1	6	6.49E-01
.	.	0	2	.
.	.	5	18	6.59E-01
1.83E-01	4.03	2	4	2.85E-01
.	.	2	9	6.07E-01
.	.	2	9	8.18E-01
.	.	0	1	.
.	.	2	13	4.09E-01
.	.	0	2	.
.	.	0	1	.
.	.	2	2	.
.	.	2	2	.

.	.	2	5	6.32E-01
.	.	0	5	1.43E-01
.	.	1	6	6.97E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	1	5	7.62E-01
.	.	0	0	.
.	.	2	5	8.15E-01
.	.	8	17	5.02E-02
.	.	2	5	2.33E-01
.	.	2	2	.
.	.	2	18	4.46E-01
.	.	1	8	7.37E-01
.	.	3	21	7.66E-01
.	.	0	3	.
.	.	0	5	5.03E-01
.	.	0	3	.
.	.	0	2	.
.	.	0	0	.
.	.	2	13	8.97E-01
.	.	3	3	1.03E-01
.	.	6	9	2.22E-01
.	.	11	36	6.44E-01
.	.	7	18	5.08E-01
.	.	0	0	.
.	.	1	4	6.04E-01
.	.	0	3	.
.	.	0	1	.
.	.	0	0	.
.	.	0	2	.
.	.	0	0	.
.	.	0	1	.
.	.	0	6	8.65E-01
.	.	4	13	2.57E-01
.	.	0	2	.
.	.	1	6	6.71E-01
.	.	1	7	6.31E-01
.	.	1	4	5.11E-01
.	.	0	3	.
.	.	0	0	.

.	.	0	0	.
.	.	1	0	.
.	.	2	2	.
.	.	0	0	.
.	.	5	30	6.67E-01
.	.	1	2	.
.	.	4	17	9.34E-01
.	.	1	4	3.86E-02
.	.	2	13	4.42E-01
.	.	3	17	7.63E-01
.	.	0	6	3.39E-01
.	.	3	15	4.00E-01
.	.	0	2	.
.	.	10	44	4.49E-01
.	.	0	4	.
.	.	1	0	.
.	.	5	22	4.43E-01
.	.	3	9	5.75E-01
2.76E-01	0.36	14	48	7.85E-01
.	.	2	4	4.00E-01
.	.	2	13	9.90E-01
.	.	1	2	.
.	.	1	3	.
.	.	0	10	5.23E-01
.	.	0	0	.
.	.	0	2	.
.	.	0	1	.
.	.	1	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	10	4.01E-02
.	.	0	0	.
.	.	0	3	.
.	.	1	0	.
.	.	0	0	.
.	.	0	1	.
.	.	5	14	7.42E-01
.	.	5	4	3.26E-02
8.38E-01	0.85	2	16	4.31E-01
.	.	0	3	.
.	.	0	1	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	0	.
1.59E-01	2.53	6	8	1.30E-01
.	.	0	7	1.04E-01
.	.	0	0	.
.	.	2	4	8.11E-01
7.83E-01	1.18	2	9	7.54E-01
.	.	5	26	6.93E-01
.	.	0	0	.
.	.	5	17	1.74E-01
.	.	0	2	.
5.70E-01	0.46	0	8	5.70E-01
.	.	0	0	.
.	.	4	18	7.26E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	1	.
.	.	0	2	.
.	.	1	3	.
.	.	0	0	.
2.13E-01	2.10	5	20	2.13E-01
.	.	3	2	5.42E-02
.	.	0	2	.
.	.	1	5	5.52E-01
.	.	0	2	.
.	.	2	2	.
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
.	.	0	16	2.48E-02
.	.	1	5	8.59E-01
.	.	0	0	.
.	.	0	3	.
.	.	0	1	.
.	.	0	3	.
.	.	0	1	.
.	.	0	4	.
9.85E-01	0.99	2	5	9.85E-01
.	.	0	1	.
.	.	0	0	.

ACCEPTED MANUSCRIPT

.	.	0	1	.
.	.	0	0	.
5.23E-01	1.86	2	5	5.23E-01
.	.	0	3	.
.	.	1	0	.
.	.	1	7	6.64E-01
.	.	1	3	.
.	.	0	0	.
.	.	0	6	8.28E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	2	.
.	.	0	4	.
.	.	3	1	.
6.44E-01	0.73	3	20	6.44E-01
1.46E-01	5.84	4	10	5.95E-01
.	.	0	0	.
5.32E-01	2.04	1	4	5.32E-01
1.73E-01	0.18	1	13	2.89E-01
.	.	13	66	8.03E-01
.	.	0	1	.
.	.	0	0	.
2.31E-01	1.76	6	5	2.31E-01
.	.	1	0	.
9.95E-01	0.99	1	5	9.95E-01
.	.	0	4	.
.	.	2	1	.
7.16E-01	1.25	4	6	2.22E-01
2.98E-01	2.79	2	3	2.98E-01
4.68E-01	0.60	2	30	4.68E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	2	.
.	.	0	5	8.99E-01
.	.	1	6	9.46E-01
.	.	0	1	.
.	.	6	25	1.79E-01
.	.	0	3	.
.	.	0	0	.
.	.	0	2	.

ACCEPTED MANUSCRIPT

.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	4	6	1.15E-01
.	.	1	2	.
.	.	1	1	.
.	.	1	0	.
9.48E-01	1.06	0	1	.
.	.	3	4	9.48E-01
.	.	0	0	.
.	.	1	8	4.26E-01
.	.	0	3	.
9.44E-01	0.90	0	7	9.44E-01
.	.	0	0	.
.	.	0	2	.
.	.	1	1	.
.	.	3	10	6.87E-01
.	.	1	0	.
.	.	0	2	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	3	11	8.79E-01
.	.	0	2	.
8.75E-01	0.79	1	5	3.08E-01
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	1	5	9.90E-01
.	.	1	4	8.72E-01
.	.	0	0	.
.	.	0	0	.
.	.	2	0	.
.	.	0	1	.
.	.	2	4	2.69E-01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	0	.
.	.	1	4	5.86E-01
.	.	0	0	.
.	.	0	3	.
.	.	0	2	.
.	.	3	6	3.65E-01
6.92E-01	1.51	1	6	6.92E-01
.	.	0	1	.
.	.	1	1	.
.	.	1	4	3.84E-01
.	.	2	3	6.24E-01
.	.	0	3	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	0	2	.
.	.	1	0	.
.	.	0	0	.
3.45E-01	2.97	1	5	5.36E-01
.	.	0	0	.
.	.	1	0	.
.	.	1	0	.
.	.	2	23	5.05E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	4	.
.	.	0	0	.
.	.	0	2	.
.	.	0	0	.
.	.	0	2	.
.	.	0	1	.
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
.	.	0	6	6.82E-01
.	.	0	0	.
.	.	0	2	.
.	.	4	6	5.79E-01
.	.	0	5	7.55E-01
.	.	0	1	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	0	.
8.44E-01	1.07	6	0	8.44E-01
5.83E-01	1.19	1	6	5.83E-01
.	.	0	2	.
.	.	1	1	.
.	.	1	16	3.82E-01
.	.	0	1	.
.	.	0	0	.
.	.	2	5	3.14E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	1	0	.
.	.	0	3	.
.	.	0	3	.
.	.	2	1	.
.	.	0	2	.
.	.	0	1	.
.	.	0	0	.
.	.	1	0	.
.	.	0	2	.
.	.	0	1	.
.	.	0	0	.
.	.	4	17	8.41E-01
5.90E-01	1.63	0	6	6.38E-01
.	.	0	5	5.80E-01
.	.	1	3	.
.	.	0	0	.
.	.	1	2	.
.	.	2	8	7.67E-02
.	.	8	19	9.98E-01
.	.	0	1	.
.	.	47	249	9.90E-01
.	.	0	3	.
6.80E-01	1.60	1	5	7.00E-01
.	.	1	11	5.42E-01
.	.	1	12	9.78E-01
.	.	0	2	.
.	.	1	3	.
.	.	1	0	.
.	.	0	0	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	3	.
3.61E-01	1.93	6	40	9.75E-01
.	.	0	1	.
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
.	.	1	0	.
.	.	0	1	.
.	.	0	0	.
.	.	1	0	.
.	.	2	9	6.74E-01
4.65E-01	1.39	8	23	5.16E-01
.	.	1	2	.
.	.	0	1	.
.	.	4	9	6.08E-01
.	.	1	2	.
.	.	3	9	2.34E-01
.	.	0	0	.
.	.	1	0	.
.	.	0	1	.
.	.	0	3	.
.	.	0	1	.
.	.	0	4	.
.	.	0	6	1.11E-01
.	.	0	0	.
.	.	1	2	.
.	.	0	0	.
6.14E-01	0.77	7	30	6.14E-01
8.62E-01	0.78	0	6	8.62E-01
2.12E-02	17.86	3	2	2.12E-02
.	.	0	0	.
6.88E-01	0.69	1	14	6.88E-01
.	.	0	3	.
.	.	0	0	.
.	.	1	6	7.98E-01
4.73E-01	1.33	12	34	4.73E-01
9.89E-01	0.99	2	5	9.89E-01
.	.	1	1	.
.	.	1	2	.
.	.	0	0	.
.	.	0	0	.

ACCEPTED MANUSCRIPT

.	.	0	1	.
.	.	0	2	.
.	.	0	1	.
.	.	0	4	.
.	.	0	6	3.20E-01
.	.	0	0	.
.	.	0	2	.
.	.	1	2	.
7.67E-01	0.66	0	9	7.67E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	3	.
.	.	0	2	.
.	.	0	0	.
.	.	1	3	.
.	.	0	2	.
.	.	0	2	.
.	.	0	0	.
.	.	0	1	.
.	.	0	1	.
.	.	1	4	5.21E-01
.	.	1	1	.
8.70E-01	1.19	1	7	8.97E-01
.	.	0	0	.
.	.	0	3	.
.	.	0	0	.
8.79E-01	0.80	0	8	2.03E-01
.	.	0	2	.
.	.	0	1	.
.	.	0	0	.
4.97E-01	0.37	0	5	4.97E-01
.	.	2	4	8.64E-01
.	.	0	2	.
.	.	0	1	.
.	.	6	23	6.41E-01
.	.	0	3	.
2.54E-02	0.17	3	22	6.39E-02
.	.	0	2	.
.	.	0	0	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	2	.
.	.	2	5	5.04E-01
.	.	0	4	.
.	.	0	0	.
.	.	1	0	.
.	.	1	2	.
.	.	0	1	.
.	.	1	2	.
.	.	0	1	.
.	.	1	9	1.94E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	2	.
.	.	0	2	.
.	.	7	27	9.39E-01
6.25E-01	0.51	0	6	6.25E-01
.	.	0	1	.
.	.	1	3	.
.	.	0	0	.
.	.	5	8	9.82E-01
.	.	1	0	.
.	.	1	5	4.25E-01
.	.	0	0	.
.	.	19	48	1.32E-01
.	.	2	13	3.41E-01
5.96E-01	1.69	2	5	7.43E-01
.	.	0	1	.
.	.	0	10	2.30E-02
.	.	1	2	.
.	.	1	0	.
.	.	0	1	.
4.46E-01	1.57	6	20	5.28E-01
1.95E-01	1.78	7	14	2.08E-01
.	.	0	1	.
.	.	0	2	.
.	.	1	5	7.34E-01
.	.	1	2	.
.	.	0	1	.
.	.	1	1	.
.	.	0	2	.
.	.	0	3	.

.	.	0	1	.
.	.	0	0	.
.	.	1	2	.
.	.	1	0	.
.	.	1	4	9.92E-01
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
.	.	0	0	.
.	.	1	5	6.52E-01
.	.	1	1	.
.	.	2	2	.
.	.	0	2	.
.	.	3	6	9.77E-01
.	.	0	1	.
.	.	1	2	.
.	.	0	1	.
.	.	1	2	.
.	.	0	5	6.37E-01
.	.	0	0	.
.	.	1	2	.
.	.	0	0	.
9.53E-01	1.08	1	5	9.53E-01
.	.	0	1	.
9.14E-01	0.93	4	14	9.62E-01
5.46E-01	1.56	4	9	5.46E-01
.	.	0	2	.
5.97E-01	1.39	1	5	5.97E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	2	.
.	.	4	0	.
1.69E-01	4.05	3	5	4.40E-02
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
6.01E-01	1.67	2	5	6.01E-01
.	.	0	1	.
.	.	0	0	.
.	.	2	4	3.48E-01
.	.	0	0	.

.	.	0	0	.
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
.	.	0	5	1.85E-01
6.98E-01	0.79	4	26	6.13E-01
.	.	1	0	.
1.96E-01	1.89	4	5	2.39E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	1	.
.	.	0	1	.
.	.	0	2	.
.	.	0	3	.
.	.	2	1	.
.	.	3	10	3.02E-01
.	.	0	2	.
.	.	1	0	.
.	.	0	2	.
.	.	1	1	.
.	.	1	3	.
.	.	0	1	.
.	.	0	1	.
.	.	0	1	.
.	.	0	0	.
4.87E-01	1.26	10	45	8.39E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	1	1	.
.	.	0	0	.
.	.	4	4	1.92E-01
.	.	0	0	.
.	.	0	1	.
.	.	0	0	.
.	.	0	3	.
.	.	1	2	.
.	.	1	1	.
.	.	1	1	.
.	.	0	1	.
.	.	0	1	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	0	3	.
.	.	0	0	.
9.08E-01	0.89	1	4	9.08E-01
.	.	0	0	.
.	.	1	3	.
.	.	0	0	.
.	.	0	3	.
.	.	0	2	.
.	.	0	2	.
.	.	2	0	.
.	.	1	1	.
4.22E-01	0.34	0	8	4.22E-01
.	.	0	0	.
.	.	0	0	.
.	.	0	0	.
.	.	10	31	1.77E-01
.	.	1	3	.
.	.	0	1	.
.	.	2	0	.
.	.	5	16	7.80E-01
.	.	0	2	.
.	.	3	17	6.00E-01
.	.	0	2	.
.	.	1	5	2.74E-01
.	.	0	7	1.53E-01
.	.	1	3	.
.	.	3	15	6.86E-01
.	.	0	3	.
.	.	4	19	9.28E-01
.	.	5	13	5.27E-01
.	.	6	35	4.09E-01
.	.	0	2	.
.	.	3	5	5.06E-01
5.35E-01	0.57	9	40	5.77E-01
.	.	0	1	.
.	.	0	0	.
.	.	0	3	.
.	.	2	0	.
.	.	1	2	.
.	.	0	5	9.13E-01
.	.	0	2	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

.	.	1	8	8.21E-01
.	.	0	0	.
.	.	0	1	.
.	.	1	2	.
.	.	0	0	.
.	.	3	3	1.05E-01
.	.	0	1	.
3.82E-01	0.58	2	34	3.82E-01
.	.	1	0	.
.	.	0	1	.
.	.	1	0	.
.	.	0	3	.
.	.	2	1	.
.	.	0	0	.
.	.	5	10	7.80E-02
.	.	0	1	.
.	.	4	16	9.68E-01
.	.	7	34	6.42E-01
.	.	11	22	2.09E-01
.	.	3	5	3.03E-01
.	.	1	9	9.60E-01
.	.	4	13	4.87E-01
.	.	2	2	.
.	.	0	1	.
.	.	3	16	2.49E-01
.	.	8	31	3.40E-01
.	.	4	16	8.53E-01
.	.	7	24	3.42E-01
.	.	0	4	.

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

OR_RDV	N_Case_Var	N_Control_Var	p_SKAT
2.89	8	52	9.17E-01
0.53	3	15	2.57E-01
0.47	36	161	9.49E-01
1.05	84	459	1.00E+00
1.34	38	190	8.54E-01
0.78	3	10	8.49E-01
2.56	38	145	4.82E-01
1.56	4	18	8.78E-01
0.28	2	29	4.86E-01
.	3	4	5.98E-01
.	4	19	5.38E-01
.	6	31	7.78E-01
.	8	35	7.78E-01
.	9	18	1.19E-01
0.61	7	43	9.44E-01
.	45	236	1.07E-01
.	0	6	1.99E-01
.	2	13	6.96E-01
.	6	35	6.91E-02
2.77	12	40	2.81E-01
1.03	26	126	9.45E-01
1.43	43	205	1.00E+00
1.03	93	468	3.74E-01
.	2	6	9.28E-01
1.08	12	65	7.44E-01
3.48	8	38	6.69E-01
0.49	17	105	3.09E-01
0.67	5	16	8.18E-01
1.00	85	393	9.23E-01
2.40	89	274	1.19E-01
1.04	88	326	4.94E-01
1.11	428	2037	1.00E+00
0.92	92	389	9.62E-01
0.91	22	125	9.49E-01
1.16	175	797	1.00E+00
1.08	15	64	1.00E+00
2.27	96	300	7.26E-01

0.68	120	571	1.00E+00
1.48	118	473	3.73E-01
0.65	56	252	1.00E+00
1.24	133	600	8.89E-01
2.75	1	4	3.37E-01
1.24	35	150	3.88E-01
0.73	22	81	9.34E-01
1.50	79	316	6.56E-01
1.08	34	146	2.86E-01
1.19	105	501	8.95E-01
1.76	18	94	1.39E-01
1.30	87	336	9.36E-01
1.13	32	112	8.31E-01
0.97	310	1162	5.10E-01
0.62	118	574	9.97E-01
1.09	170	759	1.00E+00
1.09	91	362	9.35E-01
1.68	65	306	4.16E-01
0.77	5	31	2.49E-01
0.70	71	337	6.28E-01
1.66	98	299	9.76E-02
0.53	12	71	9.12E-01
0.54	2	21	9.16E-01
1.23	6	23	9.06E-01
0.71	42	164	3.35E-01
.	1	4	7.03E-01
1.52	54	222	3.09E-01
0.59	2	22	9.75E-01
0.60	15	61	9.35E-01
3.16	17	51	6.45E-01
0.66	17	71	8.02E-01
1.31	15	56	1.00E+00
0.41	8	32	9.32E-01
0.36	54	283	3.16E-01
1.69	4	15	8.71E-01
1.85	73	229	8.78E-03
2.03	97	421	5.84E-01
1.29	1	15	7.23E-01
.	74	371	1.62E-01
0.72	10	66	8.62E-01
0.73	25	129	8.95E-01

1.78	4	15	6.99E-01
0.51	42	194	9.14E-01
.	2	4	2.34E-01
2.30	2	6	5.52E-01
0.22	3	15	3.57E-01
.	17	40	4.35E-01
10.93	3	9	1.59E-01
0.82	47	294	2.33E-02
.	4	26	6.74E-01
1.56	3	16	7.85E-01
.	7	22	7.59E-01
0.39	33	113	3.71E-01
2.12	45	132	4.68E-01
3.55	110	382	5.73E-01
0.71	17	90	9.97E-01
1.89	11	44	5.15E-01
0.65	13	108	3.62E-01
.	87	353	9.23E-01
0.39	30	131	5.08E-01
.	3	7	3.84E-01
2.70	21	58	7.81E-02
0.60	12	31	6.95E-01
0.54	35	170	8.52E-01
.	20	79	5.65E-01
2.28	5	26	3.66E-01
0.97	191	814	1.89E-01
1.30	9	45	9.19E-01
1.86	37	114	6.29E-01
0.45	2	9	5.52E-01
2.18	56	163	3.07E-01
1.23	66	220	7.85E-01
0.77	11	58	9.99E-01
1.65	3	17	5.31E-01
1.99	80	340	9.01E-01
0.93	10	51	9.98E-01
0.94	57	278	9.98E-01
.	90	338	4.13E-01
.	11	46	8.13E-01
0.50	10	58	4.25E-01
1.32	4	12	5.35E-01
1.23	1	10	5.22E-01

0.09	6	29	4.22E-01
.	73	305	5.58E-01
0.89	42	189	6.88E-01
1.00	9	26	6.33E-01
.	10	44	5.05E-01
1.10	6	36	9.04E-01
2.48	37	132	9.29E-01
.	16	62	9.41E-01
.	0	5	4.24E-01
.	2	8	4.99E-01
1.91	6	21	3.71E-01
0.36	78	339	7.72E-01
.	19	71	9.96E-01
0.83	73	284	1.00E+00
.	16	47	2.37E-01
3.08	13	23	4.99E-02
3.69	5	8	1.69E-01
1.06	11	56	7.70E-01
.	1	8	4.73E-01
0.56	137	586	7.08E-01
0.75	5	24	5.09E-02
2.89	5	12	4.03E-01
0.48	18	77	9.90E-01
4.97	66	338	7.26E-01
.	5	7	1.55E-01
0.46	20	87	2.01E-01
0.69	56	220	9.99E-01
0.85	8	34	5.22E-01
0.31	56	216	7.10E-01
0.75	75	329	6.31E-01
.	3	2	7.61E-02
.	21	79	9.03E-01
0.65	4	31	8.64E-01
0.26	32	177	4.04E-01
0.93	22	85	7.63E-01
1.00	3	22	8.68E-01
1.69	13	57	5.69E-01
1.04	2	23	7.48E-01
.	54	255	9.99E-01
2.69	31	89	9.80E-01
1.06	129	472	4.87E-01

0.77	2	29	5.01E-01
1.23	18	65	1.64E-01
.	2	11	2.21E-01
.	5	15	4.18E-01
1.57	3	22	4.18E-01
2.67	2	12	2.58E-01
1.69	34	112	9.26E-02
1.07	4	23	5.30E-01
.	31	109	9.92E-01
0.96	97	425	3.12E-01
2.02	57	207	9.53E-01
0.63	106	431	7.71E-01
0.90	3	24	5.81E-01
2.40	7	19	9.30E-01
1.47	9	42	9.94E-01
1.54	14	68	3.39E-01
0.96	19	86	9.99E-01
0.99	5	22	8.91E-01
3.12	17	59	1.00E+00
0.97	49	162	2.73E-01
1.88	2	10	4.22E-01
1.73	3	23	4.32E-01
0.24	32	112	3.20E-01
0.45	42	169	5.72E-01
0.84	4	37	8.65E-01
1.02	24	114	9.97E-01
1.39	3	13	4.49E-01
0.89	173	621	6.41E-02
0.60	39	183	8.41E-01
3.36	3	5	4.69E-01
1.63	42	136	7.12E-01
1.99	22	70	9.54E-01
1.05	44	124	1.49E-01
0.72	12	50	8.46E-01
0.78	59	303	7.68E-01
0.09	0	10	4.74E-01
0.92	3	12	5.90E-01
0.93	3	25	1.38E-01
0.70	17	51	1.93E-01
1.13	9	38	6.32E-01
.	3	2	8.05E-01

.	2	9	3.79E-02
0.51	54	239	9.97E-01
1.71	8	30	3.38E-01
0.81	43	135	3.58E-02
0.39	1	11	3.80E-01
0.60	1	20	4.73E-01
.	2	5	4.19E-01
0.57	60	244	7.96E-01
1.94	7	52	1.67E-01
1.86	36	154	5.23E-01
1.01	31	147	1.00E+00
0.26	25	136	7.75E-01
0.92	17	75	9.55E-01
0.45	11	40	8.41E-01
.	45	201	9.15E-01
0.67	67	317	4.43E-01
0.48	13	59	8.74E-01
2.18	34	159	4.24E-01
1.09	20	92	7.26E-01
1.91	72	277	8.93E-01
0.34	13	48	6.96E-01
2.26	101	463	7.08E-01
1.00	23	65	1.93E-01
0.81	15	72	5.72E-01
.	9	56	4.56E-01
2.62	30	117	3.48E-01
1.30	82	350	6.40E-01
0.59	7	59	3.09E-03
0.97	61	199	3.72E-01
0.77	197	962	1.00E+00
0.85	99	414	9.41E-01
2.39	19	92	2.88E-01
2.17	34	153	4.50E-01
1.23	101	453	9.43E-01
0.11	24	145	9.63E-01
1.04	5	16	9.10E-01
0.53	17	95	1.00E+00
2.46	108	362	1.64E-01
1.12	46	184	9.04E-01
1.77	72	331	9.20E-02
1.16	44	190	8.65E-01

1.33	8	34	1.84E-02
0.82	6	36	6.16E-01
0.80	32	127	8.84E-01
0.93	13	49	6.75E-01
1.41	130	565	8.78E-01
.	4	12	9.39E-01
1.72	46	202	8.80E-01
0.93	92	379	7.91E-01
1.43	17	79	8.64E-01
3.49	18	71	6.71E-01
0.55	1	10	1.53E-01
0.70	4	32	7.91E-01
0.40	1	10	4.88E-01
0.61	15	106	7.33E-01
2.18	25	120	9.07E-01
.	4	13	6.79E-01
.	1	4	2.62E-02
1.72	8	26	6.21E-01
1.13	13	85	9.96E-01
1.50	10	33	8.94E-01
0.61	77	399	9.42E-01
1.63	3	15	8.38E-01
4.00	33	117	8.11E-02
0.93	112	445	9.15E-01
1.87	66	258	2.00E-01
0.65	3	11	9.52E-01
1.90	22	83	4.36E-01
1.51	11	56	7.41E-01
1.43	46	162	9.59E-01
0.41	19	97	9.00E-01
3.54	25	98	1.95E-01
0.57	94	412	9.42E-01
0.94	8	36	8.29E-01
0.63	6	38	1.62E-01
1.99	9	42	9.76E-01
.	4	31	7.59E-01
1.81	76	325	5.32E-01
.	4	20	6.96E-01
0.48	56	206	3.95E-01
1.10	15	39	8.79E-01
1.50	9	33	3.72E-01

1.17	16	61	9.47E-01
0.49	5	19	4.94E-01
0.38	61	261	6.57E-01
1.79	22	125	3.89E-01
1.30	26	130	9.47E-01
1.39	16	94	8.07E-01
0.61	7	42	9.09E-01
.	52	114	4.15E-01
1.04	22	116	1.00E+00
0.94	175	839	8.54E-01
.	21	94	9.92E-01
.	62	187	7.46E-01
0.95	38	190	1.00E+00
1.67	7	38	8.35E-01
0.86	11	59	8.24E-01
0.65	11	55	9.86E-01
0.99	43	249	4.48E-01
0.92	15	80	8.62E-01
1.16	58	321	9.96E-01
1.38	36	177	9.30E-01
0.73	78	294	2.67E-01
0.99	339	1487	1.00E+00
.	0	6	7.24E-01
.	4	24	6.19E-01
0.56	7	16	5.72E-01
.	4	7	4.44E-01
.	1	10	9.42E-01
.	14	19	1.23E-01
0.07	3	14	2.28E-01
6.18	4	10	1.16E-02
.	2	4	6.57E-01
1.64	26	137	4.68E-01
.	0	14	5.99E-01
1.30	2	8	1.56E-01
3.36	3	7	4.89E-01
.	5	23	9.33E-01
1.56	164	740	4.17E-01
.	11	45	5.65E-01
.	8	36	2.53E-01
0.43	44	240	3.29E-01
.	3	8	5.13E-01

.	1	8	7.34E-01
0.71	35	160	8.21E-01
1.17	11	75	3.30E-01
.	3	5	3.73E-01
0.89	4	22	9.57E-01
0.66	33	186	8.08E-01
.	7	33	5.44E-01
0.23	15	99	2.21E-01
1.12	15	59	9.89E-01
.	2	8	4.40E-01
0.48	7	39	2.82E-01
1.62	4	8	2.79E-01
0.48	3	25	1.70E-01
0.84	0	6	7.28E-01
.	1	6	1.13E-01
1.49	1	7	3.26E-01
.	4	14	1.00E+00
0.70	3	18	6.08E-01
.	59	270	8.43E-01
2.62	2	6	2.27E-01
.	23	126	8.60E-01
1.62	4	11	4.93E-01
.	31	134	1.00E+00
0.49	49	200	4.21E-01
1.96	65	306	4.45E-01
0.89	11	41	9.48E-01
1.70	39	195	6.23E-01
0.90	72	339	9.99E-01
1.21	33	126	9.13E-01
2.13	9	13	9.85E-01
0.48	9	40	9.86E-01
1.98	4	15	5.99E-01
0.58	24	132	6.03E-01
0.64	98	444	6.19E-01
1.05	39	185	1.00E+00
.	16	93	7.99E-01
1.77	36	163	8.97E-01
0.44	3	31	9.03E-01
2.40	15	50	3.62E-01
2.06	13	24	4.37E-01
0.98	54	202	9.28E-01

1.86	14	84	4.25E-01
0.92	38	172	7.99E-01
.	9	20	8.88E-02
.	8	37	7.53E-01
.	8	61	3.31E-02
.	9	34	6.42E-01
0.94	19	77	4.50E-01
.	9	18	4.39E-01
1.20	115	484	5.10E-01
1.03	9	36	7.91E-01
1.09	16	55	5.36E-01
.	1	4	7.93E-01
.	5	12	4.15E-01
.	2	7	6.35E-01
1.46	11	39	3.54E-01
.	30	116	9.96E-01
2.58	1	6	4.03E-01
0.04	22	108	4.79E-01
0.95	2	11	9.20E-01
0.64	1	22	5.64E-01
0.72	126	498	9.95E-01
.	32	158	3.96E-01
1.44	8	47	2.64E-01
2.34	12	50	9.78E-01
0.88	0	9	8.40E-01
1.67	7	12	2.60E-01
1.21	19	102	3.97E-01
1.65	18	64	6.89E-01
.	23	96	2.77E-01
0.43	18	96	5.29E-01
.	1	7	8.68E-01
1.06	1	8	7.43E-02
2.12	20	80	7.82E-02
0.84	64	297	1.00E+00
0.97	232	991	8.41E-01
1.00	44	188	7.69E-01
.	15	60	8.56E-01
.	13	64	5.34E-01
.	5	42	1.84E-01
1.10	3	8	3.81E-01
.	20	69	5.19E-01

.	8	36	5.36E-01
1.72	35	134	7.65E-01
0.70	108	364	1.15E-01
1.18	37	167	6.90E-01
0.32	85	345	9.79E-01
1.68	11	54	9.87E-02
.	5	29	9.12E-01
.	2	3	4.35E-01
1.16	4	33	7.68E-01
0.80	5	25	3.10E-01
0.96	19	160	2.41E-01
0.93	7	33	8.10E-01
.	0	10	5.49E-01
4.35	40	191	9.10E-01
.	27	162	4.49E-01
0.15	0	7	1.47E-01
0.52	0	6	7.57E-01
.	2	9	2.17E-01
1.18	9	34	5.62E-01
1.01	40	218	1.00E+00
1.42	97	349	1.00E+00
.	22	133	9.83E-01
.	2	9	6.21E-01
0.89	41	216	6.83E-01
1.79	425	1635	9.58E-01
0.44	165	801	9.96E-01
.	44	217	1.00E+00
.	11	31	5.34E-01
0.64	103	485	7.19E-01
3.01	31	130	9.82E-01
.	24	130	8.61E-01
.	5	21	7.71E-01
2.04	53	283	9.04E-01
1.47	2	7	1.70E-01
1.08	21	119	8.43E-01
.	90	425	3.52E-01
2.35	70	264	9.83E-01
.	18	72	3.87E-01
.	16	22	4.02E-02
.	2	33	1.56E-02
.	32	138	8.94E-01

1.52	1	8	8.43E-01
.	1	5	3.88E-01
.	3	6	3.01E-01
0.53	104	501	2.71E-01
.	3	5	1.78E-01
0.54	1	7	7.18E-01
.	0	5	7.38E-01
2.14	3	13	3.20E-01
1.30	3	15	6.47E-01
3.17	83	388	5.06E-01
1.37	8	18	1.30E-02
1.21	2	13	9.39E-01
0.56	44	202	8.82E-01
1.24	42	165	9.89E-01
2.33	18	96	7.99E-03
2.17	5	10	2.46E-01
2.08	2	11	1.83E-01
.	25	107	5.20E-01
0.96	24	104	7.34E-01
1.22	115	518	9.55E-01
1.07	10	55	2.02E-01
.	2	4	5.04E-01
2.22	22	91	8.83E-01
1.00	14	89	9.80E-01
0.94	9	53	1.66E-01
0.84	71	276	3.65E-01
1.86	30	146	1.59E-01
0.82	6	36	7.54E-01
0.22	3	35	1.77E-01
0.66	26	130	8.91E-01
2.12	35	117	4.73E-01
1.38	5	28	2.22E-01
1.69	14	28	6.07E-01
0.43	1	14	6.07E-01
1.19	7	16	3.08E-01
.	22	92	8.18E-01
.	9	46	1.76E-01
0.61	11	31	7.32E-01
1.03	6	58	9.56E-01
0.39	59	314	4.68E-01
2.09	16	93	5.32E-01

0.79	3	12	9.26E-01
0.84	47	268	3.94E-01
1.11	64	223	5.45E-01
1.13	5	29	8.80E-01
0.75	68	298	9.68E-01
0.85	30	112	6.09E-02
.	7	42	7.81E-01
0.34	4	28	1.68E-01
0.72	5	20	3.93E-01
.	2	5	9.03E-01
.	1	5	3.21E-01
.	91	339	4.37E-01
1.05	21	127	9.92E-01
.	13	46	7.38E-01
0.35	113	537	8.87E-01
0.54	11	55	1.64E-01
2.46	30	114	8.92E-01
.	26	137	8.09E-01
1.08	42	154	5.67E-01
5.18	7	16	1.36E-01
.	0	6	5.83E-01
1.02	14	77	7.52E-01
0.67	2	11	9.25E-01
.	88	432	8.49E-01
1.11	165	780	9.95E-01
0.66	98	524	3.25E-01
1.36	5	39	7.13E-01
1.60	10	19	3.12E-01
.	7	14	5.17E-02
0.68	30	167	9.17E-01
1.55	42	187	1.00E+00
2.17	82	414	4.19E-01
4.14	6	16	8.44E-01
1.69	23	73	7.87E-01
.	0	5	3.44E-01
0.83	3	17	3.43E-01
2.15	2	11	5.75E-01
0.32	102	525	9.29E-01
4.26	14	63	4.40E-01
0.91	8	30	1.00E+00
0.65	1	14	8.27E-01

1.01	6	25	8.26E-01
6.85	22	66	2.63E-01
.	31	117	8.95E-01
.	2	5	1.04E-01
1.18	22	70	1.00E+00
2.29	4	10	4.24E-01
.	4	31	3.29E-01
.	6	9	1.38E-01
1.43	5	17	1.30E-02
.	15	68	8.89E-01
0.34	13	71	6.61E-01
0.19	5	37	5.22E-01
0.25	17	97	9.11E-01
1.32	46	192	9.98E-01
1.05	4	18	7.37E-01
1.29	30	98	2.48E-01
1.58	71	323	9.10E-01
0.92	18	57	2.98E-01
.	9	57	1.02E-01
.	20	79	8.64E-01
0.30	6	37	2.37E-01
.	4	10	6.96E-01
.	1	4	8.51E-01
.	1	9	8.33E-01
1.10	8	37	9.02E-01
1.21	3	14	2.21E-01
1.30	5	17	2.94E-01
2.55	44	149	8.93E-01
0.43	2	16	7.67E-01
7.46	110	472	5.11E-01
0.95	26	108	3.57E-01
.	24	73	1.96E-01
1.49	8	29	8.20E-01
1.39	15	67	5.51E-01
1.48	5	11	6.52E-01
1.11	4	12	1.46E-01
4.13	2	29	2.38E-02
0.96	24	120	9.77E-01
2.88	35	139	1.00E+00
2.99	22	60	9.52E-02
2.03	16	42	5.02E-01

1.37	7	19	4.11E-01
1.52	61	311	9.92E-01
0.84	98	404	9.77E-01
0.83	51	229	9.86E-01
0.55	138	577	2.78E-01
0.34	1	34	4.29E-01
1.09	8	31	8.38E-01
0.38	9	25	7.63E-01
1.26	5	37	4.90E-01
1.30	10	47	3.14E-01
1.68	17	58	7.94E-01
1.74	4	17	3.46E-01
0.81	66	308	9.96E-01
0.41	34	200	1.06E-01
1.42	116	494	4.63E-01
1.45	55	249	8.58E-01
.	12	74	2.82E-01
1.74	1	6	5.92E-01
1.45	7	22	7.27E-01
.	46	179	3.86E-01
0.53	48	197	1.00E+00
1.80	212	1089	9.28E-01
0.63	32	142	6.26E-01
1.06	4	9	8.26E-01
.	0	13	9.30E-02
.	2	10	3.37E-01
.	27	126	8.05E-01
0.90	27	99	4.59E-01
1.41	6	60	7.17E-02
.	46	158	7.30E-01
2.46	10	42	8.82E-01
0.95	42	216	9.29E-01
2.47	60	225	8.25E-01
0.68	11	84	9.93E-02
1.69	42	162	4.58E-01
0.73	5	20	8.67E-01
1.14	140	714	7.11E-01
0.34	6	43	2.14E-01
0.45	9	43	9.72E-01
.	2	5	2.30E-01
.	11	57	9.20E-01

.	10	66	6.64E-01
2.27	34	133	8.85E-01
.	4	19	3.11E-01
.	4	14	5.60E-01
1.61	10	36	8.27E-01
0.55	71	357	1.28E-01
.	12	55	5.97E-01
0.73	9	33	9.99E-01
1.38	54	277	5.36E-01
0.36	33	134	9.94E-01
.	0	6	8.14E-01
2.03	19	72	5.10E-01
0.81	39	140	9.92E-01
2.48	25	70	3.72E-01
0.55	83	418	5.99E-01
1.41	12	42	5.36E-01
0.95	13	65	8.60E-01
0.99	5	35	8.92E-01
.	15	57	3.94E-01
0.41	81	268	1.16E-01
1.13	43	169	8.16E-01
1.34	12	48	7.70E-01
2.05	23	83	8.57E-01
.	16	74	8.48E-01
0.37	57	219	9.02E-01
2.88	9	34	3.56E-02
1.61	101	500	7.16E-01
0.35	120	533	6.88E-01
2.07	18	45	1.00E+00
0.74	10	52	4.87E-01
0.32	56	251	1.00E+00
0.58	20	113	9.97E-01
0.77	9	58	9.02E-01
0.67	79	369	9.92E-01
0.94	2	8	7.66E-01
2.00	70	296	1.66E-01
.	1	6	9.40E-02
.	4	20	1.90E-01
.	2	12	8.63E-01
.	1	11	2.77E-01
0.28	105	449	4.31E-01

1.30	3	14	3.84E-01
0.83	5	14	9.48E-01
0.06	4	23	5.13E-01
.	11	40	8.38E-01
1.50	71	357	8.31E-01
.	2	11	9.58E-01
.	3	6	3.56E-02
.	2	15	3.13E-01
1.67	20	71	8.84E-01
1.38	10	24	2.26E-01
0.48	11	42	5.27E-01
4.53	12	30	4.07E-01
0.37	9	23	2.29E-02
.	9	59	1.10E-01
0.82	10	65	9.97E-01
9.88	66	314	8.68E-01
0.65	42	164	3.42E-01
0.40	1	26	9.06E-01
1.10	54	281	9.69E-01
.	6	38	1.19E-01
.	3	16	2.91E-01
.	2	11	5.65E-01
5.86	14	22	6.73E-02
1.24	2	12	3.07E-01
0.91	12	29	9.95E-01
1.52	3	7	6.61E-01
.	31	115	8.77E-01
.	0	7	8.00E-01
0.68	5	29	7.58E-01
0.52	33	153	7.97E-01
1.85	4	14	6.33E-01
0.95	4	23	4.00E-01
.	3	18	6.17E-01
1.35	3	10	2.86E-01
.	1	5	9.49E-02
1.49	17	57	9.41E-01
0.81	4	26	8.94E-01
1.72	81	412	2.98E-01
.	4	7	8.55E-02
0.80	9	41	5.47E-01
.	68	304	8.66E-01

3.14	4	11	2.91E-01
0.95	68	358	5.00E-01
1.23	33	112	4.88E-01
.	6	12	8.50E-01
1.09	4	23	8.93E-01
0.29	22	124	1.91E-01
3.45	5	31	4.10E-01
.	8	29	2.22E-01
0.54	20	102	9.72E-01
0.32	15	90	1.00E+00
1.16	58	206	6.77E-01
0.85	5	37	4.97E-01
0.43	6	29	8.08E-01
0.46	3	27	2.25E-01
.	2	7	8.98E-01
1.18	8	16	7.78E-02
2.04	38	149	2.13E-01
.	51	177	4.88E-01
.	2	7	2.97E-01
.	168	703	5.60E-01
.	1	23	4.98E-01
0.78	16	74	5.95E-01
0.19	3	42	5.23E-01
0.15	90	318	4.84E-01
1.12	2	9	2.55E-02
5.49	8	7	3.76E-02
.	2	3	3.70E-02
0.92	74	361	1.00E+00
2.87	57	259	6.96E-01
0.59	300	1204	7.40E-01
.	18	81	2.72E-01
1.35	10	35	3.08E-01
.	1	7	2.62E-01
.	4	14	5.20E-01
.	0	9	5.43E-02
1.58	9	34	6.18E-01
.	12	56	5.72E-01
5.38	29	160	4.46E-01
0.57	2	17	2.20E-01
.	105	351	7.59E-01
1.92	73	285	1.00E+00

.	1	5	3.11E-01
0.71	4	25	9.68E-01
.	7	18	3.90E-01
.	15	76	9.87E-01
1.24	1	7	8.00E-01
.	6	18	1.36E-01
1.44	114	539	7.84E-01
.	6	40	3.10E-01
.	74	313	7.25E-01
.	65	261	6.94E-01
.	28	138	6.96E-01
.	25	96	2.29E-01
.	1	7	1.32E-01
.	2	6	8.75E-01
0.16	0	19	8.09E-01
3.02	2	13	4.23E-01
0.90	3	24	6.08E-01
0.42	9	36	6.12E-02
1.01	9	34	3.55E-01
1.05	76	336	7.89E-02
.	1	5	4.74E-01
1.80	22	45	9.06E-03
.	30	179	1.10E-02
2.62	2	7	2.63E-01
0.16	1	13	4.54E-01
0.33	3	23	5.31E-01
2.18	9	58	7.38E-01
.	4	3	1.04E-01
0.71	41	173	5.94E-01
3.56	6	11	1.69E-01
1.36	8	32	9.98E-01
0.26	6	48	9.22E-01
0.33	48	218	9.59E-01
0.88	109	487	8.03E-01
.	4	6	4.38E-01
2.05	9	48	9.58E-01
0.97	65	315	1.00E+00
4.08	8	49	3.24E-01
0.69	63	251	3.95E-01
.	22	72	9.59E-01
0.37	22	62	1.06E-01

2.02	28	178	6.13E-01
0.57	2	22	2.32E-01
.	1	5	4.96E-01
.	0	9	5.90E-01
1.50	2	12	1.96E-02
0.74	19	81	7.71E-01
.	2	6	8.63E-01
0.29	1	7	4.69E-01
0.74	70	305	7.75E-01
.	52	185	9.15E-01
.	5	12	3.23E-01
.	4	14	6.71E-01
.	23	82	6.75E-01
2.55	8	23	5.94E-01
.	36	150	7.52E-01
.	7	40	4.79E-01
0.09	5	54	2.05E-01
0.96	16	75	3.01E-01
1.01	3	27	4.69E-01
0.64	31	122	1.00E+00
.	9	48	8.35E-01
.	2	6	7.64E-01
.	6	26	8.26E-01
1.00	12	39	8.45E-01
4.49	59	256	5.11E-01
.	21	61	6.17E-01
0.06	100	400	1.00E+00
0.81	10	58	3.09E-01
.	5	20	8.21E-01
1.15	60	306	9.99E-01
0.18	8	52	9.45E-01
.	0	7	7.38E-01
.	3	6	5.10E-01
4.12	21	98	5.90E-01
1.56	74	308	9.68E-01
.	1	9	9.27E-01
.	4	30	3.30E-01
.	2	10	3.97E-01
2.21	1	8	2.69E-01
1.13	83	393	9.46E-01
0.79	121	645	1.00E+00

1.11	30	129	9.79E-01
1.07	37	259	2.71E-01
1.24	7	65	4.37E-01
0.70	10	62	1.00E+00
2.08	108	485	9.96E-01
0.93	37	142	9.71E-01
1.19	28	142	5.23E-01
.	1	8	8.37E-01
1.03	5	25	6.05E-02
1.70	25	115	6.04E-02
1.42	67	286	7.96E-01
.	8	29	9.98E-01
0.29	12	93	2.25E-01
0.58	214	816	7.40E-01
2.00	68	414	6.84E-01
1.65	4	14	6.93E-01
0.75	11	38	6.42E-01
.	116	394	2.73E-01
0.27	7	62	2.48E-01
.	23	92	1.19E-02
.	26	114	1.00E+00
1.28	8	54	9.27E-01
1.74	5	17	7.47E-01
.	1	8	7.98E-01
.	1	10	5.51E-01
0.81	54	288	1.00E+00
1.80	47	177	2.08E-01
4.25	7	14	5.66E-01
.	4	24	2.14E-01
.	40	193	8.13E-01
.	30	140	2.69E-01
.	1	5	8.48E-01
1.11	44	170	9.14E-01
0.16	9	49	7.98E-01
1.02	4	12	8.57E-01
.	1	6	5.47E-01
.	31	127	9.57E-01
.	2	10	2.25E-01
.	2	10	5.27E-01
0.93	3	19	7.73E-01
.	3	49	4.89E-03

.	1	6	3.67E-01
0.09	0	14	1.18E-01
2.88	4	9	8.12E-02
0.57	3	26	5.05E-01
.	2	16	1.26E-01
0.90	34	151	5.86E-01
0.98	75	277	2.52E-01
1.22	102	491	4.72E-01
0.85	119	465	7.23E-01
.	4	9	8.97E-01
.	2	9	8.82E-01
.	2	5	2.19E-01
1.97	22	103	9.50E-01
.	23	159	4.42E-01
.	20	114	5.03E-01
0.89	8	36	9.93E-01
.	3	3	3.50E-01
.	96	423	1.00E+00
0.41	27	166	5.53E-01
0.87	10	44	8.80E-01
.	2	9	6.11E-01
1.87	33	189	9.42E-02
.	0	9	9.10E-01
.	0	5	1.93E-01
2.64	34	157	2.85E-01
1.69	9	36	6.45E-02
.	1	9	1.94E-01
0.47	64	196	1.87E-01
.	5	23	7.64E-01
0.40	70	328	6.04E-01
2.04	48	241	6.02E-01
1.80	59	251	9.04E-01
1.01	5	22	1.00E+00
0.42	4	38	6.54E-01
0.81	52	204	4.97E-01
2.06	42	174	8.97E-01
.	6	13	5.04E-01
.	1	23	8.55E-01
3.89	43	138	3.07E-02
0.70	1	4	8.47E-01
.	11	35	3.24E-02

0.94	33	124	9.99E-01
8.47	3	8	1.44E-02
0.81	43	205	8.85E-01
1.88	6	22	4.87E-01
0.97	13	37	1.14E-01
2.37	16	50	3.06E-01
0.65	13	82	1.83E-01
1.12	50	218	1.50E-01
0.53	5	14	3.52E-01
2.34	6	13	8.99E-02
1.16	9	38	9.19E-02
1.14	24	131	8.88E-01
.	3	8	4.09E-01
1.99	79	319	6.48E-01
1.10	52	242	8.09E-01
.	2	7	9.48E-02
1.63	2	10	5.36E-01
3.02	2	12	3.08E-01
.	53	220	9.04E-01
.	37	115	5.07E-01
0.68	148	754	7.38E-01
2.60	90	407	7.43E-01
0.47	0	11	7.91E-01
0.36	0	7	8.70E-01
.	0	10	8.46E-01
.	4	4	6.97E-01
2.42	21	81	3.66E-01
1.54	16	65	3.63E-01
.	2	5	9.22E-02
0.20	3	10	5.98E-01
1.33	26	133	3.17E-01
1.39	16	80	9.97E-01
2.17	7	15	2.85E-01
0.94	3	11	9.40E-02
0.47	2	13	6.28E-01
1.43	10	31	4.66E-01
2.19	5	12	2.07E-02
2.07	24	99	3.00E-01
0.93	23	95	8.85E-01
1.16	28	119	1.00E+00
.	0	9	7.73E-02

.	76	344	4.72E-01
1.04	85	379	1.00E+00
0.78	1	14	7.43E-01
.	3	24	2.27E-01
1.69	6	32	1.77E-01
4.75	2	9	6.16E-02
.	4	19	8.50E-01
1.12	66	242	8.91E-01
1.23	17	48	6.75E-01
0.78	4	51	4.69E-01
.	3	8	7.45E-01
0.27	32	145	1.00E+00
.	82	315	1.00E+00
1.54	50	290	3.23E-01
2.18	9	20	9.33E-02
0.45	0	8	4.08E-01
0.30	9	58	2.94E-01
2.31	53	143	2.70E-01
0.75	19	109	4.93E-01
2.15	68	317	1.00E+00
0.86	15	79	9.55E-01
1.10	21	84	1.41E-01
.	2	13	9.22E-01
0.72	20	76	4.52E-01
.	41	137	2.91E-02
0.39	2	10	6.23E-01
.	1	6	4.28E-01
1.02	4	28	3.05E-01
.	27	103	5.43E-01
.	2	5	3.06E-01
2.12	31	129	9.61E-01
.	46	206	7.95E-01
0.28	3	8	4.97E-01
.	55	197	7.68E-01
.	33	101	2.98E-02
.	11	52	9.99E-01
.	4	7	7.39E-01
0.66	7	21	3.45E-01
1.39	1	15	6.51E-01
3.20	80	336	9.98E-01
0.98	31	132	1.00E+00

.	1	26	8.68E-02
.	22	70	4.48E-01
2.39	23	48	1.85E-02
0.67	4	26	4.07E-01
.	2	5	8.15E-02
.	44	155	6.77E-01
0.57	92	367	4.59E-01
1.03	14	87	6.88E-01
1.14	4	29	7.00E-01
0.42	39	235	5.89E-01
0.95	3	6	1.43E-01
1.19	110	476	8.33E-01
.	59	344	1.78E-01
1.17	8	43	5.00E-01
0.99	3	23	9.09E-01
0.94	11	64	3.09E-01
0.94	181	817	1.00E+00
1.77	78	368	9.28E-01
1.17	198	857	9.67E-01
0.55	7	38	2.23E-01
.	10	47	6.87E-01
1.19	32	155	1.00E+00
0.70	90	403	1.00E+00
0.42	14	67	6.25E-01
0.98	55	299	6.80E-01
3.13	16	44	7.02E-01
0.66	19	51	4.41E-02
1.30	31	115	2.48E-01
.	20	158	3.75E-02
1.77	3	7	9.50E-01
1.67	2	6	2.99E-01
1.09	30	120	3.26E-01
8.29	3	9	4.76E-02
0.31	5	20	3.29E-01
0.43	1	10	9.30E-01
1.12	40	194	3.92E-01
1.09	4	13	8.72E-01
1.52	15	62	9.85E-01
0.92	26	123	3.17E-01
1.39	3	8	1.32E-01
1.09	109	443	1.00E+00

0.83	18	112	7.59E-01
0.91	5	28	5.45E-01
0.06	0	8	3.84E-01
6.41	10	37	4.16E-01
.	1	5	7.42E-01
0.97	1	5	8.55E-01
.	2	8	5.47E-01
.	1	7	2.27E-01
2.38	12	47	7.98E-01
0.70	10	73	4.55E-01
.	3	26	4.55E-01
.	3	9	6.02E-01
.	28	98	5.14E-01
0.85	15	62	3.81E-01
2.39	5	28	4.97E-01
0.64	56	259	4.63E-01
1.24	58	249	9.55E-01
0.92	2	6	6.68E-01
0.65	4	13	1.97E-01
.	26	145	3.88E-01
.	0	6	3.84E-01
0.40	22	127	6.73E-01
.	4	37	3.84E-01
0.83	3	19	9.98E-01
.	2	15	4.26E-01
.	1	5	8.07E-01
0.48	25	113	9.81E-01
.	2	10	9.04E-01
0.70	22	145	1.00E+00
0.87	35	127	8.87E-01
0.59	18	76	3.41E-01
0.64	18	107	9.80E-01
0.55	12	55	9.04E-01
0.83	118	480	4.43E-01
1.21	40	123	2.44E-01
0.85	3	15	3.91E-01
0.69	83	373	4.56E-01
.	0	6	6.20E-01
0.13	4	49	4.17E-01
.	2	5	7.79E-01
1.51	60	271	1.00E+00

0.97	89	340	9.91E-01
1.29	17	54	9.44E-01
0.77	95	497	9.67E-01
1.18	10	54	7.01E-01
0.37	8	54	9.71E-01
3.03	3	22	5.47E-01
.	14	72	9.52E-01
2.36	18	44	7.25E-01
0.16	3	41	3.51E-02
.	1	6	9.85E-02
3.51	17	124	6.12E-01
.	25	83	8.97E-01
.	4	18	8.69E-01
0.66	7	19	1.91E-01
0.56	63	255	8.15E-01
1.31	3	7	8.96E-01
.	17	81	5.33E-01
1.49	5	23	8.46E-01
0.63	1	8	9.31E-01
2.13	63	259	8.43E-01
0.74	75	283	6.88E-01
1.20	11	47	2.98E-01
.	30	93	1.00E+00
.	48	296	7.51E-02
0.65	12	60	5.50E-01
1.09	112	451	7.69E-01
1.51	88	369	1.00E+00
0.57	23	100	5.13E-01
0.66	15	78	8.61E-01
1.02	8	24	5.62E-01
.	2	9	4.33E-01
3.78	8	22	1.16E-01
0.67	87	397	1.00E+00
0.94	5	21	3.61E-01
.	1	12	9.07E-01
.	0	19	1.66E-01
1.49	4	4	2.63E-01
0.88	1	7	8.69E-01
3.00	3	15	3.53E-01
1.06	41	158	2.40E-01
.	0	5	7.22E-01

.	18	88	6.92E-01
3.43	15	58	6.11E-01
.	7	18	2.64E-02
0.95	7	29	5.28E-01
0.62	0	7	8.59E-01
0.96	8	20	4.96E-01
.	30	134	6.50E-01
1.64	66	313	7.97E-01
1.06	204	827	9.95E-01
0.53	2	15	8.20E-02
.	4	5	4.33E-01
.	59	206	4.13E-02
.	1	7	6.79E-02
.	10	28	6.66E-01
.	88	405	9.06E-01
.	36	179	8.94E-01
0.98	2	18	9.07E-01
10.87	4	8	4.85E-03
.	2	11	2.06E-01
0.75	0	8	7.53E-01
2.29	41	149	5.28E-01
.	2	5	2.04E-01
.	2	9	3.74E-01
0.92	11	32	2.50E-01
1.80	31	108	8.42E-01
.	27	160	3.12E-01
0.67	2	8	6.97E-01
0.51	2	22	6.15E-01
0.42	21	119	9.94E-01
1.67	17	46	2.14E-01
0.41	2	10	1.06E-01
.	24	103	9.01E-01
.	1	7	8.38E-01
0.09	25	105	6.57E-01
0.77	2	17	8.13E-01
3.53	14	45	1.82E-01
1.25	41	175	1.92E-01
0.81	53	249	9.86E-01
.	6	39	8.23E-01
1.59	106	441	5.77E-01
.	1	9	7.13E-01

ACCEPTED MANUSCRIPT

.	3	7	2.61E-01
0.27	40	279	4.64E-01
2.24	4	8	1.62E-01
1.94	3	7	6.66E-01
8.18	4	6	9.37E-02
.	3	27	8.92E-01
.	3	20	4.49E-01
.	3	4	2.40E-01
2.26	194	763	4.94E-01
0.93	3	51	1.78E-01
0.07	34	196	8.49E-01
1.20	37	176	9.75E-01
.	1	12	8.15E-01
.	6	51	2.44E-01
0.65	7	48	7.35E-01
1.46	10	27	7.10E-01
0.94	100	400	8.53E-01
3.20	5	6	6.35E-01
3.85	8	15	1.27E-02
1.32	13	69	6.19E-01
1.09	17	84	6.97E-01
0.63	6	24	2.30E-01
0.38	11	71	9.76E-01
1.59	14	79	7.29E-01
1.14	63	345	6.61E-01
0.45	17	95	1.00E+00
0.72	5	21	3.87E-01
1.65	52	174	4.45E-01
0.53	18	63	8.40E-01
.	83	425	6.27E-01
1.13	34	135	4.95E-01
.	5	12	7.20E-01
1.45	18	82	9.95E-01
2.64	2	11	6.60E-01
.	3	18	7.99E-01
0.43	5	24	7.91E-01
0.41	36	180	7.85E-01
0.48	9	69	1.02E-01
0.76	0	9	7.19E-01
0.72	3	10	7.07E-02
.	74	311	7.77E-01

.	1	6	5.42E-01
.	0	6	6.77E-01
.	0	6	7.46E-01
.	3	6	9.52E-01
3.54	9	31	6.37E-01
0.63	18	63	6.22E-01
.	34	119	5.85E-01
.	40	152	8.45E-01
.	2	8	6.04E-01
.	36	173	4.19E-01
0.22	1	10	6.00E-01
2.00	18	117	2.10E-01
1.77	26	80	9.84E-01
1.12	99	583	2.03E-01
1.44	13	73	1.90E-01
1.06	53	269	9.96E-01
1.61	21	85	8.03E-01
0.92	11	32	5.56E-01
0.94	5	17	9.84E-01
.	1	7	8.28E-01
1.03	10	41	5.61E-01
.	79	394	8.22E-01
2.25	52	216	1.65E-01
1.97	189	794	3.05E-01
.	2	19	8.67E-01
.	12	54	4.98E-01
.	7	17	7.32E-02
.	21	123	3.71E-01
.	6	3	4.05E-02
.	2	13	6.29E-01
.	5	14	5.54E-01
0.64	4	16	2.02E-01
2.92	15	70	8.88E-01
1.43	205	962	7.65E-01
0.91	5	18	3.65E-01
.	18	111	7.08E-01
0.98	9	32	9.24E-01
0.05	0	18	2.16E-01
0.89	1	8	8.98E-01
.	2	12	9.11E-01
.	2	6	8.45E-01

0.52	6	18	1.72E-02
0.77	30	137	9.15E-01
.	4	24	8.83E-01
2.53	8	46	6.80E-01
.	18	59	9.99E-01
.	13	46	7.77E-01
1.31	8	74	4.45E-01
0.69	14	47	9.27E-01
5.76	7	18	2.85E-01
0.32	55	231	7.44E-01
.	17	54	5.25E-01
.	4	8	5.33E-01
1.14	61	198	1.00E+00
2.04	23	86	6.70E-02
.	8	61	4.01E-01
.	8	42	1.66E-01
.	3	9	5.68E-02
1.90	31	110	7.88E-03
0.48	120	606	8.55E-01
1.68	20	52	7.21E-01
6.02	3	10	1.10E-02
.	61	220	9.02E-01
.	4	24	5.12E-01
.	2	6	5.25E-01
.	9	42	2.13E-01
3.82	6	48	8.79E-02
.	7	42	9.17E-02
0.99	53	306	9.96E-01
0.16	9	70	4.40E-01
0.22	17	86	8.94E-01
1.17	68	216	7.59E-01
0.43	16	139	5.37E-01
1.79	8	12	6.01E-01
0.72	8	40	4.39E-01
2.16	15	25	7.71E-02
.	0	5	5.83E-01
1.53	19	72	5.79E-01
0.23	2	7	3.31E-01
0.90	9	25	7.97E-01
0.60	4	20	5.28E-01
.	7	63	8.78E-02

2.28	5	18	9.17E-02
1.66	50	307	5.20E-01
0.08	0	14	4.05E-01
0.97	7	20	7.85E-01
.	111	541	6.41E-01
1.14	56	208	7.85E-01
1.70	10	80	3.53E-01
1.97	81	413	4.00E-01
.	5	16	9.05E-02
1.02	1	12	8.64E-01
.	6	12	2.18E-01
0.45	38	164	5.94E-01
.	3	17	5.72E-01
.	8	44	4.80E-01
.	0	5	4.69E-01
5.77	4	6	1.67E-02
2.46	9	23	1.99E-01
0.69	132	542	8.17E-01
.	1	13	5.78E-01
0.75	10	60	8.71E-01
.	6	23	5.12E-01
.	52	251	9.32E-01
.	54	234	7.22E-01
0.36	24	135	4.55E-01
.	7	29	8.85E-01
.	12	71	6.10E-01
0.71	130	564	8.79E-01
.	9	18	1.08E-01
0.63	64	256	3.24E-01
5.52	7	8	3.76E-02
1.81	46	188	9.41E-01
1.59	200	795	7.36E-01
1.19	131	593	6.76E-01
2.34	57	334	1.69E-01
0.85	20	58	7.26E-02
.	20	75	2.92E-01
.	34	165	2.74E-01
0.14	17	106	9.04E-01
.	8	43	4.65E-01
2.67	11	30	3.05E-01
2.41	4	24	3.60E-01

.	8	14	7.82E-01
1.59	11	31	5.33E-01
.	10	23	2.61E-01
1.62	50	173	9.01E-01
0.98	8	15	7.95E-02
0.17	3	28	9.93E-01
0.78	16	85	1.00E+00
.	1	9	6.22E-01
.	3	3	4.58E-01
2.24	3	8	1.85E-01
.	3	21	5.05E-01
.	74	353	6.82E-01
4.04	3	5	2.03E-01
0.54	11	49	6.32E-01
0.99	22	105	1.00E+00
0.54	5	32	4.93E-01
.	3	14	7.48E-02
3.78	21	90	9.46E-01
1.00	74	324	1.00E+00
0.92	1	9	5.13E-01
.	0	5	7.30E-01
0.96	69	282	4.22E-01
0.62	26	128	9.88E-01
.	2	4	9.34E-01
0.69	2	13	7.26E-01
0.92	9	49	5.50E-01
1.45	7	30	7.38E-01
1.61	115	479	8.97E-01
1.56	46	242	8.68E-01
.	3	2	5.01E-02
1.74	9	17	1.02E-02
0.93	15	55	9.77E-01
0.71	3	26	4.51E-01
1.23	6	21	3.88E-01
.	10	15	2.27E-03
1.25	30	127	8.59E-01
.	38	169	3.10E-01
0.59	0	13	8.60E-01
.	0	6	8.05E-01
0.88	67	343	2.27E-01
.	3	5	2.75E-01

.	2	4	7.96E-01
.	2	8	2.86E-01
0.37	66	336	9.07E-01
2.76	151	705	9.10E-01
.	94	310	2.06E-01
.	26	101	8.24E-01
.	143	683	7.13E-01
1.29	4	24	2.97E-01
.	47	143	9.09E-01
2.89	179	731	1.00E+00
.	6	43	1.41E-01
0.43	15	80	9.95E-01
.	47	179	1.87E-01
1.28	5	37	9.12E-01
1.09	34	157	9.93E-01
1.09	84	351	5.38E-01
.	14	46	6.55E-01
1.39	5	33	9.43E-01
1.60	359	1625	9.51E-01
.	3	21	3.40E-02
.	6	16	8.94E-01
0.31	15	66	6.00E-01
.	10	48	4.30E-02
.	14	61	5.37E-01
.	70	398	4.54E-01
.	40	132	9.04E-01
.	2	7	5.58E-01
1.24	50	228	1.00E+00
.	24	79	3.93E-01
0.49	16	78	9.60E-01
.	37	177	9.51E-01
.	0	8	8.61E-01
0.73	2	21	7.46E-01
.	2	7	2.26E-02
.	4	5	2.98E-01
4.15	5	11	1.20E-01
.	11	25	5.22E-01
1.12	67	331	5.26E-01
.	3	9	8.09E-01
1.83	3	19	9.74E-02
.	5	20	7.72E-02

1.68	16	89	7.23E-01
.	1	6	1.26E-01
.	10	58	7.35E-01
.	12	46	6.81E-01
3.61	3	11	4.14E-01
2.12	9	43	1.59E-01
.	101	495	5.66E-01
1.76	11	17	7.08E-02
9.11	7	32	1.50E-01
.	3	5	4.08E-01
.	1	8	1.40E-01
1.56	2	9	3.92E-01
.	5	21	4.50E-02
.	9	22	9.76E-02
0.59	15	48	2.47E-01
.	0	5	3.22E-01
.	0	6	6.81E-01
.	28	88	6.75E-02
1.32	8	36	5.05E-01
.	0	12	8.26E-01
.	1	7	6.55E-01
.	2	4	8.46E-01
0.72	5	19	9.86E-01
.	1	4	1.82E-01
1.40	13	33	3.69E-01
.	0	9	1.63E-01
0.40	8	71	6.27E-01
0.31	29	83	4.03E-01
.	12	30	1.12E-01
.	22	104	7.78E-01
.	51	272	7.39E-01
.	86	307	8.81E-01
.	73	266	4.12E-01
.	3	16	8.50E-01
3.92	5	8	9.21E-02
.	6	12	3.24E-01
.	23	103	9.38E-01
.	1	10	4.07E-01
.	2	8	3.19E-01
0.32	31	122	7.05E-01
.	4	12	4.98E-01

.	2	3	1.08E-01
.	1	4	3.29E-01
0.22	43	152	9.87E-01
1.62	13	72	1.66E-01
.	2	9	2.97E-01
.	46	247	4.51E-01
1.94	2	12	3.00E-01
.	0	5	6.21E-01
4.78	6	5	1.26E-02
.	77	371	9.53E-01
1.97	24	67	5.66E-01
.	47	149	9.17E-01
0.62	48	201	6.20E-01
0.59	5	25	3.81E-01
.	3	12	9.09E-01
1.01	25	107	1.00E+00
.	13	75	9.30E-01
.	2	29	2.24E-01
.	30	136	8.12E-01
0.87	6	32	5.43E-01
0.90	7	52	8.55E-01
.	0	7	8.90E-01
.	87	372	7.98E-01
.	24	68	2.80E-01
0.25	1	5	3.81E-02
0.71	41	140	3.46E-01
10.72	6	14	2.65E-02
.	12	42	8.70E-02
.	5	33	7.08E-01
.	3	8	9.51E-01
1.08	5	24	2.71E-01
2.30	25	62	5.74E-01
1.02	24	90	7.74E-01
.	37	156	1.13E-01
.	128	521	1.00E+00
2.68	6	11	5.32E-01
1.35	4	18	4.03E-01
1.46	7	37	6.27E-02
.	9	44	9.15E-01
2.13	9	46	4.82E-01
.	3	23	4.60E-01

.	5	35	6.91E-01
.	1	14	5.49E-01
0.47	132	745	4.08E-01
.	1	9	7.98E-01
.	53	260	6.43E-01
1.71	6	22	3.62E-01
.	4	9	6.24E-01
.	6	19	3.58E-01
.	3	5	1.52E-02
.	15	60	1.70E-01
.	14	38	6.81E-02
1.48	27	100	5.42E-01
.	4	12	6.57E-01
.	47	203	5.31E-01
.	2	13	6.48E-01
.	59	209	5.22E-01
.	2	15	7.89E-01
0.27	99	351	3.42E-01
.	62	215	6.35E-01
.	0	8	7.67E-01
.	84	469	1.44E-01
.	13	48	9.88E-01
.	2	5	9.67E-02
.	0	5	7.18E-01
.	1	4	3.32E-01
0.49	63	249	7.37E-01
0.44	5	43	7.39E-01
0.30	1	12	1.64E-01
.	8	32	1.72E-01
1.18	1	7	8.37E-01
.	26	115	8.51E-01
.	53	267	6.67E-01
1.38	7	31	9.92E-01
.	8	18	2.01E-02
2.04	11	25	4.86E-01
.	0	13	6.37E-01
.	2	20	5.92E-01
0.75	72	381	9.44E-01
.	0	7	8.35E-01
0.76	9	52	9.74E-01
0.43	2	26	2.14E-01

.	56	278	5.65E-01
.	11	46	9.26E-01
3.20	38	223	1.00E+00
.	122	535	2.88E-01
0.72	9	32	4.04E-01
1.34	1	13	4.29E-01
.	4	14	3.35E-01
0.58	97	435	1.00E+00
.	4	16	4.56E-01
0.68	18	94	9.85E-01
0.46	60	324	6.06E-01
.	5	10	4.04E-01
.	3	7	9.03E-01
.	60	264	7.91E-01
.	1	7	3.00E-01
.	19	95	5.70E-01
.	21	114	7.05E-01
.	1	6	3.28E-01
1.94	162	892	1.40E-02
1.59	57	217	7.39E-01
.	7	37	4.38E-01
1.45	11	49	8.58E-01
.	20	52	4.59E-01
1.68	1	12	8.13E-01
.	3	11	9.11E-01
1.31	3	29	2.41E-02
.	24	119	8.68E-01
.	2	5	9.02E-01
.	2	10	8.59E-01
.	10	57	9.26E-01
.	3	13	7.39E-01
1.99	15	69	9.09E-01
.	38	131	6.17E-01
.	42	233	9.06E-01
.	5	33	9.67E-01
1.41	18	95	3.53E-01
.	3	3	2.39E-01
1.80	5	16	7.54E-01
.	17	94	3.02E-01
.	2	11	9.29E-01
.	3	8	2.66E-01

.	7	37	8.03E-01
1.58	20	89	3.97E-01
.	1	7	8.16E-01
1.92	5	17	1.81E-01
0.63	1	9	8.79E-01
.	18	88	7.37E-01
.	2	3	4.72E-01
.	0	9	4.52E-01
.	1	6	7.43E-01
0.41	0	11	8.13E-01
0.51	0	5	7.48E-01
2.30	2	4	7.16E-02
.	19	74	9.02E-01
2.06	4	11	5.96E-01
1.15	26	107	1.00E+00
0.92	58	274	1.00E+00
1.53	9	37	1.49E-01
0.31	12	59	1.91E-01
2.51	3	10	6.29E-01
.	0	7	9.04E-01
0.81	13	45	4.52E-01
0.91	5	21	4.43E-01
.	43	202	8.17E-01
0.71	3	11	4.90E-01
.	7	37	2.95E-01
.	5	32	7.22E-01
.	1	7	7.99E-01
.	2	21	3.45E-01
1.11	32	131	8.29E-01
0.62	26	134	7.25E-01
.	74	361	7.99E-01
.	6	40	1.66E-01
4.84	6	16	3.13E-01
3.15	3	11	5.29E-01
0.40	1	19	4.28E-01
0.15	3	17	3.55E-01
.	2	6	2.32E-01
.	59	265	9.77E-01
.	48	190	7.32E-01
1.97	2	6	6.17E-01
.	28	118	7.20E-01

.	7	42	1.73E-01
1.05	58	166	1.65E-01
.	57	242	7.23E-01
0.72	73	325	1.00E+00
1.20	1	10	3.06E-01
0.52	4	15	4.98E-01
.	1	5	6.89E-01
0.24	5	28	4.44E-01
.	10	67	2.32E-01
.	42	154	7.47E-01
.	4	5	1.99E-01
1.26	5	27	7.62E-01
1.35	10	29	3.22E-01
.	18	53	2.52E-01
.	64	339	8.53E-02
.	54	271	9.05E-01
.	3	25	4.25E-01
0.19	13	45	2.28E-01
.	83	351	1.00E+00
.	7	28	6.45E-01
.	0	9	8.15E-01
.	2	23	4.34E-01
.	7	31	9.85E-01
.	22	106	7.33E-01
1.21	82	355	1.00E+00
.	18	63	7.75E-01
.	5	6	3.67E-01
0.88	9	47	6.91E-01
.	12	43	6.59E-01
4.58	28	121	6.64E-01
1.71	2	5	6.99E-01
.	3	19	9.10E-01
0.97	12	65	1.00E+00
0.58	38	120	1.70E-01
.	58	193	5.36E-01
0.41	79	355	9.37E-01
.	1	5	8.61E-01
0.54	85	421	9.99E-01
.	12	48	2.43E-01
.	13	38	2.89E-01
.	12	46	8.82E-01

.	7	39	7.67E-01
.	8	12	7.06E-01
1.27	5	43	4.69E-01
.	0	11	7.41E-01
.	115	489	6.14E-02
1.58	21	97	8.50E-01
.	75	346	1.00E+00
.	1	6	8.53E-01
.	45	190	4.75E-01
2.22	4	7	5.25E-01
0.91	3	44	3.45E-01
.	7	29	9.24E-01
.	5	2	1.66E-02
.	9	37	7.73E-01
0.40	5	36	1.99E-01
.	1	6	6.33E-01
1.21	36	187	4.13E-01
.	77	368	5.18E-01
.	79	407	1.00E+00
.	2	4	7.80E-01
0.72	22	72	5.10E-01
.	1	7	2.10E-01
0.99	93	376	1.00E+00
.	1	7	8.02E-01
.	2	10	4.31E-01
0.80	24	114	9.67E-01
.	4	9	6.07E-01
.	2	6	1.16E-01
.	1	6	8.57E-01
0.76	8	20	8.38E-01
0.48	80	329	1.00E+00
0.22	4	30	6.13E-02
.	38	163	6.13E-01
.	8	15	1.61E-02
.	14	41	2.82E-01
2.40	4	22	9.64E-01
.	96	397	1.71E-01
.	6	22	8.93E-01
.	1	4	7.72E-01
0.40	36	187	4.55E-01
1.00	2	19	4.37E-01

.	0	7	4.53E-01
2.12	243	925	7.30E-01
.	3	15	1.33E-01
1.08	9	80	9.68E-02
.	19	106	3.37E-02
.	4	1	2.09E-01
.	6	16	5.05E-01
1.16	5	27	3.59E-01
.	45	196	9.90E-01
0.21	76	329	8.93E-01
.	1	21	9.57E-01
.	1	9	8.25E-01
.	11	41	5.81E-01
.	0	5	6.90E-01
0.71	16	89	7.48E-01
.	3	17	5.98E-01
1.06	4	28	2.29E-01
.	51	262	9.67E-01
.	35	175	2.19E-01
.	5	13	3.50E-01
.	8	22	2.68E-02
.	31	127	9.82E-01
3.78	18	94	3.58E-01
.	1	4	2.60E-01
.	2	4	8.57E-01
.	9	36	3.30E-01
.	3	4	2.17E-01
.	5	17	8.31E-01
.	7	43	9.57E-01
1.20	92	442	7.61E-01
0.53	131	502	1.68E-01
.	3	14	6.11E-01
.	30	93	4.83E-02
.	0	6	3.60E-01
.	11	42	4.49E-01
1.26	26	142	2.49E-01
0.21	14	74	4.29E-01
.	0	5	7.54E-01
1.10	8	17	5.98E-01
.	11	79	9.94E-01
10.29	10	32	8.73E-01

8.73	3	2	2.08E-02
3.25	6	39	4.05E-01
.	51	217	7.74E-01
2.69	25	96	3.88E-01
.	1	6	3.68E-01
0.67	9	52	4.01E-01
.	1	4	2.27E-01
.	5	41	6.34E-01
.	94	443	7.92E-01
.	2	24	5.53E-01
.	94	445	3.14E-01
.	1	10	1.37E-01
.	30	99	1.72E-01
.	8	4	2.38E-05
.	27	109	6.59E-01
.	1	5	7.55E-01
1.17	4	10	4.72E-01
.	0	6	8.15E-01
2.77	7	18	8.91E-01
.	212	986	9.63E-01
.	25	129	7.84E-01
.	58	314	3.96E-01
3.41	5	13	4.88E-01
.	4	7	1.05E-01
.	5	36	1.31E-01
.	39	171	8.99E-01
.	4	21	3.33E-01
.	2	4	3.66E-02
2.09	115	579	9.49E-01
0.58	2	22	5.33E-01
2.32	2	8	1.61E-01
.	4	15	8.66E-01
.	3	5	1.38E-01
1.35	14	51	7.91E-01
.	3	8	3.48E-01
1.15	2	12	4.28E-01
.	9	68	3.80E-01
.	3	11	3.84E-01
1.94	2	3	5.18E-02
.	3	2	1.27E-01
1.44	20	92	6.12E-01

.	3	17	6.77E-01
.	2	10	4.61E-01
.	5	16	5.77E-01
0.80	3	7	5.53E-01
0.93	68	310	1.00E+00
0.13	7	32	8.89E-01
3.05	2	7	5.68E-01
0.70	147	626	1.00E+00
2.08	2	23	8.86E-01
0.86	91	411	1.00E+00
.	4	6	9.49E-01
0.88	8	31	9.10E-01
1.01	2	15	9.23E-01
0.62	6	16	2.14E-01
0.52	0	8	4.31E-01
.	4	11	2.33E-01
1.37	7	29	9.38E-01
0.89	1	16	4.95E-01
1.02	22	92	7.09E-01
1.32	30	119	9.80E-01
0.67	26	114	1.00E+00
0.30	5	48	7.31E-01
0.75	14	80	9.62E-01
2.31	9	32	6.46E-01
1.77	27	118	3.61E-01
0.82	163	816	8.32E-01
0.94	55	268	9.39E-01
1.37	151	612	9.84E-01
0.93	10	55	6.89E-01
0.58	5	47	1.73E-01
0.16	16	108	5.15E-01
0.83	44	219	1.00E+00
1.25	9	39	2.31E-01
0.78	15	67	9.37E-01
1.34	6	22	9.50E-01
1.28	1	7	9.10E-01
0.33	2	19	7.23E-01
.	0	8	8.43E-01
4.61	4	4	3.16E-02
0.63	15	79	7.44E-01
0.89	1	5	3.00E-01

1.28	1	6	7.59E-01
8.09	78	407	9.16E-01
8.76	14	6	2.22E-03
1.09	15	101	7.38E-01
3.70	17	88	9.37E-01
1.34	1	7	8.16E-01
1.67	21	64	1.55E-01
4.01	8	16	7.92E-01
0.12	7	54	1.75E-01
0.77	10	58	2.85E-01
0.18	15	74	3.74E-01
1.00	2	10	4.63E-01
.	3	14	8.58E-01
.	2	13	6.82E-01
.	44	180	7.65E-01
0.86	5	51	1.37E-01
.	3	17	9.27E-01
1.03	16	86	9.98E-01
1.14	59	199	9.77E-02
.	31	132	7.47E-01
.	4	16	2.68E-01
1.83	13	49	8.41E-01
0.59	3	19	4.61E-01
.	2	7	7.65E-01
0.25	2	35	6.51E-01
2.61	6	33	6.70E-02
.	2	4	4.11E-01
.	2	17	6.69E-01
1.16	6	15	6.40E-01
.	2	4	2.27E-01
.	2	23	6.72E-01
.	6	31	3.30E-01
.	1	7	8.13E-01
3.89	6	20	7.66E-01
2.67	3	14	3.28E-01
1.71	62	280	1.31E-01
.	1	9	2.58E-01
.	1	5	1.04E-01
.	3	6	3.42E-02
.	4	15	5.15E-01
1.04	23	108	1.00E+00

3.09	31	111	2.70E-01
0.69	7	49	5.12E-01
0.53	6	43	5.06E-01
0.62	75	322	9.99E-01
3.07	10	15	2.48E-02
0.88	42	172	1.00E+00
1.87	12	40	2.05E-01
.	5	23	3.85E-01
2.12	2	9	9.39E-01
5.44	19	81	8.73E-01
0.92	19	94	3.44E-01
1.21	114	383	2.39E-02
2.11	18	105	3.09E-01
0.66	13	51	1.35E-01
1.62	87	333	8.72E-01
1.73	74	343	4.54E-01
0.45	54	229	9.98E-01
1.50	29	145	2.93E-01
2.48	16	73	7.54E-01
2.77	24	62	6.19E-01
0.16	6	46	7.15E-01
0.56	67	275	7.53E-01
0.80	38	174	9.80E-01
1.45	2	3	5.68E-01
0.92	2	13	6.13E-01
.	1	6	7.70E-01
1.08	72	378	7.72E-01
0.59	21	71	6.51E-01
0.80	47	156	3.85E-02
1.08	2	5	9.09E-01
.	16	75	9.71E-01
.	2	3	7.73E-02
.	21	118	3.89E-01
.	0	8	6.17E-01
1.90	8	35	9.31E-01
3.81	11	53	1.99E-01
1.26	126	574	9.79E-01
.	5	15	8.76E-01
.	7	23	2.81E-01
.	1	5	7.54E-01
0.57	63	258	9.86E-01

.	99	363	3.93E-01
1.05	40	143	8.64E-01
0.65	15	71	7.76E-01
0.46	4	17	4.31E-01
0.88	74	358	6.59E-01
1.22	2	11	9.30E-01
1.31	9	24	6.40E-01
2.08	26	89	4.46E-01
0.68	79	311	8.35E-01
.	4	26	8.65E-01
0.31	5	24	9.84E-01
.	2	5	6.70E-01
1.49	8	39	8.40E-01
.	9	25	1.22E-01
.	129	497	9.99E-01
2.10	10	45	4.30E-01
1.00	5	14	3.66E-01
1.15	59	201	4.09E-01
.	21	66	9.78E-01
0.82	72	280	9.99E-01
.	2	23	2.98E-01
.	50	230	7.52E-01
2.94	1	14	4.63E-01
0.56	7	40	8.10E-01
3.85	40	217	2.56E-01
0.51	0	11	8.08E-01
.	4	12	2.81E-01
0.80	45	209	1.00E+00
.	19	70	2.23E-01
1.70	21	103	8.65E-01
0.60	24	154	1.00E+00
4.92	11	16	3.67E-02
1.67	11	30	8.28E-01
.	24	92	9.01E-01
.	6	37	8.32E-01
.	23	134	9.05E-02
1.28	6	29	7.05E-01
2.12	6	14	5.46E-01
1.03	13	46	9.63E-01
.	9	44	6.18E-01
1.68	36	131	9.88E-01

1.04	102	384	8.21E-01
1.59	44	247	8.87E-01
.	48	250	9.11E-01
0.24	30	150	1.00E+00
2.10	9	15	2.57E-01
0.30	8	47	9.28E-01
0.51	16	64	8.87E-01
1.68	96	488	9.54E-01
0.37	4	37	2.22E-01
0.80	6	26	1.37E-01
0.14	125	599	7.81E-01
.	1	16	5.67E-01
.	3	4	4.75E-01
1.70	10	23	9.38E-01
2.62	9	71	3.29E-01
1.09	1	7	7.93E-01
0.47	86	276	2.60E-01
1.77	24	88	2.44E-01
0.44	2	17	5.94E-01
0.63	88	372	9.91E-01
.	26	84	8.51E-01
2.84	2	6	4.27E-01
2.09	24	103	9.69E-01
2.68	38	225	2.02E-01
1.67	110	541	2.54E-01
0.70	35	171	8.00E-01
.	2	15	8.01E-01
2.41	16	74	5.10E-01
0.54	8	45	7.00E-01
1.06	8	30	9.97E-01
0.60	6	24	4.75E-01
1.19	2	7	5.01E-01
1.28	7	35	8.56E-01
1.26	3	12	5.99E-01
0.80	27	105	9.95E-01
.	4	31	9.30E-01
.	22	97	6.68E-01
0.64	4	12	5.92E-02
0.52	11	39	9.99E-01
.	7	14	5.56E-01
0.86	7	34	4.92E-02

1.04	84	296	9.41E-01
0.68	3	16	4.11E-01
.	89	391	3.63E-01
.	14	55	3.84E-01
2.03	1	6	4.12E-01
.	17	43	4.99E-01
.	90	397	7.83E-01
.	2	7	8.72E-01
0.42	4	33	8.33E-01
.	6	30	6.14E-01
2.50	34	120	4.41E-01
1.06	16	94	6.17E-01
0.37	28	133	9.90E-01
.	3	9	1.68E-01
1.01	24	127	6.67E-01
0.14	0	12	2.52E-01
1.22	51	263	2.07E-01
1.17	24	77	9.16E-01
.	4	13	8.97E-03
1.37	220	866	7.48E-01
1.42	27	108	7.60E-01
1.54	58	340	3.04E-01
0.17	21	94	5.55E-01
.	2	12	7.04E-02
0.56	6	43	9.90E-01
.	75	321	1.00E+00
1.05	20	93	9.29E-01
0.62	4	34	8.45E-01
.	6	32	7.48E-01
0.56	97	409	9.56E-01
1.02	4	33	6.16E-01
0.72	18	122	7.75E-01
1.08	16	82	7.25E-01
1.50	16	65	9.33E-01
.	3	10	7.67E-01
.	2	3	2.97E-02
1.13	226	1127	9.80E-01
.	1	6	9.51E-01
0.37	13	78	9.92E-01
8.62	70	309	6.31E-01
0.92	86	298	3.89E-01

.	3	4	2.25E-01
.	136	648	9.43E-01
0.38	11	58	9.98E-01
0.64	81	330	9.85E-01
2.46	83	387	4.27E-01
1.61	45	171	3.77E-01
.	12	13	1.01E-01
3.35	6	13	1.45E-01
1.41	20	110	9.89E-01
.	3	10	8.44E-01
.	43	182	1.00E+00
0.27	77	366	1.00E+00
.	6	10	3.82E-01
.	5	14	3.77E-01
0.75	87	359	1.00E+00
0.38	5	16	4.94E-02
0.44	106	409	1.00E+00
.	21	107	8.17E-01
.	32	124	6.25E-01
1.04	4	14	6.85E-01
1.02	48	193	9.54E-01
.	65	175	1.48E-01
1.38	117	510	1.00E+00
.	109	442	9.99E-01
0.50	2	25	3.15E-01
0.59	71	341	5.08E-01
0.59	56	179	2.08E-01
.	49	178	8.27E-01
.	2	3	3.10E-02
.	2	20	8.88E-01
0.29	58	272	9.19E-01
0.45	9	33	9.39E-01
.	12	52	1.00E+00
0.21	19	100	8.74E-01
1.03	24	99	9.90E-01
.	13	61	8.35E-01
0.99	27	105	9.48E-01
.	19	93	6.76E-01
0.22	22	179	4.47E-01
.	23	98	7.82E-01
1.06	2	15	5.16E-01

1.12	25	155	8.85E-01
5.80	97	490	6.98E-01
1.59	117	478	5.84E-01
0.73	12	65	7.45E-01
.	110	524	9.19E-01
.	43	216	6.39E-01
1.46	189	814	9.36E-01
.	17	48	3.66E-01
.	4	18	8.39E-01
.	22	128	4.40E-01
.	12	64	3.71E-01
1.34	2	9	4.22E-01
.	5	21	9.40E-01
3.56	24	85	1.34E-01
1.96	9	22	3.10E-01
.	70	328	8.92E-01
4.29	23	56	7.42E-01
0.99	153	674	7.73E-01
0.59	19	97	4.03E-01
0.88	53	224	1.00E+00
0.31	5	18	7.62E-01
.	131	480	3.67E-01
.	3	6	8.82E-01
1.14	9	26	7.37E-01
10.64	20	89	4.69E-02
.	40	159	9.40E-01
0.65	51	253	5.53E-01
2.25	48	208	3.38E-01
2.37	20	77	2.87E-01
0.70	30	153	8.45E-01
.	17	73	8.75E-01
.	22	123	8.25E-01
1.25	5	22	7.70E-01
0.91	81	389	6.99E-01
1.59	9	22	3.27E-01
.	3	7	8.11E-01
.	4	16	2.31E-01
.	37	178	6.23E-01
3.07	121	588	1.00E+00
0.50	10	20	2.57E-02
0.32	51	213	9.19E-01

.	4	3	5.85E-02
.	44	232	9.11E-01
.	22	97	9.67E-01
.	47	168	3.53E-01
.	7	26	4.03E-01
.	19	51	3.34E-02
.	35	152	8.34E-01
.	25	124	9.57E-01
.	11	42	8.74E-01
.	61	232	9.12E-01
.	2	5	1.90E-01
.	2	7	3.12E-01
.	25	107	4.88E-01
2.03	4	5	3.41E-01
.	3	13	2.97E-01
.	1	6	3.38E-01
.	5	8	7.89E-02
.	6	14	4.45E-01
.	1	4	3.98E-01
1.20	2	14	7.55E-02
.	0	7	6.63E-01
.	1	6	7.18E-01
.	16	57	3.74E-01
2.14	2	8	1.91E-01
0.60	3	23	7.50E-01
.	1	9	8.04E-01
0.64	8	29	2.44E-01
.	5	9	9.05E-01
.	31	128	3.11E-01
.	4	10	5.44E-01
.	2	4	2.47E-01
.	11	53	5.74E-01
0.96	0	5	6.73E-01
.	1	8	9.46E-01
.	92	356	1.00E+00
2.07	6	18	1.75E-01
2.81	5	31	5.47E-02
.	4	10	1.42E-01
.	2	3	8.16E-01
.	49	206	8.80E-01
.	98	450	1.00E+00

3.26	7	20	1.01E-01
1.19	1	6	5.19E-01
0.75	1	12	5.76E-01
.	27	93	1.77E-01
.	5	3	4.89E-01
0.43	23	127	9.99E-01
.	1	5	8.07E-01
.	35	157	3.98E-01
.	2	14	4.05E-01
.	7	48	8.09E-01
.	97	391	3.74E-02
11.20	2	3	2.32E-02
0.80	10	64	2.10E-01
1.72	29	113	2.39E-01
.	10	70	9.29E-01
0.96	2	9	7.29E-01
1.10	67	208	1.38E-01
.	3	8	2.57E-01
.	27	76	9.23E-02
0.64	24	88	1.39E-01
1.27	16	49	2.44E-01
1.37	5	16	9.73E-01
1.91	4	9	6.18E-01
.	0	5	2.45E-01
0.39	138	698	4.69E-01
0.86	100	398	1.00E+00
.	3	2	9.17E-03
3.99	3	5	4.50E-01
.	6	31	4.48E-01
0.53	9	31	1.91E-01
3.09	90	357	6.91E-01
.	3	9	5.03E-01
.	1	6	1.02E-01
0.45	40	136	2.69E-01
0.92	59	248	5.18E-01
.	4	9	4.49E-01
1.87	35	151	9.29E-01
.	5	19	3.03E-01
.	0	5	6.92E-01
.	2	16	9.73E-01
.	5	19	5.45E-01

.	0	21	1.18E-01
.	33	130	6.27E-01
.	4	5	3.67E-01
1.03	231	904	9.58E-01
.	2	3	9.93E-03
1.29	53	231	9.99E-01
.	81	312	1.00E+00
0.11	29	142	4.67E-01
0.95	7	34	6.41E-01
0.97	2	5	8.15E-02
1.79	12	28	1.73E-01
0.48	35	176	9.99E-01
3.35	3	4	2.36E-02
.	12	46	5.86E-01
.	37	189	1.14E-01
.	2	8	4.12E-01
.	1	4	1.30E-01
.	2	3	6.73E-01
.	1	8	3.69E-01
7.15	24	118	7.88E-01
1.51	40	179	7.22E-01
.	4	22	9.15E-01
1.19	36	140	1.00E+00
.	29	109	9.91E-01
2.36	4	34	6.86E-02
1.09	32	89	3.61E-02
0.97	4	11	9.74E-01
0.34	1	18	1.90E-01
.	1	12	5.96E-01
.	4	25	5.28E-01
1.02	4	29	5.82E-01
0.93	4	25	9.49E-01
2.37	8	34	8.16E-01
0.96	16	78	6.88E-01
.	15	82	5.41E-01
.	3	13	6.36E-01
.	12	22	4.75E-01
.	0	12	4.41E-01
.	1	7	4.41E-01
1.07	1	16	5.35E-01
.	3	19	4.89E-01

0.55	19	83	5.66E-01
.	53	273	8.37E-02
1.24	3	13	4.06E-01
0.91	103	451	2.52E-01
.	45	250	3.19E-01
1.91	1	6	5.15E-01
.	64	263	9.78E-01
.	3	7	7.02E-01
.	4	13	3.21E-01
.	23	133	4.05E-01
0.94	4	21	7.31E-01
.	32	155	8.58E-01
.	6	11	3.43E-01
.	3	9	6.99E-01
.	1	4	4.61E-02
.	7	49	9.71E-03
1.30	2	7	7.04E-02
0.96	10	37	6.65E-01
0.67	9	40	9.59E-01
.	1	5	8.37E-01
.	2	12	6.12E-01
1.13	12	44	5.75E-01
.	0	5	5.87E-01
1.64	15	82	9.42E-01
.	1	7	1.38E-01
1.70	3	13	8.95E-01
0.64	18	95	8.37E-01
.	5	37	2.93E-01
.	5	12	7.53E-01
0.83	5	16	9.09E-01
.	34	142	5.33E-01
.	2	3	8.67E-01
2.53	1	6	3.93E-01
.	1	4	4.41E-01
.	2	21	2.94E-01
.	9	48	8.61E-01
1.18	11	36	5.50E-01
1.49	8	40	2.41E-01
0.70	36	114	6.69E-01
1.48	29	113	9.98E-01
0.71	1	16	8.04E-01

.	2	4	2.80E-01
0.93	1	14	6.17E-01
1.58	17	89	7.36E-01
1.13	5	13	9.62E-01
.	18	91	8.71E-01
0.61	5	36	8.58E-01
1.46	11	86	8.01E-01
.	0	10	3.15E-01
2.08	12	47	9.52E-01
.	2	13	5.34E-01
.	76	326	9.39E-01
0.70	4	29	8.66E-01
0.38	6	45	5.54E-01
3.39	5	20	3.94E-01
1.97	40	121	8.01E-01
0.53	31	157	7.63E-01
1.31	25	134	5.37E-01
1.30	27	151	8.91E-01
1.00	53	188	3.92E-01
1.29	4	31	7.40E-01
0.63	8	21	3.72E-01
0.30	28	114	2.73E-01
.	79	336	8.16E-01
0.15	3	10	1.00E-01
0.35	4	34	4.77E-01
0.82	218	923	1.00E+00
1.17	44	221	8.28E-01
0.31	79	362	7.65E-01
1.14	106	426	9.91E-01
2.27	44	208	6.38E-01
0.39	7	52	7.47E-01
0.39	4	11	7.00E-01
0.71	7	31	9.41E-01
1.82	13	39	6.63E-01
1.48	8	25	6.59E-01
0.88	50	208	4.14E-01
0.99	138	614	1.00E+00
1.87	102	351	1.36E-01
2.07	16	38	3.06E-01
0.90	37	189	1.36E-01
0.80	1	7	9.64E-01

.	1	6	7.87E-01
.	2	4	4.15E-01
0.04	11	57	6.64E-01
0.68	5	18	8.57E-01
1.40	2	20	9.71E-01
1.39	4	23	3.54E-01
1.52	24	70	2.57E-01
1.97	5	5	5.88E-01
1.55	26	99	9.72E-01
2.03	7	15	4.98E-01
3.10	12	38	1.52E-01
2.04	5	16	2.02E-01
2.58	5	16	3.51E-01
.	2	6	4.98E-01
0.25	0	7	7.06E-01
0.47	4	32	3.20E-01
0.46	76	344	9.28E-01
0.80	3	11	6.52E-02
.	3	26	4.89E-01
.	27	101	6.70E-01
.	1	4	5.35E-01
1.58	61	225	7.80E-01
0.33	75	279	7.19E-01
2.32	14	51	9.34E-01
1.47	16	74	9.59E-01
3.17	3	7	6.86E-01
0.47	5	43	2.22E-01
.	2	7	8.07E-01
.	28	131	4.56E-01
.	3	7	1.13E-01
.	2	5	5.23E-01
.	29	175	8.49E-02
1.78	1	5	1.86E-01
1.38	17	71	6.02E-01
.	43	214	7.69E-01
0.39	2	8	5.15E-01
.	0	8	7.51E-01
.	0	5	6.44E-01
5.77	41	186	1.06E-01
.	3	3	4.24E-02
0.94	14	59	1.46E-01

0.84	5	15	2.45E-02
1.24	13	48	9.83E-01
2.38	3	5	5.38E-01
0.69	10	33	5.27E-01
.	38	123	7.76E-01
.	25	98	9.90E-01
.	6	24	4.67E-01
.	45	227	7.98E-01
.	1	13	1.59E-01
.	11	97	1.33E-01
.	37	171	1.00E+00
.	4	18	9.42E-02
.	7	19	6.99E-01
0.41	1	6	4.02E-01
.	8	43	9.59E-01
.	2	6	4.37E-01
0.70	113	498	4.28E-01
1.08	13	60	9.76E-01
1.71	42	162	1.00E+00
9.33	9	27	7.78E-01
1.05	6	16	9.87E-01
0.99	7	29	9.03E-01
1.77	6	27	3.53E-01
1.48	2	15	6.02E-01
1.02	7	31	2.33E-01
0.32	5	40	8.86E-01
1.66	28	81	1.15E-02
.	2	9	2.44E-01
.	1	12	8.68E-01
0.62	2	8	8.08E-01
0.76	161	782	1.00E+00
1.11	213	901	9.53E-01
1.37	58	221	9.87E-01
0.99	30	167	4.26E-01
0.62	22	84	1.04E-01
.	1	10	8.35E-01
.	1	8	7.46E-01
.	11	49	2.35E-01
.	80	343	8.03E-01
0.71	26	116	9.02E-01
1.54	492	2258	8.93E-01

.	5	7	1.63E-02
0.42	11	69	8.83E-01
.	0	12	3.86E-01
.	0	11	7.18E-01
.	3	4	2.85E-01
.	37	153	1.00E+00
1.12	10	35	4.11E-01
.	6	26	7.91E-01
1.14	43	201	7.00E-01
.	5	18	6.02E-01
1.12	77	352	9.41E-01
1.64	14	39	4.60E-01
0.83	8	37	1.87E-01
0.66	44	170	6.97E-01
.	173	669	9.87E-01
1.23	149	595	8.91E-01
0.98	133	549	1.00E+00
1.10	63	211	8.56E-01
0.83	20	103	9.91E-01
0.71	47	183	1.00E+00
0.90	11	52	9.99E-01
1.16	19	79	9.16E-01
0.81	144	625	6.06E-01
0.06	61	253	1.00E+00
1.17	78	301	9.96E-01
1.75	117	443	6.99E-01
0.87	119	555	9.79E-01
0.81	188	733	5.47E-01
5.07	5	21	4.71E-01
0.55	7	23	7.31E-01
.	18	40	9.34E-01
.	2	11	5.69E-01
0.35	18	110	5.23E-01
3.90	23	146	1.97E-01
2.75	33	118	8.96E-01
.	27	117	9.12E-01
0.49	4	18	2.74E-01
1.08	12	35	3.73E-01
0.66	68	263	1.58E-01
.	8	20	3.53E-01
1.88	67	286	1.00E+00

0.44	13	74	7.73E-01
1.58	11	39	7.77E-01
0.99	9	30	7.44E-01
.	6	57	1.90E-01
.	18	133	6.80E-02
1.04	24	86	7.64E-01
.	43	179	7.88E-01
2.35	9	25	1.26E-01
0.75	2	13	9.58E-01
0.80	6	33	7.01E-01
0.34	59	246	8.66E-01
0.72	15	86	9.26E-01
1.62	7	48	4.59E-01
0.61	16	67	6.33E-01
1.75	41	161	3.76E-01
1.15	4	13	3.78E-01
0.08	44	198	9.43E-01
2.34	5	9	7.91E-01
1.66	13	53	1.00E+00
0.41	75	345	9.29E-01
0.47	34	86	8.74E-01
.	2	10	5.96E-01
1.18	4	25	9.82E-01
.	2	8	5.63E-01
3.06	110	390	9.95E-01
.	33	117	5.11E-01
.	53	223	2.24E-01
0.87	82	366	9.74E-01
0.65	61	345	7.81E-01
1.21	76	364	1.00E+00
1.07	229	1075	9.95E-01
0.92	21	76	9.99E-01
.	10	41	9.29E-01
.	15	65	9.97E-01
0.78	54	251	8.91E-01
1.26	41	148	4.27E-01
0.45	26	119	1.00E+00
0.41	67	269	1.00E+00
2.56	10	34	3.54E-01
0.57	15	54	9.93E-02
.	9	33	2.97E-01

0.87	17	116	7.15E-01
.	60	318	7.00E-01
.	36	134	2.39E-01
.	4	3	5.47E-01
0.78	38	156	4.94E-01
0.41	31	99	4.45E-01
2.22	5	14	2.61E-01
.	3	2	2.07E-02
1.05	49	194	6.82E-01
1.06	19	61	2.22E-01
.	1	6	6.13E-01
0.84	87	457	8.71E-01
0.74	68	300	1.00E+00
1.40	24	116	6.63E-01
0.72	3	19	7.18E-01
.	27	122	9.87E-01
2.33	26	106	6.00E-01
.	51	168	4.91E-01
0.80	5	27	9.41E-01
0.44	6	34	8.78E-01
0.35	3	28	5.99E-01
1.13	19	117	3.33E-02
0.62	73	376	5.81E-01
.	33	144	2.29E-01
1.12	112	469	1.00E+00
.	3	3	2.75E-01
0.13	0	21	4.67E-01
.	3	3	8.27E-03
2.06	21	100	3.98E-01
0.57	12	87	9.40E-01
0.49	21	108	6.93E-01
1.54	35	114	7.65E-01
0.49	2	11	5.19E-01
0.85	13	52	4.67E-01
0.75	89	481	1.08E-01
1.00	36	177	9.99E-01
1.16	13	53	5.84E-01
1.85	98	392	1.00E+00
0.67	14	74	2.66E-01
6.59	2	6	6.77E-02
0.30	10	39	7.96E-01

2.40	2	20	5.85E-01
0.61	5	23	1.22E-01
.	31	128	9.94E-01
.	44	183	7.38E-01
0.24	6	40	5.19E-01
.	14	76	6.74E-01
0.64	4	31	7.89E-01
.	0	6	1.27E-01
.	77	319	9.99E-01
0.97	16	75	1.00E+00
.	1	5	2.08E-01
0.65	4	24	2.88E-01
1.35	52	212	8.62E-01
1.75	28	90	2.64E-01
1.05	21	44	2.67E-02
.	1	4	7.22E-01
2.82	3	6	4.19E-01
0.82	16	84	9.51E-01
0.52	52	262	5.36E-01
.	1	4	2.33E-01
.	2	7	9.04E-01
1.85	1	6	5.12E-01
0.25	47	214	9.98E-01
.	0	7	8.05E-01
0.65	10	30	8.28E-01
0.71	35	148	5.18E-01
0.57	77	413	3.24E-01
3.56	7	21	1.00E+00
.	41	207	5.23E-01
1.29	47	192	9.92E-01
0.55	11	75	4.93E-01
.	1	4	3.45E-01
.	3	9	4.29E-01
0.52	13	64	9.63E-01
.	1	8	5.19E-01
3.64	5	27	7.19E-01
0.58	3	18	7.51E-01
2.31	69	249	5.87E-01
0.63	8	30	9.01E-01
0.61	2	23	1.77E-01
0.56	3	25	8.77E-01

1.87	19	47	9.56E-01
0.60	2	24	9.84E-01
3.15	6	12	9.30E-02
0.73	2	12	8.95E-01
0.85	2	12	4.64E-02
1.00	8	23	9.80E-01
1.46	37	167	1.00E+00
0.57	14	64	4.66E-01
0.99	18	62	5.17E-01
0.60	37	158	1.00E+00
.	15	92	6.20E-01
.	6	17	9.92E-01
1.38	4	32	5.92E-01
1.37	101	383	9.82E-01
0.51	1	9	5.68E-01
1.22	1	6	8.52E-01
.	0	5	6.64E-01
0.92	6	17	8.59E-01
2.56	4	19	1.62E-01
1.34	19	96	9.99E-01
0.34	4	30	5.18E-01
4.01	57	236	5.28E-01
1.18	7	42	6.31E-01
0.99	17	115	6.10E-01
1.62	14	57	7.61E-01
1.50	10	34	7.47E-01
1.24	57	233	8.59E-01
.	2	5	3.48E-02
.	3	22	5.78E-01
0.88	2	29	6.57E-01
1.97	4	16	8.87E-01
.	3	21	6.26E-01
0.46	0	6	8.65E-01
.	3	3	4.67E-02
1.25	6	34	7.51E-01
1.51	6	30	6.83E-01
1.76	11	15	8.74E-01
1.52	5	18	9.37E-01
1.38	29	174	2.12E-02
0.37	154	745	9.98E-01
2.57	38	102	7.17E-01

2.13	10	21	8.05E-02
1.97	30	152	7.52E-01
.	5	20	4.40E-01
.	2	8	6.52E-01
2.56	1	6	5.36E-01
.	2	7	1.12E-01
1.53	68	294	7.11E-01
0.95	12	64	3.36E-01
0.49	24	114	6.71E-02
.	203	845	1.00E+00
0.44	4	28	3.45E-01
1.73	9	21	7.31E-01
1.61	25	107	3.18E-01
4.19	4	11	4.24E-02
0.06	6	44	5.89E-01
.	13	73	8.37E-01
.	3	8	1.85E-01
.	3	32	7.34E-02
0.61	24	107	1.40E-01
0.88	149	592	9.21E-01
10.70	32	135	9.34E-01
1.37	54	223	9.93E-01
9.10	8	50	2.48E-01
0.74	29	140	8.40E-01
1.64	61	327	9.96E-01
1.67	5	25	8.65E-01
1.31	8	33	1.61E-01
1.32	8	19	6.75E-01
0.68	265	1221	9.31E-01
0.63	49	286	9.96E-01
2.34	3	9	5.48E-01
1.63	2	8	3.96E-01
.	5	15	4.51E-01
1.12	2	11	2.83E-01
0.68	1	5	4.18E-01
0.09	1	19	7.59E-01
6.57	77	393	7.22E-01
1.55	10	43	9.65E-01
2.29	53	228	6.85E-01
0.54	8	64	9.99E-01
1.06	6	40	5.14E-01

1.57	1	7	8.54E-01
0.70	9	58	7.19E-01
0.08	0	8	4.37E-01
1.05	2	10	5.64E-01
1.00	3	17	9.35E-01
6.16	6	4	7.96E-03
1.34	7	27	9.14E-01
1.15	4	29	3.21E-01
1.46	50	228	5.12E-01
0.19	1	17	1.36E-01
.	1	4	5.43E-01
.	2	17	2.80E-01
1.70	30	132	3.41E-01
.	8	83	4.40E-02
.	5	17	4.72E-01
.	19	85	9.89E-01
.	5	10	7.21E-01
.	6	19	5.59E-01
.	11	66	9.65E-01
0.85	1	8	8.37E-01
.	0	6	7.05E-01
.	1	4	4.58E-01
1.40	17	85	8.65E-01
.	8	19	5.42E-01
2.28	12	37	5.94E-01
.	4	3	5.98E-01
.	7	41	9.45E-01
.	70	323	9.97E-01
.	1	5	4.64E-01
.	63	312	3.08E-01
2.22	112	433	8.98E-01
.	55	205	2.41E-01
0.75	18	74	8.86E-01
0.99	30	170	9.91E-01
1.11	4	21	3.53E-01
.	8	29	8.44E-01
1.39	132	588	8.80E-01
4.57	29	83	3.46E-01
2.95	2	5	3.43E-01
0.42	8	42	6.43E-01
0.41	1	12	8.73E-01

.	4	21	4.41E-01
6.41	4	9	3.45E-01
1.32	11	58	2.12E-01
.	22	118	3.57E-01
1.50	15	52	9.28E-01
0.39	1	17	7.30E-01
0.63	25	148	5.93E-01
1.14	17	91	6.19E-01
0.29	1	18	3.72E-01
0.79	3	14	8.06E-01
0.42	61	241	5.11E-01
1.35	34	201	7.00E-01
.	5	21	4.92E-01
1.21	12	56	8.97E-01
.	4	3	1.29E-01
.	14	53	6.36E-01
.	6	13	2.71E-01
.	14	69	9.58E-01
2.22	4	20	5.33E-01
1.08	47	216	9.33E-01
0.31	7	32	2.58E-01
0.86	1	13	8.47E-01
1.02	4	14	3.87E-01
.	141	539	2.81E-01
0.60	116	534	1.00E+00
0.97	31	138	8.46E-01
0.81	50	263	8.55E-01
1.69	75	331	7.61E-01
2.42	13	7	3.22E-03
.	2	12	3.60E-01
1.40	274	1106	3.03E-01
.	11	35	5.90E-01
2.83	12	32	3.61E-01
1.78	8	29	2.73E-01
0.17	4	20	4.54E-01
.	8	37	6.75E-01
1.07	6	23	9.58E-01
.	2	12	5.61E-01
0.91	20	110	1.94E-01
.	0	9	3.15E-01
.	1	7	8.25E-01

.	2	5	8.83E-01
0.71	30	117	9.44E-01
.	43	186	5.88E-01
0.60	11	39	7.04E-01
.	17	90	4.62E-01
.	1	7	4.12E-01
.	4	10	7.43E-01
.	1	6	8.57E-01
.	10	34	1.14E-01
2.33	13	55	9.59E-01
.	45	157	3.25E-01
.	0	9	8.16E-02
.	3	7	5.55E-02
.	4	20	1.00E+00
0.73	219	990	8.56E-01
0.77	26	121	1.58E-01
0.42	61	219	1.00E+00
.	3	5	2.49E-01
3.06	13	62	9.55E-02
.	1	12	5.71E-01
1.78	29	91	4.11E-02
0.72	23	98	1.00E+00
1.22	68	248	7.08E-01
0.85	112	504	7.88E-01
1.09	162	711	7.13E-01
.	0	6	4.47E-01
1.27	6	28	9.49E-01
0.25	4	57	1.92E-01
3.01	11	22	8.57E-01
.	0	9	5.04E-01
.	12	41	9.66E-01
1.84	3	17	1.02E-01
1.25	7	32	9.97E-01
1.73	3	11	4.23E-01
0.57	22	112	9.86E-01
0.43	19	104	6.30E-01
.	1	6	2.01E-01
.	1	4	1.56E-01
1.84	4	7	5.03E-01
.	106	475	8.60E-01
.	4	23	1.90E-01

.	1	4	1.27E-01
.	30	139	7.48E-01
3.41	4	4	2.18E-01
.	1	10	4.44E-01
0.76	1	8	8.67E-01
.	2	7	4.18E-01
.	94	411	4.30E-01
.	24	90	1.00E+00
1.80	8	31	6.49E-02
.	13	76	1.07E-01
0.47	5	28	8.57E-02
.	0	6	8.12E-01
0.37	111	505	1.00E+00
1.13	4	17	5.86E-01
1.51	66	336	2.70E-01
1.50	120	439	4.52E-01
1.91	10	43	7.01E-01
1.43	88	394	1.00E+00
1.43	25	106	2.39E-01
1.16	7	23	3.79E-02
0.79	13	63	5.00E-01
0.46	59	241	9.57E-01
3.45	25	77	1.18E-02
1.74	62	258	9.97E-01
0.19	39	179	9.97E-01
1.23	4	10	3.88E-02
.	2	11	8.46E-01
.	2	10	9.18E-02
.	3	17	7.80E-01
2.73	7	21	2.78E-02
1.07	94	343	8.71E-01
2.59	58	239	9.32E-01
1.86	9	26	1.87E-01
1.32	110	505	8.56E-01
.	57	210	2.06E-01
5.42	4	18	3.29E-01
1.43	13	63	5.44E-01
1.13	81	336	9.45E-01
0.52	42	204	4.89E-01
3.01	43	162	9.29E-01
6.57	3	14	1.76E-01

.	6	18	4.46E-01
1.34	19	72	5.51E-01
1.25	152	648	9.99E-01
0.77	78	377	8.57E-01
0.74	18	68	9.72E-01
0.68	47	215	1.00E+00
1.25	112	494	1.00E+00
0.73	55	266	3.74E-01
1.09	34	153	9.08E-01
1.49	153	603	9.19E-01
1.48	15	49	4.29E-01
1.58	15	39	4.81E-01
0.93	8	35	5.54E-01
1.11	151	581	5.97E-01
0.60	81	360	9.10E-01
1.10	94	423	1.00E+00
0.90	56	247	4.60E-01
1.88	62	235	5.12E-01
0.77	4	19	6.18E-01
1.03	20	89	4.06E-01
1.18	103	449	8.01E-01
0.37	121	537	1.00E+00
1.33	9	43	9.06E-02
1.67	11	30	9.94E-01
0.98	66	296	9.32E-01
1.52	190	913	6.44E-02
3.71	15	68	3.99E-01
0.85	45	245	8.41E-01
1.25	105	416	8.94E-01
0.79	124	570	2.36E-01
1.89	46	173	9.97E-01
1.61	70	309	9.78E-01
1.29	58	284	7.28E-01
1.03	221	843	8.94E-01
0.69	93	461	1.00E+00
0.97	173	797	4.64E-01
1.31	102	405	9.26E-01
0.96	4	17	7.24E-01
1.14	9	32	9.61E-01
1.12	25	129	8.19E-01
1.42	8	32	5.55E-01

1.23	132	565	1.00E+00
.	4	10	3.77E-02
0.73	2	15	9.03E-01
0.83	46	143	6.09E-01
0.85	96	411	6.82E-01
1.45	6	23	7.28E-01
2.12	18	34	4.50E-01
2.04	4	15	4.23E-01
.	13	78	1.52E-01
.	59	210	4.28E-01
.	2	10	2.67E-01
0.65	18	66	1.00E+00
.	5	37	3.59E-01
.	3	2	1.04E-03
.	10	35	1.25E-01
.	2	5	7.65E-01
0.39	41	180	9.17E-01
7.59	4	10	1.38E-01
0.14	1	6	3.80E-01
1.95	8	26	3.40E-01
0.39	5	17	1.00E+00
15.71	6	7	1.71E-01
0.46	2	15	9.35E-01
.	92	371	1.00E+00
0.37	1	10	3.72E-01
.	18	63	5.03E-01
.	2	6	7.84E-01
.	4	20	7.17E-01
.	3	14	4.07E-01
.	1	6	1.12E-01
0.39	2	19	4.70E-01
.	9	33	2.82E-01
0.64	81	323	8.92E-01
3.68	2	7	3.52E-01
1.07	32	189	3.64E-01
.	2	12	5.04E-01
0.20	6	36	3.22E-01
1.18	10	57	9.71E-01
0.66	4	27	5.03E-01
0.98	6	20	7.74E-01
0.48	11	36	2.17E-01

1.99	7	22	3.00E-01
0.66	2	20	6.69E-01
1.21	35	141	4.25E-01
0.33	1	8	7.23E-01
.	13	66	9.74E-01
1.02	1	10	8.19E-01
1.56	11	46	7.74E-01
.	17	86	9.99E-01
0.15	74	302	1.00E+00
1.49	4	19	9.33E-01
0.35	2	16	2.40E-01
.	2	10	7.07E-01
0.97	2	5	6.24E-01
0.99	9	38	8.01E-01
1.10	37	157	9.45E-01
1.76	3	13	4.78E-01
.	15	80	8.28E-01
1.06	5	23	5.46E-01
1.03	46	150	8.01E-01
1.47	83	343	8.67E-01
0.62	148	716	9.23E-01
3.43	25	94	5.63E-01
.	1	9	1.89E-01
2.18	8	55	6.67E-01
0.54	7	36	1.26E-01
.	12	64	6.48E-01
0.28	1	11	4.54E-01
.	5	22	3.29E-01
0.73	2	10	4.54E-01
1.36	99	406	9.67E-01
.	4	9	1.32E-01
0.54	18	81	5.39E-01
0.48	48	193	1.00E+00
1.52	5	35	5.04E-01
2.12	104	390	1.00E+00
1.42	0	11	7.39E-01
0.60	5	47	1.33E-01
2.71	3	10	6.26E-01
0.46	7	31	4.20E-01
.	1	7	2.35E-01
0.50	53	266	6.04E-01

0.54	1	8	6.06E-01
.	36	207	3.57E-01
3.44	20	55	5.60E-02
1.24	10	32	8.77E-01
4.44	9	79	5.72E-01
1.38	31	150	8.91E-01
3.22	30	92	2.59E-01
0.35	1	12	5.51E-01
.	9	36	9.39E-01
1.56	4	14	4.02E-01
.	3	9	1.21E-01
.	0	6	6.18E-01
1.12	62	332	2.60E-01
1.38	6	30	8.02E-01
1.00	14	61	8.30E-01
0.63	5	27	1.25E-02
.	3	17	9.65E-01
0.23	57	205	6.55E-01
0.60	10	41	6.94E-01
0.88	12	59	6.98E-01
1.34	48	260	9.21E-01
1.17	88	385	8.38E-01
.	42	209	9.51E-01
0.86	75	341	8.75E-01
1.82	2	9	9.36E-01
1.36	47	186	6.24E-01
.	2	10	4.94E-01
5.65	23	117	3.43E-01
.	44	200	4.34E-01
0.25	6	57	9.50E-01
1.36	17	65	7.84E-01
0.52	30	142	4.53E-01
.	0	5	6.87E-01
2.01	4	33	8.40E-02
.	1	4	6.51E-01
.	4	3	2.68E-01
2.31	13	35	7.11E-01
.	4	7	2.42E-01
.	1	6	8.55E-01
0.87	10	33	8.72E-01
1.28	10	23	9.55E-01

1.78	3	16	8.00E-01
0.78	35	143	5.59E-01
.	3	7	1.68E-01
0.22	0	8	1.67E-01
1.04	3	9	6.38E-01
0.56	5	25	9.71E-01
0.34	303	1569	4.59E-01
0.26	2	7	4.33E-01
.	2	8	5.82E-01
0.39	22	109	9.60E-01
1.11	7	43	2.23E-01
2.25	11	46	1.61E-01
.	8	10	2.64E-01
.	19	98	1.03E-01
.	2	12	6.21E-01
1.40	12	72	6.02E-01
0.44	53	280	1.00E+00
1.17	4	20	8.03E-01
.	4	7	7.30E-01
.	3	5	5.93E-01
.	21	77	7.81E-01
0.11	60	291	2.15E-01
.	7	27	7.82E-01
0.68	192	1010	9.73E-01
0.43	72	302	9.77E-01
.	1	7	4.34E-01
0.59	43	190	9.95E-01
.	21	110	8.16E-01
1.24	1	5	2.95E-01
.	80	362	4.60E-01
0.54	2	21	8.84E-01
0.53	6	24	8.48E-02
2.26	7	17	1.30E-01
.	2	12	4.02E-01
.	4	3	9.67E-03
0.66	1	10	9.17E-01
2.33	31	135	4.73E-01
3.21	2	6	9.40E-02
.	25	80	3.71E-02
2.54	5	22	1.27E-01
0.88	63	283	9.93E-01

5.13	25	103	6.31E-01
0.88	5	39	9.75E-01
3.42	2	3	7.71E-01
.	2	14	1.72E-01
0.43	1	21	4.10E-01
2.57	3	7	2.57E-01
.	0	8	5.27E-01
.	0	6	1.47E-01
2.84	9	19	4.72E-01
.	30	130	9.99E-01
1.78	11	46	6.13E-01
.	1	12	7.59E-01
1.29	3	27	2.95E-01
0.13	12	59	9.03E-01
1.41	21	115	4.36E-01
0.99	96	441	1.00E+00
.	0	6	6.47E-01
1.94	62	270	1.00E+00
3.30	15	44	4.01E-02
.	1	7	7.82E-01
1.41	6	16	6.72E-01
0.58	0	5	3.55E-01
.	1	5	1.34E-01
1.02	48	235	1.00E+00
1.09	32	164	8.34E-01
1.11	49	204	3.59E-01
.	1	6	8.32E-01
.	3	5	7.00E-02
.	2	12	9.77E-01
.	89	360	8.84E-01
.	4	5	9.21E-02
2.34	2	3	2.24E-01
2.15	11	45	4.22E-01
0.86	22	84	8.31E-01
2.46	5	8	1.35E-01
1.33	53	218	1.00E+00
.	7	37	8.26E-01
.	1	9	1.07E-01
.	22	149	2.29E-01
.	2	6	8.40E-01
0.05	45	239	9.98E-01

0.71	3	11	6.69E-01
.	0	22	8.25E-02
.	2	6	1.93E-02
.	42	202	4.25E-01
.	3	18	9.27E-01
.	0	6	6.30E-01
.	3	5	6.19E-01
1.04	19	39	8.33E-01
.	7	48	8.97E-01
.	3	2	2.82E-02
.	2	8	9.03E-01
.	2	11	7.61E-02
3.36	94	395	9.38E-01
1.02	50	250	1.00E+00
2.29	20	73	4.21E-01
1.20	22	138	9.51E-01
.	2	33	2.13E-01
.	92	379	3.05E-01
1.36	43	168	3.48E-01
.	4	9	8.52E-01
.	1	4	7.58E-01
.	0	7	6.85E-01
0.21	10	45	9.83E-01
2.93	3	6	2.78E-01
.	35	167	3.14E-01
.	2	4	3.11E-01
.	9	13	1.66E-01
.	2	8	3.65E-01
0.11	36	141	4.91E-01
1.33	6	20	3.96E-01
.	2	9	5.95E-01
0.22	2	6	1.06E-01
.	1	9	1.98E-01
0.77	4	41	5.19E-01
1.57	2	12	6.73E-02
0.38	4	26	3.97E-01
2.22	9	24	8.48E-02
0.34	0	6	8.21E-01
2.39	3	12	7.57E-01
7.04	4	19	9.60E-02
0.91	2	10	4.92E-01

1.62	6	36	1.86E-01
1.19	11	38	7.31E-01
3.13	42	154	2.96E-01
0.55	87	353	9.74E-01
.	20	97	2.59E-01
1.00	4	25	2.24E-01
3.46	50	241	9.99E-01
2.13	22	99	8.02E-01
.	0	5	6.51E-01
.	3	3	1.32E-01
1.01	66	326	7.92E-01
.	1	4	7.41E-01
1.65	15	46	1.36E-01
1.34	8	35	2.75E-01
1.20	5	31	5.15E-01
4.11	67	215	9.99E-03
.	6	24	5.69E-01
1.33	30	65	1.23E-01
.	3	14	2.51E-01
.	16	68	9.32E-01
0.21	133	842	3.67E-02
.	3	8	2.83E-01
1.37	6	19	6.59E-01
1.62	8	28	1.06E-01
2.21	1	9	4.30E-01
1.21	8	43	7.25E-01
.	1	4	3.18E-01
0.97	26	165	4.31E-01
1.71	87	427	7.74E-01
1.86	4	13	4.20E-01
1.02	75	220	1.70E-01
1.73	32	175	1.00E+00
2.32	11	38	4.06E-02
.	39	203	3.41E-02
.	3	13	8.04E-01
3.57	2	10	8.28E-01
1.50	85	317	9.31E-01
0.67	56	191	2.31E-01
0.17	24	104	8.35E-01
0.76	8	46	5.54E-01
1.28	17	62	6.80E-01

0.77	7	61	7.49E-01
3.07	2	6	5.07E-01
.	4	7	4.07E-01
.	16	43	4.97E-01
.	0	5	8.40E-01
2.36	5	19	2.31E-01
0.53	1	8	4.81E-01
.	3	4	4.06E-02
5.77	60	308	6.66E-01
.	2	9	5.34E-01
.	2	7	3.18E-01
.	6	11	5.71E-01
.	1	7	4.97E-01
.	2	3	8.34E-01
2.06	1	4	8.09E-01
.	1	7	2.90E-02
0.35	4	15	3.54E-01
.	4	2	2.29E-01
1.85	2	5	7.22E-01
2.23	10	34	1.99E-01
0.53	15	86	6.93E-01
0.65	1	6	8.82E-01
1.39	103	380	4.21E-01
0.86	3	17	6.27E-01
0.34	2	30	8.37E-01
3.76	60	216	7.56E-01
.	5	30	3.66E-01
0.43	2	26	4.19E-01
0.73	26	101	9.96E-01
.	4	38	1.31E-01
0.92	2	4	8.06E-01
4.66	32	104	3.34E-01
.	53	345	5.32E-01
.	1	4	2.34E-01
0.93	12	58	3.08E-01
0.35	19	92	9.85E-01
0.61	9	46	9.87E-01
0.97	3	10	8.73E-01
0.91	62	269	9.65E-01
1.14	102	400	7.12E-01
1.16	11	35	7.78E-01

1.83	24	66	1.39E-01
0.23	8	43	3.96E-01
1.16	23	66	8.10E-01
0.58	7	32	9.40E-01
0.95	1	16	3.30E-01
0.68	6	34	4.90E-01
0.69	8	17	9.89E-01
0.42	5	17	1.92E-01
.	7	21	3.48E-01
0.13	11	30	1.17E-01
.	49	225	5.64E-01
2.25	71	250	7.73E-01
1.12	10	74	7.79E-01
.	54	213	8.19E-01
.	7	9	3.34E-02
2.31	4	17	7.13E-01
0.37	29	130	9.35E-01
1.35	144	566	9.45E-01
1.58	4	17	6.25E-01
0.44	3	15	7.76E-01
2.43	33	133	5.19E-01
0.58	7	36	5.72E-01
0.84	64	294	4.18E-01
0.33	41	201	4.91E-01
0.81	1	8	8.70E-01
0.49	73	311	6.82E-01
.	5	26	7.08E-01
.	4	34	6.55E-01
0.91	2	12	2.88E-01
.	54	198	8.44E-01
0.36	21	103	2.06E-01
0.50	8	42	4.49E-01
0.87	10	31	9.99E-01
.	0	12	5.88E-01
1.64	7	19	3.19E-01
0.88	3	26	3.02E-01
0.77	10	46	6.42E-01
0.75	3	21	5.85E-01
.	7	47	5.68E-01
1.43	13	51	4.49E-01
2.18	32	183	6.18E-02

0.58	15	33	3.55E-01
0.77	11	56	9.56E-01
0.75	50	213	9.23E-01
.	15	75	8.07E-01
.	1	6	3.18E-01
.	2	7	6.77E-01
1.51	2	6	6.60E-01
0.71	2	13	4.71E-01
.	5	10	3.53E-01
.	32	172	4.97E-01
0.73	4	18	4.84E-01
0.80	14	58	6.13E-01
0.63	4	20	5.52E-01
0.68	31	149	9.21E-01
.	33	98	4.60E-01
1.48	26	95	5.31E-01
0.38	4	45	6.06E-01
.	3	12	5.67E-01
1.48	62	238	9.55E-01
1.31	27	99	7.05E-01
.	1	4	4.11E-01
1.59	29	101	2.31E-01
.	2	26	2.53E-01
1.52	36	208	1.63E-01
1.65	5	16	8.68E-01
.	13	72	9.45E-01
1.94	8	20	1.00E-01
.	7	5	6.70E-03
.	2	9	7.67E-01
.	10	74	7.40E-02
1.48	19	81	9.82E-01
1.18	16	55	1.00E+00
0.62	1	15	9.12E-01
1.39	8	31	8.15E-01
1.25	7	26	7.26E-01
1.37	7	25	3.53E-01
0.84	7	34	8.48E-01
.	0	5	1.81E-01
.	0	6	4.42E-01
.	37	195	6.83E-01
0.88	20	91	8.99E-01

0.82	198	952	1.00E+00
.	7	14	6.64E-01
0.43	18	76	3.98E-02
0.38	3	40	9.95E-02
1.16	21	91	1.00E+00
1.96	15	55	9.99E-01
0.92	4	41	2.79E-01
0.83	13	53	9.97E-01
0.56	2	7	5.41E-01
.	4	30	7.66E-01
.	1	7	8.60E-01
1.07	10	68	5.37E-01
.	2	11	3.36E-01
0.68	25	115	9.97E-01
1.41	91	454	1.00E+00
.	8	22	6.81E-01
1.52	12	71	7.73E-01
.	8	31	9.36E-01
1.03	5	44	2.55E-02
.	0	6	6.96E-01
1.04	6	33	2.66E-01
.	44	126	3.70E-01
1.03	2	22	2.22E-01
1.32	18	67	7.74E-01
0.67	15	65	8.39E-01
1.23	12	39	1.20E-01
.	4	17	8.84E-01
.	50	267	5.84E-01
2.73	24	106	7.18E-01
1.01	47	189	1.43E-01
1.49	21	117	4.78E-01
1.40	135	631	9.41E-01
0.92	299	1465	8.43E-01
0.32	14	38	3.29E-01
0.14	0	18	2.34E-01
2.04	8	28	2.14E-01
0.71	1	8	8.14E-01
2.27	30	111	1.54E-01
.	5	26	1.16E-01
1.77	96	333	4.70E-02
0.68	2	10	7.05E-01

1.34	22	65	5.71E-02
.	125	660	9.41E-01
.	1	12	6.01E-01
0.55	11	62	2.09E-01
0.82	6	40	5.68E-01
0.89	21	92	4.99E-01
.	19	88	5.88E-01
1.12	4	12	5.97E-01
1.46	2	14	4.16E-01
1.03	19	81	9.00E-01
.	1	15	3.76E-01
.	3	4	2.82E-01
.	16	87	4.23E-01
0.15	1	11	1.85E-01
.	11	68	7.49E-01
2.31	2	17	2.76E-01
.	1	7	8.44E-01
0.65	5	34	7.41E-01
0.45	3	16	6.53E-01
.	1	4	1.29E-01
0.76	36	111	4.47E-01
0.86	1	19	9.57E-01
1.58	5	15	1.65E-01
.	8	33	3.02E-01
.	0	7	5.03E-01
.	46	203	1.75E-01
1.30	4	16	7.84E-01
.	2	7	4.81E-01
.	181	769	3.65E-01
.	1	4	4.68E-02
0.61	7	36	9.10E-01
1.89	7	33	2.56E-01
0.21	1	15	5.48E-01
5.52	3	3	2.08E-01
0.62	4	18	3.45E-01
1.76	2	6	4.88E-01
.	1	12	7.27E-01
1.17	6	39	9.47E-01
.	0	7	6.50E-01
.	2	12	2.08E-01
.	7	34	6.41E-01

.	3	7	3.11E-02
.	9	48	8.40E-01
1.56	18	97	9.50E-01
.	10	87	2.61E-01
0.37	1	10	8.22E-01
1.52	17	50	1.62E-01
0.78	3	12	4.66E-01
1.55	2	19	6.15E-01
1.13	6	30	9.60E-01
1.18	38	176	6.20E-01
.	1	5	3.25E-01
.	10	68	6.60E-01
5.01	3	16	4.54E-01
.	15	31	1.06E-01
0.79	2	13	9.70E-01
.	2	5	3.01E-01
2.73	4	14	8.75E-01
1.75	16	54	4.25E-01
.	60	252	8.20E-01
.	4	8	2.71E-01
2.48	27	126	8.39E-01
.	12	75	1.36E-01
1.39	128	559	7.93E-01
1.22	24	101	1.00E+00
0.90	16	62	9.07E-01
0.61	35	124	5.67E-01
0.54	13	94	9.61E-01
1.25	115	551	7.37E-01
1.00	184	816	9.98E-01
1.23	10	35	3.20E-01
0.87	4	25	8.86E-01
1.80	5	17	1.49E-01
.	0	5	7.33E-01
.	1	5	6.84E-01
.	7	40	9.54E-01
.	1	7	8.96E-01
.	3	5	3.84E-01
0.44	4	13	3.07E-01
0.72	2	7	9.21E-01
.	2	11	8.87E-01
.	4	5	7.61E-02

.	0	6	2.55E-01
.	2	8	9.11E-01
.	7	17	5.63E-01
.	29	135	9.01E-01
.	1	5	7.94E-01
.	4	22	3.44E-01
.	3	19	8.26E-01
.	23	79	6.73E-01
.	45	160	4.71E-01
.	0	5	6.53E-01
0.19	26	95	7.09E-01
.	2	4	7.73E-01
.	0	6	7.89E-01
2.48	3	11	2.94E-01
.	3	32	3.31E-01
.	36	174	7.95E-01
1.21	10	47	5.40E-01
.	76	399	6.50E-01
0.95	28	147	9.56E-01
0.70	5	25	9.59E-02
0.20	98	435	7.42E-01
.	6	25	6.53E-01
0.98	9	51	1.50E-01
0.12	15	68	9.91E-01
.	6	13	4.18E-01
0.39	123	575	9.45E-01
0.69	6	36	7.20E-01
1.32	13	58	8.05E-02
4.45	9	18	9.64E-01
0.67	2	11	9.48E-01
1.21	2	6	2.40E-01
.	56	276	9.64E-01
1.84	129	474	1.28E-01
0.54	32	171	5.06E-01
0.61	34	190	3.34E-01
.	1	9	6.93E-01
.	74	270	9.03E-01
0.47	3	16	4.56E-01
0.61	15	68	8.77E-01
.	7	22	9.21E-01
1.22	7	26	8.89E-01

0.74	17	59	8.66E-01
.	4	11	7.82E-01
1.65	87	398	1.00E+00
0.60	15	89	8.01E-01
0.88	128	648	9.65E-01
0.40	29	92	8.19E-01
1.06	7	28	8.69E-01
.	114	460	4.84E-01
1.15	14	47	1.00E+00
.	6	19	4.61E-01
0.86	18	81	9.42E-01
0.87	65	257	1.00E+00
.	9	39	1.64E-01
2.31	21	76	7.59E-01
1.73	7	21	6.53E-01
0.63	6	30	3.71E-01
0.98	12	23	1.81E-01
1.05	38	157	9.25E-01
.	14	48	9.99E-01
1.17	10	33	8.97E-01
0.53	10	56	3.97E-01
1.78	20	104	7.27E-01
2.71	4	17	1.88E-01
0.29	3	34	9.97E-01
.	1	11	7.70E-01
2.16	191	826	4.58E-01
.	0	5	7.27E-01
1.82	38	134	9.88E-01
1.55	4	16	4.99E-01
0.44	58	278	1.00E+00
.	13	50	7.78E-01
1.08	13	44	2.20E-01
0.99	3	13	6.52E-01
7.63	5	20	1.69E-01
.	2	3	2.89E-01
.	67	349	8.12E-01
.	3	10	5.22E-01
2.70	92	464	3.17E-01
.	10	43	1.42E-01
3.53	5	13	4.61E-02
1.75	19	58	1.67E-01

1.23	12	46	9.79E-01
1.92	35	76	8.92E-01
0.78	9	39	7.41E-01
.	2	6	5.94E-01
2.76	2	14	3.60E-01
0.39	100	366	7.32E-01
2.67	139	650	3.91E-01
0.37	39	248	3.95E-01
1.24	2	36	3.38E-01
1.27	44	189	7.95E-01
0.95	39	177	3.05E-01
.	1	6	1.78E-01
1.23	103	459	9.33E-01
1.24	130	548	6.00E-01
2.38	5	15	1.22E-01
.	2	15	1.86E-01
1.58	5	17	2.50E-01
0.58	6	42	1.66E-01
1.67	126	638	8.48E-01
0.67	8	61	7.91E-01
1.28	88	414	9.09E-01
2.36	29	87	4.29E-02
0.59	1	15	3.10E-01
0.14	0	7	5.15E-01
1.04	98	414	8.68E-01
.	34	159	6.41E-01
.	2	21	8.93E-01
1.62	30	127	3.64E-01
.	32	140	3.71E-01
3.97	2	10	5.43E-01
1.34	41	165	6.98E-01
0.85	15	47	9.91E-01
1.82	21	67	5.25E-01
.	21	121	5.06E-01
0.84	19	104	9.96E-01
0.73	64	281	8.46E-01
.	1	10	7.14E-01
0.79	11	38	5.99E-01
.	37	165	9.92E-01
.	13	25	5.52E-01
.	1	7	5.35E-01

.	5	15	9.29E-01
0.80	12	65	5.68E-01
1.46	47	212	9.67E-01
1.33	4	12	5.71E-01
1.16	62	252	6.12E-01
0.64	129	555	9.16E-01
1.72	10	29	3.88E-01
.	5	25	6.50E-01
2.25	55	217	8.51E-01
0.94	24	125	9.96E-01
0.56	56	295	3.68E-01
5.10	5	19	2.19E-02
2.18	35	170	8.49E-01
1.63	32	208	2.67E-01
0.75	73	273	5.37E-01
6.02	46	214	6.68E-01
0.57	7	31	8.15E-01
1.26	11	19	3.29E-01
0.45	7	24	1.92E-01
.	29	93	1.07E-01
2.95	3	3	2.00E-01
6.43	1	5	1.75E-01
1.78	4	12	5.58E-01
1.39	68	256	3.84E-01
1.45	11	54	9.51E-01
2.69	1	4	3.76E-01
.	5	15	6.97E-01
1.73	14	57	6.39E-01
2.22	6	25	6.83E-01
0.21	2	8	3.10E-01
0.98	31	130	8.50E-01
1.24	4	20	4.05E-01
1.90	19	68	2.71E-01
0.53	23	92	1.42E-02
.	4	17	7.09E-01
1.50	6	44	9.03E-01
0.52	85	342	9.86E-01
0.92	18	139	2.03E-01
.	4	15	2.41E-01
0.64	9	38	1.70E-01
.	51	202	3.07E-01

.	31	105	6.31E-01
0.44	223	907	7.54E-01
1.23	41	170	1.00E+00
0.87	15	69	9.53E-01
1.02	151	648	7.84E-01
1.10	3	19	4.56E-01
0.74	28	130	8.85E-01
0.29	21	90	3.24E-01
1.07	194	810	7.75E-01
1.21	197	932	1.00E+00
1.02	379	1929	9.99E-01
1.06	22	109	5.59E-02
0.79	727	3170	1.00E+00
1.74	339	1382	3.25E-01
0.94	199	834	1.00E+00
0.51	278	1159	1.00E+00
0.87	68	307	8.14E-01
0.94	224	873	1.00E+00
0.99	361	1747	1.00E+00
0.95	175	709	1.00E+00
1.48	224	950	9.24E-01
1.46	9	41	7.75E-01
0.88	7	31	7.40E-01
.	1	4	3.99E-01
0.88	6	19	6.37E-01
0.66	48	276	4.90E-01
1.02	2	7	6.94E-01
.	1	4	2.86E-01
1.24	13	36	4.14E-01
0.82	5	39	9.06E-01
.	1	14	3.10E-01
.	1	6	3.85E-01
6.22	5	7	4.18E-01
1.45	4	7	7.27E-02
.	2	3	8.46E-01
5.09	26	133	7.82E-02
0.66	6	16	2.19E-01
.	7	5	4.65E-02
1.00	4	14	8.91E-01
0.47	15	81	6.42E-01
0.30	92	436	8.22E-01

.	1	8	1.68E-01
0.96	140	635	9.82E-01
.	1	18	9.68E-01
.	3	6	2.58E-01
4.21	4	18	1.43E-01
0.97	38	148	2.63E-01
4.49	8	16	3.39E-01
.	1	9	2.35E-01
1.10	27	104	4.94E-01
1.45	2	17	7.30E-01
.	3	16	6.04E-01
.	3	4	7.72E-01
.	1	4	4.68E-01
0.72	4	20	9.09E-01
0.79	3	6	6.54E-01
1.75	6	9	8.03E-01
2.63	6	27	4.82E-01
1.96	2	7	5.66E-01
.	9	44	3.83E-01
0.34	2	28	4.73E-01
.	1	7	7.73E-01
.	1	11	8.11E-01
1.18	16	77	3.85E-01
0.79	32	125	5.36E-01
0.15	9	46	5.29E-01
1.16	89	365	8.44E-01
.	1	5	2.84E-01
0.84	3	26	5.68E-01
1.40	27	97	1.00E+00
0.88	144	645	1.00E+00
0.78	92	471	8.77E-01
1.22	1	13	3.06E-01
1.24	4	24	7.12E-01
1.46	4	9	6.30E-01
0.13	71	345	8.70E-01
1.48	14	47	9.96E-01
1.05	10	72	7.06E-01
0.68	5	25	5.14E-01
0.62	3	11	5.04E-01
2.00	38	189	9.28E-01
0.70	13	48	7.48E-01

.	1	5	8.79E-01
.	32	119	5.55E-01
2.48	8	57	7.97E-01
.	2	4	1.73E-01
1.56	33	102	1.00E+00
0.96	37	154	5.97E-01
6.87	8	29	8.51E-01
.	15	72	5.72E-01
0.52	35	185	6.84E-01
1.09	44	213	3.13E-01
1.96	113	502	8.49E-01
0.53	12	56	1.92E-01
1.46	96	429	1.00E+00
0.43	44	226	9.60E-01
.	2	3	6.22E-01
0.58	3	11	2.34E-01
2.16	58	301	9.56E-01
0.57	45	270	7.09E-01
0.59	1	12	8.55E-01
1.13	10	38	8.91E-01
1.58	53	197	8.24E-01
1.33	11	69	3.16E-01
.	3	2	1.67E-03
0.51	13	45	9.58E-01
0.76	46	194	7.10E-01
1.74	56	217	4.02E-01
2.03	15	31	2.30E-01
2.67	8	17	3.20E-02
.	0	5	7.84E-01
0.94	3	21	9.21E-01
0.28	42	201	7.01E-01
.	3	5	3.24E-01
1.69	4	10	1.24E-01
.	2	7	1.10E-01
1.65	105	486	9.46E-01
1.48	2	21	2.66E-01
.	1	7	2.39E-01
2.23	14	29	7.63E-02
0.25	1	10	4.67E-01
.	2	13	8.96E-01
0.55	15	120	5.27E-02

0.33	6	40	7.91E-01
0.47	45	199	2.12E-01
1.88	86	451	6.77E-01
0.94	23	85	1.65E-01
.	4	24	7.74E-01
1.99	14	48	6.99E-01
.	2	13	8.20E-01
.	15	65	8.41E-01
.	1	10	9.15E-01
.	5	20	7.22E-01
.	0	6	6.45E-01
3.06	4	14	9.49E-01
0.30	4	31	4.04E-01
1.27	124	544	8.98E-01
0.59	2	13	6.11E-01
0.57	5	36	1.57E-01
0.52	5	32	3.38E-01
0.82	52	221	9.12E-01
3.26	2	23	6.33E-01
.	70	330	6.14E-02
.	1	6	7.16E-01
.	1	5	7.61E-01
1.12	13	41	9.79E-01
1.75	121	516	1.00E+00
1.01	27	106	6.54E-01
0.59	59	235	8.61E-01
.	0	6	7.18E-01
.	22	106	5.76E-01
2.47	3	6	1.59E-02
4.61	6	7	3.14E-02
1.64	9	30	5.57E-02
2.06	8	21	6.67E-02
.	2	7	6.64E-01
1.53	12	42	4.10E-01
0.75	131	652	8.58E-01
0.42	59	260	9.98E-01
0.50	78	351	1.00E+00
0.94	13	38	1.59E-01
1.93	16	46	8.33E-01
0.29	5	23	1.13E-01
.	1	11	8.27E-01

.	1	13	6.37E-01
6.12	108	435	9.95E-01
1.00	32	87	8.95E-01
0.85	16	132	6.44E-01
0.75	174	691	9.99E-01
0.58	46	240	2.66E-01
2.05	59	195	5.34E-01
.	1	13	1.53E-01
1.47	50	216	6.60E-01
1.18	93	376	8.82E-01
0.65	254	1233	7.97E-01
1.35	68	300	9.33E-01
2.52	3	13	3.04E-01
0.49	98	400	8.36E-01
.	3	6	1.74E-01
9.26	7	15	1.35E-02
2.41	10	24	8.07E-01
.	29	120	3.03E-01
3.94	5	8	8.75E-02
.	4	13	6.10E-01
2.28	3	8	2.42E-01
.	1	9	5.69E-01
1.57	15	85	5.48E-01
.	8	22	2.57E-01
3.20	2	6	4.89E-01
1.24	20	57	4.61E-01
1.24	126	535	9.77E-01
0.26	5	23	2.63E-01
0.91	2	22	2.14E-01
3.22	12	34	4.98E-01
.	39	127	6.55E-01
0.20	1	13	7.65E-01
3.86	14	74	5.99E-01
.	59	242	7.08E-01
.	28	141	6.75E-01
.	5	13	1.47E-01
.	2	9	4.07E-01
.	2	5	3.51E-01
0.68	39	182	4.17E-01
.	3	7	6.82E-01
1.42	4	10	5.01E-01

.	117	409	9.37E-01
1.01	3	24	4.41E-01
2.47	5	15	2.90E-01
2.69	4	10	1.62E-01
0.88	21	41	6.69E-01
0.48	85	447	7.34E-01
0.46	18	91	8.13E-01
.	1	4	2.71E-01
.	3	23	3.80E-01
0.47	14	65	9.95E-01
0.54	27	153	7.47E-01
.	5	22	1.11E-01
1.09	10	36	7.85E-01
1.01	12	38	1.00E+00
.	2	16	7.32E-01
2.93	8	12	8.83E-03
.	51	237	8.98E-01
1.07	6	22	5.69E-01
.	11	54	9.95E-01
0.71	63	281	1.00E+00
2.02	2	20	4.51E-02
.	0	6	9.59E-02
1.24	84	395	8.38E-01
.	1	7	8.76E-01
0.90	150	758	9.99E-01
1.05	5	23	3.94E-01
.	3	15	2.08E-01
1.36	1	10	2.78E-01
.	3	15	6.23E-01
1.51	3	8	6.75E-01
3.64	34	124	6.38E-01
1.36	121	525	9.75E-01
1.48	124	627	7.08E-01
1.69	65	264	1.00E+00
0.61	21	71	9.64E-01
.	84	400	9.43E-01
0.56	11	52	9.72E-01
1.22	5	33	5.44E-01
.	25	123	9.31E-01
1.64	10	36	5.01E-01
.	7	58	5.77E-02

0.53	2	5	9.35E-01
.	0	5	8.69E-01
0.75	25	107	9.42E-01
5.05	9	24	1.82E-01
.	16	60	8.86E-01
.	9	29	9.31E-01
.	2	19	9.55E-01
.	42	240	1.17E-01
3.66	93	365	9.60E-01
.	4	7	6.27E-01
.	3	16	7.22E-02
.	3	4	1.71E-03
.	50	243	4.22E-01
.	8	40	3.96E-01
1.03	1	7	8.07E-01
2.04	29	90	9.94E-01
1.53	76	340	8.97E-01
0.74	13	43	9.33E-01
1.22	36	131	8.80E-01
0.94	103	376	5.66E-01
.	2	7	5.06E-02
1.22	4	34	1.74E-01
.	76	340	8.12E-01
.	0	5	6.19E-01
3.41	15	35	1.66E-01
0.16	3	24	5.59E-01
0.68	20	91	3.16E-01
0.85	51	253	9.57E-01
2.98	41	146	1.80E-01
1.35	6	30	3.57E-01
2.30	25	115	8.68E-01
4.26	3	5	1.93E-01
.	28	121	7.91E-01
.	5	24	2.24E-01
.	13	71	4.80E-01
.	8	34	1.52E-01
.	32	152	8.35E-01
0.17	2	22	6.27E-01
1.73	5	18	4.52E-01
0.54	26	105	4.78E-01
7.79	13	24	8.96E-02

0.48	4	22	9.80E-01
1.49	1	7	8.31E-01
0.17	1	15	2.52E-01
.	13	98	1.73E-01
2.28	72	366	3.15E-01
0.94	47	271	5.86E-01
2.27	2	9	4.02E-01
2.34	18	67	4.39E-01
8.55	11	6	2.28E-02
0.41	10	69	1.16E-01
3.16	10	14	1.03E-01
0.85	5	45	3.98E-01
.	7	30	8.35E-01
.	1	8	8.68E-01
.	61	304	4.75E-01
2.88	145	734	7.90E-01
1.58	0	13	6.57E-01
.	1	5	9.07E-01
1.13	11	44	7.87E-01
0.85	77	301	6.97E-02
0.84	226	912	8.79E-01
0.97	28	109	3.29E-01
0.45	32	159	9.16E-01
2.22	6	15	6.17E-01
0.84	7	41	5.16E-01
2.14	27	141	9.48E-01
0.38	167	763	5.88E-01
1.16	3	5	2.57E-01
0.75	2	16	9.52E-01
0.16	1	5	2.90E-01
.	16	81	1.43E-01
1.04	3	22	5.62E-01
.	0	8	4.05E-01
0.48	12	41	5.14E-01
0.33	6	27	3.40E-01
4.48	10	63	4.16E-01
0.36	83	302	3.54E-01
0.13	0	10	7.01E-01
1.70	74	282	4.25E-01
1.27	8	43	8.57E-01
1.03	67	338	8.95E-01

2.04	5	17	7.17E-01
.	14	116	7.72E-02
0.94	24	82	7.59E-02
.	1	8	3.30E-01
.	2	9	4.68E-01
.	3	18	1.66E-01
0.83	24	89	1.00E+00
1.98	16	49	3.38E-01
1.73	2	10	4.77E-01
1.42	2	15	1.46E-01
0.61	1	7	9.36E-01
1.13	2	9	5.31E-01
2.18	33	166	8.20E-01
0.69	27	114	8.23E-01
.	4	16	7.99E-01
0.46	1	13	3.55E-01
.	3	3	9.32E-02
0.87	5	17	9.78E-01
8.45	74	297	4.34E-01
2.14	5	10	7.51E-01
1.50	9	37	9.56E-01
0.39	12	35	6.99E-01
0.67	0	7	7.20E-01
0.94	7	27	7.76E-01
0.60	14	73	4.86E-01
2.36	20	103	7.62E-01
0.60	3	23	5.40E-01
.	13	31	5.01E-01
.	1	4	5.06E-01
0.83	14	75	9.88E-01
.	11	61	9.32E-01
.	1	5	7.58E-01
1.44	1	5	6.88E-01
.	0	5	7.84E-01
.	2	4	4.17E-01
1.80	15	138	1.89E-01
.	0	9	8.40E-01
1.72	2	9	4.75E-01
2.01	10	43	3.07E-01
.	0	6	5.73E-01
.	18	69	6.09E-01

1.96	58	267	1.00E+00
.	6	14	9.13E-02
2.25	18	116	8.85E-01
.	20	100	3.54E-01
1.23	23	98	8.72E-01
4.36	29	80	5.03E-01
0.43	4	31	5.32E-01
3.44	45	165	5.49E-01
0.76	11	48	6.48E-01
.	3	3	6.26E-03
.	2	5	8.99E-01
.	27	104	1.63E-01
.	18	86	8.88E-01
0.43	0	9	4.88E-01
0.84	3	14	9.02E-01
1.37	13	34	9.29E-01
3.55	11	34	8.51E-01
1.93	34	123	8.20E-01
.	2	7	5.55E-01
3.41	5	20	3.10E-01
0.82	18	72	8.74E-01
.	13	73	5.93E-01
0.55	5	48	4.01E-01
.	2	7	7.47E-01
1.83	84	365	4.93E-01
1.03	3	10	3.27E-01
.	5	35	1.83E-01
1.47	59	304	8.45E-01
1.27	19	91	8.45E-01
0.57	74	419	7.69E-01
.	1	5	8.49E-02
1.01	37	176	6.48E-01
.	19	78	5.62E-01
.	24	127	5.30E-01
.	4	7	8.35E-01
1.21	19	124	3.10E-01
0.69	3	9	6.98E-01
1.88	11	85	3.16E-01
0.35	0	12	8.79E-01
1.92	5	17	3.43E-01
.	92	337	5.78E-01

1.33	5	27	4.89E-01
1.67	5	25	6.24E-01
1.48	13	84	2.77E-01
.	1	6	5.31E-01
.	9	48	8.25E-01
.	5	52	2.20E-01
.	5	22	9.40E-01
.	3	23	2.16E-01
.	20	67	9.88E-01
1.29	23	151	1.57E-01
0.08	20	80	3.93E-01
0.31	21	124	4.65E-01
0.99	72	380	7.14E-01
1.33	37	185	2.95E-01
.	2	8	5.64E-01
2.78	9	35	2.71E-01
1.09	11	32	4.19E-01
0.83	9	47	6.60E-01
1.90	31	112	6.82E-01
0.90	19	92	1.00E+00
0.66	55	242	7.96E-01
1.23	3	11	1.77E-01
1.25	27	139	9.68E-01
.	3	22	3.68E-01
.	3	37	5.75E-02
.	3	17	8.36E-01
1.02	65	277	7.14E-01
.	3	3	1.80E-01
0.64	62	327	6.54E-01
2.49	8	29	3.84E-01
3.59	10	21	4.47E-02
0.26	100	397	6.77E-01
3.32	40	181	6.86E-01
0.85	102	395	9.16E-01
4.44	34	136	9.96E-01
.	9	36	9.17E-01
.	1	8	3.14E-01
1.71	2	7	5.32E-01
1.49	6	14	2.88E-02
1.22	10	46	3.88E-01
.	1	10	8.29E-01

0.85	9	44	6.76E-01
.	1	17	8.00E-01
0.94	22	88	4.04E-01
2.97	24	147	8.72E-01
2.23	17	59	4.05E-01
1.58	14	38	5.13E-01
1.29	1	10	2.68E-01
0.42	56	262	8.42E-01
0.26	5	38	9.14E-01
0.46	4	39	9.96E-01
.	28	134	2.54E-01
1.00	58	230	8.57E-01
0.47	36	162	1.00E+00
.	4	19	3.31E-01
0.93	10	41	6.78E-01
0.64	11	54	7.83E-01
1.44	16	48	2.68E-01
1.61	4	12	3.00E-01
0.36	22	103	6.09E-01
.	10	22	4.34E-01
1.23	8	42	4.20E-01
2.25	18	50	4.43E-01
0.34	1	13	8.87E-01
1.05	50	252	8.96E-02
0.98	81	264	4.48E-01
1.28	28	111	4.71E-01
0.67	71	329	1.00E+00
1.44	5	23	4.89E-01
0.45	40	235	8.53E-01
1.30	36	127	8.80E-01
1.02	36	170	8.82E-01
0.93	8	39	5.71E-01
0.95	40	219	8.27E-01
1.02	14	55	3.73E-01
.	71	272	2.60E-01
.	6	24	7.82E-01
1.81	11	34	2.89E-01
.	1	4	3.16E-01
4.08	166	662	8.08E-01
.	1	6	3.22E-01
5.27	86	340	3.84E-01

0.76	238	915	7.65E-01
1.05	69	270	1.03E-01
1.05	98	364	7.41E-01
.	2	8	1.30E-01
0.34	84	372	1.72E-01
1.02	11	79	4.10E-01
0.64	59	256	8.94E-01
1.80	25	130	5.70E-01
2.30	10	33	2.18E-01
1.05	14	74	8.01E-01
0.51	5	24	3.37E-02
0.89	6	32	5.88E-01
1.32	19	89	2.37E-01
2.01	8	20	3.85E-02
1.84	81	361	8.69E-01
1.71	4	11	6.51E-01
.	1	5	1.49E-01
2.40	3	11	1.87E-01
2.24	52	188	4.98E-01
0.53	18	70	6.24E-01
0.62	41	211	9.83E-01
0.37	7	49	6.33E-01
2.21	19	47	9.17E-02
2.14	8	27	3.41E-01
2.82	92	413	9.81E-01
0.75	99	431	3.61E-01
.	38	182	9.79E-01
0.70	3	13	9.71E-01
0.94	44	201	9.63E-01
0.91	19	80	8.96E-01
0.98	43	208	1.00E+00
0.25	88	360	9.11E-01
.	28	129	5.26E-01
0.96	46	231	1.00E+00
1.97	33	109	7.14E-02
.	68	229	4.87E-01
.	5	13	4.93E-02
0.46	85	437	9.33E-01
0.65	56	235	1.00E+00
1.12	28	91	5.29E-01
1.08	59	312	7.29E-01

0.87	11	52	8.98E-01
1.03	9	28	8.68E-01
1.54	86	389	9.22E-01
2.45	82	398	9.16E-01
0.85	10	46	3.28E-01
0.65	6	27	9.08E-01
0.73	113	453	9.08E-01
1.25	104	408	5.43E-01
0.77	18	97	9.40E-01
5.60	73	329	8.56E-01
0.44	5	30	7.72E-01
.	54	229	9.15E-01
.	5	12	2.09E-01
.	1	7	6.00E-01
.	4	22	9.06E-01
.	1	4	7.44E-01
0.30	7	16	9.96E-02
.	8	35	9.53E-01
1.83	141	563	6.05E-01
.	47	224	1.00E+00
1.43	50	307	9.82E-01
.	26	134	9.97E-01
1.90	33	201	2.62E-01
.	85	377	8.93E-01
0.88	73	284	1.00E+00
.	10	50	6.02E-01
0.37	105	446	7.13E-02
0.50	3	20	8.30E-01
0.18	12	80	1.87E-01
0.67	8	54	9.59E-01
1.27	31	81	6.12E-01
2.26	6	12	9.46E-01
2.38	8	31	5.56E-01
.	0	8	7.41E-01
.	19	64	2.37E-01
3.61	5	9	2.22E-01
0.86	14	87	3.10E-01
.	17	86	3.62E-01
1.06	71	376	3.60E-01
1.22	7	34	8.92E-01
1.65	12	50	3.05E-01

1.39	13	70	6.23E-01
0.65	6	21	8.46E-01
.	4	9	6.98E-01
0.41	42	224	5.20E-01
0.96	3	13	2.43E-01
0.94	101	489	9.53E-01
1.52	14	49	7.13E-02
0.58	1	21	9.10E-01
.	8	25	4.23E-01
0.11	5	24	4.54E-01
0.44	20	102	8.06E-01
0.39	0	5	8.00E-01
0.66	40	136	3.00E-02
0.37	14	45	4.35E-01
1.11	83	379	1.00E+00
.	10	34	9.91E-01
4.21	78	346	8.01E-01
0.69	114	521	1.00E+00
3.58	6	17	1.85E-02
0.84	2	8	8.90E-01
.	15	101	3.76E-01
0.54	28	119	7.34E-01
0.34	0	13	5.19E-01
1.98	4	26	3.70E-01
.	4	9	5.01E-01
.	3	8	6.99E-01
.	4	13	5.39E-01
.	1	11	9.30E-01
.	79	370	9.99E-01
.	24	101	9.17E-01
0.84	3	22	7.73E-01
.	6	50	6.31E-01
.	107	432	9.78E-01
0.61	43	200	5.21E-01
.	1	7	8.01E-01
1.27	141	542	7.79E-01
1.25	34	103	9.75E-01
.	11	53	5.93E-01
5.60	4	10	4.69E-01
0.56	14	57	9.78E-01
0.62	4	15	3.19E-01

1.62	1	7	8.21E-01
2.18	145	638	2.76E-01
2.24	3	9	3.22E-01
3.82	8	60	6.40E-01
0.17	4	14	2.65E-01
1.82	42	179	9.94E-01
1.57	186	783	8.42E-01
2.10	77	285	4.89E-01
.	67	339	7.39E-01
1.12	7	35	9.55E-01
1.12	7	25	6.76E-01
.	8	24	2.87E-02
1.25	47	206	9.99E-01
.	3	23	5.14E-01
.	11	49	9.09E-01
.	9	43	9.36E-01
.	2	32	1.85E-01
0.30	26	127	5.04E-01
1.89	9	21	5.38E-01
.	7	33	8.71E-01
.	2	31	5.96E-01
1.50	9	62	6.76E-01
.	1	6	9.10E-01
1.43	18	47	2.66E-01
.	9	45	9.66E-01
1.42	8	36	1.36E-01
0.37	0	10	8.13E-01
0.69	4	7	2.44E-01
.	61	368	4.36E-02
0.61	21	64	2.93E-01
4.49	40	156	7.91E-01
0.05	96	427	9.93E-01
0.65	3	8	9.60E-01
0.57	3	42	7.56E-01
1.47	12	48	2.96E-01
2.64	3	9	6.99E-01
0.38	2	16	3.34E-01
0.29	2	20	6.42E-01
1.18	8	32	6.64E-01
.	3	16	5.78E-01
1.58	12	29	4.20E-01

1.25	193	832	8.53E-01
0.38	1	21	3.29E-01
.	63	314	1.43E-01
0.68	3	18	6.06E-01
2.57	7	36	4.19E-01
0.93	7	36	1.96E-01
0.80	5	18	3.55E-01
0.78	4	34	2.77E-01
0.33	82	342	2.67E-01
0.14	10	72	6.13E-01
0.48	3	30	8.32E-01
.	2	11	1.33E-01
1.33	4	14	9.50E-01
3.19	14	40	1.02E-01
0.47	19	79	7.85E-01
0.63	8	27	9.98E-01
0.64	315	1540	9.19E-01
1.11	6	15	8.34E-01
0.43	12	40	1.75E-01
5.85	4	16	6.62E-01
1.13	32	123	3.14E-01
3.63	6	14	4.38E-02
.	36	183	1.18E-01
.	3	4	4.27E-01
.	1	8	6.97E-01
.	44	151	4.37E-01
.	4	6	3.70E-01
.	4	5	9.92E-02
.	2	3	8.43E-01
.	2	5	6.85E-02
.	1	4	3.10E-01
.	34	160	7.93E-01
.	5	16	3.65E-01
3.02	4	12	1.42E-01
3.09	2	6	1.14E-01
.	11	69	3.87E-01
.	1	12	5.80E-01
1.45	27	98	9.13E-01
0.34	3	9	4.13E-01
0.81	3	15	8.87E-01
0.34	3	30	1.26E-01

0.67	58	333	6.78E-01
1.08	109	484	1.02E-01
.	14	53	3.92E-01
4.57	2	7	5.87E-02
0.87	2	5	8.35E-01
.	13	54	4.31E-01
2.49	1	6	5.11E-01
.	7	21	3.74E-02
0.56	8	60	1.00E+00
1.57	32	125	7.83E-01
.	5	41	7.57E-01
.	62	264	1.00E+00
.	3	9	9.55E-01
.	2	10	3.28E-01
0.34	2	11	1.51E-01
.	1	6	3.96E-01
.	3	8	4.25E-01
.	1	22	3.42E-01
.	2	19	8.02E-01
.	1	5	3.15E-01
2.90	7	16	3.06E-02
4.29	51	246	9.68E-01
0.36	5	37	8.25E-01
.	1	5	2.22E-01
0.48	51	300	1.79E-01
1.57	23	64	6.75E-01
0.22	101	400	6.24E-01
.	1	5	6.24E-01
.	1	11	7.06E-01
.	0	12	5.46E-01
1.27	4	20	2.06E-01
.	11	60	8.89E-01
.	1	8	8.01E-01
2.25	11	29	3.05E-01
.	14	54	9.44E-01
.	1	12	4.13E-02
1.39	14	52	4.67E-01
1.57	9	52	6.87E-01
1.06	44	229	1.06E-01
0.92	45	214	9.69E-01
0.85	6	25	7.53E-01

0.88	47	197	1.00E+00
2.35	4	15	2.61E-02
0.32	153	538	8.98E-01
1.82	5	8	1.09E-01
.	22	98	6.54E-01
0.88	73	429	4.48E-01
2.81	4	20	5.68E-01
2.54	25	128	9.84E-01
.	24	102	3.17E-02
.	2	18	9.61E-01
0.50	14	78	1.00E+00
1.30	20	89	9.57E-01
2.10	46	176	8.29E-01
2.97	32	170	9.93E-01
1.02	23	69	1.89E-01
.	14	82	2.30E-01
0.53	44	200	6.12E-01
.	2	17	8.30E-01
.	25	148	2.92E-01
2.22	2	4	5.04E-01
.	1	4	3.89E-01
.	14	68	2.63E-01
0.40	3	27	5.63E-01
.	6	18	2.73E-02
.	3	26	5.55E-01
1.37	16	46	1.00E+00
.	1	8	8.79E-01
0.28	5	30	7.11E-01
0.85	1	11	2.97E-01
0.63	33	159	9.64E-01
.	8	38	9.95E-01
.	51	235	5.96E-01
.	3	15	2.18E-01
1.64	2	10	6.96E-01
1.23	36	147	6.78E-01
0.36	139	609	7.92E-01
0.56	64	240	6.25E-02
.	15	32	4.48E-01
1.81	7	16	4.39E-01
0.74	2	15	7.95E-01
1.50	16	116	1.02E-01

1.58	75	293	9.74E-01
.	2	5	6.09E-01
1.34	86	382	9.50E-01
0.77	130	466	1.00E+00
.	34	199	5.41E-01
.	2	8	8.61E-01
2.06	74	316	8.01E-01
3.09	9	26	3.13E-01
.	18	41	9.01E-02
1.36	6	36	7.86E-01
1.00	45	206	1.00E+00
3.64	1	10	1.80E-01
.	1	7	4.24E-01
0.53	6	23	3.00E-01
.	11	47	9.21E-01
.	23	126	9.47E-01
0.62	6	31	9.98E-01
.	0	6	7.55E-01
.	2	17	1.33E-01
.	1	9	1.09E-01
.	1	9	2.33E-01
.	9	48	8.34E-01
.	5	24	1.00E-01
.	45	177	9.99E-01
0.47	21	114	7.39E-01
.	3	2	1.51E-01
0.23	44	169	9.16E-01
.	102	477	4.95E-01
.	2	6	1.74E-01
.	2	7	1.56E-01
0.70	4	12	2.97E-01
0.38	3	31	4.22E-01
.	43	175	9.29E-01
.	0	11	5.12E-01
.	4	10	4.65E-01
.	4	14	5.25E-01
1.41	4	13	8.58E-01
1.69	21	92	4.15E-01
.	4	15	4.55E-01
.	11	62	9.61E-01
.	2	6	3.70E-01

.	13	45	9.47E-01
4.05	3	13	2.91E-01
0.31	1	19	2.03E-01
.	6	16	1.93E-02
0.98	186	845	8.92E-01
2.81	6	22	3.60E-01
1.96	3	11	6.80E-01
.	3	20	3.92E-01
1.16	38	111	5.93E-01
1.99	11	39	1.14E-01
.	1	6	2.33E-01
.	8	43	8.58E-01
0.80	10	52	9.43E-01
0.37	3	13	3.02E-01
0.81	2	9	8.79E-01
0.39	15	46	9.33E-02
.	63	308	5.70E-01
1.13	62	345	1.17E-01
.	9	35	9.08E-01
1.24	1	10	8.25E-01
.	7	36	1.42E-01
0.90	6	36	1.31E-01
.	7	51	1.80E-01
0.78	14	73	2.22E-01
1.85	15	66	5.08E-01
0.61	2	8	2.74E-01
.	25	83	3.65E-02
3.75	6	28	3.35E-01
2.62	4	12	6.34E-01
1.57	70	295	7.17E-01
0.33	5	49	1.58E-01
10.60	3	10	2.27E-02
0.63	84	321	3.29E-01
0.50	24	105	6.55E-01
1.54	40	160	1.00E+00
.	1	4	4.00E-01
7.05	3	5	1.37E-01
.	1	15	4.33E-01
0.80	67	348	4.04E-01
.	34	109	6.49E-01
0.54	2	11	5.93E-01

.	69	276	7.94E-01
0.61	3	14	8.02E-02
0.62	45	206	8.39E-01
.	1	10	9.55E-01
.	6	33	8.34E-01
0.11	4	24	3.67E-01
1.07	12	53	8.23E-01
.	3	10	4.92E-01
3.73	7	15	1.47E-01
.	0	5	6.73E-01
2.64	10	54	5.77E-01
1.55	110	352	8.36E-01
0.40	28	124	5.70E-01
.	32	77	2.08E-02
1.52	12	70	3.45E-01
2.19	3	33	3.76E-01
0.42	20	90	7.01E-01
7.72	8	13	8.12E-02
0.99	23	105	6.36E-01
1.36	44	211	5.84E-01
.	4	6	6.56E-01
.	0	8	4.17E-01
.	0	5	6.69E-01
.	0	6	6.33E-01
0.70	7	44	7.96E-01
1.27	26	119	4.17E-01
.	3	16	5.38E-01
2.34	36	151	9.39E-01
1.91	47	207	1.61E-01
1.27	250	1217	1.00E+00
1.01	19	86	1.00E+00
0.58	37	190	5.36E-01
.	3	6	1.23E-01
.	64	291	9.13E-01
0.55	19	78	9.95E-01
.	13	75	3.81E-01
1.30	28	91	4.25E-01
1.38	13	60	5.03E-01
0.79	152	610	8.82E-01
1.02	101	514	8.81E-01
1.79	14	54	7.29E-01

.	5	17	1.14E-01
.	1	4	8.68E-01
1.03	56	258	1.00E+00
1.90	61	240	9.34E-01
.	10	34	6.07E-01
0.70	60	228	5.51E-01
1.19	6	11	1.30E-02
0.90	2	11	8.66E-01
2.04	3	18	6.05E-01
0.70	96	395	1.00E+00
.	8	47	6.53E-01
1.30	75	259	4.17E-01
.	79	357	9.87E-01
.	42	218	5.68E-01
0.38	6	52	9.54E-01
1.12	269	1247	1.00E+00
0.99	103	562	8.04E-01
0.84	134	523	7.99E-01
0.84	233	1090	1.00E+00
.	10	59	4.24E-01
.	4	11	8.93E-01
0.08	117	586	4.29E-01
1.10	95	449	1.00E+00
4.33	2	10	2.60E-01
.	18	109	6.14E-01
1.80	30	130	3.97E-01
1.55	55	146	9.94E-01
0.84	5	33	2.85E-01
1.12	25	116	2.40E-01
0.25	8	68	9.64E-01
0.72	137	703	8.06E-01
0.78	233	838	7.93E-01
0.29	2	17	4.73E-01
0.37	6	70	9.26E-02
4.01	20	122	2.83E-01
1.16	31	128	9.90E-01
.	2	27	4.21E-01
1.12	86	402	9.97E-01
0.83	2	21	6.66E-01
0.77	26	121	8.89E-01
.	2	6	9.53E-02

.	3	12	6.09E-01
.	2	3	8.84E-02
2.03	39	180	3.70E-01
.	4	13	6.14E-01
0.06	67	352	9.31E-01
.	4	19	6.89E-01
.	1	8	7.26E-01
1.11	7	25	7.71E-01
.	1	7	7.18E-01
.	76	352	9.85E-01
.	52	172	9.46E-01
1.44	4	17	8.84E-01
1.15	5	33	8.54E-01
.	6	18	9.55E-01
.	3	6	7.90E-01
1.30	6	20	1.06E-01
0.90	17	81	2.35E-01
.	2	4	4.13E-01
15.31	4	8	1.37E-02
.	2	7	4.12E-01
.	4	8	2.96E-01
5.11	18	59	3.30E-01
17.94	11	23	2.07E-01
.	1	6	8.52E-01
.	1	4	8.62E-01
.	3	20	5.56E-01
.	1	7	4.49E-01
.	9	45	8.96E-01
4.75	18	67	9.28E-01
0.60	7	29	1.82E-01
0.87	16	38	2.69E-02
0.52	12	40	6.17E-01
0.95	68	292	9.10E-01
1.39	10	26	4.04E-01
1.96	41	143	8.07E-01
.	4	15	5.66E-01
2.62	29	160	8.09E-01
1.17	58	297	5.78E-01
2.34	10	64	7.31E-01
1.06	81	384	4.84E-01
.	7	22	4.62E-01

1.40	1	11	4.83E-01
.	13	40	2.36E-01
.	70	318	9.30E-01
.	4	17	8.26E-01
2.14	4	4	9.31E-01
0.60	42	205	5.27E-01
.	0	14	1.35E-01
0.59	22	87	3.24E-01
1.38	59	341	6.66E-01
1.73	54	247	1.00E+00
.	83	358	8.22E-01
.	21	72	3.57E-01
.	3	9	8.85E-01
.	49	275	4.04E-01
1.08	153	560	9.41E-01
.	1	4	7.53E-01
.	14	50	3.30E-01
1.79	26	71	4.86E-01
0.28	6	37	7.02E-01
1.25	39	197	9.11E-01
.	3	17	7.48E-01
.	1	14	8.73E-01
0.68	4	27	8.68E-01
1.21	4	26	3.26E-01
1.32	24	101	8.14E-01
.	32	159	4.96E-01
.	32	127	6.12E-01
1.25	44	265	3.95E-01
.	21	79	7.42E-01
.	115	469	1.00E+00
0.70	7	36	8.90E-01
0.53	5	16	9.68E-01
.	140	604	8.49E-01
0.50	73	348	8.55E-01
1.46	2	14	5.84E-01
.	36	135	1.67E-01
2.26	17	87	7.67E-01
3.06	13	44	7.98E-01
0.89	15	97	4.54E-01
.	1	5	8.32E-01
0.77	57	283	1.63E-01

.	30	123	9.47E-01
0.55	122	571	8.46E-01
0.20	1	9	3.04E-01
0.69	149	681	9.42E-01
3.64	11	34	8.22E-01
1.24	12	53	8.12E-01
1.12	5	24	1.00E+00
0.26	61	274	9.32E-01
.	15	72	8.48E-01
1.24	6	14	3.11E-01
.	8	34	3.00E-01
.	1	10	9.42E-01
.	10	18	3.55E-01
2.31	67	330	4.83E-01
.	1	4	5.43E-01
1.91	2	11	5.45E-01
2.45	10	29	4.41E-01
0.96	12	71	1.00E+00
0.41	51	168	8.11E-01
1.37	10	65	9.99E-01
1.01	121	427	3.95E-01
1.40	25	128	3.09E-01
.	7	12	6.16E-02
.	2	6	4.32E-01
1.18	1	6	7.87E-01
.	2	6	9.03E-01
2.25	5	10	3.63E-01
1.28	4	12	1.65E-01
5.43	4	7	1.10E-01
1.53	4	16	6.55E-01
3.05	32	67	7.37E-03
3.53	11	23	6.21E-02
2.87	9	18	1.40E-01
.	5	28	7.30E-01
.	29	110	7.78E-01
0.53	3	18	1.03E-01
.	35	149	7.50E-01
.	3	2	2.77E-02
5.88	7	21	2.36E-02
3.46	31	66	1.12E-01
1.48	6	20	6.19E-01

2.34	101	366	7.27E-01
0.91	8	47	1.85E-01
1.12	71	269	1.00E+00
1.04	80	292	2.49E-01
.	2	9	1.46E-01
0.29	0	9	5.22E-01
0.58	141	628	7.40E-01
1.45	39	169	1.00E+00
0.84	2	7	8.88E-01
1.54	2	14	7.12E-01
0.96	8	52	4.40E-01
.	42	152	4.47E-01
1.67	43	193	4.27E-01
0.72	82	389	9.51E-01
2.79	23	45	3.35E-01
.	4	9	7.55E-01
2.15	1	8	4.40E-02
0.41	3	35	1.78E-01
0.80	40	149	4.47E-01
2.19	2	5	7.26E-01
0.68	2	20	8.40E-01
1.62	36	137	1.00E+00
0.50	38	172	8.74E-01
.	9	46	5.69E-01
.	1	5	8.36E-01
.	1	8	8.14E-01
.	9	6	2.46E-01
.	16	83	5.79E-01
.	0	6	6.95E-01
.	1	4	4.27E-01
0.69	39	183	1.00E+00
.	1	14	1.88E-01
0.25	107	428	9.31E-01
2.05	2	5	5.20E-01
1.46	8	33	2.57E-01
2.58	9	18	1.17E-01
1.43	4	16	8.15E-01
.	13	45	5.67E-01
4.81	18	45	7.86E-01
0.47	3	26	7.64E-01
0.65	51	222	9.84E-01

1.14	45	240	3.55E-01
1.21	24	126	8.29E-01
2.70	2	9	5.48E-01
1.61	40	177	5.08E-01
0.86	64	241	2.23E-01
1.40	132	547	9.38E-01
3.13	19	72	3.38E-01
1.24	10	33	8.22E-01
2.53	14	38	1.11E-01
6.20	65	239	7.05E-01
0.53	17	109	1.00E+00
0.87	39	149	2.40E-01
.	2	9	6.93E-01
2.12	102	457	9.58E-01
.	3	23	8.43E-01
0.88	4	18	6.08E-01
0.46	22	108	7.22E-01
.	6	19	5.73E-01
0.60	90	356	7.03E-01
0.99	46	223	9.20E-01
1.37	6	29	6.47E-01
0.59	11	53	4.23E-01
0.90	4	16	2.49E-01
3.68	15	27	2.04E-03
1.04	70	360	1.00E+00
.	5	47	3.45E-01
2.61	26	118	2.04E-01
.	2	22	4.73E-01
1.10	40	209	1.25E-01
1.12	8	54	3.27E-01
0.70	30	140	9.27E-01
0.79	3	38	3.32E-02
.	2	8	1.28E-01
0.18	28	122	9.26E-01
1.02	138	591	6.61E-01
0.16	60	281	7.19E-01
.	6	35	3.81E-01
.	4	4	4.14E-02
1.16	94	391	9.79E-01
.	7	14	3.38E-02
0.65	6	45	9.99E-01

0.28	7	44	8.19E-01
0.77	46	224	7.34E-01
.	1	4	4.72E-01
1.64	54	244	8.48E-01
.	1	16	8.11E-01
.	0	6	7.40E-01
2.17	4	22	4.69E-01
.	1	5	1.39E-01
.	43	223	5.91E-01
.	5	49	2.68E-01
8.60	3	4	1.07E-03
.	73	320	1.00E+00
1.57	2	8	4.51E-01
1.59	4	9	7.06E-02
0.46	0	5	7.61E-01
0.45	1	4	6.91E-02
0.86	4	11	3.54E-01
0.73	2	14	8.81E-01
1.67	10	56	4.33E-01
0.57	8	42	1.30E-01
.	0	8	7.52E-01
10.82	5	4	1.76E-02
1.01	6	22	8.73E-01
0.83	2	14	7.07E-01
1.11	11	82	3.80E-01
1.79	72	304	8.37E-01
0.95	28	118	9.10E-01
.	10	77	5.27E-01
1.59	29	115	6.88E-01
2.19	5	18	5.55E-01
.	0	6	7.35E-01
0.84	7	28	2.26E-01
1.53	33	181	8.95E-01
4.40	2	5	2.98E-01
0.79	3	14	5.13E-01
5.66	6	16	3.64E-02
0.53	1	11	7.88E-01
0.92	9	45	8.82E-01
1.11	8	34	7.98E-01
0.39	10	34	4.09E-01
3.60	24	92	8.35E-01

0.82	2	19	4.43E-01
1.57	11	84	8.41E-01
0.63	28	120	8.67E-01
.	5	38	1.76E-01
.	7	38	4.89E-01
.	2	8	3.33E-01
.	3	17	3.90E-01
0.94	161	707	9.27E-01
2.51	195	713	1.00E+00
1.39	123	498	9.99E-01
0.61	18	70	5.84E-01
0.16	93	384	8.74E-02
0.47	30	151	1.37E-01
0.33	1	24	9.08E-01
0.88	40	137	3.38E-01
1.82	15	35	3.60E-01
0.65	4	13	7.81E-01
1.43	2	12	2.80E-01
0.76	33	148	9.14E-01
1.29	29	124	4.63E-01
1.07	40	158	5.70E-01
.	2	5	6.41E-01
.	1	4	9.93E-02
.	5	56	7.49E-02
3.56	37	113	9.39E-01
0.90	32	167	1.00E+00
1.07	104	390	9.51E-01
.	3	8	3.21E-01
0.69	15	44	6.78E-02
0.61	1	21	2.75E-01
2.31	26	83	1.32E-01
1.78	10	41	2.71E-01
1.44	4	10	2.41E-01
.	124	530	2.94E-01
1.43	5	40	8.04E-01
0.77	6	25	9.82E-01
1.61	10	33	6.11E-01
1.75	10	23	3.09E-01
3.52	95	506	8.28E-01
.	5	29	6.45E-01
.	2	10	8.23E-01

2.80	19	55	5.42E-01
0.65	59	222	1.00E+00
1.23	58	236	9.65E-01
2.32	5	24	6.53E-01
0.73	8	33	9.97E-01
4.15	6	5	2.67E-01
1.64	4	18	7.41E-01
.	0	6	6.29E-01
1.80	3	11	4.07E-01
1.86	5	26	7.80E-01
1.95	3	11	5.88E-01
1.52	46	222	7.62E-01
.	5	17	5.30E-01
0.99	18	58	1.25E-01
2.20	2	7	1.49E-01
1.35	16	99	4.52E-01
0.69	11	68	1.00E+00
.	3	11	3.29E-01
0.94	9	65	2.76E-01
.	8	26	7.77E-01
.	11	39	8.32E-01
.	12	41	9.91E-01
.	2	9	9.19E-01
0.29	28	186	1.60E-01
.	10	73	2.07E-01
.	1	9	8.64E-01
2.43	23	112	2.70E-01
0.81	1	7	8.63E-01
.	1	5	5.43E-01
.	6	43	8.48E-01
.	11	45	7.08E-01
.	17	44	1.49E-02
.	27	138	3.91E-01
.	1	4	5.87E-01
1.27	21	102	4.48E-01
.	6	25	6.44E-01
1.67	48	180	9.68E-01
.	10	70	8.66E-01
0.24	8	62	9.14E-01
0.64	2	7	7.65E-01
1.55	2	19	3.20E-01

.	3	8	6.74E-01
2.35	42	132	5.44E-02
.	78	271	6.16E-01
1.02	40	135	6.27E-01
0.23	25	104	6.00E-01
0.13	2	9	5.30E-01
.	5	20	5.09E-01
.	2	3	1.71E-01
1.42	1	5	7.27E-01
0.94	6	19	3.67E-01
2.90	16	61	2.85E-01
.	0	6	8.11E-01
1.73	79	341	3.56E-01
.	22	94	6.06E-01
5.46	7	23	1.36E-01
.	46	223	9.64E-01
0.95	2	7	8.62E-01
.	0	5	7.07E-01
0.53	6	30	8.47E-01
.	109	514	3.64E-01
.	5	6	5.42E-02
0.69	6	20	6.32E-01
0.07	0	12	9.32E-02
1.78	87	358	7.62E-01
1.22	4	21	7.59E-01
.	3	4	2.94E-01
0.37	3	24	3.87E-01
0.26	16	109	2.09E-01
0.77	3	16	3.59E-01
5.45	2	4	4.04E-01
2.59	23	80	3.33E-01
0.60	10	57	7.52E-01
4.83	8	12	9.63E-02
1.20	12	47	3.56E-01
1.94	4	15	7.30E-01
0.51	26	127	9.43E-01
.	1	13	7.61E-01
.	4	16	6.65E-01
0.83	32	136	4.18E-01
0.78	53	292	9.95E-01
.	12	60	8.11E-01

.	3	5	8.53E-02
0.87	18	66	3.09E-01
1.61	15	66	7.46E-01
1.91	14	62	4.96E-01
3.18	61	235	1.07E-01
0.89	3	15	8.25E-01
0.20	1	15	7.02E-01
0.86	4	11	9.91E-02
1.99	4	17	4.47E-01
2.53	116	478	7.07E-01
0.14	0	14	1.85E-01
0.18	0	15	4.73E-01
3.18	13	72	1.44E-01
1.48	14	59	4.28E-01
1.02	3	27	1.69E-01
2.50	34	157	4.89E-01
0.22	31	171	9.99E-01
0.27	5	18	6.02E-01
15.71	8	28	4.75E-01
0.82	36	188	2.95E-01
2.16	16	35	7.29E-01
1.09	18	102	9.03E-01
1.90	6	25	3.76E-01
0.63	7	50	5.22E-01
0.83	9	77	7.51E-02
0.24	2	34	9.09E-01
.	35	161	2.99E-01
1.16	1	10	7.84E-01
.	3	12	8.33E-02
.	29	137	5.34E-01
1.70	13	45	1.35E-02
.	4	26	8.20E-01
0.69	86	365	9.62E-01
4.05	3	6	1.51E-01
0.76	11	53	9.99E-01
0.85	15	68	8.66E-01
0.67	80	392	1.00E+00
2.24	8	12	3.71E-02
0.99	33	141	1.00E+00
.	10	28	1.53E-01
1.84	19	56	4.86E-01

.	3	10	7.71E-02
0.10	58	218	3.87E-01
0.59	12	78	3.33E-02
0.36	26	91	6.29E-01
1.09	10	39	9.99E-01
1.40	13	35	4.62E-01
.	1	8	1.48E-01
7.38	5	25	4.64E-01
1.29	111	449	8.43E-01
.	40	211	4.93E-01
0.48	8	45	7.15E-01
.	1	6	8.74E-01
0.42	16	87	9.43E-01
.	1	10	6.69E-02
0.34	12	72	9.04E-01
0.34	2	10	3.10E-01
0.43	2	25	8.28E-01
4.65	2	5	3.54E-01
1.83	1	6	7.99E-01
.	14	80	5.71E-01
0.49	3	36	1.70E-01
.	8	33	8.56E-01
0.52	4	27	3.06E-01
.	46	235	3.58E-01
.	1	6	7.80E-01
0.68	2	7	9.15E-01
1.11	4	21	7.62E-01
1.64	6	42	7.99E-01
1.63	3	9	8.23E-01
2.02	53	186	1.64E-01
2.98	10	26	9.23E-01
1.52	74	331	9.96E-01
4.64	49	204	9.20E-01
.	21	97	4.89E-01
.	9	77	1.55E-02
.	10	32	5.29E-02
1.37	15	69	8.77E-01
1.43	57	221	9.57E-01
2.58	5	9	5.62E-01
0.48	1	11	6.92E-01
1.57	16	70	8.06E-01

2.23	7	20	2.75E-01
0.94	3	22	9.40E-01
0.93	31	124	7.89E-01
0.28	33	143	8.59E-01
0.95	23	142	1.52E-01
1.92	3	9	4.18E-01
1.37	70	340	6.12E-01
.	2	23	1.00E-01
2.61	2	7	5.56E-01
1.15	2	8	5.28E-01
1.00	16	70	7.05E-01
1.69	6	15	6.26E-01
.	3	5	3.03E-01
.	5	20	1.38E-01
0.87	8	34	1.84E-01
2.00	15	78	5.20E-01
.	24	78	9.14E-01
1.02	8	53	4.29E-01
0.25	18	96	9.93E-01
.	1	5	8.40E-01
0.61	11	83	4.01E-01
.	1	8	1.60E-01
.	6	40	5.35E-02
1.92	40	201	6.23E-01
1.04	3	8	6.79E-01
3.32	14	45	8.65E-02
9.24	5	10	3.88E-01
0.16	0	20	5.37E-01
5.93	1	4	5.79E-02
.	2	6	5.56E-01
0.26	1	19	4.87E-02
1.53	21	113	9.05E-01
.	3	10	1.19E-01
1.46	25	121	9.54E-01
0.53	4	15	1.25E-01
1.03	0	6	6.67E-01
6.94	15	28	1.44E-01
0.60	4	21	2.70E-01
1.34	3	19	1.78E-01
.	36	115	8.76E-01
0.52	4	24	8.36E-01

.	5	12	8.80E-01
0.60	3	5	7.31E-01
.	7	16	3.54E-01
.	29	143	9.20E-01
0.79	114	381	2.51E-01
.	3	5	3.75E-01
1.75	68	290	9.34E-01
1.14	2	11	9.01E-01
1.52	32	142	4.17E-01
2.40	2	6	4.55E-02
.	1	20	4.59E-01
3.30	34	150	1.00E+00
0.33	29	141	7.82E-01
.	0	5	7.59E-01
3.00	6	12	5.67E-02
0.81	5	18	6.22E-01
.	21	122	1.80E-01
4.87	3	7	1.93E-01
.	1	7	1.04E-01
0.67	65	383	8.79E-01
1.22	18	77	9.99E-01
0.72	8	29	9.65E-01
1.42	25	101	7.23E-01
.	1	4	7.90E-01
.	4	14	5.30E-01
1.10	3	26	8.81E-01
.	98	372	6.37E-01
1.38	80	384	9.40E-01
.	2	12	3.45E-01
2.47	54	258	7.61E-01
.	51	220	8.74E-01
.	6	8	2.99E-01
3.30	10	28	2.66E-01
.	8	45	3.47E-01
.	3	19	7.64E-01
0.92	14	85	5.98E-02
.	14	67	2.81E-01
.	65	257	1.00E+00
.	66	305	4.19E-01
3.50	3	5	2.99E-01
.	58	278	1.00E+00

0.37	4	32	1.67E-01
1.06	34	111	5.26E-01
.	7	20	7.26E-01
.	34	158	7.67E-01
.	0	9	4.30E-01
.	11	86	4.09E-01
0.45	1	16	7.11E-01
0.17	19	129	4.57E-01
2.04	4	30	8.01E-02
.	44	160	4.99E-01
1.10	2	3	2.56E-01
.	2	3	1.76E-01
2.52	3	4	3.31E-01
.	0	6	7.04E-01
.	1	9	7.87E-01
0.94	3	16	9.63E-01
0.51	5	42	7.68E-01
0.51	1	6	3.77E-01
1.49	33	132	8.92E-01
.	17	47	2.99E-02
2.01	26	103	7.19E-02
1.08	4	33	2.43E-01
1.13	4	17	3.39E-01
2.58	1	7	1.97E-01
0.86	11	49	1.00E+00
0.75	41	197	1.99E-01
3.33	37	107	5.97E-01
1.62	41	139	2.59E-01
1.22	102	458	3.79E-01
0.95	2	24	8.71E-01
1.02	9	43	8.59E-01
0.95	126	505	9.02E-01
0.83	3	10	3.51E-01
1.91	18	48	1.17E-01
1.45	6	18	8.98E-01
.	2	6	1.00E-01
.	5	16	3.51E-01
.	49	233	5.63E-01
1.58	93	417	1.52E-01
0.60	3	22	9.13E-01
0.14	41	224	8.02E-01

0.48	9	39	1.11E-01
.	5	13	3.41E-01
.	13	77	1.01E-01
1.30	12	40	5.00E-01
1.34	24	128	6.90E-01
0.67	16	65	9.98E-01
.	6	22	9.12E-01
0.26	5	35	3.47E-01
2.18	79	311	8.30E-01
2.01	80	300	3.83E-02
.	3	18	8.68E-01
1.77	2	16	8.19E-01
.	2	7	9.26E-01
0.40	6	26	3.41E-01
.	2	7	4.57E-01
0.39	92	465	9.11E-01
0.21	57	238	8.15E-01
1.12	49	202	5.56E-01
.	9	49	7.41E-01
.	2	15	5.42E-01
.	2	3	5.12E-01
0.64	45	190	8.35E-01
2.33	18	93	5.04E-01
.	12	50	9.93E-01
2.49	20	70	6.35E-01
1.83	4	37	5.11E-01
1.25	4	11	3.50E-01
.	4	9	5.53E-01
.	1	4	1.48E-01
.	2	10	4.56E-01
0.78	13	48	4.54E-01
1.82	119	559	8.37E-01
.	2	7	9.01E-01
.	17	105	8.93E-01
0.76	7	38	4.18E-01
0.96	12	72	2.97E-01
0.38	28	118	8.82E-01
1.22	6	25	8.44E-01
.	4	9	3.38E-01
.	33	132	1.00E+00
4.83	6	15	8.60E-02

.	1	4	4.04E-01
0.70	114	463	5.08E-01
2.55	3	11	5.60E-01
10.43	3	4	1.56E-02
1.84	4	26	8.92E-01
1.05	1	13	8.78E-01
.	2	3	4.49E-01
0.40	50	206	9.99E-01
.	3	16	9.01E-01
1.63	23	107	9.89E-01
.	14	52	7.38E-01
1.39	4	18	9.61E-01
1.90	22	89	2.46E-01
1.72	5	19	2.23E-01
0.52	3	19	4.33E-01
.	2	10	1.60E-01
0.95	18	81	1.62E-01
0.68	6	25	4.71E-01
1.27	7	41	1.24E-01
0.89	9	56	7.49E-01
0.56	4	21	5.09E-01
5.70	1	7	8.79E-02
.	0	5	4.91E-01
1.52	1	6	1.98E-01
1.45	58	168	1.22E-01
1.46	1	5	8.32E-01
0.40	5	44	3.01E-01
0.65	25	95	2.35E-01
0.46	0	6	7.86E-01
0.47	44	234	5.59E-01
0.54	49	296	2.51E-01
.	3	11	3.47E-01
1.87	2	21	2.65E-01
0.99	4	12	6.31E-01
4.59	6	4	1.59E-02
.	42	199	8.99E-01
0.35	7	36	4.29E-01
3.64	8	22	6.50E-01
1.99	12	50	6.95E-01
1.81	2	14	5.14E-01
.	1	6	5.02E-01

.	2	5	4.50E-02
1.85	33	114	9.59E-01
0.46	2	22	7.74E-01
0.34	4	35	2.01E-01
1.97	11	25	3.60E-01
1.08	2	9	8.46E-01
0.63	4	36	7.34E-01
1.90	3	34	4.03E-01
3.17	150	655	8.48E-01
1.23	86	347	1.00E+00
0.98	10	43	9.23E-01
0.54	61	302	8.33E-01
.	85	383	9.70E-01
.	20	74	4.01E-01
.	1	4	7.54E-01
5.13	11	28	2.90E-01
.	5	9	2.06E-01
.	0	6	6.68E-01
.	18	81	5.63E-01
6.17	5	9	1.74E-01
1.66	3	14	7.99E-01
2.00	33	104	7.69E-01
.	6	60	7.32E-02
2.19	22	114	5.01E-01
0.82	2	17	6.66E-01
1.05	4	13	8.18E-01
.	15	63	9.97E-01
1.31	90	335	8.13E-01
0.94	6	24	9.58E-01
1.88	6	20	1.86E-01
0.59	23	121	8.03E-01
0.56	3	9	4.66E-01
.	2	16	8.95E-01
.	5	17	6.79E-01
.	31	104	7.59E-01
1.76	9	77	1.49E-01
1.38	1	6	8.08E-01
0.80	65	300	6.06E-01
0.98	17	82	9.43E-01
.	40	229	4.50E-01
0.71	60	188	6.14E-01

.	6	23	6.61E-01
0.52	6	51	4.28E-01
.	2	14	2.06E-01
0.86	31	133	9.99E-01
0.57	6	26	6.49E-01
.	22	73	1.52E-01
2.06	5	19	2.43E-01
0.63	57	254	6.01E-01
1.80	3	14	5.88E-01
3.38	10	31	4.00E-01
0.98	13	57	7.80E-01
.	27	101	3.77E-01
0.95	5	22	7.42E-02
.	2	4	5.63E-01
0.46	8	73	1.87E-01
1.48	4	37	9.20E-01
.	0	6	6.79E-01
1.64	26	101	9.92E-01
1.49	20	118	2.13E-01
4.94	8	17	2.89E-01
1.74	102	408	4.02E-01
0.70	4	19	2.12E-01
0.45	1	11	7.66E-01
1.25	43	153	4.12E-01
0.27	10	46	3.35E-01
.	21	86	2.56E-01
0.68	55	217	7.29E-01
.	0	5	7.42E-01
0.60	4	24	2.75E-01
4.31	6	8	2.07E-02
.	25	138	7.01E-01
0.88	9	40	6.23E-01
.	3	9	8.30E-01
.	2	7	7.30E-01
0.38	4	11	4.10E-01
0.83	22	115	9.36E-01
.	6	26	8.43E-01
.	3	15	6.89E-01
3.65	6	22	3.10E-01
1.51	2	15	3.13E-01
0.45	2	16	8.28E-01

0.93	89	325	7.61E-01
0.58	12	78	5.27E-01
.	10	44	7.00E-01
3.54	6	13	1.67E-02
0.44	14	65	9.98E-01
0.98	48	161	7.22E-02
0.88	9	37	4.19E-01
.	1	6	3.16E-01
.	4	6	3.34E-01
0.47	17	89	6.66E-01
0.56	13	57	3.42E-01
.	17	55	8.85E-01
.	4	7	3.79E-01
1.45	275	1141	8.21E-01
0.44	5	27	8.25E-01
2.69	4	11	3.85E-01
2.00	1	12	1.57E-01
0.44	4	7	3.06E-02
.	15	97	8.67E-01
1.73	63	228	9.34E-01
0.19	4	9	5.36E-01
.	10	41	6.36E-01
.	6	13	2.10E-01
1.03	5	32	1.95E-01
0.98	41	197	7.75E-01
3.19	90	396	1.00E+00
.	1	4	8.89E-01
1.33	12	32	4.18E-01
0.39	12	65	9.09E-01
.	1	5	1.72E-02
.	3	11	2.43E-01
.	0	9	9.29E-01
.	3	6	4.71E-01
.	1	5	4.11E-01
.	11	58	5.82E-01
.	33	167	5.95E-01
.	2	4	5.19E-01
0.58	46	201	4.57E-01
.	36	170	1.00E+00
3.17	5	23	5.26E-01
1.69	8	41	3.02E-01

9.44	6	31	2.05E-01
0.31	11	84	8.80E-01
1.45	7	19	2.36E-01
0.88	24	113	2.71E-01
0.35	17	103	2.19E-01
0.82	297	1308	9.74E-01
.	5	28	1.47E-01
.	23	92	9.38E-01
.	84	343	9.68E-01
1.52	2	4	6.90E-01
1.86	85	401	7.26E-01
1.94	120	545	9.24E-01
0.95	15	94	1.66E-01
6.32	3	5	8.54E-02
.	0	6	4.11E-01
.	2	7	3.90E-01
2.52	30	139	8.27E-01
.	8	28	7.57E-01
4.09	8	11	2.47E-01
2.03	32	115	1.11E-01
1.20	0	13	7.42E-01
.	2	11	4.11E-01
0.80	7	44	9.56E-01
.	13	40	6.39E-01
0.35	1	15	9.32E-01
6.82	28	125	3.03E-01
0.46	8	56	7.02E-01
1.17	101	423	1.00E+00
2.23	11	52	3.31E-01
.	2	12	9.13E-01
.	1	21	1.46E-01
1.58	2	12	2.87E-01
.	4	20	6.12E-01
.	32	184	2.63E-01
1.43	4	19	3.18E-01
2.22	5	6	2.63E-01
1.84	2	13	4.89E-01
.	3	10	8.06E-01
1.00	30	96	8.57E-01
1.50	104	467	4.81E-01
0.45	17	104	8.76E-01

1.94	53	188	2.28E-01
3.88	32	93	8.06E-01
1.06	5	18	8.01E-01
0.11	4	21	4.01E-01
0.91	4	39	9.99E-01
8.02	2	4	5.07E-02
1.36	22	68	5.67E-01
.	2	12	1.96E-01
1.87	14	54	6.53E-01
.	1	5	6.78E-01
0.76	75	402	8.59E-01
1.49	51	273	6.64E-01
.	3	2	8.59E-01
0.86	10	41	4.41E-01
1.12	2	16	3.71E-01
3.99	24	146	1.55E-01
.	24	103	7.28E-01
1.29	0	11	8.49E-01
4.47	31	138	8.83E-01
1.35	39	148	5.00E-01
1.14	7	42	8.23E-01
0.99	16	53	7.47E-02
0.44	4	35	3.54E-01
0.20	1	11	5.36E-01
0.87	61	213	9.53E-01
5.69	4	6	1.95E-02
0.52	5	19	1.00E+00
0.36	5	36	6.15E-01
.	1	4	3.63E-01
.	5	12	9.74E-03
2.52	4	30	1.72E-01
2.10	51	178	8.58E-02
2.62	9	29	7.12E-01
.	31	143	8.90E-01
0.42	117	517	1.00E+00
.	5	28	8.60E-01
.	49	202	7.96E-01
.	35	221	4.88E-01
0.94	2	4	8.61E-01
1.29	23	107	9.88E-01
1.80	33	117	2.42E-01

0.63	20	79	9.44E-01
1.07	68	332	9.56E-01
.	0	5	7.77E-01
3.87	6	29	2.94E-01
2.51	4	11	1.66E-01
.	38	164	9.14E-01
.	1	5	5.18E-01
.	3	12	6.46E-02
.	6	26	5.28E-01
1.12	4	37	6.82E-01
0.34	1	20	4.75E-01
0.43	4	20	3.08E-01
.	7	36	9.59E-01
.	52	297	2.54E-01
.	2	12	4.61E-01
2.46	67	345	3.37E-01
2.54	2	4	1.07E-01
1.20	18	54	5.04E-01
0.40	9	65	2.08E-01
0.76	6	66	3.23E-01
1.50	7	32	8.05E-01
1.04	7	36	8.04E-01
.	2	10	6.31E-01
.	10	42	9.13E-01
0.81	3	11	1.24E-01
.	8	31	3.52E-01
2.57	5	23	6.58E-01
1.84	51	163	9.08E-01
10.55	7	28	8.66E-02
0.32	77	331	4.22E-01
.	17	53	4.93E-01
1.12	6	31	6.55E-01
.	43	146	2.29E-01
.	10	34	4.95E-01
1.99	3	19	4.29E-01
1.32	50	290	3.80E-01
0.71	27	116	9.23E-01
.	14	52	9.04E-01
.	45	217	5.80E-01
.	12	71	3.10E-01
.	1	7	2.03E-01

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.	38	107	5.73E-02
0.71	0	8	7.47E-01
0.72	10	67	4.14E-01
2.28	16	29	2.24E-02
0.65	3	18	6.86E-01
.	1	4	7.46E-01
1.90	4	11	4.12E-02
2.03	8	24	3.28E-01
.	2	19	7.77E-01
2.30	18	55	2.47E-02
1.02	5	28	4.90E-01
0.99	13	52	9.67E-01
0.72	6	16	2.37E-01
4.37	2	8	1.01E-01
0.98	1	8	4.42E-01
.	4	6	3.56E-01
.	8	31	5.75E-01
1.22	6	26	9.27E-01
0.99	11	49	6.56E-01
.	4	18	4.45E-01
.	11	85	2.16E-01
1.64	6	24	7.72E-01
1.92	58	247	4.30E-01
0.67	44	165	5.30E-01
7.96	8	11	1.48E-01
0.63	1	10	9.32E-01
3.01	5	11	3.19E-01
1.45	9	28	8.41E-02
0.35	38	192	3.30E-01
.	0	9	9.46E-01
.	55	179	3.80E-01
0.34	1	9	3.85E-01
.	5	23	4.49E-01
.	59	208	8.80E-01
0.65	14	68	1.00E+00
1.77	12	35	2.46E-01
0.74	72	290	3.05E-01
6.65	3	6	2.90E-02
.	1	4	1.83E-01
.	41	217	1.29E-01
.	2	12	5.69E-01

2.04	8	53	1.24E-01
0.89	48	221	7.73E-01
1.62	24	53	3.33E-01
0.19	0	11	3.38E-01
0.40	1	11	6.84E-01
0.73	19	119	6.69E-01
0.95	9	49	5.94E-01
0.24	1	19	8.13E-02
2.41	1	6	3.75E-01
3.54	19	110	6.80E-01
1.39	11	23	1.41E-01
.	31	123	5.64E-01
.	8	37	4.47E-01
0.90	0	8	7.05E-01
0.86	12	40	6.29E-01
.	3	20	9.85E-01
1.48	16	53	2.21E-01
5.15	4	16	1.76E-01
0.60	2	34	5.60E-01
.	2	5	2.47E-01
0.59	24	122	9.61E-01
.	2	6	4.92E-01
.	0	5	7.47E-01
.	3	10	2.12E-01
0.17	49	261	2.68E-02
.	1	7	2.76E-01
.	21	132	2.20E-01
.	84	375	9.99E-01
1.28	3	16	3.91E-01
.	12	49	4.43E-01
.	22	107	8.14E-01
0.61	2	14	6.67E-01
3.02	43	3	3.73E-03
1.41	30	6	1.02E-01
4.31	2	5	1.32E-01
.	5	20	7.64E-01
0.94	1	8	7.90E-01
.	12	31	5.19E-01
0.61	39	174	8.00E-01
.	9	10	5.82E-02
1.19	17	57	8.88E-01

5.31	4	31	5.18E-01
.	2	17	4.94E-01
0.74	24	101	3.90E-01
1.11	61	319	4.63E-01
7.73	5	3	7.70E-02
1.15	61	212	2.14E-01
1.12	53	290	2.23E-02
1.68	12	40	2.94E-01
.	4	16	7.48E-01
2.33	5	14	5.54E-01
2.92	126	465	4.45E-01
2.11	4	10	2.49E-01
0.98	12	65	9.98E-01
0.95	5	25	9.64E-01
1.12	24	90	5.06E-01
0.92	8	31	3.14E-01
3.88	34	99	4.22E-02
0.42	2	11	9.40E-01
.	4	10	5.11E-01
.	12	99	1.17E-01
.	1	17	4.23E-01
0.62	20	72	8.63E-01
2.34	2	16	4.95E-01
2.12	24	85	3.60E-01
0.24	165	761	9.84E-01
1.61	17	75	8.64E-01
0.60	69	382	1.00E+00
0.94	66	331	5.25E-01
0.86	49	251	8.61E-01
1.05	73	353	1.00E+00
6.15	35	169	9.82E-01
.	2	7	9.34E-01
.	6	14	4.88E-01
.	1	5	5.83E-01
2.24	11	50	7.98E-01
.	14	54	9.50E-01
0.56	9	45	7.25E-01
0.79	30	135	1.00E+00
2.46	43	156	5.95E-01
0.39	8	38	8.93E-01
1.05	7	51	4.52E-01

3.61	105	347	1.69E-01
0.42	1	12	9.12E-01
1.04	15	39	2.76E-02
.	0	5	6.95E-01
0.86	25	135	9.84E-01
0.79	46	254	9.87E-01
.	5	11	6.45E-01
.	9	18	1.79E-01
1.26	33	115	2.88E-02
.	2	7	1.40E-01
2.48	17	41	2.04E-01
0.79	19	86	9.05E-01
.	62	345	1.70E-01
0.77	102	452	9.94E-01
2.03	25	93	7.14E-01
3.35	6	22	1.32E-01
0.42	4	33	5.50E-01
2.28	7	48	2.24E-01
3.12	193	840	4.54E-01
.	2	6	1.65E-01
.	8	50	5.81E-01
1.29	3	5	4.68E-02
.	7	34	7.28E-01
2.99	2	4	5.31E-01
1.27	1	4	8.86E-01
1.20	2	14	9.13E-01
1.78	2	7	3.73E-01
0.56	4	37	6.73E-01
0.67	12	72	8.65E-01
0.94	18	72	8.59E-01
.	0	7	2.22E-01
.	0	9	7.50E-01
.	12	42	4.86E-01
.	7	17	9.13E-01
2.58	11	39	8.37E-01
2.76	16	83	5.35E-01
.	3	21	1.90E-02
2.53	28	86	2.26E-01
0.38	1	12	9.71E-01
1.08	63	313	9.99E-01
1.06	100	442	1.00E+00

ACCEPTED MANUSCRIPT

0.47	56	272	1.00E+00
3.97	9	54	1.13E-01
1.67	9	41	3.88E-01
0.83	9	38	4.36E-01
3.27	10	21	4.97E-01
7.34	6	15	2.90E-01
0.71	148	744	9.64E-01
.	6	27	2.65E-01
1.15	52	211	5.63E-01
2.21	5	22	8.82E-01
0.05	0	7	2.03E-01
.	3	5	6.99E-02
3.13	12	30	3.41E-01
.	16	53	2.57E-01
5.35	2	4	2.01E-01
0.81	70	318	1.00E+00
.	23	82	4.55E-01
.	3	19	6.08E-01
.	19	61	3.81E-01
2.66	3	10	1.94E-01
1.33	13	64	1.00E+00
1.11	44	251	4.35E-01
.	3	11	5.34E-01
0.07	3	13	5.29E-01
2.97	8	46	5.27E-01
1.59	101	470	5.60E-01
0.27	3	17	1.53E-01
.	12	46	7.83E-01
.	34	142	8.08E-01
.	67	290	3.26E-01
2.17	8	39	6.85E-01
.	21	65	6.49E-01
0.68	7	62	7.06E-01
0.73	9	40	7.35E-01
.	2	3	8.09E-01
0.85	2	7	8.43E-01
.	2	8	7.31E-02
.	0	9	4.11E-01
.	78	361	9.73E-01
0.49	2	15	6.87E-01
1.97	3	11	5.47E-01

0.41	0	6	7.92E-01
0.73	2	9	6.93E-01
.	2	10	4.13E-01
.	1	8	8.06E-01
.	0	5	6.84E-01
0.70	116	534	6.72E-01
.	100	353	7.28E-01
1.57	106	400	5.43E-01
.	145	538	5.54E-01
3.98	3	8	5.64E-02
0.52	2	27	3.42E-01
1.09	86	337	5.78E-01
0.87	31	168	4.42E-01
3.98	50	181	7.07E-02
1.24	28	121	7.99E-01
0.54	79	340	1.54E-01
1.84	38	176	6.13E-01
.	1	11	9.04E-01
1.37	3	11	6.87E-01
.	3	6	1.59E-01
0.92	151	628	6.78E-01
2.69	5	8	1.30E-01
0.65	1	13	8.75E-01
.	0	9	3.84E-01
2.41	14	70	1.91E-01
0.96	2	9	3.83E-02
1.44	3	10	2.05E-01
.	22	88	5.19E-02
0.46	4	6	1.47E-01
1.05	6	13	4.44E-01
.	76	378	9.73E-01
.	1	7	7.83E-01
0.39	72	373	9.99E-01
0.34	79	301	3.68E-01
.	2	11	9.12E-01
0.68	6	37	9.61E-01
.	1	9	3.54E-01
.	3	2	5.52E-01
0.35	0	15	7.33E-01
3.53	8	17	5.63E-02
0.59	34	136	6.56E-01

.	1	19	3.61E-01
0.99	3	17	1.73E-01
2.21	3	15	6.70E-01
0.75	25	155	7.99E-01
0.35	0	8	8.31E-01
.	2	8	9.52E-02
1.43	19	96	9.40E-01
.	20	130	3.25E-01
1.57	4	8	3.63E-01
.	4	9	5.48E-01
.	68	335	9.58E-01
.	0	6	7.91E-01
.	3	24	8.93E-01
.	2	5	4.01E-01
0.49	2	12	6.13E-01
0.44	1	13	7.04E-01
.	0	8	8.31E-01
0.90	7	19	6.80E-01
2.28	8	26	1.43E-01
.	3	26	8.79E-02
2.34	7	29	6.32E-01
1.48	30	157	7.39E-01
1.90	25	87	1.07E-01
1.61	4	20	5.94E-01
.	1	5	7.85E-01
2.47	15	78	8.88E-01
4.49	4	12	3.44E-01
.	2	5	5.39E-01
5.44	3	9	1.79E-01
.	3	4	1.04E-01
0.33	0	9	2.39E-01
3.15	2	4	4.04E-01
1.59	1	4	5.02E-01
3.45	0	5	5.60E-01
3.13	12	62	3.03E-02
1.10	2	11	5.39E-01
0.51	1	11	6.71E-01
0.25	3	11	5.97E-01
0.16	0	15	4.84E-01
0.86	2	3	8.75E-01
1.23	1	4	8.25E-01

1.03	38	146	9.86E-01
2.55	7	12	7.73E-03
0.57	1	12	5.73E-01
1.07	2	9	4.90E-01
.	0	16	4.88E-01
0.27	0	5	8.39E-01
4.21	14	66	5.83E-01
.	0	6	2.14E-01
0.46	1	5	2.83E-01
.	1	20	1.77E-01
3.24	4	4	1.87E-01
0.15	1	6	6.30E-02
0.48	23	88	7.53E-01
.	0	5	7.59E-01
2.08	2	10	6.99E-02
2.34	5	7	2.40E-01
1.21	1	5	2.09E-01
.	14	68	7.54E-01
0.45	1	8	6.12E-01
.	10	36	8.93E-01
0.76	2	9	2.02E-01
1.84	19	84	4.97E-01
1.19	2	17	9.28E-01
1.68	2	5	5.10E-01
0.63	15	41	1.14E-01
0.81	2	9	3.05E-01
0.32	92	409	9.39E-01
0.60	171	727	9.76E-01
2.20	15	84	9.10E-01
0.67	25	106	5.93E-01
1.89	54	245	9.80E-01
0.93	9	53	1.37E-01
1.22	4	12	5.93E-01
1.25	23	103	9.52E-01
.	6	20	7.73E-01
0.72	121	555	1.00E+00
.	5	10	4.05E-01
.	36	191	2.71E-01
.	15	59	9.08E-01
.	1	7	5.17E-01
.	16	82	9.26E-01

0.62	17	94	2.90E-02
.	1	6	5.42E-01
0.24	1	7	7.06E-02
3.27	82	336	9.32E-01
1.10	116	471	1.00E+00
1.87	32	256	1.19E-01
4.80	7	11	4.17E-01
.	4	7	2.52E-01
0.07	7	99	2.52E-02
.	3	18	6.47E-01
0.63	21	87	4.25E-01
2.39	14	56	2.67E-01
3.14	10	57	2.24E-01
0.78	61	256	9.38E-01
0.55	3	17	5.56E-01
.	1	6	3.36E-01
0.27	2	14	8.54E-01
0.97	1	6	2.71E-01
0.92	16	78	8.46E-01
1.62	4	11	7.35E-01
.	1	6	1.37E-01
1.39	65	286	9.26E-01
0.43	47	235	2.70E-01
0.88	13	49	1.91E-01
0.58	15	52	2.33E-01
1.67	83	380	7.12E-01
1.96	4	14	1.82E-01
.	2	14	4.66E-01
0.39	1	5	4.51E-01
1.00	2	11	8.49E-01
0.66	1	8	8.20E-01
1.39	17	87	6.51E-01
4.67	6	14	1.60E-01
0.41	3	14	3.09E-01
1.50	2	11	6.00E-01
.	28	121	1.11E-01
.	12	45	3.49E-01
.	1	6	9.04E-01
.	5	6	7.03E-02
0.42	32	107	3.30E-01
0.95	5	17	1.78E-01

4.82	3	10	2.87E-01
1.64	16	55	8.72E-01
.	9	52	5.67E-01
.	58	213	6.44E-01
1.22	52	243	6.27E-01
.	7	27	9.89E-01
1.15	2	11	9.31E-01
.	2	4	3.66E-02
2.58	13	43	6.15E-01
0.05	0	12	9.98E-02
0.09	0	9	5.79E-02
1.16	2	8	8.70E-01
1.45	1	6	5.54E-01
.	80	307	2.30E-01
3.14	12	55	1.74E-01
1.01	560	2541	9.03E-01
0.78	20	94	8.78E-01
4.39	3	9	1.49E-01
.	1	5	1.93E-01
.	17	88	8.63E-01
.	11	45	7.39E-01
1.14	4	21	8.01E-01
.	5	17	8.13E-01
.	0	19	1.68E-03
.	80	351	1.00E+00
7.73	5	12	1.82E-01
1.58	3	8	2.55E-02
0.66	28	150	1.00E+00
.	4	32	2.42E-01
2.53	132	571	1.64E-01
2.29	90	392	9.08E-01
.	3	5	3.39E-02
0.46	3	10	8.80E-01
0.67	8	26	5.66E-01
2.52	14	40	7.69E-02
.	1	4	7.51E-01
.	2	15	3.91E-01
4.13	22	73	2.98E-01
0.73	6	30	4.33E-01
0.60	289	1345	8.45E-01
1.74	2	17	4.04E-01

.	11	48	4.21E-01
.	68	311	2.38E-01
.	0	5	6.75E-01
1.93	66	277	1.00E+00
.	2	14	8.44E-01
.	11	45	1.00E+00
1.42	27	59	8.46E-01
1.88	98	369	9.15E-01
1.61	24	133	5.11E-01
2.50	108	498	1.00E+00
.	0	5	7.54E-01
3.79	4	54	4.13E-01
.	0	5	8.55E-01
.	21	124	9.08E-01
1.13	25	87	9.99E-01
0.35	10	62	7.95E-01
0.31	0	7	5.07E-01
1.87	17	88	7.67E-01
1.12	4	27	9.35E-01
0.71	2	11	7.68E-01
1.52	10	41	7.64E-01
1.72	49	212	7.54E-01
.	1	10	5.56E-01
.	76	335	9.96E-01
1.37	1	12	9.05E-01
.	0	7	7.79E-01
2.86	32	122	8.36E-01
.	7	24	9.16E-01
2.21	81	348	9.83E-01
.	8	13	1.01E-01
.	2	5	3.57E-01
.	1	7	4.90E-01
.	38	128	6.96E-01
1.98	42	141	8.95E-01
.	4	4	4.42E-01
1.85	8	20	2.59E-01
0.54	62	273	9.96E-01
1.64	15	37	5.87E-01
0.93	9	47	9.60E-01
0.40	1	15	8.26E-01
.	2	6	2.82E-01

0.39	74	381	7.41E-01
.	13	58	2.60E-01
.	0	10	8.24E-01
1.01	75	361	8.31E-01
1.38	13	35	9.64E-01
.	3	6	4.26E-01
.	1	5	6.02E-01
0.09	0	9	2.30E-01
.	4	20	6.18E-01
.	62	296	8.32E-01
.	0	6	7.79E-01
.	1	4	7.16E-01
.	0	5	6.43E-01
2.35	4	16	5.17E-02
0.60	35	135	7.61E-01
.	104	337	9.79E-01
0.79	71	411	2.73E-01
1.29	54	312	1.00E+00
2.37	9	21	4.02E-01
1.51	6	18	9.07E-01
0.97	12	57	5.01E-01
.	14	45	6.31E-01
0.27	2	25	5.83E-01
0.51	3	18	8.93E-01
1.62	2	5	3.29E-01
2.60	20	42	1.08E-01
0.65	9	28	1.00E+00
0.41	11	39	2.16E-01
.	3	11	3.43E-01
.	58	309	9.97E-01
1.65	5	14	5.57E-01
.	1	23	5.45E-01
.	24	118	7.84E-01
.	0	13	9.22E-01
.	70	361	7.83E-02
.	4	9	4.96E-02
1.79	3	11	1.31E-01
1.41	22	77	7.44E-01
1.26	35	113	9.99E-01
0.93	215	919	4.41E-01
0.88	36	166	4.77E-01

1.98	1	11	6.89E-01
0.69	3	18	6.78E-01
0.63	4	11	3.12E-01
2.58	13	64	2.72E-01
.	2	19	8.23E-01
.	11	61	5.84E-01
3.71	62	305	6.47E-01
1.32	2	15	8.83E-01
1.31	7	25	2.83E-01
0.46	7	24	9.98E-01
1.24	7	39	9.22E-01
1.10	29	133	4.77E-01
1.04	1	8	8.40E-01
1.54	21	55	9.28E-01
1.99	1	9	6.64E-01
.	11	63	5.37E-01
0.77	38	140	6.97E-01
1.19	15	40	5.06E-01
.	4	8	1.27E-01
.	17	81	7.28E-01
3.13	40	157	5.25E-01
.	0	5	7.83E-01
.	2	6	7.39E-01
0.72	8	21	3.33E-01
.	7	43	6.01E-01
1.36	0	20	8.15E-01
.	4	8	7.41E-01
.	2	4	8.62E-01
0.66	14	78	5.02E-01
1.04	197	769	1.00E+00
1.10	26	84	7.51E-01
.	16	63	9.31E-01
.	28	96	2.07E-01
.	42	213	4.65E-01
0.83	157	665	9.48E-01
0.84	93	373	1.00E+00
2.09	14	37	7.95E-02
1.00	189	770	8.96E-01
.	1	16	5.88E-01
0.45	19	113	9.04E-01
.	55	240	6.01E-01

.	15	49	3.30E-01
4.36	6	24	8.27E-01
0.78	17	91	6.36E-01
1.06	2	18	6.75E-01
1.32	3	18	6.71E-01
.	5	27	8.27E-01
4.02	8	25	7.07E-01
1.19	105	489	8.65E-01
2.48	3	7	7.56E-01
1.50	20	88	7.93E-01
.	1	6	2.61E-01
.	14	36	8.05E-01
.	37	131	5.39E-01
8.88	14	50	8.60E-01
1.22	2	14	3.99E-01
0.81	55	222	8.25E-01
.	6	11	3.07E-01
0.29	29	108	7.13E-01
.	34	78	1.79E-01
.	3	12	7.28E-01
.	33	119	8.72E-01
0.83	20	70	5.61E-01
0.92	35	131	1.00E+00
.	0	6	4.38E-01
.	3	4	2.19E-02
1.93	6	22	9.13E-01
3.10	97	415	3.26E-01
1.26	1	9	9.13E-01
1.10	1	6	8.32E-02
0.06	0	12	4.36E-01
.	2	12	8.46E-01
.	168	771	4.41E-01
1.92	10	61	6.96E-01
.	11	26	2.06E-01
1.28	61	219	7.06E-01
0.90	26	134	9.99E-01
.	22	107	1.44E-01
.	15	62	5.80E-01
.	2	4	2.13E-01
.	1	4	2.95E-01
.	5	31	6.54E-01

.	10	73	7.20E-01
.	0	6	1.71E-01
.	6	17	7.30E-01
.	10	30	5.06E-01
.	69	285	4.73E-01
1.14	9	44	6.63E-01
.	3	6	3.88E-01
1.99	22	91	6.82E-01
.	15	50	7.93E-01
.	2	10	3.57E-01
2.02	2	9	8.39E-01
1.60	10	53	5.97E-01
0.53	3	17	2.87E-01
.	2	4	4.04E-01
0.51	15	106	7.51E-01
.	2	15	3.16E-01
.	4	8	3.32E-01
0.49	39	141	3.02E-01
.	92	351	8.17E-01
.	6	16	5.38E-01
.	16	79	1.81E-01
.	0	6	7.62E-01
.	34	200	2.74E-01
1.21	21	69	7.39E-01
.	1	12	8.67E-01
1.52	7	26	8.94E-01
.	0	5	4.18E-01
.	1	7	3.12E-01
0.37	51	246	1.00E+00
.	8	55	9.93E-01
0.31	3	27	4.28E-01
0.39	2	26	4.07E-01
1.46	16	106	5.53E-01
.	4	15	4.86E-01
0.92	1	18	8.73E-01
0.28	307	1512	4.98E-01
0.86	12	70	9.41E-01
.	219	881	9.55E-01
.	1	4	8.08E-01
1.39	3	7	6.61E-01
.	23	64	1.62E-02

.	4	23	6.42E-01
0.40	79	175	2.10E-02
.	2	5	5.71E-01
1.13	23	87	9.67E-01
1.41	10	49	8.36E-01
1.22	2	15	9.24E-01
.	2	9	3.17E-01
0.80	6	15	1.87E-01
.	6	50	4.34E-01
1.55	12	60	6.80E-01
.	10	46	3.70E-01
.	4	6	7.29E-01
0.75	11	33	4.36E-01
1.65	10	26	7.95E-01
0.33	6	27	8.27E-01
.	19	88	5.82E-01
.	26	82	8.09E-01
1.08	4	18	3.79E-01
0.52	14	74	5.41E-01
1.10	4	5	6.04E-01
1.19	20	109	8.45E-01
0.04	8	49	7.40E-01
.	37	139	2.55E-01
1.01	102	476	8.32E-01
.	7	42	8.54E-01
0.44	96	461	9.26E-01
2.73	9	20	4.54E-02
.	3	3	9.21E-01
0.66	23	144	5.05E-02
0.46	2	27	5.31E-01
.	2	8	9.54E-01
1.11	1	5	7.29E-01
0.99	9	33	6.47E-01
.	5	47	1.14E-01
2.25	45	138	8.94E-03
.	2	4	6.21E-03
2.96	14	39	4.85E-01
.	12	84	9.34E-01
.	2	3	4.28E-01
.	22	100	7.61E-01
0.79	9	39	8.10E-01

ACCEPTED MANUSCRIPT

2.13	24	95	1.00E+00
.	2	10	9.53E-01
1.79	11	30	5.19E-01
0.34	38	136	1.96E-01
1.10	33	156	5.21E-01
1.35	27	155	5.73E-01
0.30	2	14	6.13E-01
1.11	21	96	6.38E-01
0.48	193	837	8.71E-01
.	3	4	1.70E-01
0.51	2	25	2.81E-01
.	5	7	7.32E-02
0.91	5	19	7.27E-01
0.40	1	26	3.31E-01
.	1	11	1.69E-01
0.84	8	38	5.33E-01
1.17	14	54	2.95E-01
1.60	18	98	9.08E-01
3.57	10	32	7.87E-01
.	2	33	1.53E-01
0.22	4	25	1.47E-01
.	7	17	3.62E-01
.	0	7	7.22E-01
.	9	31	5.06E-02
.	0	5	6.18E-01
1.29	8	35	8.78E-01
.	15	56	9.98E-01
2.57	5	12	9.31E-01
0.78	26	101	9.79E-01
0.42	46	253	6.79E-01
.	0	5	1.99E-01
.	2	6	4.25E-01
1.52	31	123	9.92E-01
.	5	19	9.13E-01
1.16	12	54	2.33E-01
.	7	23	8.25E-01
0.63	10	37	6.02E-01
0.52	5	36	9.84E-01
.	38	186	8.91E-01
.	2	6	4.25E-01
1.24	5	18	5.36E-01

.	58	269	8.01E-01
1.05	64	277	8.61E-01
0.41	8	77	1.48E-01
4.47	57	253	5.36E-01
.	1	13	7.76E-01
0.87	46	156	6.56E-01
.	48	192	7.20E-01
.	1	4	3.43E-02
.	8	10	5.05E-02
2.45	4	12	1.54E-01
.	9	31	3.45E-01
.	7	24	5.04E-01
1.49	29	109	9.98E-01
1.61	4	30	3.64E-01
0.47	15	96	9.98E-01
1.06	126	554	8.85E-01
0.45	21	88	8.57E-01
0.58	36	113	6.90E-01
0.12	73	335	9.15E-01
0.77	16	76	9.90E-01
.	40	204	9.82E-01
2.01	131	527	9.99E-01
0.45	20	97	7.61E-01
0.86	19	75	4.88E-01
0.58	14	51	6.15E-01
1.56	3	22	6.75E-01
0.57	3	9	8.82E-01
0.66	3	20	6.83E-01
1.07	13	54	3.27E-01
0.66	1	15	6.81E-02
0.70	1	6	2.62E-01
5.16	22	58	1.64E-01
0.53	6	32	1.08E-01
0.42	2	18	3.57E-01
0.79	1	6	5.88E-02
.	7	57	2.43E-03
1.60	32	91	6.58E-01
.	37	186	8.56E-01
.	2	7	4.62E-01
1.50	39	176	6.98E-01
0.73	3	13	5.51E-01

0.57	0	8	7.65E-01
2.85	4	6	4.43E-02
0.31	0	5	8.34E-01
0.34	11	107	1.24E-01
.	1	6	6.47E-02
1.08	8	25	1.00E+00
1.81	0	9	6.70E-01
.	3	6	3.85E-01
.	7	32	9.80E-01
0.16	0	7	5.36E-01
6.68	2	3	9.94E-02
2.57	7	34	2.54E-01
1.50	16	84	8.91E-01
.	34	146	9.08E-01
4.24	30	91	5.73E-01
0.29	1	7	6.09E-01
2.55	3	14	5.32E-01
1.02	32	171	9.97E-01
.	34	156	6.56E-01
0.65	209	822	8.77E-01
.	1	4	7.80E-01
0.55	2	23	4.64E-01
.	2	5	3.22E-01
1.09	5	14	5.26E-01
.	1	5	6.02E-01
0.41	182	824	8.24E-01
.	29	121	8.34E-01
0.56	121	537	1.00E+00
1.20	20	62	9.99E-01
0.08	11	93	1.13E-01
0.44	20	88	1.83E-01
1.79	24	70	3.33E-01
2.28	7	22	6.04E-01
0.99	23	107	1.00E+00
0.55	75	339	9.80E-01
1.86	101	474	6.79E-01
2.00	49	201	1.00E+00
1.07	43	187	6.48E-02
1.06	84	367	2.27E-01
0.15	60	201	2.62E-01
0.60	26	113	9.85E-01

0.26	8	35	1.00E+00
2.07	17	43	1.00E+00
0.60	2	12	5.65E-01
.	2	5	2.34E-01
0.96	13	51	1.00E+00
0.97	8	28	3.45E-01
.	1	8	7.64E-01
0.57	32	179	1.00E+00
0.78	84	291	6.10E-01
2.13	26	94	9.69E-01
1.70	18	93	6.36E-01
0.77	5	25	3.89E-01
0.87	5	37	7.54E-01
0.84	15	49	2.97E-01
1.45	203	890	1.00E+00
1.03	77	296	9.08E-01
0.69	19	48	3.12E-02
0.83	20	121	4.97E-01
0.50	3	16	7.28E-01
.	5	26	8.22E-01
.	11	27	1.20E-01
.	7	40	7.50E-01
.	59	296	5.14E-01
.	4	5	2.02E-02
1.01	2	5	7.96E-01
.	12	53	5.38E-01
.	46	239	8.85E-01
1.15	39	149	1.00E+00
0.89	52	274	3.81E-01
0.82	90	448	1.00E+00
1.76	11	39	1.84E-01
6.94	14	44	6.10E-01
.	6	38	8.60E-01
.	59	297	1.00E+00
0.75	62	275	8.77E-01
0.89	9	35	6.40E-01
2.92	6	17	1.47E-01
2.31	3	15	7.15E-01
0.93	2	28	3.54E-01
.	6	25	7.89E-01
.	6	7	1.12E-01

.	0	13	8.40E-01
.	1	7	4.13E-01
1.29	35	176	7.08E-01
.	19	68	8.64E-01
1.90	23	113	8.68E-01
1.16	8	29	4.42E-01
0.70	7	44	8.68E-01
.	25	142	8.74E-02
0.55	3	20	8.51E-01
0.53	18	99	8.91E-01
1.09	23	71	8.96E-01
.	8	18	1.60E-01
2.93	7	9	2.71E-01
3.53	86	384	1.00E+00
.	1	5	2.21E-01
.	1	11	9.09E-01
0.73	9	53	6.55E-01
1.47	10	43	5.88E-01
2.44	4	8	4.92E-01
.	3	3	7.86E-02
.	1	9	7.14E-01
1.36	178	760	7.26E-01
0.71	44	211	4.01E-01
.	1	8	3.37E-01
1.47	74	358	1.00E+00
0.37	17	64	9.03E-01
1.29	22	84	2.83E-01
0.70	24	95	2.63E-01
1.88	7	13	2.64E-02
2.85	15	52	5.96E-01
.	24	78	8.41E-02
.	138	689	4.37E-01
.	1	7	8.16E-01
0.71	33	104	6.78E-02
.	2	6	7.75E-01
0.68	1	5	8.23E-01
0.78	46	254	3.94E-01
1.01	63	220	1.02E-01
1.13	78	276	6.64E-01
0.67	165	721	6.23E-01
1.50	85	362	9.99E-01

0.58	107	461	9.49E-01
.	41	174	7.44E-01
2.75	46	189	1.00E+00
1.14	5	13	6.23E-01
0.77	48	224	1.00E+00
3.29	5	10	1.10E-01
0.30	7	62	2.99E-01
0.79	2	7	8.27E-01
1.13	18	81	1.00E+00
0.94	26	93	1.00E+00
.	3	7	3.90E-01
2.96	7	11	1.55E-01
0.98	8	33	9.43E-01
0.96	4	11	8.75E-01
1.42	28	121	6.04E-01
2.25	43	162	5.67E-01
0.71	19	71	2.88E-01
1.42	20	51	1.49E-01
.	2	4	3.48E-01
2.65	8	22	5.61E-01
.	12	85	6.67E-02
.	0	7	1.02E-01
0.25	0	6	8.56E-01
1.86	72	281	7.75E-01
1.50	3	9	1.28E-01
1.28	74	323	3.17E-01
.	2	4	4.51E-01
10.69	3	5	1.33E-01
3.11	4	6	3.44E-01
1.01	16	69	4.62E-01
0.07	0	6	3.20E-01
1.38	110	359	4.07E-01
0.74	3	17	8.26E-01
1.30	7	16	7.90E-01
2.63	56	269	9.28E-01
1.26	8	19	4.74E-01
0.45	5	8	7.71E-02
3.30	2	10	1.49E-01
0.43	0	7	8.01E-01
0.72	106	439	9.83E-01
0.08	0	14	2.08E-01

1.20	3	13	8.09E-01
.	16	53	4.72E-02
0.43	4	30	5.08E-01
0.64	2	31	3.74E-02
0.80	0	6	6.95E-01
0.50	139	673	8.97E-01
0.61	1	14	4.03E-01
1.66	6	16	8.02E-01
0.39	33	175	8.49E-01
1.30	9	24	7.12E-02
0.43	2	22	4.11E-01
1.24	59	259	5.51E-01
2.61	9	45	4.14E-01
1.76	98	435	2.54E-01
.	1	10	1.35E-01
0.87	4	25	3.21E-01
0.96	7	50	3.28E-01
0.86	59	246	1.00E+00
1.68	43	204	3.42E-01
2.17	26	71	6.28E-01
0.62	1	10	3.04E-01
1.03	6	35	4.35E-01
1.81	4	10	8.98E-01
0.82	5	15	7.08E-03
5.56	7	32	4.75E-01
1.65	5	8	6.09E-01
.	2	4	5.72E-01
.	2	15	2.21E-01
1.97	18	63	9.53E-01
0.91	8	34	9.96E-01
.	1	7	8.00E-01
0.24	61	300	2.62E-01
.	1	9	8.22E-02
0.82	23	95	8.01E-01
.	17	67	8.80E-01
2.15	3	10	2.09E-01
.	1	6	8.82E-01
.	5	7	2.28E-02
2.06	13	20	1.60E-02
0.74	14	60	1.27E-01
.	1	5	8.78E-01

.	5	17	2.45E-01
.	1	4	7.30E-01
0.71	0	10	8.30E-01
.	89	427	1.00E+00
.	1	5	4.54E-01
.	74	246	3.78E-01
1.10	0	6	6.71E-01
0.90	5	28	9.62E-01
2.37	7	12	3.30E-01
0.05	0	25	2.15E-01
0.38	2	20	3.30E-01
2.00	21	109	4.41E-01
1.99	2	9	1.34E-01
0.78	41	272	1.88E-02
2.10	9	16	4.52E-01
0.55	6	28	3.36E-01
0.76	3	13	6.63E-02
0.60	4	16	1.34E-01
0.54	19	104	3.90E-01
1.32	6	22	9.90E-01
0.41	11	91	5.84E-01
1.77	11	28	3.42E-01
.	1	7	5.22E-01
1.72	7	11	1.04E-02
.	0	5	8.37E-01
.	9	22	2.82E-01
1.02	44	207	3.20E-01
1.20	18	84	9.97E-01
2.67	56	252	9.07E-01
0.34	4	22	1.89E-01
.	3	3	3.20E-02
1.05	2	16	2.10E-01
1.63	1	7	8.35E-01
0.22	1	6	1.66E-01
2.01	34	161	9.73E-01
.	1	10	3.63E-01
2.38	7	24	2.39E-01
.	50	305	2.66E-01
4.02	64	230	3.04E-01
.	1	9	4.66E-01
5.30	18	56	5.84E-02

1.05	15	59	6.32E-01
.	32	144	9.20E-01
.	14	58	8.78E-01
0.80	5	19	6.35E-01
0.44	60	315	8.27E-01
.	9	60	6.54E-01
0.74	12	49	1.00E+00
0.94	26	155	5.63E-02
0.37	93	419	7.55E-01
0.21	5	25	6.59E-01
0.84	16	38	6.19E-01
0.87	45	155	8.77E-01
1.03	4	32	9.69E-01
1.13	58	236	6.03E-01
0.80	1	10	9.31E-01
.	81	382	9.61E-01
0.61	1	13	9.07E-01
0.68	33	98	5.28E-01
1.23	3	9	4.96E-01
0.62	4	20	7.93E-01
.	7	8	8.47E-02
1.22	9	77	4.05E-01
0.90	5	18	4.59E-01
1.16	23	138	7.04E-01
.	3	7	7.25E-01
0.63	6	41	5.35E-01
8.60	13	46	4.86E-01
.	44	231	9.62E-01
.	55	215	3.00E-01
.	7	13	1.55E-01
.	57	252	7.53E-01
1.17	54	208	6.73E-01
0.93	4	25	8.20E-01
3.01	16	65	2.02E-01
1.23	20	70	9.82E-01
1.10	5	19	9.99E-02
1.19	143	714	8.64E-01
1.89	56	228	9.23E-01
2.27	58	223	4.89E-01
2.33	51	318	3.08E-01
0.97	43	173	1.00E+00

.	15	64	2.51E-01
.	4	11	2.78E-01
.	1	10	6.55E-01
0.98	92	338	7.50E-01
3.00	3	10	1.48E-01
0.95	123	577	9.96E-01
1.08	36	196	1.00E+00
.	91	420	9.48E-01
0.64	238	1072	9.99E-01
.	9	32	6.12E-01
2.22	46	211	5.09E-01
1.34	28	83	1.08E-02
1.50	42	168	9.00E-01
.	7	78	7.22E-01
1.95	14	40	8.24E-01
0.95	56	207	3.62E-01
1.07	18	69	9.29E-01
.	39	167	5.30E-01
0.77	20	96	8.22E-01
0.17	49	199	2.79E-01
.	49	168	5.13E-01
0.12	3	20	9.30E-01
1.31	62	196	7.30E-01
0.22	69	268	5.96E-01
0.65	196	992	9.77E-01
2.11	27	131	3.66E-01
1.12	95	437	5.45E-01
.	9	33	3.23E-01
3.07	54	324	3.91E-01
.	39	294	1.97E-03
.	5	19	6.65E-01
0.69	192	774	9.23E-01
.	45	239	7.51E-01
0.64	45	138	3.62E-01
1.16	19	105	6.74E-01
.	61	352	6.28E-01
1.57	69	349	9.97E-01
.	5	13	6.92E-01
0.29	13	52	8.07E-01
1.57	69	242	8.60E-01
1.04	13	53	6.95E-01

0.11	8	17	3.34E-02
13.46	7	22	6.42E-02
1.59	51	237	8.49E-01
0.99	43	162	7.57E-01
1.45	34	126	9.34E-01
1.17	25	118	9.19E-01
0.80	59	275	9.07E-01
1.34	42	171	9.31E-01
0.60	62	238	3.25E-02
1.47	64	372	3.98E-01
0.56	12	78	8.20E-01
1.26	14	72	7.76E-01
0.44	25	148	6.71E-01
1.05	23	110	8.84E-01
1.70	23	94	7.64E-01
1.99	34	138	9.99E-01
1.54	113	477	4.39E-01
1.22	26	136	3.61E-01
0.14	7	36	4.12E-01
1.94	66	349	9.48E-01
1.51	51	177	9.94E-01
.	7	24	2.70E-01
1.40	63	297	1.99E-01
0.76	73	478	5.54E-02
1.02	12	50	1.00E+00
1.40	4	18	2.57E-01
.	80	327	9.35E-01
2.63	7	21	1.53E-02
.	0	5	5.77E-01
2.38	4	10	9.18E-01
0.56	4	15	6.66E-01
.	46	182	5.58E-01
1.90	11	72	3.30E-01
0.22	0	11	7.76E-01
2.95	6	10	4.84E-01
0.61	40	187	9.98E-01
1.03	17	58	8.31E-01
0.96	38	130	3.83E-01
1.44	4	20	7.36E-01
3.65	5	10	5.45E-01
1.40	6	19	6.89E-01

3.00	4	9	2.74E-01
.	1	15	8.23E-01
1.09	8	36	7.85E-01
0.74	91	271	8.26E-03
.	61	249	8.51E-01
.	41	163	1.87E-01
2.21	9	27	5.37E-01
.	22	54	7.39E-02
1.85	23	84	5.35E-01
1.23	62	293	7.38E-01
6.26	27	97	5.91E-01
2.11	9	15	1.24E-02
1.09	9	56	6.36E-01
0.39	5	33	5.32E-01
0.96	12	85	5.45E-01
.	7	32	3.58E-01
0.48	8	24	6.41E-02
.	3	8	4.67E-01
.	1	5	6.97E-02
.	2	20	4.53E-01
.	2	5	4.56E-01
.	2	13	9.34E-01
.	2	11	5.15E-02
.	1	11	8.97E-01
.	0	6	6.98E-01
.	17	80	9.92E-01
.	3	20	6.49E-01
1.37	4	12	3.60E-01
0.95	35	185	1.00E+00
1.25	7	22	2.42E-01
0.71	30	107	6.64E-02
0.34	0	13	8.16E-01
1.76	1	6	3.18E-01
0.99	54	208	8.25E-01
1.32	18	51	2.27E-01
0.71	12	54	3.89E-01
0.92	4	17	9.50E-01
1.02	2	9	7.76E-01
1.34	4	18	6.89E-01
1.92	10	23	2.58E-01
5.87	9	8	4.90E-02

0.57	3	11	6.42E-01
0.53	21	64	6.71E-01
3.09	4	13	2.40E-01
0.67	0	8	7.81E-01
0.63	20	96	4.39E-01
0.70	1	8	8.75E-01
0.54	18	95	9.93E-01
1.22	4	21	8.43E-01
.	2	6	2.23E-01
1.30	45	181	1.00E+00
1.00	6	26	7.39E-01
2.13	20	104	4.75E-01
1.31	95	377	1.00E+00
.	4	7	6.96E-01
.	6	30	7.76E-01
2.97	87	338	9.25E-01
0.73	5	32	2.54E-01
.	12	43	6.41E-01
.	0	5	6.65E-01
0.75	18	77	9.28E-01
0.43	6	16	6.20E-02
.	0	5	6.71E-01
3.42	9	22	1.31E-01
.	0	13	8.00E-01
3.70	38	182	2.93E-03
0.27	11	72	2.15E-01
0.36	234	1083	8.43E-01
0.98	5	9	7.13E-01
2.61	34	141	4.18E-01
1.65	29	129	9.75E-01
1.74	10	35	4.15E-01
0.70	5	25	9.11E-01
5.51	183	799	9.67E-01
1.01	76	308	6.09E-01
0.13	18	81	8.32E-01
0.13	4	33	6.28E-01
3.37	5	8	7.84E-02
.	0	5	3.34E-01
2.55	4	6	5.05E-01
0.84	15	75	2.23E-02
0.19	8	39	8.31E-01

.	8	34	8.72E-01
.	0	5	5.24E-01
.	0	6	8.07E-01
.	1	6	8.03E-01
.	8	23	2.66E-01
.	1	7	6.31E-01
3.79	3	38	4.77E-02
0.62	21	97	9.44E-01
0.76	21	91	4.69E-01
1.07	126	530	1.00E+00
1.19	133	517	9.51E-01
1.21	23	71	4.62E-01
0.85	3	18	6.42E-01
0.44	10	41	9.77E-01
1.73	6	8	7.41E-01
.	59	220	4.78E-01
0.94	192	894	9.94E-01
10.35	73	279	6.19E-01
.	8	29	8.58E-01
.	5	15	1.05E-01
0.68	79	328	8.70E-01
.	1	7	8.19E-01
.	38	134	7.13E-02
0.66	9	45	9.22E-01
.	0	9	6.31E-01
.	1	6	1.03E-01
0.38	8	57	8.40E-01
.	8	43	5.76E-01
1.52	11	28	2.34E-01
.	5	32	7.75E-01
.	1	6	6.59E-01
.	4	23	5.08E-01
.	6	15	5.95E-01
0.37	6	39	8.63E-01
0.91	16	89	2.89E-01
3.34	26	133	7.57E-01
2.16	8	27	6.81E-02
1.73	2	9	7.67E-01
1.15	19	108	9.79E-01
1.34	5	17	8.75E-01
1.39	10	39	3.21E-01

1.61	7	22	3.79E-01
0.60	3	16	2.56E-01
0.36	7	31	3.60E-01
0.62	3	21	2.09E-02
2.53	81	334	1.56E-01
1.93	1	7	2.49E-01
0.97	2	9	6.76E-01
0.33	6	31	5.71E-01
0.76	2	17	5.67E-01
1.09	2	25	8.02E-01
1.49	40	132	1.32E-01
1.47	30	78	6.03E-02
1.33	9	31	9.25E-01
.	1	4	8.41E-01
0.40	6	30	9.28E-01
.	4	2	8.49E-02
.	3	6	3.24E-01
.	6	25	5.55E-01
1.68	5	19	1.53E-01
0.93	10	44	1.61E-01
.	47	262	3.28E-01
1.11	21	102	9.02E-01
0.73	16	62	8.95E-01
0.85	5	33	9.96E-01
0.57	11	47	4.96E-01
0.67	64	304	9.76E-01
2.15	15	38	5.85E-01
0.49	7	41	1.17E-01
9.29	9	28	3.21E-01
0.33	45	217	8.69E-01
2.02	11	27	5.39E-01
1.55	129	567	1.00E+00
0.97	8	26	3.36E-01
1.95	25	93	2.39E-01
0.65	61	310	8.81E-01
0.97	19	101	8.82E-01
0.74	50	342	1.32E-01
1.91	4	16	6.60E-01
2.03	12	23	1.11E-01
1.21	81	272	9.32E-02
1.07	22	116	9.69E-01

0.93	11	42	8.83E-01
0.43	9	77	8.89E-02
1.25	13	46	7.93E-01
.	66	289	9.22E-01
.	256	1166	2.09E-01
.	0	5	2.11E-01
.	61	267	6.40E-01
.	55	178	9.59E-02
.	133	629	1.00E+00
.	27	119	9.54E-01
.	52	210	2.09E-01
1.04	43	227	6.34E-01
.	50	199	7.84E-01
0.12	39	221	7.42E-01
.	39	209	2.57E-01
3.67	15	78	6.90E-01
.	61	233	5.05E-01
.	2	6	2.68E-01
.	20	68	9.14E-01
0.03	36	178	3.70E-01
6.71	53	232	4.34E-01
0.40	1	13	9.66E-01
2.00	30	111	9.99E-01
0.80	10	39	8.75E-01
0.50	117	615	9.24E-01
0.98	20	74	1.00E+00
.	12	43	4.15E-01
2.74	4	11	7.28E-01
2.01	100	499	5.48E-01
2.13	2	7	2.45E-02
2.07	57	308	6.11E-01
0.68	6	57	5.62E-01
2.77	4	16	2.23E-01
0.82	4	22	7.85E-01
.	4	34	7.87E-01
.	2	24	1.67E-01
0.97	47	186	6.90E-01
.	0	5	4.54E-01
.	46	191	7.34E-01
2.36	12	26	2.02E-01
.	331	1519	1.00E+00

.	17	93	5.42E-01
.	23	128	9.63E-01
.	54	165	5.44E-02
.	58	160	3.35E-05
1.06	103	480	9.98E-01
1.76	207	877	8.55E-01
0.85	126	555	1.00E+00
2.42	95	347	9.43E-01
0.85	350	1706	9.21E-01
1.23	113	469	6.98E-01
1.46	100	360	1.00E+00
1.09	99	370	7.87E-01
0.74	247	912	8.85E-01
2.22	88	368	9.45E-01
1.43	31	145	9.64E-01
0.66	72	297	1.00E+00
1.25	2	24	5.20E-01
.	0	7	7.09E-01
.	0	6	7.35E-01
.	1	6	3.59E-01
1.37	1	6	4.22E-01
.	11	31	8.13E-01
0.71	4	23	9.80E-01
.	1	11	2.90E-01
0.44	9	43	1.67E-01
.	4	22	7.56E-01
0.72	14	103	6.01E-01
.	9	42	7.49E-01
.	16	45	4.16E-01
1.09	6	37	6.97E-01
.	22	107	1.13E-01
2.11	51	187	1.00E+00
.	1	12	9.67E-01
1.15	7	31	4.17E-01
0.52	33	205	1.36E-01
1.42	25	115	6.58E-01
0.84	36	153	9.23E-01
0.77	0	8	3.63E-01
.	3	14	6.94E-01
.	9	58	3.65E-01
0.96	15	79	5.16E-01

1.61	21	71	6.47E-01
.	15	95	6.26E-01
.	3	9	2.39E-02
.	3	17	7.95E-02
0.43	280	1213	8.25E-01
0.73	4	25	3.98E-01
2.26	3	4	4.65E-01
2.52	8	21	3.07E-01
1.05	6	25	6.68E-02
0.59	12	68	9.24E-01
3.61	28	122	2.84E-01
.	6	18	3.56E-01
.	36	130	8.66E-01
.	13	62	6.71E-01
1.01	2	11	8.36E-01
.	1	12	8.39E-01
0.48	92	414	2.35E-01
.	51	270	5.13E-01
.	4	6	2.99E-01
.	0	10	1.55E-01
.	6	47	3.40E-01
.	0	5	7.77E-01
.	5	28	1.57E-01
.	5	7	4.95E-02
.	66	329	2.56E-01
1.22	16	49	1.12E-02
.	5	24	5.21E-01
0.79	8	27	8.90E-01
0.88	17	79	6.99E-01
2.31	11	34	6.39E-01
.	3	9	3.49E-01
1.60	8	36	4.89E-01
4.57	3	6	1.17E-01
0.38	2	17	3.48E-01
.	1	12	1.45E-01
1.43	1	8	8.61E-01
1.75	6	16	3.66E-02
1.98	3	15	2.64E-01
1.14	16	57	3.80E-01
0.36	5	26	9.48E-01
2.90	5	14	1.95E-01

.	0	7	6.05E-01
0.33	50	201	1.00E+00
.	0	6	6.80E-01
0.52	102	352	3.99E-01
.	61	253	8.14E-01
0.33	9	49	9.99E-01
1.75	47	163	1.21E-01
.	2	9	5.57E-01
0.66	0	7	4.81E-01
1.63	100	510	9.62E-01
.	2	7	9.00E-01
0.38	3	25	9.99E-01
1.68	39	247	2.14E-01
2.17	65	235	1.38E-01
0.66	14	60	4.45E-01
.	3	6	3.90E-02
0.80	15	34	3.43E-01
5.51	77	282	7.56E-01
.	5	27	9.76E-01
.	2	20	4.16E-01
0.44	2	6	3.36E-01
1.79	18	72	6.19E-01
1.70	8	33	3.63E-01
.	11	41	2.82E-01
.	7	34	7.09E-01
.	2	8	8.95E-01
.	3	5	3.92E-01
1.24	71	293	9.06E-01
1.33	28	145	7.81E-01
.	1	4	6.87E-02
4.28	70	294	7.65E-01
.	3	3	1.72E-01
0.97	1	10	8.80E-01
2.69	4	11	5.78E-01
0.51	1	11	9.58E-01
2.81	7	15	7.47E-01
3.59	4	21	5.34E-02
0.46	83	290	9.84E-01
0.44	98	396	1.00E+00
1.30	60	229	9.20E-01
2.50	22	87	2.44E-01

1.12	3	22	5.12E-01
0.82	3	12	8.85E-01
0.56	0	8	7.96E-01
1.19	2	10	9.35E-01
.	5	21	6.28E-01
1.01	8	36	9.76E-01
.	4	18	5.87E-01
2.17	3	10	3.54E-01
1.54	6	9	5.23E-01
.	21	81	4.72E-01
1.63	4	5	5.06E-01
1.55	2	4	8.64E-01
11.21	2	4	4.71E-02
0.13	3	23	7.32E-01
1.51	63	256	7.00E-01
0.39	32	151	9.61E-01
0.36	5	34	9.98E-01
2.76	7	30	3.53E-01
.	6	19	7.10E-01
.	13	59	4.31E-01
.	1	4	7.65E-01
.	53	264	6.92E-01
.	4	13	9.32E-01
.	45	205	8.41E-01
.	16	20	1.14E-01
.	53	292	3.34E-01
.	9	34	8.83E-01
.	21	116	3.45E-01
1.23	5	24	7.06E-01
2.53	4	10	3.29E-02
1.57	23	72	2.26E-01
4.54	14	57	1.87E-01
.	3	9	1.06E-01
2.21	81	278	3.14E-01
0.84	2	16	5.64E-01
0.04	34	94	1.48E-01
1.46	0	7	6.29E-01
1.47	5	43	1.21E-01
.	1	8	3.60E-01
.	7	32	8.53E-01
.	2	13	9.45E-01

.	6	18	5.14E-01
.	1	7	8.03E-01
.	1	5	4.33E-01
.	14	41	5.10E-01
0.93	1	11	6.90E-01
1.72	3	9	3.32E-01
0.81	10	48	6.36E-01
6.03	18	66	8.26E-01
1.28	19	80	3.49E-01
.	2	15	1.18E-02
0.43	29	151	8.42E-01
1.08	27	122	1.00E+00
1.85	63	314	8.40E-01
1.45	19	81	4.12E-01
.	0	5	6.01E-01
0.38	44	162	1.94E-01
1.64	9	42	7.70E-01
0.81	12	50	9.96E-01
0.88	44	257	8.33E-01
0.64	32	144	5.91E-01
.	0	8	7.68E-01
.	6	15	7.84E-01
1.05	2	16	4.35E-01
.	10	36	3.09E-01
1.16	11	52	1.00E+00
1.08	37	202	6.91E-01
1.18	3	14	8.44E-01
2.46	128	591	7.82E-01
.	4	32	7.06E-01
0.56	7	34	8.63E-01
0.21	44	219	9.65E-01
1.50	8	32	7.29E-01
1.07	3	17	3.58E-01
1.15	2	25	1.28E-01
1.04	2	19	3.41E-01
0.84	27	78	6.48E-01
1.75	16	110	3.22E-01
.	19	76	4.10E-01
1.35	3	15	7.16E-01
0.89	2	12	3.78E-01
1.07	3	14	4.74E-01

1.38	25	112	6.12E-01
0.65	119	525	4.50E-01
1.23	385	1630	1.00E+00
.	12	43	8.62E-01
0.62	8	30	2.25E-02
1.88	92	390	7.59E-01
0.59	48	197	9.87E-01
0.64	0	5	7.13E-01
0.17	0	12	7.20E-01
.	76	292	8.32E-01
0.82	9	48	8.12E-01
.	10	42	8.63E-01
.	40	273	2.85E-01
0.06	0	9	3.90E-01
.	8	34	9.42E-01
.	22	75	9.81E-01
.	1	7	8.17E-01
.	10	74	8.18E-02
.	2	8	8.78E-01
3.45	11	34	4.18E-01
1.29	156	694	6.63E-01
1.70	8	24	2.83E-02
2.34	68	314	7.56E-01
.	8	40	9.08E-01
.	0	10	3.80E-01
0.79	13	51	7.39E-01
0.91	202	934	9.99E-01
0.14	0	8	4.77E-01
2.90	4	26	3.42E-01
1.05	50	264	4.81E-01
1.06	10	45	9.58E-01
1.35	48	235	9.49E-01
.	1	9	7.15E-01
0.57	0	6	7.79E-01
1.24	9	57	4.05E-01
1.65	70	325	5.30E-01
.	18	59	1.67E-01
.	18	88	2.39E-01
1.04	0	5	6.62E-01
.	3	4	9.21E-01
1.29	60	323	7.12E-01

0.48	11	80	3.65E-01
1.30	31	114	3.17E-01
1.26	32	137	1.00E+00
1.44	9	42	5.72E-01
0.78	23	94	2.93E-01
1.53	2	10	9.46E-01
.	2	7	7.29E-01
0.88	85	365	1.00E+00
2.04	37	179	9.54E-01
1.74	77	294	5.54E-01
0.86	15	56	4.27E-01
2.80	3	14	5.47E-01
4.01	15	47	3.46E-01
3.87	5	12	4.21E-01
.	4	8	5.05E-01
1.38	13	26	4.42E-01
.	45	188	1.00E+00
.	11	34	6.60E-01
0.65	108	449	9.48E-01
1.17	26	102	7.99E-01
1.79	11	31	9.90E-01
19.72	113	456	7.59E-01
2.05	31	121	5.77E-01
0.84	62	230	8.44E-01
4.61	7	11	6.53E-01
0.93	58	317	7.02E-01
0.46	3	30	5.95E-01
.	18	49	4.38E-01
0.66	15	47	3.69E-01
1.15	232	940	9.96E-01
1.15	188	828	9.99E-01
.	3	8	9.19E-01
1.25	6	16	4.89E-01
1.55	59	238	2.09E-01
1.48	77	291	4.51E-01
0.68	33	100	3.70E-01
0.48	6	33	8.95E-01
0.14	0	15	8.53E-01
0.54	84	336	3.91E-01
0.68	7	49	9.89E-01
0.68	12	63	6.80E-01

.	4	10	3.63E-01
0.46	8	37	7.99E-01
.	7	23	3.30E-01
.	22	81	8.26E-01
.	8	22	4.20E-01
0.88	16	59	9.99E-01
0.87	87	382	9.91E-01
1.56	58	248	9.88E-01
.	1	6	8.98E-01
1.38	59	294	8.48E-01
.	71	358	9.28E-01
.	3	30	2.11E-01
1.02	1	8	2.68E-01
.	13	73	4.15E-01
.	11	26	3.29E-01
.	1	6	1.97E-01
0.67	30	148	5.80E-01
2.86	1	5	3.47E-01
.	10	50	3.65E-01
.	91	349	8.85E-01
0.60	24	115	3.29E-01
2.06	19	48	7.02E-02
.	113	505	5.34E-01
.	4	13	3.26E-01
3.51	21	98	7.88E-01
0.03	3	17	3.32E-02
1.17	5	18	5.46E-01
1.27	33	143	5.03E-01
.	8	45	1.12E-01
.	8	24	3.42E-01
0.47	60	235	5.58E-02
0.78	2	22	6.87E-01
0.69	9	56	6.77E-01
2.15	8	26	1.38E-01
.	5	37	4.89E-01
.	0	6	6.14E-01
.	11	52	4.06E-01
0.79	11	88	1.93E-01
2.20	3	12	5.48E-01
4.62	98	356	4.03E-01
.	4	4	5.91E-03

.	1	8	5.25E-01
3.25	8	27	3.08E-01
.	1	4	1.43E-01
.	39	192	7.55E-01
0.73	20	71	7.75E-01
1.22	17	82	4.64E-01
.	11	56	5.62E-01
0.74	27	135	8.78E-01
3.27	10	59	1.60E-01
.	1	9	3.46E-01
.	30	130	2.75E-01
0.96	103	360	5.44E-01
1.38	3	20	4.78E-01
0.71	40	234	9.52E-01
.	9	29	2.19E-01
.	1	14	3.66E-01
.	3	8	5.80E-01
.	0	6	8.05E-01
1.42	11	54	9.85E-01
1.40	86	462	9.64E-01
0.32	34	141	9.13E-01
0.63	106	450	5.35E-01
1.01	28	158	2.85E-01
0.76	86	335	7.50E-01
1.98	184	737	1.37E-01
.	4	21	9.22E-01
1.67	43	161	6.07E-01
1.68	226	1060	7.94E-01
0.77	46	230	5.97E-01
.	92	448	3.39E-04
2.14	44	223	2.82E-01
.	6	24	8.12E-01
0.75	6	20	4.56E-01
.	0	5	6.26E-01
.	4	18	5.97E-01
.	5	9	8.03E-01
1.05	17	61	9.51E-01
0.59	3	28	3.79E-01
1.88	62	159	2.92E-02
0.64	9	67	8.84E-01
0.69	43	289	4.29E-01

0.22	80	329	3.09E-01
.	63	212	2.54E-01
0.40	1	11	6.08E-01
.	1	12	3.28E-01
.	3	7	6.39E-02
1.71	10	31	7.38E-02
1.56	34	133	4.83E-01
1.62	7	16	3.15E-01
0.50	10	47	9.61E-01
.	0	12	3.00E-01
2.15	6	8	5.03E-02
0.90	95	419	6.85E-01
1.32	105	419	9.31E-01
0.77	67	313	9.70E-01
1.46	1	6	4.38E-01
1.08	3	18	8.64E-01
1.30	23	80	5.35E-01
1.64	50	202	8.55E-01
2.51	30	103	4.94E-01
1.06	6	31	6.59E-01
.	3	10	5.90E-01
.	12	53	6.53E-01
.	3	5	1.50E-01
1.04	6	16	9.37E-01
.	24	164	1.17E-01
.	13	50	5.37E-01
1.62	61	189	9.44E-01
.	32	148	8.94E-01
0.80	26	216	7.25E-02
1.33	24	106	9.79E-01
.	1	6	3.00E-01
0.64	2	8	6.43E-01
0.37	0	5	3.20E-01
1.33	4	17	3.88E-01
0.86	125	613	7.13E-01
1.21	2	16	6.59E-01
0.25	21	106	1.41E-01
.	13	80	3.38E-01
.	90	371	5.56E-01
1.05	4	18	4.50E-01
0.22	5	31	9.99E-01

0.44	1	8	3.55E-01
3.89	4	9	7.23E-02
0.76	1	4	3.49E-01
0.38	8	32	5.72E-01
0.90	44	145	5.39E-01
.	2	5	7.37E-02
4.31	1	9	9.23E-01
.	1	8	8.69E-01
2.96	9	21	1.40E-01
.	6	17	2.31E-01
.	2	4	6.27E-01
.	2	8	7.76E-01
1.15	3	11	9.32E-01
.	11	39	7.56E-01
.	16	64	7.34E-01
.	4	19	2.18E-01
1.12	54	226	1.00E+00
1.55	21	77	9.94E-01
.	46	242	4.30E-01
.	54	201	7.24E-01
1.12	3	24	9.03E-01
.	1	9	7.36E-01
.	0	14	3.39E-01
0.58	78	283	9.31E-01
1.92	7	27	3.09E-01
0.94	16	64	6.12E-01
1.05	6	40	1.32E-01
.	7	21	9.68E-01
1.09	6	28	9.95E-01
0.18	6	45	4.67E-01
.	0	10	3.43E-01
.	1	5	1.05E-01
.	22	99	1.61E-01
1.25	69	328	7.86E-01
0.89	53	249	1.00E+00
0.58	1	11	8.96E-01
1.67	3	18	1.28E-01
1.08	18	76	9.63E-01
.	1	10	8.43E-01
0.18	17	266	1.92E-01
2.32	157	647	9.91E-01

.	1	5	8.87E-01
.	44	199	6.45E-01
1.70	9	44	3.25E-01
5.00	6	21	4.75E-01
1.19	35	115	2.95E-01
1.11	11	75	8.72E-01
1.57	6	19	7.16E-01
0.78	61	238	9.98E-01
0.21	27	110	1.00E+00
.	17	56	1.80E-01
1.28	188	924	9.54E-01
.	0	9	4.72E-01
.	38	170	2.31E-01
9.99	93	307	7.08E-02
1.12	230	1001	8.46E-01
0.82	19	103	8.38E-01
0.69	61	308	9.91E-01
1.36	26	103	1.00E+00
.	14	66	1.57E-01
0.89	9	69	2.56E-01
1.04	20	65	9.21E-01
0.69	5	31	8.78E-01
0.47	37	190	6.16E-01
1.16	6	31	6.80E-01
1.54	167	720	1.00E+00
1.05	19	104	2.13E-01
0.97	64	281	1.00E+00
0.99	20	71	8.38E-01
0.82	19	105	2.66E-01
.	68	344	9.69E-01
3.26	5	12	3.67E-01
.	3	5	1.89E-01
1.54	70	347	8.81E-01
.	6	19	6.75E-02
1.24	164	504	2.46E-01
.	108	441	6.53E-01
0.81	69	285	1.00E+00
.	8	42	9.10E-01
.	22	58	3.39E-01
0.60	12	66	9.74E-01
0.38	91	444	9.65E-01

1.09	10	31	7.62E-01
1.49	1	7	6.16E-02
5.58	3	5	5.49E-02
0.70	32	133	9.06E-01
0.25	2	33	7.30E-01
1.07	3	12	5.25E-01
1.64	4	16	8.70E-01
0.64	13	44	9.56E-01
1.36	26	84	5.66E-01
2.62	6	17	6.91E-01
0.38	4	29	1.66E-01
0.86	45	207	9.52E-01
1.91	40	245	4.33E-01
2.29	69	215	7.69E-01
0.85	1	10	8.81E-01
.	1	4	2.34E-01
.	2	5	3.92E-01
0.90	29	95	8.27E-01
0.70	140	645	6.70E-01
2.15	10	27	1.20E-01
0.27	4	16	6.79E-01
0.37	10	63	2.12E-01
4.47	7	18	2.24E-01
3.97	127	596	8.34E-01
.	26	107	7.07E-01
0.62	42	152	9.20E-01
.	31	183	9.17E-01
.	14	101	2.80E-01
.	31	63	4.31E-02
0.58	27	144	6.81E-01
0.29	12	85	4.40E-01
0.87	2	12	7.42E-01
1.00	128	552	9.50E-01
.	2	3	9.37E-02
0.66	2	15	6.32E-01
0.50	3	56	1.84E-01
.	100	357	2.18E-01
0.76	5	21	1.37E-01
.	0	5	7.29E-01
2.19	8	38	3.10E-01
1.67	12	35	4.52E-01

1.21	2	11	8.15E-01
2.06	9	26	3.96E-01
.	5	10	3.34E-01
0.88	1	14	9.32E-01
0.74	2	7	8.75E-01
1.13	31	104	7.85E-01
2.83	5	8	2.06E-01
.	11	41	7.43E-01
1.57	6	27	9.22E-01
.	0	5	6.79E-01
3.48	10	29	9.93E-01
.	2	11	7.60E-01
.	2	4	8.02E-01
.	0	7	6.77E-01
.	231	1065	8.01E-01
0.49	45	236	1.00E+00
.	4	29	3.40E-01
.	2	6	9.17E-01
1.31	62	272	9.97E-01
.	0	14	8.39E-01
0.56	2	17	6.51E-01
1.81	11	27	8.33E-01
.	2	9	8.65E-01
1.92	14	44	3.07E-01
.	3	12	1.81E-01
0.29	9	43	4.77E-01
0.67	13	86	2.29E-02
0.50	4	23	8.57E-01
0.70	63	263	6.53E-01
1.17	61	259	9.93E-01
0.16	1	11	8.80E-01
0.72	121	612	1.00E+00
0.83	10	20	2.16E-02
0.43	150	597	9.98E-01
0.27	69	305	8.08E-01
.	4	15	9.11E-01
1.20	42	184	9.79E-01
0.14	1	26	6.68E-01
0.33	42	199	8.90E-01
4.19	35	154	8.46E-01
0.70	15	73	5.41E-01

.	1	6	2.34E-01
.	1	4	8.63E-01
1.29	5	15	3.40E-01
2.98	4	5	2.94E-01
1.68	3	8	5.84E-01
.	26	134	7.49E-01
.	1	15	3.25E-01
0.40	1	14	8.25E-01
.	2	3	6.40E-01
1.07	95	494	1.01E-01
1.40	8	52	5.39E-01
.	7	29	8.35E-01
0.49	1	17	7.90E-01
.	4	5	9.52E-01
.	2	13	7.10E-01
1.24	6	11	3.30E-01
.	2	6	8.89E-01
1.52	36	130	8.94E-01
.	50	212	6.78E-01
2.22	4	17	9.13E-01
1.84	3	10	4.40E-01
0.82	23	116	5.04E-01
.	4	5	1.36E-01
0.94	20	66	9.99E-01
0.75	83	442	1.00E+00
1.56	14	47	4.53E-01
0.45	1	8	8.99E-02
0.85	21	129	5.32E-01
3.03	9	42	5.75E-01
2.11	65	186	5.51E-02
2.78	14	22	1.01E-01
0.62	43	174	9.99E-01
1.14	5	19	1.25E-01
0.76	10	41	9.17E-01
2.76	14	39	4.80E-01
1.16	5	19	9.26E-01
2.55	30	72	9.92E-01
1.40	60	242	9.68E-01
1.29	9	30	6.10E-01
.	19	67	2.80E-01
.	15	71	6.74E-01

0.25	67	249	4.55E-01
2.01	24	88	9.19E-01
2.69	10	31	4.59E-01
.	75	395	8.68E-01
0.98	7	39	3.85E-01
0.37	10	54	6.79E-01
.	13	30	2.13E-01
1.26	9	25	8.95E-01
0.96	129	509	7.05E-01
1.99	21	116	2.67E-01
.	2	10	7.39E-01
.	188	796	9.02E-01
2.57	7	25	1.38E-01
1.42	1	10	7.64E-01
0.88	4	13	5.80E-01
1.24	36	119	9.57E-01
5.16	4	14	2.53E-02
1.03	3	7	6.22E-01
1.20	15	51	7.15E-01
1.28	2	16	8.97E-01
.	3	12	3.97E-01
.	6	21	3.96E-01
.	7	25	6.82E-01
2.34	30	137	9.91E-01
0.56	27	136	9.42E-01
1.15	32	201	2.00E-01
1.15	37	105	3.15E-01
.	4	5	3.37E-01
.	9	40	8.15E-01
1.27	113	482	1.00E+00
4.22	21	54	6.06E-01
0.86	21	129	3.87E-01
0.10	77	320	3.48E-01
0.60	3	17	9.80E-01
.	22	122	2.46E-01
2.77	10	50	4.87E-01
2.07	5	26	8.91E-01
.	4	24	7.04E-01
3.50	8	42	1.23E-01
0.65	16	111	1.00E+00
0.28	18	64	5.80E-01

0.64	1	22	3.41E-01
1.59	22	95	8.02E-01
.	5	13	4.95E-01
.	1	6	8.50E-01
.	2	6	8.61E-01
.	3	13	4.33E-01
1.17	4	22	8.90E-01
1.72	7	40	9.15E-01
0.63	12	88	8.43E-01
.	3	27	7.46E-01
.	1	5	2.21E-01
.	2	17	9.39E-01
.	1	4	7.73E-01
.	1	19	6.80E-01
.	2	5	4.30E-02
.	1	4	2.06E-01
.	0	8	7.51E-01
.	2	4	7.98E-01
2.57	2	36	5.99E-01
0.55	1	9	2.12E-01
0.64	0	6	7.41E-01
2.05	10	15	1.64E-01
1.39	55	235	8.27E-01
1.96	16	35	4.32E-02
1.12	80	374	9.36E-01
0.81	98	370	6.94E-01
1.34	62	228	9.84E-01
0.78	4	7	3.28E-02
0.32	12	85	3.54E-01
.	11	67	6.77E-01
0.48	42	156	5.89E-01
.	2	6	8.62E-01
0.40	3	25	6.47E-02
1.92	17	61	7.34E-01
.	15	73	7.71E-01
3.98	5	9	1.94E-02
1.06	16	75	9.79E-01
0.98	44	174	1.00E+00
1.24	21	89	7.65E-01
.	1	4	7.72E-01
3.16	4	19	5.50E-01

0.68	14	93	5.16E-01
.	1	5	2.10E-01
2.15	46	159	8.77E-01
0.85	3	14	1.85E-01
0.08	5	34	7.22E-01
.	57	276	4.62E-01
.	1	9	9.57E-02
.	8	16	2.72E-02
1.58	39	203	1.08E-01
0.83	3	11	9.48E-01
0.07	1	11	7.70E-02
.	78	321	4.39E-01
.	24	130	8.72E-01
.	8	25	8.27E-01
0.99	7	24	9.71E-01
.	0	6	5.33E-01
.	19	82	9.04E-01
.	16	57	8.33E-01
0.50	5	14	1.10E-01
.	6	54	2.77E-01
.	92	395	9.67E-01
3.34	192	793	7.68E-01
0.62	2	16	9.48E-01
.	3	5	3.93E-01
.	54	213	6.31E-01
0.21	4	12	7.44E-01
0.36	0	9	9.22E-01
.	5	18	1.91E-01
.	16	59	1.83E-01
.	4	8	3.34E-02
1.12	2	12	9.15E-01
.	2	7	8.73E-01
1.19	2	12	8.99E-01
0.79	7	11	8.61E-01
0.98	1	11	7.45E-01
.	13	37	4.18E-02
0.70	2	10	2.34E-01
1.05	10	80	5.96E-02
1.86	8	19	2.75E-01
0.33	8	30	1.40E-01
0.40	26	170	4.04E-01

0.50	5	20	5.29E-01
1.24	11	36	4.10E-01
2.82	5	12	4.33E-01
1.15	26	108	8.29E-01
0.37	6	36	6.75E-02
0.95	8	46	9.84E-01
1.50	2	13	7.10E-01
1.23	20	86	7.28E-01
0.91	3	20	9.86E-01
.	3	15	4.41E-01
0.90	1	10	7.71E-01
0.43	1	11	7.17E-01
3.90	61	271	8.98E-01
1.91	3	6	9.23E-01
.	37	263	1.36E-01
0.95	2	9	8.96E-01
1.31	22	65	1.00E+00
0.58	37	150	4.22E-01
2.88	9	22	2.39E-01
0.84	22	76	9.97E-01
1.31	117	468	7.42E-01
1.74	124	528	3.03E-01
0.87	41	184	1.00E+00
.	59	262	9.93E-01
0.84	4	6	9.21E-01
.	5	19	7.32E-01
.	12	46	9.45E-01
1.36	19	112	5.59E-02
.	2	11	9.28E-01
.	4	22	2.84E-02
0.65	10	62	8.03E-01
.	6	24	8.79E-01
.	6	35	7.41E-01
.	15	70	9.98E-01
.	2	10	7.43E-01
.	5	35	7.11E-01
3.32	29	98	4.71E-01
.	1	6	8.80E-01
0.55	14	39	3.91E-01
.	3	7	8.17E-01
1.08	15	56	8.01E-01

0.60	33	139	7.46E-01
1.12	3	20	7.47E-01
0.64	8	49	9.29E-01
2.05	48	130	1.76E-01
1.33	60	245	8.41E-01
0.71	70	328	5.26E-01
0.53	88	364	5.51E-01
0.53	53	227	1.00E+00
0.86	142	578	8.16E-01
0.78	2	10	9.41E-01
0.99	14	53	4.44E-01
0.68	3	18	7.18E-01
2.37	4	11	1.93E-01
.	24	104	9.99E-01
.	20	63	2.52E-01
0.99	26	112	5.10E-01
1.92	24	136	4.91E-01
4.63	6	16	1.28E-01
0.79	3	17	9.91E-01
10.74	12	29	5.61E-01
0.54	31	104	8.34E-01
1.82	25	90	9.14E-01
0.40	1	17	9.38E-01
0.69	6	13	6.75E-01
1.02	18	91	8.82E-01
.	21	107	7.74E-01
1.62	6	24	4.93E-01
.	3	8	1.19E-01
.	12	38	6.12E-01
.	4	4	6.20E-02
.	0	5	7.59E-01
.	3	5	5.86E-01
0.69	82	376	3.13E-01
0.85	52	154	8.11E-02
0.88	6	15	9.98E-01
0.90	276	1139	8.50E-01
1.81	14	55	6.38E-01
0.52	8	39	9.79E-01
3.05	30	98	8.23E-01
25.87	14	72	6.68E-01
0.18	10	73	6.15E-01

0.84	78	436	5.67E-01
1.57	4	7	5.92E-03
.	6	14	2.68E-01
0.96	16	54	4.71E-01
1.35	12	55	9.34E-01
.	2	4	4.70E-01
2.14	12	29	4.00E-01
.	1	5	1.39E-01
.	2	5	9.06E-01
0.93	17	82	7.19E-01
1.24	67	353	1.99E-01
0.41	4	23	1.40E-01
2.18	74	304	6.12E-01
.	2	4	3.00E-01
2.34	11	45	4.15E-01
.	0	6	6.17E-01
1.04	11	64	9.67E-01
.	8	50	8.94E-01
.	8	14	1.77E-01
0.13	0	15	7.38E-02
0.52	47	176	8.89E-01
1.65	6	21	2.83E-01
0.96	1	5	8.58E-01
0.71	55	289	7.95E-01
0.34	16	71	1.97E-01
2.21	7	13	1.86E-01
0.72	47	218	8.43E-01
1.02	6	14	8.91E-01
1.34	14	36	3.93E-01
0.71	19	51	6.01E-02
.	3	7	3.72E-01
0.44	25	127	3.26E-01
1.25	13	67	3.05E-01
0.49	24	110	9.21E-01
2.48	55	242	2.89E-01
.	18	62	8.79E-01
3.02	4	16	6.14E-01
0.15	20	121	8.72E-01
0.54	34	155	8.44E-01
.	4	9	5.22E-01
4.06	26	119	6.16E-02

1.57	12	53	8.26E-01
0.75	3	22	2.09E-01
3.48	27	100	1.00E+00
.	4	35	2.01E-01
0.16	1	29	2.22E-01
1.08	9	39	9.72E-01
.	2	7	5.94E-01
0.22	30	110	8.66E-01
0.91	7	19	5.34E-01
.	13	85	8.03E-01
0.98	99	526	5.63E-01
2.73	39	202	9.27E-01
1.01	72	316	9.33E-01
.	76	310	1.00E+00
0.65	61	272	4.39E-01
1.09	46	268	9.10E-01
0.83	7	44	9.62E-01
.	1	10	6.41E-01
2.62	14	56	9.27E-01
0.27	21	101	8.71E-01
0.35	1	7	8.11E-01
.	20	90	9.22E-01
.	0	5	6.91E-01
.	1	4	1.23E-01
1.16	15	73	9.80E-01
.	4	16	6.35E-01
0.80	42	224	7.51E-02
2.32	95	400	1.00E+00
0.12	38	158	7.49E-01
1.47	11	71	9.70E-01
0.61	66	325	8.96E-01
0.84	1	16	5.84E-01
1.17	8	31	8.46E-01
1.49	42	155	3.97E-01
3.93	120	482	4.45E-01
3.65	9	26	6.35E-01
.	16	93	9.94E-01
1.05	36	142	8.34E-01
.	71	331	6.38E-01
.	6	14	3.18E-01
.	4	29	3.98E-01

.	1	4	7.11E-01
.	6	24	1.45E-01
1.95	8	27	5.23E-01
.	20	71	4.35E-01
1.03	1	10	9.07E-01
.	2	14	5.21E-01
2.33	12	34	3.59E-01
1.19	26	147	1.58E-01
0.95	56	232	8.18E-01
.	6	16	9.37E-02
2.38	4	11	2.26E-01
1.66	118	486	1.00E+00
0.55	5	33	4.87E-01
.	7	18	2.09E-01
.	14	47	9.88E-01
.	12	72	7.29E-01
.	7	19	4.81E-01
.	15	59	9.02E-01
0.35	5	49	4.15E-01
0.54	36	164	9.25E-01
.	2	3	7.27E-01
1.15	47	207	9.18E-01
0.50	115	596	1.00E+00
0.15	28	150	8.51E-01
0.62	87	401	8.34E-01
0.64	23	98	9.99E-01
.	4	36	5.62E-01
0.62	5	22	8.73E-01
6.93	10	34	3.17E-01
6.09	21	96	6.39E-01
0.38	1	9	9.34E-01
.	2	3	6.49E-01
1.17	8	28	3.05E-01
0.85	4	15	5.62E-01
1.61	6	18	1.67E-01
0.46	4	29	8.41E-01
1.65	3	15	6.87E-01
0.52	1	18	7.15E-01
0.29	10	43	3.04E-01
1.68	11	46	7.02E-01
.	3	13	1.46E-01

.	1	11	3.62E-01
.	5	20	9.32E-01
7.06	4	18	2.96E-01
.	5	27	1.22E-01
.	0	6	5.83E-01
.	15	72	5.46E-01
.	51	252	1.00E+00
.	12	95	3.45E-02
0.44	7	43	5.90E-01
.	42	158	5.52E-01
0.11	13	54	1.11E-01
1.59	3	11	6.15E-01
1.34	217	1228	4.99E-01
0.87	89	353	9.43E-01
0.74	10	61	6.20E-01
2.22	57	239	9.82E-01
0.46	62	289	8.92E-01
.	40	139	1.00E+00
.	0	7	7.19E-01
.	1	5	7.80E-01
.	51	238	8.32E-01
.	5	13	6.33E-01
.	2	6	3.71E-01
.	12	46	9.46E-01
0.51	29	111	3.40E-01
.	3	9	6.88E-01
0.45	12	53	6.55E-01
0.55	4	16	3.32E-01
.	1	7	8.92E-01
.	1	4	2.91E-01
2.52	72	234	5.22E-01
.	4	7	7.40E-01
.	13	49	8.75E-01
2.58	83	350	8.21E-01
2.78	15	80	1.26E-01
.	15	66	5.24E-01
.	1	5	7.84E-01
4.08	9	19	1.97E-01
.	1	4	4.46E-02
.	26	83	2.32E-01
1.84	2	17	4.92E-01

0.58	33	162	9.60E-01
.	5	29	3.47E-01
.	31	113	8.91E-01
.	78	335	7.08E-01
4.65	3	6	6.08E-02
1.77	9	13	3.45E-02
1.22	59	223	2.63E-01
.	3	21	8.32E-01
.	4	15	7.60E-01
.	1	10	6.73E-01
.	1	5	7.58E-01
0.38	1	10	2.29E-01
.	1	29	5.14E-02
0.84	30	129	4.36E-01
2.97	0	5	5.68E-01
.	6	16	5.33E-01
.	10	54	3.93E-01
.	4	37	9.14E-01
.	6	57	2.87E-01
.	2	9	1.18E-01
.	3	14	5.12E-01
0.93	17	47	6.55E-02
.	8	11	3.93E-03
.	4	5	5.57E-01
1.10	43	130	3.68E-02
1.42	7	34	6.11E-01
.	4	5	6.51E-01
0.70	69	260	7.02E-01
2.37	2	3	4.14E-01
0.64	39	162	2.74E-01
3.13	9	59	3.89E-01
2.02	39	188	1.00E+00
.	16	38	1.63E-02
.	9	23	5.32E-01
1.49	1	11	6.46E-01
.	29	168	6.22E-01
.	14	52	6.62E-01
0.36	7	80	4.19E-01
0.87	26	105	7.66E-01
.	1	4	2.39E-01
0.97	60	255	4.95E-01

.	1	13	3.31E-01
.	117	482	1.84E-01
.	85	408	5.85E-02
1.49	2	22	3.93E-01
.	17	80	8.44E-01
.	55	226	7.53E-02
.	11	49	8.50E-01
3.30	23	115	2.06E-01
.	4	12	6.49E-01
.	1	9	6.90E-01
.	0	8	7.48E-01
1.89	3	30	5.71E-01
0.71	6	30	5.26E-01
.	0	16	2.45E-01
.	4	4	9.03E-03
1.41	4	19	8.82E-01
.	1	6	7.75E-01
0.06	0	5	9.64E-02
0.43	18	105	3.61E-01
1.08	9	51	5.63E-01
1.09	42	224	9.10E-01
0.90	23	117	6.36E-01
.	2	22	7.21E-01
1.59	18	55	4.13E-02
.	4	11	1.96E-01
.	13	64	2.93E-01
.	84	333	6.67E-01
1.37	6	28	5.27E-01
.	4	9	5.07E-01
1.03	24	87	4.87E-01
0.46	2	12	2.21E-01
7.11	11	14	9.64E-03
0.76	39	156	5.13E-02
0.81	81	387	1.00E+00
1.99	20	106	1.00E+00
1.20	2	3	7.48E-01
1.14	2	9	5.87E-01
.	1	11	9.08E-01
2.63	7	24	7.68E-01
3.28	3	5	2.25E-01
2.74	31	79	4.68E-01

.	5	8	2.16E-01
0.90	35	212	5.28E-01
0.83	103	514	3.28E-01
0.64	12	39	2.65E-01
.	6	25	1.95E-01
.	9	77	6.35E-01
0.33	153	894	1.14E-01
.	17	94	6.52E-01
.	2	14	7.36E-01
0.89	12	52	7.03E-01
.	5	18	8.89E-01
.	0	11	7.89E-01
0.88	8	22	6.85E-01
0.47	3	28	9.00E-01
1.08	104	422	9.99E-01
0.83	9	34	9.99E-01
0.92	13	103	1.23E-01
.	0	5	1.61E-01
.	5	13	5.79E-01
0.79	48	225	9.31E-01
1.26	88	375	7.37E-01
1.97	59	227	9.12E-01
0.73	5	22	6.98E-01
2.18	11	50	4.08E-01
1.71	12	97	2.33E-01
2.41	15	58	3.91E-02
0.71	71	337	9.98E-01
0.55	27	145	3.57E-01
0.88	4	45	4.37E-01
0.74	25	103	1.00E+00
0.70	78	381	9.17E-01
0.93	6	22	7.40E-01
1.21	89	391	9.32E-01
0.98	10	51	9.35E-01
1.00	11	55	5.26E-01
0.57	22	168	1.28E-01
3.36	13	41	8.90E-01
0.81	11	78	1.15E-01
0.22	12	55	6.27E-01
.	10	22	9.07E-02
1.02	40	172	9.19E-01

.	79	317	5.76E-01
2.17	87	449	2.87E-01
0.57	9	15	1.55E-01
1.77	4	14	5.18E-01
1.20	184	905	5.68E-01
1.96	262	1235	9.34E-01
0.59	147	619	3.89E-01
3.08	1	9	8.10E-02
1.36	2	21	6.99E-01
.	17	64	5.67E-01
1.65	33	136	4.86E-01
0.86	4	33	6.55E-01
0.47	13	80	1.94E-01
1.51	511	2185	1.00E+00
0.04	57	344	9.29E-01
0.90	432	1793	8.45E-01
2.11	42	163	1.00E+00
0.94	92	467	9.91E-01
1.41	576	2172	6.37E-01
0.60	6	37	9.20E-01
1.11	25	116	4.55E-01
0.83	4	9	6.35E-01
.	25	99	7.18E-01
1.86	10	39	4.04E-01
2.28	15	48	2.91E-01
3.13	29	156	1.00E+00
0.99	53	204	8.60E-01
1.44	14	43	4.52E-01
1.46	21	96	6.35E-01
1.97	29	166	4.24E-01
.	1	4	5.03E-01
1.86	9	31	3.31E-01
1.16	4	12	8.42E-01
1.17	8	44	5.26E-01
1.87	15	38	2.40E-01
1.20	11	49	9.97E-01
.	2	5	7.30E-01
.	19	83	4.78E-01
.	0	5	2.42E-01
0.94	5	23	9.63E-01
0.41	0	6	7.91E-01

0.29	2	21	5.34E-01
.	2	9	7.35E-01
3.01	48	197	2.80E-01
.	3	24	9.27E-01
1.25	162	716	1.00E+00
.	29	96	5.67E-01
.	51	192	8.08E-01
.	4	25	9.57E-02
1.19	202	893	7.17E-01
1.07	106	480	1.00E+00
1.29	5	16	1.72E-01
1.25	45	201	1.00E+00
0.56	34	189	9.95E-01
0.45	41	296	9.22E-01
0.34	78	410	6.10E-01
1.25	2	9	6.70E-01
.	1	11	8.72E-01
1.68	29	135	9.74E-01
.	1	11	9.25E-01
0.25	5	26	3.85E-01
.	27	116	9.19E-01
.	12	84	7.91E-01
1.13	2	7	9.30E-01
0.31	2	32	8.17E-01
0.95	26	94	5.84E-01
3.09	23	71	1.37E-01
0.59	95	380	9.92E-01
1.29	117	465	8.85E-01
0.90	43	207	1.00E+00
0.72	17	110	8.09E-01
1.29	11	36	9.41E-01
1.51	44	174	5.01E-01
1.58	41	246	5.05E-01
1.06	101	409	6.48E-01
1.14	20	74	1.32E-01
0.86	85	390	8.92E-01
1.15	72	268	8.03E-01
1.68	30	86	8.63E-01
1.49	4	10	5.52E-02
2.37	8	9	2.51E-01
3.39	7	8	8.66E-02

1.23	1	4	2.39E-01
3.80	23	91	5.95E-01
1.03	16	70	5.89E-01
0.76	3	8	9.34E-01
0.83	2	8	6.01E-01
0.31	23	117	7.32E-01
0.94	36	144	7.23E-01
1.10	8	30	9.91E-01
1.68	15	34	4.64E-01
0.78	72	348	4.52E-01
.	2	5	7.91E-01
1.91	67	290	6.94E-01
1.37	71	285	6.17E-01
2.13	120	387	3.48E-01
0.92	15	88	7.26E-01
0.80	196	870	9.65E-01
0.98	53	209	9.44E-01
1.00	137	635	8.55E-01
0.81	9	31	6.38E-01
0.98	54	203	4.90E-01
1.09	14	57	8.49E-01
0.87	20	117	9.38E-01
2.53	19	36	4.61E-02
0.67	7	36	9.89E-01
0.82	93	388	1.00E+00
1.07	135	564	8.97E-01
0.90	28	118	7.63E-02
2.34	59	224	1.00E+00
1.18	109	458	8.02E-01
0.53	79	302	8.88E-01
1.03	24	126	9.96E-01
1.07	49	203	9.12E-01
0.82	79	336	1.00E+00
0.81	91	428	1.00E+00
1.39	108	431	1.06E-01
0.64	7	51	9.24E-01
2.12	16	83	8.09E-01
5.28	3	5	2.05E-01
1.73	208	820	5.74E-01
1.14	18	88	5.85E-01
0.39	96	454	9.99E-01

1.11	195	795	3.05E-01
1.35	45	187	9.83E-01
2.08	9	29	7.26E-02
0.92	1	20	7.46E-01
0.45	5	10	3.26E-01
.	2	6	2.51E-01
0.78	57	213	8.34E-01
0.28	4	33	7.36E-01
0.51	110	577	7.73E-01
.	16	80	7.01E-01
2.44	17	88	9.75E-01
.	3	16	7.67E-01
.	0	7	3.53E-01
2.57	11	34	8.16E-01
.	11	42	9.24E-01
.	5	37	8.76E-01
1.39	255	1093	5.23E-01
.	0	8	4.56E-01
0.25	27	134	9.21E-01
.	34	132	4.99E-01
3.12	11	42	5.02E-01
0.40	0	13	5.15E-01
.	1	7	8.67E-01
0.14	2	10	4.55E-01
2.17	12	38	5.06E-01
.	79	357	9.85E-01
.	0	27	4.25E-01
2.20	3	6	2.01E-01
.	1	5	1.74E-01
.	9	37	2.46E-01
1.88	5	15	1.66E-01
0.88	65	217	6.02E-01
0.06	65	281	3.80E-01
2.20	10	57	2.10E-01
.	0	13	9.83E-02
.	4	7	3.39E-02
1.18	40	172	1.00E+00
.	41	207	9.69E-01
.	4	23	9.95E-01
.	17	52	5.80E-01
1.27	30	152	2.39E-01

.	20	107	9.01E-01
0.53	59	259	9.83E-01
1.06	3	16	2.70E-01
0.48	3	26	3.34E-01
1.00	7	33	9.06E-01
3.76	5	21	2.40E-01
2.19	6	14	6.68E-01
0.08	5	22	1.59E-03
0.80	2	10	8.58E-01
.	1	6	8.27E-01
0.97	30	141	1.00E+00
0.86	33	136	9.44E-01
1.10	2	5	8.37E-01
.	3	11	7.21E-01
.	3	18	6.66E-01
.	1	5	2.60E-01
1.56	6	38	5.09E-01
0.34	2	18	9.69E-01
.	4	13	8.14E-01
0.62	3	20	6.55E-01
0.13	4	12	2.45E-01
1.29	7	29	6.29E-01
1.58	4	17	1.29E-01
0.45	1	16	5.15E-01
0.31	3	15	6.68E-01
0.80	12	48	9.52E-01
0.84	9	37	3.44E-01
1.42	2	6	8.20E-01
1.36	9	36	5.68E-01
0.52	31	124	6.87E-01
0.64	5	38	6.87E-01
0.50	85	314	4.87E-01
1.14	36	139	6.55E-01
0.37	1	9	2.18E-01
.	35	105	2.87E-01
.	3	5	2.09E-01
.	15	65	4.57E-01
2.55	3	23	3.36E-01
0.72	50	228	9.84E-01
1.58	128	578	9.99E-01
2.14	27	104	4.83E-01

1.10	143	597	1.00E+00
1.25	85	546	3.27E-01
1.12	104	460	9.47E-01
1.48	43	192	9.81E-01
.	0	9	8.34E-01
1.76	18	45	6.28E-01
.	55	225	6.76E-01
.	90	404	9.28E-01
0.97	10	31	2.65E-01
0.97	29	84	1.33E-01
1.25	6	13	3.55E-01
1.72	80	348	1.00E+00
2.30	57	200	2.66E-01
0.37	39	170	7.65E-01
0.97	7	29	4.18E-01
0.79	28	89	8.04E-01
.	6	11	4.64E-01
0.55	19	69	1.18E-01
.	18	103	1.00E+00
.	14	44	9.99E-01
.	5	8	3.45E-02
.	2	11	3.80E-01
.	17	73	8.28E-01
0.87	21	91	8.81E-01
1.54	2	22	4.62E-01
.	21	72	6.82E-01
0.55	1	11	3.93E-01
.	1	13	9.65E-01
1.36	68	295	6.88E-01
0.47	30	139	5.06E-01
1.03	21	67	8.71E-01
0.58	14	49	3.07E-01
2.76	87	358	9.21E-01
.	23	115	9.31E-01
.	4	11	3.93E-01
2.77	33	139	1.00E+00
.	54	221	8.30E-01
0.65	140	586	9.32E-01
.	8	41	6.66E-01
.	3	25	7.64E-01
.	9	52	9.95E-01

1.56	6	33	7.69E-01
0.90	13	75	1.00E+00
1.27	104	452	9.11E-01
.	0	6	7.13E-01
.	13	79	2.45E-01
0.87	6	30	1.15E-01
12.94	20	57	7.10E-01
0.31	4	23	8.99E-01
.	0	20	9.70E-01
.	2	10	9.12E-01
.	3	27	9.47E-01
0.58	5	29	4.31E-01
0.68	56	278	7.24E-01
0.76	9	32	3.51E-01
5.58	3	8	4.91E-01
0.34	1	21	8.04E-01
1.19	5	26	3.70E-01
1.65	9	46	8.61E-01
.	12	28	1.78E-01
1.21	10	32	5.56E-01
2.40	9	33	2.14E-01
.	1	4	3.33E-01
0.13	0	14	4.87E-01
.	3	11	4.71E-01
2.76	2	7	3.72E-01
0.63	9	18	2.09E-01
.	9	50	1.82E-01
3.73	5	9	2.53E-01
0.86	15	82	9.81E-01
3.13	6	18	3.14E-01
0.73	0	8	8.16E-01
.	0	6	8.38E-01
1.25	5	13	1.67E-01
0.94	5	19	2.60E-01
0.47	3	11	9.22E-01
.	1	5	7.18E-01
.	1	9	6.56E-01
1.64	1	10	3.87E-01
.	1	12	7.77E-01
.	2	4	2.76E-01
.	3	5	3.59E-01

0.87	3	7	8.99E-01
.	1	6	8.31E-01
1.10	10	60	1.33E-01
0.59	70	430	2.96E-01
1.20	7	18	4.07E-01
0.69	0	5	7.06E-01
1.46	5	22	7.79E-02
2.01	2	11	6.05E-02
0.32	74	390	6.98E-01
1.27	322	1391	1.00E+00
1.51	218	929	7.93E-01
.	0	5	6.80E-01
1.28	14	47	1.48E-01
.	17	71	9.98E-01
.	1	4	1.96E-01
.	4	11	3.24E-01
0.20	4	18	3.08E-01
0.45	108	567	6.48E-01
0.52	7	27	9.71E-01
0.94	8	41	9.35E-01
2.05	2	11	6.52E-01
.	1	13	3.45E-01
1.26	15	76	7.95E-01
.	33	193	7.33E-01
0.89	11	29	9.99E-01
.	22	143	2.95E-01
0.77	45	164	9.16E-01
2.22	67	373	4.27E-01
1.09	37	155	1.00E+00
0.92	37	164	7.33E-01
.	0	6	6.00E-01
0.96	53	228	6.87E-01
1.18	4	21	3.60E-01
2.03	18	78	7.65E-01
.	2	10	9.32E-01
.	4	27	2.42E-01
0.96	7	32	5.68E-01
0.42	9	26	9.37E-01
1.54	4	22	7.96E-02
7.41	6	10	2.59E-01
.	3	11	1.25E-01

0.99	60	244	1.00E+00
1.43	75	308	8.05E-01
0.58	6	22	5.44E-01
.	39	178	7.52E-01
0.77	6	12	7.80E-04
3.40	11	51	2.82E-01
1.56	21	74	9.98E-01
.	4	23	8.43E-01
0.98	28	79	5.18E-01
.	2	6	6.06E-01
0.66	9	21	7.40E-01
2.06	5	20	5.76E-01
1.49	19	71	8.62E-01
1.01	8	38	6.44E-01
.	1	5	5.55E-01
1.89	73	397	9.21E-01
.	0	6	6.47E-01
0.54	13	97	2.75E-01
0.39	0	6	8.00E-01
1.27	52	201	1.00E+00
0.55	1	24	9.53E-01
0.57	7	51	9.35E-01
4.44	2	5	1.27E-01
.	1	13	8.91E-01
3.73	26	135	7.34E-01
.	13	35	8.53E-01
1.04	86	462	8.78E-01
2.53	9	24	2.30E-02
.	3	13	7.47E-01
.	11	17	1.52E-02
2.07	61	244	8.23E-01
1.96	3	17	7.84E-01
.	5	23	8.89E-01
.	1	4	7.13E-01
.	1	7	8.20E-01
.	4	11	3.22E-01
.	10	14	3.97E-04
.	0	8	8.34E-01
0.41	15	56	1.00E+00
1.35	2	14	9.35E-01
.	2	7	4.84E-01

.	9	34	6.61E-01
.	55	160	7.04E-03
.	59	295	9.40E-01
0.71	6	12	5.21E-01
.	16	53	6.03E-01
1.43	13	39	2.31E-01
.	1	5	2.18E-01
1.83	28	129	9.54E-01
0.33	3	28	2.44E-01
0.42	1	17	7.90E-01
.	3	16	7.29E-01
.	9	23	1.71E-01
0.37	7	48	6.90E-01
1.53	9	70	7.00E-02
0.27	0	14	5.27E-01
0.54	9	24	3.87E-01
.	88	401	8.34E-01
.	4	17	7.90E-01
1.72	10	28	2.18E-01
0.65	34	139	9.18E-01
0.92	2	8	1.70E-01
1.01	41	216	9.76E-01
2.01	31	111	8.61E-01
1.04	82	341	1.00E+00
2.36	9	23	2.26E-01
3.79	5	2	5.75E-01
0.58	8	23	5.79E-02
1.35	88	360	3.69E-01
.	1	4	7.44E-01
.	8	16	3.47E-02
0.55	90	416	9.08E-01
.	0	5	6.21E-01
.	2	4	5.89E-01
0.23	2	22	2.62E-02
0.61	5	27	2.66E-01
1.88	12	57	8.30E-01
0.66	2	23	6.70E-01
1.08	10	37	9.30E-01
0.81	7	34	9.69E-01
0.86	4	9	5.70E-01
3.09	7	16	2.85E-01

.	14	56	7.36E-01
0.41	56	307	9.98E-01
2.96	7	9	9.68E-02
0.34	2	17	6.53E-01
1.22	1	12	9.25E-01
.	52	249	3.58E-01
0.34	3	16	8.01E-01
1.14	24	125	3.48E-01
.	1	6	7.75E-01
1.23	0	5	6.34E-01
0.77	45	216	7.73E-01
0.55	30	108	9.98E-01
0.60	3	11	4.80E-01
0.79	117	529	1.00E+00
1.11	10	44	8.38E-01
1.32	4	12	3.82E-01
0.50	4	49	3.41E-01
.	1	17	9.13E-01
0.71	3	10	9.33E-01
0.59	31	191	4.90E-01
1.03	58	288	9.55E-01
0.81	6	24	7.82E-01
0.15	144	609	1.00E+00
.	267	1119	8.51E-01
0.68	25	91	1.17E-01
1.65	31	113	4.88E-02
0.74	14	55	8.25E-01
0.41	33	135	7.26E-01
0.37	113	598	3.26E-01
1.15	27	127	8.80E-01
1.43	13	60	6.06E-01
0.93	69	310	9.41E-01
1.06	62	230	9.53E-01
1.44	18	50	1.89E-01
0.34	65	303	6.35E-01
1.75	278	1109	8.15E-01
0.93	34	127	1.00E+00
1.16	18	77	6.56E-01
0.71	10	41	8.17E-01
1.50	3	10	2.34E-01
0.84	2	7	1.98E-01

2.09	3	12	5.85E-02
1.23	2	11	8.17E-01
4.93	2	12	9.77E-02
.	2	12	2.35E-01
0.66	4	27	4.12E-01
1.13	8	43	8.61E-01
.	3	15	3.75E-01
0.18	1	11	1.67E-01
8.59	2	6	2.25E-02
0.90	14	66	9.19E-01
0.64	1	22	6.60E-01
1.03	17	72	1.00E+00
0.40	1	18	6.57E-01
.	3	11	5.58E-01
0.66	2	10	6.95E-01
.	6	9	4.49E-01
1.01	11	57	8.33E-01
0.46	35	128	9.04E-01
.	2	7	3.46E-01
0.46	96	409	1.00E+00
1.87	14	43	6.53E-01
1.86	12	52	2.72E-01
3.90	22	71	2.50E-01
2.30	56	280	6.31E-01
0.57	99	477	9.51E-01
0.98	5	27	8.68E-01
0.94	9	23	1.60E-02
0.64	11	37	5.33E-01
0.57	169	626	6.93E-02
1.34	7	24	6.94E-01
0.72	8	41	1.41E-01
.	1	9	3.28E-01
0.81	1	8	2.23E-01
2.44	25	74	1.25E-01
3.17	2	8	8.69E-01
0.69	23	107	6.84E-01
3.01	2	22	1.96E-01
0.27	108	633	2.83E-01
0.53	6	14	4.87E-01
0.83	6	43	2.26E-02
1.18	20	94	8.22E-01

.	10	43	9.15E-01
1.35	28	98	7.06E-01
1.82	69	301	5.90E-01
0.61	31	156	9.41E-01
0.18	3	29	7.12E-01
0.93	5	32	9.08E-01
0.54	23	98	9.12E-01
1.14	32	123	9.93E-01
.	5	22	8.04E-02
0.85	24	88	1.00E+00
2.45	12	53	8.47E-01
1.29	2	3	8.20E-01
0.23	4	38	1.89E-01
0.92	69	278	9.89E-01
0.78	41	143	3.25E-01
.	0	6	7.08E-01
1.15	90	344	1.00E+00
.	5	24	5.87E-01
1.67	5	17	5.55E-01
2.12	2	17	7.69E-01
0.69	31	121	9.49E-01
0.95	10	53	8.52E-01
1.77	7	39	6.49E-01
0.76	14	72	4.09E-01
0.51	12	111	7.28E-01
.	10	59	4.06E-01
.	51	255	9.70E-01
0.25	1	31	7.83E-01
.	5	13	2.96E-01
1.86	6	22	5.89E-01
.	10	64	9.80E-01
1.59	145	623	1.00E+00
1.69	3	14	2.21E-01
1.27	3	20	7.48E-01
1.81	30	99	8.70E-01
1.15	59	193	7.94E-01
1.15	9	44	4.45E-01
2.10	4	20	5.69E-01
1.30	3	18	3.97E-01
.	3	30	2.40E-01
.	1	6	7.74E-01

0.50	1	20	2.66E-01
2.29	9	25	8.41E-01
1.76	26	185	8.48E-03
1.12	14	67	6.34E-01
0.88	134	574	9.88E-01
0.80	86	410	8.74E-01
1.85	3	9	2.44E-01
1.50	4	17	4.58E-01
.	5	21	3.48E-01
.	7	13	4.94E-01
0.93	9	38	3.28E-01
.	41	213	6.11E-01
.	3	14	8.91E-01
2.44	12	39	7.38E-01
1.92	4	14	6.40E-01
0.49	4	39	3.52E-01
.	1	4	6.94E-01
.	48	138	2.80E-01
0.52	148	607	6.44E-01
.	2	10	2.27E-01
0.43	1	15	7.22E-01
.	1	12	7.33E-01
4.14	19	40	1.28E-02
.	26	135	8.18E-01
.	8	40	5.81E-01
.	0	8	7.01E-01
.	1	4	7.79E-01
.	38	164	7.68E-01
0.17	88	316	6.92E-01
1.08	17	63	9.13E-01
3.34	6	27	2.56E-01
6.22	4	8	7.75E-02
0.96	6	28	9.74E-01
1.67	19	107	7.73E-01
4.55	2	6	4.53E-01
1.96	9	30	4.65E-01
1.43	4	19	8.49E-01
.	0	6	8.19E-01
.	33	128	9.15E-01
2.89	5	7	4.56E-01
3.37	54	232	2.59E-01

1.08	3	19	3.92E-01
1.97	10	20	1.22E-01
0.31	3	11	1.96E-01
.	3	19	5.78E-01
0.23	0	9	5.87E-01
2.57	3	12	4.54E-01
2.27	0	6	5.88E-01
1.48	169	594	3.44E-01
1.84	4	20	1.17E-01
0.76	12	70	9.81E-01
.	18	55	8.44E-01
0.64	62	336	7.12E-01
0.96	6	39	5.75E-01
0.65	113	428	9.27E-01
1.64	60	192	3.10E-01
4.19	60	258	6.58E-01
.	46	211	8.34E-01
3.20	14	26	1.65E-02
.	10	27	2.03E-01
1.00	0	6	6.70E-01
.	2	14	8.76E-01
0.36	10	46	5.62E-01
0.25	5	25	3.40E-01
.	11	48	6.35E-01
0.76	33	116	3.17E-01
.	62	242	3.33E-01
0.10	7	60	8.41E-01
0.37	3	37	9.69E-01
1.02	3	16	7.06E-02
1.23	84	317	5.98E-01
1.52	2	5	8.86E-01
.	1	6	1.20E-01
1.93	8	21	3.83E-01
.	7	24	7.71E-01
2.13	8	38	8.31E-01
.	2	4	4.81E-01
.	2	5	3.40E-01
.	10	53	3.55E-01
.	3	14	4.00E-01
0.55	3	26	7.93E-01
0.88	3	20	8.08E-01

0.39	10	65	6.75E-01
.	11	45	7.05E-01
.	6	21	4.39E-01
0.57	2	19	2.21E-01
2.62	5	24	6.19E-01
0.36	24	102	4.62E-01
1.45	6	19	8.88E-01
1.25	27	153	9.01E-01
.	0	9	8.50E-01
.	2	8	9.17E-01
1.33	4	11	7.85E-01
.	5	23	7.35E-01
1.21	26	80	5.06E-02
.	8	29	9.71E-01
1.49	64	264	9.83E-01
.	2	35	4.65E-02
.	1	14	6.09E-01
5.45	10	14	8.36E-01
2.21	7	20	3.96E-01
.	15	99	2.30E-01
.	1	4	8.43E-01
1.50	3	16	5.09E-01
1.07	6	22	6.98E-01
2.59	8	24	2.81E-01
2.30	26	111	7.69E-01
.	0	9	4.54E-01
.	3	38	6.22E-02
.	13	69	4.23E-01
0.60	13	39	3.38E-02
0.47	6	32	3.51E-01
0.69	8	14	6.56E-01
.	4	15	2.87E-01
1.30	18	80	9.79E-01
.	4	17	8.05E-01
1.14	5	24	8.64E-01
1.43	5	26	6.09E-01
3.07	11	62	4.85E-01
.	2	12	5.41E-01
0.56	86	381	6.85E-01
0.43	15	58	1.88E-01
2.39	37	112	3.16E-01

.	2	5	6.05E-01
.	0	7	7.44E-01
.	0	5	3.71E-01
.	6	13	2.98E-01
.	1	5	8.21E-01
6.69	6	10	7.02E-02
.	13	57	7.77E-01
.	21	55	1.41E-01
6.56	44	97	2.08E-02
0.89	11	44	6.88E-01
1.53	13	39	4.61E-01
.	9	41	7.21E-01
4.79	7	17	4.40E-01
.	82	290	3.11E-01
.	4	20	4.45E-01
3.73	3	6	3.05E-01
.	0	5	7.43E-01
.	0	7	6.63E-01
8.24	7	26	3.07E-01
0.67	64	253	2.61E-01
.	12	21	4.88E-01
.	13	57	2.87E-01
.	4	17	3.37E-01
.	10	38	2.65E-01
1.62	50	149	8.75E-01
0.91	74	324	9.75E-01
8.75	40	168	6.91E-01
0.77	9	53	7.51E-01
4.08	13	48	6.75E-01
1.21	20	94	1.00E+00
0.33	101	517	8.30E-01
1.50	6	32	7.15E-01
0.95	14	71	7.78E-01
4.73	14	74	1.00E+00
2.58	94	337	5.22E-01
1.60	43	160	9.92E-01
.	35	145	5.02E-01
1.08	41	150	1.00E+00
.	3	7	1.84E-01
3.46	5	10	5.48E-01
.	0	9	7.85E-01

2.22	2	12	5.55E-01
1.39	42	210	4.33E-01
0.14	0	22	6.93E-01
.	8	32	5.52E-01
1.55	16	82	8.01E-01
0.63	6	36	1.00E+00
.	10	63	1.00E+00
.	82	381	1.38E-01
.	3	9	8.74E-01
.	7	41	3.62E-01
2.01	6	22	8.77E-01
0.61	182	771	9.48E-01
1.50	17	68	2.91E-01
0.66	101	431	9.72E-01
2.98	16	39	1.48E-01
0.76	61	264	7.29E-01
.	3	9	8.51E-01
0.70	4	33	7.68E-01
0.32	11	40	5.18E-01
0.45	1	19	4.46E-01
.	31	180	8.18E-02
.	18	107	8.47E-01
.	1	5	1.18E-01
0.32	0	6	4.11E-01
.	5	27	5.54E-01
.	2	7	8.61E-01
0.34	6	45	7.56E-01
.	3	26	1.57E-01
.	88	324	1.00E+00
2.11	7	22	2.76E-01
0.85	4	16	6.62E-01
.	2	13	9.08E-01
1.66	6	21	3.68E-01
1.55	72	221	3.83E-01
0.19	7	23	5.10E-01
1.39	0	5	6.21E-01
.	4	22	9.84E-01
.	77	312	9.96E-01
.	0	5	6.74E-01
0.81	239	1143	1.00E+00
1.53	88	327	6.66E-01

0.67	7	57	6.85E-01
1.42	130	580	8.22E-01
.	1	7	7.48E-01
.	9	29	9.31E-01
.	0	9	2.66E-01
.	14	52	4.61E-01
2.32	10	50	8.34E-01
0.70	0	17	6.28E-01
.	2	10	2.05E-01
0.28	24	128	8.48E-01
0.12	15	75	8.51E-01
1.36	20	73	9.72E-01
2.15	3	15	8.40E-01
1.54	40	165	8.33E-01
0.61	10	12	3.98E-02
0.97	2	11	8.97E-01
.	3	4	8.29E-01
.	71	244	5.24E-01
0.52	55	272	1.00E+00
1.74	39	177	4.62E-01
0.80	8	38	7.50E-01
1.46	126	490	9.01E-01
0.18	67	254	4.69E-01
.	27	114	9.96E-01
0.30	9	69	1.69E-01
.	0	7	7.90E-01
.	4	7	7.44E-03
0.44	2	12	8.75E-02
.	8	34	8.04E-01
0.91	0	7	2.33E-01
0.41	23	132	5.55E-01
0.99	42	183	9.99E-01
1.54	57	262	8.81E-01
0.86	10	29	9.29E-01
0.82	136	559	7.10E-01
1.39	7	28	9.24E-01
.	10	27	2.85E-01
.	2	9	4.41E-01
0.36	127	550	1.62E-01
3.23	8	28	7.73E-01
.	1	7	8.38E-01

0.71	43	211	9.63E-01
0.85	0	5	6.93E-01
0.13	0	6	3.21E-01
.	10	31	9.54E-01
1.77	34	179	1.03E-01
3.72	1	5	2.58E-01
.	35	141	7.57E-01
0.54	1	8	7.27E-01
1.02	158	741	8.83E-01
4.95	7	16	3.69E-02
2.34	16	49	8.84E-01
0.74	18	131	1.37E-01
.	3	9	9.74E-01
0.71	1	9	4.02E-01
0.82	1	11	7.94E-01
0.94	8	24	2.91E-01
0.61	98	380	6.58E-01
0.59	54	200	8.20E-01
1.29	28	132	8.95E-01
1.84	5	29	4.32E-01
.	63	262	3.95E-01
.	7	48	9.33E-01
.	37	187	6.25E-01
.	25	80	2.08E-03
0.77	243	1056	8.59E-01
.	264	1276	6.39E-01
.	2	5	5.66E-01
.	165	685	9.87E-01
.	2	8	8.14E-01
.	2	9	6.68E-01
.	7	21	6.13E-01
.	4	19	8.78E-01
.	1	8	2.00E-01
.	5	13	3.81E-01
.	13	60	8.65E-01
.	26	95	7.52E-01
.	17	74	9.18E-01
.	57	265	9.09E-01
.	10	21	1.27E-01
.	95	378	9.45E-01
.	2	12	8.02E-01

.	7	14	8.52E-01
4.39	7	10	2.98E-01
.	17	83	9.98E-01
.	23	90	9.68E-01
.	74	343	9.30E-01
.	61	310	2.83E-01
.	32	183	6.54E-01
0.49	101	421	7.84E-01
.	19	103	5.85E-01
.	46	188	5.23E-01
0.76	8	50	9.98E-01
4.11	134	680	6.54E-01
.	5	21	4.00E-01
0.31	40	173	4.73E-01
.	91	367	7.11E-01
.	26	107	8.93E-01
.	2	4	8.55E-01
.	2	6	2.44E-01
.	22	69	9.98E-01
.	64	190	1.16E-02
.	3	14	3.75E-01
.	1	7	8.18E-01
.	8	60	2.01E-01
.	4	27	4.01E-01
.	158	623	4.23E-01
.	7	10	4.10E-01
.	4	21	3.95E-01
.	3	13	1.93E-01
.	3	6	7.76E-01
.	3	20	2.50E-01
0.44	7	44	3.25E-01
.	7	20	9.50E-01
.	24	143	3.02E-01
.	36	175	9.56E-01
.	11	56	7.16E-01
.	28	107	9.82E-01
.	9	41	6.41E-01
.	9	69	3.56E-01
.	19	87	6.65E-01
.	54	152	2.18E-02
.	19	49	3.41E-01

.	7	33	4.68E-01
.	2	20	9.52E-01
1.98	12	69	3.05E-01
.	12	36	8.04E-01
.	22	45	3.21E-01
.	10	57	8.20E-01
.	3	7	8.22E-01
.	1	13	7.23E-01
.	4	1	3.18E-01
.	5	13	7.13E-01
.	67	255	9.56E-01
2.02	6	8	4.23E-01
.	1	21	2.94E-02
0.32	60	252	6.58E-01
.	5	31	2.24E-01
.	4	13	5.66E-01
3.49	141	624	3.06E-01
.	2	42	1.08E-01
.	70	294	6.76E-01
.	3	33	5.98E-02
.	11	45	3.05E-01
.	39	170	9.12E-01
0.92	4	13	5.64E-01
.	9	72	3.69E-01
.	75	339	8.19E-01
.	7	48	7.20E-01
1.60	6	8	1.78E-01
.	66	247	4.09E-01
.	36	143	4.01E-01
.	4	6	5.13E-01
.	29	141	3.41E-01
.	11	46	7.24E-01
.	41	231	9.38E-01
.	2	10	8.27E-01
.	3	13	9.40E-01
2.78	7	26	3.09E-01
.	3	7	8.67E-01
.	18	78	9.94E-01
.	31	97	6.30E-01
.	53	218	9.84E-01
.	4	24	6.36E-01

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.	24	174	6.35E-02
.	7	17	2.13E-01
2.19	13	39	7.65E-01
.	18	49	2.53E-01
.	56	252	1.00E+00
.	395	1439	2.92E-01
.	58	248	9.14E-01
.	71	294	6.28E-01
1.11	283	1233	9.97E-01
.	202	824	2.51E-01
0.27	6	36	4.56E-01
.	5	24	6.35E-01
6.59	5	21	1.09E-01
.	3	7	7.57E-01
.	4	3	2.72E-01
.	3	8	6.14E-01
.	23	98	4.05E-01
.	71	427	1.07E-01
.	5	24	1.33E-01
.	7	43	9.95E-01
0.78	10	43	9.97E-01
.	16	61	9.44E-01
.	19	88	7.52E-01
.	63	351	1.99E-01
.	3	12	8.76E-01
.	12	56	5.24E-02
0.45	9	41	4.01E-01
.	16	87	6.25E-01
2.85	65	356	5.21E-01
.	6	18	8.80E-01
.	30	144	2.36E-01
.	0	7	1.81E-01
.	5	8	3.99E-02
.	3	16	5.85E-01
.	4	8	5.65E-01
.	14	58	3.74E-01
.	3	15	2.08E-01
.	9	47	9.11E-01
.	1	7	3.45E-01
.	7	20	3.09E-01
0.50	362	1244	1.15E-01

.	92	515	3.57E-01
.	132	729	3.37E-01
.	6	28	6.65E-01
.	13	54	9.17E-01
1.31	2	19	8.76E-01
.	7	32	8.14E-01
1.12	21	83	7.32E-01
0.91	5	26	3.81E-01
2.60	83	310	2.93E-01
.	28	129	9.97E-01
.	30	113	2.13E-01
1.23	18	61	6.02E-01
.	39	174	1.00E+00
1.74	12	52	9.53E-01
0.63	25	169	5.66E-01
1.05	32	118	7.54E-01
.	66	242	8.79E-01
.	6	31	7.42E-01
.	36	138	1.00E+00
.	9	18	4.56E-03
.	50	211	9.97E-01
0.39	35	115	3.68E-01
.	30	117	8.30E-01
.	6	32	6.84E-01
.	7	34	3.48E-01
1.28	74	286	4.57E-01
.	23	93	7.80E-01
.	6	6	4.91E-01
4.53	63	288	2.40E-02
.	8	24	4.90E-01
0.60	18	72	6.16E-01
.	52	274	7.84E-01
0.91	101	382	9.19E-01
1.09	5	35	8.80E-01
.	56	227	8.44E-01
2.25	221	938	6.98E-01
.	26	92	8.10E-01
0.08	73	361	6.10E-01
1.37	70	282	9.98E-01
.	11	50	1.38E-01
.	2	5	5.53E-01

.	13	30	4.31E-01
.	102	434	9.94E-01
.	72	240	2.37E-01
.	7	39	3.77E-01
.	8	61	5.88E-02
.	34	148	9.94E-01
1.71	35	145	8.51E-01
.	1	5	7.05E-01
.	1	4	8.12E-01
.	4	4	8.49E-01
.	58	242	6.68E-01
.	5	14	6.87E-01
0.51	5	16	8.92E-01
1.10	55	266	2.66E-01
0.39	23	90	4.02E-02
.	6	21	3.79E-01
.	2	8	5.77E-01
.	38	200	5.17E-01
0.36	7	28	4.86E-01
.	75	353	8.51E-01
.	258	1171	9.99E-01
.	55	244	8.92E-01
.	93	343	3.06E-02
.	191	843	8.68E-02
.	9	45	7.53E-01
0.30	21	81	3.30E-01
.	206	962	7.51E-01
.	17	78	2.42E-01
.	3	13	2.60E-01
.	1	17	2.00E-01
.	8	43	9.85E-01
.	76	343	9.73E-01
.	155	694	5.25E-01
.	3	5	6.18E-01
.	145	683	9.99E-01
.	51	251	3.92E-01
.	3	8	1.44E-01
.	187	923	6.05E-01
0.68	2	19	7.14E-01
0.35	17	83	4.00E-01
.	138	699	6.12E-01

.	3	4	2.91E-01
1.36	63	321	7.84E-01
.	5	21	4.05E-01
.	270	1261	4.27E-01
.	51	150	1.07E-01
.	3	25	2.39E-01
.	5	19	2.63E-02
0.25	14	40	5.28E-01
.	10	20	3.51E-02
.	9	26	1.67E-01
.	9	51	5.65E-01
.	23	92	1.97E-01
.	4	10	1.28E-01
0.41	6	32	7.23E-01
1.96	11	26	5.68E-01
.	3	20	6.48E-01
.	3	8	8.46E-01
.	7	11	1.07E-02
.	16	70	3.60E-01
1.83	11	31	4.95E-01
.	2	12	9.49E-01
.	10	43	9.96E-01
.	34	149	5.79E-01
.	9	69	8.88E-01
.	12	28	5.40E-01
2.60	73	359	6.67E-01
.	13	50	9.59E-01
.	33	84	9.76E-01
.	49	190	5.37E-01
.	84	317	1.00E+00
.	11	70	1.13E-01
.	19	95	1.00E+00
.	11	22	3.49E-01
.	7	14	7.91E-02
.	63	209	4.74E-01
.	4	6	2.97E-01
.	1	6	2.28E-01
.	2	4	2.00E-01
.	73	283	4.53E-01
.	122	550	1.00E+00
.	44	189	9.12E-01

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.	52	218	5.23E-01
.	2	11	3.31E-01
.	2	8	3.48E-01
.	0	10	3.27E-01
.	2	16	4.39E-01
.	27	123	7.10E-01
.	4	7	1.31E-01
.	84	370	9.58E-01
.	4	4	4.54E-01
.	0	5	5.94E-01
.	190	945	3.01E-01
.	63	329	1.87E-01
.	263	1309	7.76E-01
0.72	64	322	8.86E-01
.	0	9	8.89E-01
.	65	319	6.86E-01
.	36	91	2.22E-01
5.07	71	346	6.66E-01
.	1	7	8.85E-01
.	58	204	4.56E-01
.	3	11	1.23E-01
.	0	6	3.93E-01
.	8	45	7.31E-01
0.77	31	131	1.02E-01
.	12	41	3.21E-01
.	5	31	5.74E-01
.	37	168	6.14E-01
.	8	47	9.13E-01
1.53	4	27	6.70E-01
.	0	5	7.92E-01
.	3	9	4.10E-01
1.66	68	260	8.96E-01
3.22	3	16	9.11E-01
.	40	179	7.83E-01
0.61	51	262	3.06E-01
0.08	4	26	6.81E-01
1.00	1	9	8.29E-01
0.32	0	6	5.78E-01
.	3	3	9.36E-02
.	0	9	4.11E-01
.	6	27	5.67E-01

2.21	1	12	6.48E-01
1.00	25	133	1.00E+00
1.73	2	21	6.73E-02
.	2	12	3.62E-01
0.72	34	175	9.87E-01
.	3	4	4.61E-01
0.44	19	92	9.47E-01
1.59	35	212	4.14E-01
4.58	5	37	4.05E-01
.	7	16	3.63E-01
.	5	6	1.46E-01
.	20	49	4.28E-02
.	40	185	8.73E-01
1.28	24	120	8.11E-01
.	1	7	1.79E-01
2.02	3	13	7.49E-01
0.99	48	196	8.59E-01
1.14	51	192	2.78E-01
.	1	13	7.88E-01
.	5	6	3.75E-01
0.70	105	532	8.45E-01
.	3	8	2.64E-01
.	1	5	1.20E-01
7.60	1	9	2.12E-01
1.55	2	20	6.13E-01
.	1	5	6.98E-01
3.41	18	66	8.52E-01
1.21	95	417	9.99E-01
1.24	112	605	3.69E-01
1.40	33	87	7.16E-01
0.17	1	16	4.82E-01
0.97	44	146	6.56E-02
1.37	18	71	7.22E-01
0.54	30	195	4.12E-01
.	33	182	1.21E-01
6.16	6	15	2.13E-01
1.36	7	29	7.42E-01
.	0	17	4.65E-01
.	18	70	5.61E-01
.	90	329	5.77E-01
.	39	200	9.96E-01

3.50	45	159	8.35E-01
.	37	192	2.48E-01
0.34	7	22	1.90E-01
.	9	36	6.18E-01
.	3	2	1.22E-02
0.67	0	8	7.60E-01
0.91	1	8	3.47E-01
0.75	123	573	3.76E-01
0.76	39	162	3.70E-01
.	51	212	1.00E+00
.	6	31	1.63E-01
3.42	6	20	2.19E-01
2.25	31	106	9.28E-01
0.84	8	38	7.31E-01
.	2	6	1.17E-01
1.38	38	172	5.21E-01
0.92	5	15	3.01E-01
0.78	6	14	9.28E-01
.	4	18	6.76E-01
1.34	11	32	9.57E-01
.	2	12	9.42E-01
0.75	3	25	8.61E-01
.	3	6	9.02E-02
0.80	21	93	8.51E-01
.	41	206	1.00E+00
0.45	16	72	6.89E-01
0.95	24	118	9.64E-01
3.26	7	34	9.12E-03
0.61	133	563	8.06E-01
.	14	66	6.63E-01
.	2	14	9.15E-01
.	2	9	9.17E-02
.	0	6	7.07E-01
0.62	183	780	9.48E-01
4.04	7	30	8.07E-02
0.87	8	32	6.87E-01
4.05	3	7	1.88E-01
1.98	6	12	2.93E-02
2.45	3	13	7.87E-01
1.06	4	16	7.23E-01
0.10	12	46	5.00E-01

.	69	284	8.62E-01
.	73	460	4.87E-01
0.69	6	12	9.41E-01
.	4	13	4.18E-01
.	2	3	1.90E-01
9.71	9	33	5.93E-01
.	3	6	6.65E-01
0.63	68	336	9.43E-01
0.99	7	32	8.85E-01
0.36	11	44	8.00E-02
0.41	0	16	9.80E-01
4.79	68	295	8.89E-01
3.07	73	404	9.22E-01
0.42	10	33	2.93E-01
1.85	2	12	2.54E-01
0.84	17	79	9.90E-01
1.51	22	93	9.02E-01
1.03	34	142	8.74E-01
1.04	74	319	9.38E-01
.	76	365	7.86E-01
.	1	21	3.69E-01
.	16	48	2.71E-01
2.51	6	20	2.10E-01
.	3	10	5.54E-01
.	1	6	2.26E-01
0.78	11	58	9.38E-01
.	4	6	7.63E-02
.	1	4	7.93E-01
.	16	46	3.97E-01
0.66	36	209	8.81E-01
.	5	39	8.07E-01
1.81	58	315	5.21E-01
0.43	21	101	1.00E+00
1.54	32	90	5.57E-01
0.20	7	39	7.60E-01
0.38	61	315	1.00E+00
1.21	137	660	9.28E-01
.	7	31	7.64E-01
1.83	68	352	3.16E-01
1.40	6	24	2.28E-01
3.89	18	77	6.83E-01

1.28	9	74	1.90E-01
1.47	26	136	5.66E-02
1.78	5	22	2.12E-01
1.84	1	4	1.31E-01
0.30	31	124	9.14E-01
.	3	6	3.70E-01
0.35	2	10	2.55E-01
1.79	42	132	5.02E-01
4.76	30	80	3.71E-01
8.20	10	21	1.76E-01
.	3	21	8.20E-01
.	4	1	2.73E-02
0.76	74	351	1.00E+00
.	3	6	8.98E-01
.	16	71	6.90E-01
.	1	7	8.89E-01
1.59	27	141	7.83E-01
1.80	42	109	7.15E-01
0.58	29	110	8.20E-01
1.51	25	108	7.18E-01
.	1	6	4.25E-01
0.33	2	18	6.02E-01
.	33	123	4.97E-01
1.30	12	52	8.88E-01
.	12	39	5.21E-02
.	5	12	7.52E-01
.	1	7	7.02E-01
3.80	15	68	8.07E-01
1.38	85	305	9.38E-01
.	38	167	9.93E-01
.	7	83	1.60E-01
.	1	7	8.61E-02
1.27	50	212	1.00E+00
0.35	8	46	9.52E-01
.	20	81	7.79E-01
0.41	5	17	7.74E-02
0.58	7	16	3.36E-01
1.77	57	193	4.94E-01
.	70	317	4.38E-01
2.87	57	211	1.08E-01
1.25	11	69	1.00E+00

2.40	13	41	8.79E-01
.	81	313	9.27E-01
0.46	3	25	7.94E-01
.	64	262	3.34E-01
.	1	6	8.33E-01
.	4	10	8.13E-01
.	13	46	8.22E-01
0.68	16	21	9.82E-01
0.48	10	68	5.01E-01
0.94	1	19	6.16E-01
0.93	15	50	2.63E-01
0.89	3	24	5.14E-01
0.74	47	241	2.83E-01
0.09	0	8	4.08E-01
.	44	230	4.81E-01
3.28	1	8	5.38E-01
0.86	10	33	5.53E-01
0.46	26	97	8.22E-02
1.89	6	19	6.61E-01
0.87	4	23	8.58E-01
0.87	1	7	8.33E-01
3.27	38	169	2.68E-01
1.31	8	22	3.67E-01
0.63	53	201	7.99E-01
1.18	9	23	1.00E+00
0.79	24	127	5.40E-01
1.27	3	10	2.32E-01
.	2	4	1.68E-01
.	8	28	4.44E-01
3.08	4	21	6.24E-01
0.78	41	193	9.99E-01
.	1	6	2.41E-01
0.30	3	22	3.98E-01
.	1	4	3.26E-01
0.32	11	44	9.22E-01
.	18	37	5.02E-01
1.70	17	37	3.37E-01
1.05	7	42	8.87E-01
.	2	5	8.54E-01
.	2	9	9.56E-01
0.15	16	33	1.33E-01

1.08	59	274	5.81E-01
1.20	11	42	7.73E-01
0.28	65	298	3.35E-01
0.90	6	31	8.21E-01
0.50	64	279	8.45E-01
1.06	56	211	5.22E-01
0.93	10	77	9.67E-01
0.57	18	79	9.87E-01
5.01	8	33	5.35E-01
.	12	30	2.72E-01
.	3	10	5.76E-01
6.69	14	50	2.84E-01
1.48	16	61	9.18E-01
.	6	10	4.00E-01
.	3	7	1.83E-01
0.72	13	48	9.42E-01
.	4	33	9.66E-01
.	6	20	4.23E-01
1.29	9	43	7.07E-01
1.66	25	96	9.76E-01
.	32	129	3.80E-01
.	9	46	9.14E-01
0.53	11	56	7.44E-01
.	2	13	9.51E-01
.	4	15	8.03E-01
.	20	174	7.62E-01
1.46	7	37	5.65E-01
0.52	67	297	9.92E-01
.	12	90	6.99E-02
0.85	32	114	3.58E-01
2.69	9	18	6.11E-01
.	1	9	8.26E-01
0.61	18	62	9.42E-01
0.11	10	56	9.31E-01
.	63	320	4.60E-01
.	80	303	5.91E-01
1.12	86	344	9.31E-01
.	8	34	1.79E-01
.	9	51	9.87E-01
7.54	14	36	8.52E-01
0.92	47	150	3.43E-01

0.09	25	71	2.31E-01
.	49	195	1.00E+00
0.43	66	332	8.86E-01
0.88	93	421	9.50E-01
0.90	4	28	8.77E-01
2.33	17	80	2.36E-01
0.96	19	113	9.72E-01
1.14	27	109	1.00E+00
1.75	26	97	9.99E-01
0.05	2	14	5.50E-01
0.57	40	233	9.75E-01
1.65	89	356	9.54E-01
1.05	12	63	2.52E-01
1.61	63	278	1.00E+00
.	3	19	6.69E-02
3.07	5	20	4.33E-01
1.72	15	44	5.98E-01
.	37	223	8.05E-01
0.54	8	55	8.44E-01
.	46	232	6.74E-01
.	0	11	4.01E-01
1.10	22	141	1.00E+00
.	5	28	1.89E-01
7.02	5	27	1.00E-01
.	2	11	3.08E-01
.	40	180	2.18E-01
.	2	20	1.47E-01
.	3	5	6.02E-01
.	0	5	6.57E-01
1.23	1	11	8.98E-01
.	3	14	2.98E-01
.	4	20	3.95E-01
2.36	35	193	1.52E-01
0.87	107	454	4.13E-01
1.35	81	448	8.09E-01
0.61	72	375	5.85E-01
.	1	6	4.99E-01
.	4	11	8.15E-01
0.61	281	1273	1.00E+00
1.98	32	140	4.80E-01
1.05	136	503	1.00E+00

2.73	88	440	6.93E-01
1.17	29	110	3.45E-01
.	32	96	4.59E-02
1.58	47	153	1.86E-01
.	0	5	2.87E-01
.	20	75	4.30E-01
5.19	47	195	5.99E-01
.	2	3	1.94E-01
0.98	131	527	1.00E+00
1.50	21	87	6.83E-02
1.12	12	39	3.77E-01
1.74	28	114	1.62E-01
1.22	10	44	8.69E-01
1.56	5	15	7.04E-01
.	9	48	6.77E-01
.	2	13	1.92E-01
0.50	6	34	1.61E-02
.	1	4	3.98E-01
0.12	89	469	9.91E-01
0.59	9	30	8.37E-02
0.32	4	15	4.67E-01
0.89	4	21	4.88E-01
.	3	10	5.29E-01
.	0	5	6.93E-01
2.21	4	9	6.35E-01
1.49	8	32	2.74E-01
1.21	99	458	1.00E+00
.	9	20	7.15E-02
1.84	6	18	4.49E-01
0.55	1	23	7.82E-01
0.38	26	132	1.00E+00
2.35	5	16	3.06E-01
0.72	7	54	4.38E-01
1.42	17	104	8.62E-01
0.82	3	14	7.44E-01
0.72	3	13	8.55E-01
0.33	5	39	1.63E-01
1.19	1	10	6.55E-01
4.58	91	287	8.49E-01
2.69	48	206	4.70E-01
0.96	38	197	1.00E+00

0.65	28	119	8.48E-01
1.52	18	71	7.27E-01
.	0	6	7.05E-01
0.48	60	273	9.95E-01
1.40	3	11	7.33E-01
0.96	45	190	8.27E-01
2.28	1	8	4.92E-01
1.19	17	74	6.61E-01
1.47	8	36	6.84E-01
0.92	8	41	8.10E-01
.	57	245	1.00E+00
1.03	31	97	6.34E-01
0.82	42	190	7.44E-01
0.55	4	17	4.52E-01
0.42	3	22	5.75E-01
10.62	6	4	2.10E-03
.	41	179	1.00E+00
0.95	79	342	9.38E-01
.	2	8	5.50E-01
0.48	21	106	8.43E-01
1.13	7	28	8.52E-01
5.65	4	14	3.34E-02
.	30	110	3.75E-01
.	3	17	3.43E-01
.	1	4	7.95E-01
.	11	38	8.30E-01
0.88	0	12	6.28E-01
4.37	9	19	1.09E-01
4.75	4	9	5.25E-02
.	47	200	2.59E-01
0.83	40	191	9.33E-01
1.04	38	140	5.33E-01
.	1	8	8.81E-01
.	5	30	5.18E-01
.	2	5	3.28E-01
1.06	27	96	7.25E-01
0.88	4	13	9.89E-01
.	2	16	9.25E-01
0.91	4	18	9.86E-01
1.51	7	18	2.60E-01
1.56	13	55	3.68E-01

0.24	2	21	1.88E-01
0.65	8	41	9.89E-01
2.34	174	827	8.61E-01
2.06	8	17	8.49E-01
2.21	12	46	7.25E-01
0.80	65	320	7.02E-01
.	11	52	9.95E-01
.	6	12	1.02E-01
0.45	9	77	6.85E-01
1.78	6	23	5.04E-02
1.45	16	56	2.74E-01
0.34	18	116	3.62E-01
5.11	2	3	5.03E-02
.	32	146	8.36E-01
2.70	3	8	4.26E-01
3.41	5	5	6.09E-02
.	2	8	3.56E-01
1.80	83	384	7.74E-01
.	1	5	1.96E-01
1.48	19	46	1.08E-01
0.23	4	34	3.52E-01
.	0	6	7.53E-01
2.20	18	75	9.65E-01
0.09	3	17	8.26E-01
1.53	4	22	7.02E-01
0.54	12	78	9.70E-01
1.37	52	228	9.31E-01
0.05	17	80	8.90E-01
1.22	30	144	8.98E-01
0.53	53	275	8.87E-01
0.75	7	28	7.72E-01
1.26	45	234	4.56E-01
1.01	53	229	1.00E+00
2.77	46	123	1.27E-03
1.69	2	8	7.71E-01
1.22	32	153	6.30E-01
1.95	2	5	8.33E-01
0.67	46	154	1.73E-01
.	3	7	2.44E-01
.	29	86	1.40E-01
.	7	15	8.63E-01

1.82	13	65	8.65E-01
1.00	37	147	3.51E-01
.	3	8	2.09E-01
0.55	7	49	6.89E-01
1.39	6	26	1.53E-01
1.56	85	379	9.98E-01
0.90	10	33	6.46E-01
.	3	13	5.75E-01
0.49	146	664	7.00E-01
.	1	6	7.36E-01
.	2	8	7.42E-01
1.50	7	20	8.06E-01
5.38	5	9	1.28E-02
0.48	68	278	5.25E-01
0.68	17	75	8.65E-01
1.24	15	60	9.11E-01
2.40	6	13	2.77E-02
0.53	4	25	2.21E-01
0.06	8	51	5.00E-01
.	30	167	1.53E-01
1.46	22	65	1.00E+00
1.29	6	17	4.49E-01
1.01	3	12	8.83E-01
.	100	439	9.97E-01
.	13	39	5.89E-01
.	1	10	3.09E-01
.	7	18	8.28E-01
0.93	5	29	9.43E-01
1.18	17	95	2.36E-01
.	1	4	6.28E-02
0.12	0	27	1.10E-01
1.45	2	12	9.22E-01
3.85	5	12	3.80E-01
.	28	136	8.76E-01
8.48	116	496	1.10E-01
1.64	7	29	6.04E-02
1.15	22	97	9.74E-01
0.22	41	176	1.00E+00
1.54	6	16	2.56E-02
2.54	4	6	8.05E-01
.	43	138	1.68E-01

2.47	5	16	4.46E-01
.	58	224	9.08E-01
1.71	21	80	8.59E-01
.	2	6	2.04E-01
.	3	24	2.92E-01
.	0	7	4.82E-01
1.12	33	116	9.51E-02
0.81	10	73	4.40E-02
1.83	4	35	6.07E-01
.	39	169	9.99E-01
.	1	9	1.25E-01
1.94	115	370	1.96E-01
1.68	19	84	9.19E-01
0.14	1	9	1.02E-01
0.71	1	6	8.45E-01
1.83	15	64	8.04E-02
.	0	5	8.16E-01
.	29	138	9.99E-01
.	1	8	9.20E-01
1.14	24	75	2.37E-01
4.66	9	47	7.28E-02
2.07	10	51	3.06E-01
0.39	4	21	2.95E-01
2.09	10	35	1.90E-01
.	1	4	2.03E-01
.	7	13	2.93E-01
0.96	54	230	5.67E-01
0.64	1	15	3.52E-01
0.89	3	25	4.80E-01
.	4	18	4.59E-01
1.32	84	381	9.83E-01
2.08	5	23	4.76E-01
0.60	4	13	7.99E-01
0.69	0	11	7.47E-01
.	47	202	2.70E-01
1.97	20	64	6.08E-01
1.21	111	485	1.00E+00
2.61	34	147	9.65E-01
0.86	67	334	5.72E-01
0.78	33	120	8.69E-01
.	0	5	8.69E-01

0.53	7	29	4.97E-01
1.32	11	34	8.04E-01
1.22	275	971	5.07E-01
2.86	17	78	8.89E-01
.	9	26	8.96E-01
0.94	17	54	7.41E-01
2.74	5	18	2.12E-01
.	1	5	7.54E-01
1.41	14	48	4.96E-01
.	2	22	4.88E-01
10.57	11	53	6.48E-01
1.14	42	219	8.56E-01
0.80	8	37	3.84E-01
6.60	4	5	1.62E-01
0.84	12	86	1.42E-01
.	6	15	3.98E-01
.	2	19	1.44E-01
0.09	0	16	3.04E-01
.	24	102	8.99E-01
0.38	4	30	4.63E-01
0.63	66	267	7.15E-01
0.11	3	31	2.61E-01
.	1	5	7.52E-01
.	0	10	8.70E-01
1.23	21	83	1.00E+00
0.91	68	270	7.29E-01
0.48	4	20	7.53E-01
0.14	1	23	4.69E-01
.	58	269	1.00E+00
.	5	10	3.60E-01
.	11	44	6.49E-01
.	0	14	3.06E-01
3.42	6	52	1.91E-01
0.33	0	10	8.57E-01
0.17	0	9	5.74E-01
3.18	7	24	2.46E-01
0.12	69	301	4.64E-01
1.09	7	47	5.43E-01
.	2	19	7.83E-01
1.27	26	93	9.42E-01
0.79	11	44	8.55E-01

1.01	11	41	1.85E-01
0.60	14	72	6.03E-01
.	10	28	2.05E-01
0.67	9	35	9.06E-01
.	54	194	6.35E-01
.	1	4	7.39E-01
.	4	28	7.24E-01
0.96	5	36	9.60E-01
.	3	11	5.80E-02
.	91	351	7.11E-01
.	4	44	7.88E-01
0.76	21	116	9.16E-01
1.29	30	138	8.48E-01
1.12	58	236	6.68E-01
1.07	2	11	9.48E-01
.	67	236	4.28E-01
0.69	5	16	7.81E-01
2.11	6	26	4.23E-01
0.46	71	284	3.06E-01
3.09	3	11	4.70E-01
0.77	3	10	6.14E-01
1.82	8	32	2.52E-01
0.36	3	21	4.89E-01
0.31	3	28	9.83E-01
1.41	11	29	3.54E-01
0.51	38	185	7.41E-01
1.06	8	69	5.65E-01
.	0	6	7.10E-01
.	1	11	6.58E-01
.	4	14	3.90E-01
0.92	49	194	3.38E-01
1.13	89	280	9.49E-02
.	6	42	5.47E-02
.	2	5	1.47E-01
0.97	4	26	8.86E-01
.	17	44	3.45E-01
.	57	278	9.91E-01
0.94	5	22	4.97E-01
4.42	8	12	5.48E-01
0.58	2	19	5.60E-01
2.44	14	16	5.84E-01

.	0	7	6.40E-02
0.87	22	105	6.76E-01
0.12	23	141	8.15E-01
1.48	18	81	1.00E+00
0.74	123	576	4.75E-01
1.11	1	6	6.91E-01
.	4	22	6.07E-01
.	3	5	3.57E-02
0.53	24	115	2.87E-01
1.06	18	92	7.02E-01
2.66	25	97	8.62E-01
.	10	29	9.76E-01
1.02	30	90	5.07E-01
0.92	98	491	9.86E-01
1.45	106	444	9.99E-01
0.39	8	45	4.29E-02
1.40	164	534	8.56E-01
0.50	4	29	6.98E-02
.	15	86	9.81E-01
0.85	59	236	1.00E+00
0.83	184	890	7.48E-01
1.00	281	1075	1.00E+00
0.79	7	48	9.76E-01
.	1	8	9.24E-01
1.93	1	8	4.88E-01
0.32	40	200	5.34E-01
.	22	97	6.56E-01
0.89	21	65	4.06E-02
1.85	3	10	3.98E-01
0.17	0	13	3.85E-01
1.41	94	438	6.66E-01
1.11	16	100	6.04E-01
2.26	6	22	2.18E-01
1.56	20	58	2.26E-01
2.35	51	211	8.24E-01
.	2	23	8.90E-01
2.65	7	20	3.05E-02
.	3	3	4.51E-02
1.03	12	52	7.84E-01
0.04	88	367	2.77E-01
.	13	54	9.73E-01

0.38	60	254	7.77E-01
.	16	49	1.71E-01
.	4	9	8.42E-01
14.36	33	176	8.88E-01
3.79	27	109	9.88E-01
4.42	59	282	6.78E-01
.	112	436	9.97E-01
0.91	12	45	1.00E+00
1.29	50	213	5.73E-01
1.09	85	513	8.63E-01
2.91	8	26	5.07E-01
.	3	10	4.92E-02
1.55	3	14	6.80E-02
.	2	6	5.69E-01
.	9	27	8.98E-01
1.56	11	33	4.65E-02
0.32	16	91	9.63E-01
9.45	16	51	3.90E-01
0.99	38	256	6.76E-01
1.10	89	311	6.32E-01
1.86	2	19	2.30E-01
.	12	33	6.13E-01
1.38	16	67	8.33E-01
0.54	79	358	8.10E-01
1.59	16	67	9.44E-01
0.87	71	315	2.08E-01
0.57	12	60	7.10E-01
1.27	12	60	1.00E+00
1.35	3	15	5.84E-01
1.81	180	758	8.22E-01
0.61	46	213	8.51E-01
1.50	81	378	9.32E-01
0.31	34	150	9.42E-01
0.88	1	7	9.05E-01
.	2	7	9.04E-01
.	2	6	8.38E-02
0.41	35	211	1.15E-01
2.59	26	103	9.99E-01
1.03	20	125	9.99E-01
0.67	10	40	3.03E-01
0.54	36	150	1.00E+00

.	0	12	2.41E-01
.	1	10	3.13E-01
0.95	141	630	1.00E+00
.	30	147	6.87E-01
.	28	140	9.88E-02
4.74	5	21	5.68E-01
2.67	5	10	1.14E-01
0.29	28	136	9.11E-01
2.29	20	90	8.93E-01
3.21	29	105	2.57E-01
1.03	74	261	8.94E-01
.	1	8	3.12E-01
0.41	2	12	8.97E-01
0.30	2	17	2.53E-01
1.44	7	28	3.73E-01
0.22	1	7	4.84E-02
0.67	154	568	6.82E-01
1.26	135	668	9.92E-01
0.94	103	446	9.64E-01
1.00	38	150	6.77E-01
.	29	100	4.55E-01
0.55	190	992	1.00E+00
1.94	10	30	1.00E+00
2.06	45	214	8.96E-01
1.25	67	285	1.00E+00
0.23	93	361	4.42E-01
0.88	12	57	8.86E-01
0.98	1	12	5.60E-01
0.62	7	52	9.17E-01
0.76	9	33	2.83E-02
1.91	38	81	1.11E-01
.	14	53	8.10E-01
.	16	98	1.88E-01
.	7	42	5.10E-01
0.58	16	79	8.62E-01
.	25	86	3.06E-01
5.60	31	112	7.37E-01
.	10	35	2.43E-01
0.45	46	192	4.39E-02
1.09	113	551	9.98E-01
1.25	10	28	6.59E-01

.	11	65	1.47E-01
4.80	8	8	7.56E-03
0.73	19	75	9.94E-01
2.59	3	6	4.68E-01
1.38	100	445	6.67E-01
1.11	17	51	9.19E-01
1.96	9	45	1.98E-01
0.49	2	13	3.28E-01
1.16	23	71	2.88E-01
.	2	4	3.17E-01
.	1	5	4.92E-01
0.10	0	5	3.67E-01
1.13	1	8	7.92E-01
0.39	1	11	6.18E-01
.	8	75	1.47E-01
.	67	317	9.43E-01
0.23	1	18	7.81E-02
.	12	52	9.24E-01
.	2	5	3.19E-01
3.81	6	31	1.93E-01
2.27	13	39	7.78E-02
0.88	86	346	9.87E-01
2.55	16	39	6.18E-01
.	4	30	5.18E-01
0.41	3	13	3.52E-01
1.90	5	45	9.80E-01
1.67	24	79	3.99E-02
0.65	8	36	8.55E-01
1.11	5	16	4.89E-01
0.44	11	56	1.00E+00
1.43	118	499	7.27E-01
1.01	73	317	1.00E+00
1.12	19	75	6.75E-01
0.72	91	392	1.00E+00
0.48	74	278	9.80E-01
0.93	68	313	1.00E+00
1.40	10	52	1.00E+00
.	11	44	5.83E-02
0.95	8	43	2.43E-01
1.79	34	168	8.13E-01
3.24	80	386	1.00E+00

2.25	11	46	8.91E-01
0.66	29	113	4.23E-01
0.50	26	134	1.00E+00
.	7	34	7.35E-01
2.06	7	26	7.55E-01
1.78	76	337	4.86E-01
1.46	32	113	1.39E-01
3.37	70	258	8.62E-01
.	8	51	3.32E-01
0.39	3	54	7.17E-01
2.26	13	31	6.50E-01
0.34	16	69	8.49E-01
.	8	37	8.11E-01
1.30	3	6	6.49E-01
1.60	90	383	7.64E-01
0.93	67	330	9.09E-01
.	3	3	4.92E-01
.	2	11	5.23E-01
.	69	339	8.78E-01
3.57	4	20	3.98E-01
1.27	13	53	2.92E-01
.	7	32	1.29E-01
.	2	10	1.17E-01
0.07	68	357	7.74E-01
3.08	24	114	5.37E-01
3.74	90	393	5.14E-01
0.54	32	178	9.02E-01
1.71	11	46	6.19E-01
1.14	93	412	1.21E-01
0.52	6	33	9.09E-01
.	54	244	1.00E+00
0.17	64	235	3.07E-01
0.51	1	16	8.32E-01
1.18	5	21	7.59E-01
2.34	7	21	2.40E-01
.	24	112	8.87E-01
2.45	59	234	8.78E-01
0.56	15	84	9.46E-01
.	106	523	7.29E-01
.	12	49	9.06E-01
.	45	284	5.97E-01

0.40	15	66	9.01E-01
.	5	45	6.30E-01
.	7	22	4.67E-01
.	9	24	3.21E-01
5.35	8	17	5.13E-01
.	19	87	8.03E-01
0.81	27	117	5.44E-01
0.27	0	14	5.90E-01
.	7	30	4.43E-02
.	6	20	8.29E-01
.	10	67	9.59E-01
0.25	70	313	1.00E+00
.	4	18	6.66E-01
.	4	1	6.43E-01
0.73	99	439	8.69E-01
1.69	25	87	5.03E-01
0.64	68	280	3.77E-01
2.15	55	157	3.14E-01
0.10	4	36	9.80E-01
0.87	4	44	2.48E-01
0.33	14	54	9.52E-01
2.23	58	291	3.98E-01
1.15	281	1281	4.35E-01
1.26	20	87	9.79E-01
2.66	6	20	2.19E-01
0.82	3	22	5.37E-01
.	8	45	4.68E-01
.	7	14	5.68E-01
0.64	2	9	8.61E-01
0.30	1	7	3.73E-01
.	1	8	8.00E-01
.	9	28	1.55E-01
.	1	5	8.97E-01
0.79	36	140	2.14E-01
1.54	74	268	6.50E-01
0.62	11	53	9.75E-01
.	2	15	9.47E-01
1.74	58	316	1.09E-01
1.19	1	10	5.77E-01
.	1	10	8.66E-01
.	2	6	8.21E-01

.	0	5	7.48E-01
0.68	32	120	2.57E-01
.	8	22	4.22E-01
0.72	10	41	9.91E-01
.	101	391	9.36E-01
1.02	69	295	1.00E+00
0.67	11	59	8.99E-01
0.15	2	21	9.94E-01
4.36	5	10	2.38E-02
.	1	8	1.25E-01
0.58	99	481	8.62E-01
1.27	3	11	5.36E-02
1.40	12	33	1.49E-01
2.03	6	12	7.14E-01
1.38	9	33	3.64E-01
1.24	6	31	6.93E-01
1.47	23	129	4.53E-01
.	11	21	3.23E-01
0.11	3	14	2.95E-02
1.65	31	120	3.69E-01
1.36	15	52	6.47E-01
0.61	79	316	8.77E-01
4.67	33	107	3.92E-01
0.96	17	88	3.18E-01
1.97	4	20	6.16E-01
.	2	3	1.29E-01
1.29	9	29	3.70E-01
5.11	1	4	1.70E-01
1.09	0	11	8.37E-01
0.29	1	9	2.11E-01
0.33	3	18	3.27E-01
.	4	16	1.55E-01
1.41	3	15	6.47E-01
0.34	28	139	9.72E-01
1.57	29	144	8.73E-01
1.94	9	38	2.91E-01
.	0	6	6.22E-01
0.69	10	28	9.30E-01
3.35	158	659	6.62E-01
1.32	1	10	8.46E-01
1.20	1	10	7.85E-01

0.44	32	152	9.99E-01
4.13	13	32	9.95E-01
.	10	43	9.86E-01
1.04	3	11	5.81E-02
0.85	33	110	1.50E-01
0.45	8	44	5.95E-01
2.53	62	229	7.15E-01
.	5	42	2.93E-01
4.98	2	6	7.01E-01
1.92	42	163	8.88E-01
0.42	36	181	9.90E-01
2.26	3	10	6.01E-01
1.81	1	5	4.89E-01
.	3	11	8.93E-01
.	21	103	9.37E-02
0.91	7	47	8.13E-01
.	1	10	8.93E-01
.	1	8	5.30E-01
.	30	141	9.16E-01
.	2	7	4.03E-01
0.62	75	395	5.09E-01
1.73	94	392	1.00E+00
.	0	5	8.04E-01
.	4	34	4.44E-02
1.51	4	30	8.66E-01
.	23	60	3.66E-01
.	46	200	1.00E+00
0.89	9	34	5.66E-01
0.30	2	21	4.94E-01
1.09	34	212	6.14E-01
.	1	7	2.41E-01
.	4	24	2.02E-01
.	5	35	3.10E-01
.	17	77	4.02E-01
.	0	7	5.60E-01
2.75	53	271	7.39E-01
0.32	1	7	5.78E-01
0.17	0	8	3.13E-01
0.35	5	23	6.00E-01
2.51	13	41	1.14E-01
0.62	3	28	5.72E-01

2.07	16	30	6.69E-01
1.47	4	7	8.92E-01
.	4	18	8.81E-01
0.09	0	7	2.33E-01
.	15	65	1.00E+00
1.65	79	453	6.32E-01
1.29	1	12	3.37E-01
1.94	6	35	8.52E-02
.	16	60	8.95E-01
.	2	5	8.30E-01
.	3	4	5.89E-02
.	1	5	7.70E-01
.	8	39	1.00E+00
2.54	29	105	6.03E-01
0.85	1	4	7.61E-01
1.18	66	325	5.65E-01
.	1	4	7.16E-01
0.50	87	411	3.38E-01
0.70	14	135	3.31E-01
.	20	79	7.69E-01
0.26	2	6	1.87E-01
0.67	8	31	2.40E-01
2.02	2	3	5.46E-01
0.35	2	20	2.97E-01
.	3	25	4.17E-01
.	2	3	1.13E-02
0.80	62	320	8.48E-01
1.59	54	245	4.12E-01
0.56	2	8	6.24E-01
.	3	8	7.42E-01
2.78	102	472	6.75E-01
.	4	9	6.64E-03
.	1	9	6.53E-01
.	2	6	7.96E-01
.	4	5	7.66E-01
1.15	0	6	6.52E-01
.	2	3	5.55E-01
0.24	3	15	7.26E-01
.	2	4	4.30E-01
.	13	41	1.00E+00
.	4	40	6.14E-02

.	3	11	8.12E-01
0.32	15	100	6.32E-01
1.48	10	30	1.58E-01
1.25	7	18	4.77E-01
.	1	4	4.05E-01
1.38	24	79	5.41E-01
3.00	87	289	3.23E-01
0.23	13	64	4.73E-01
0.71	88	324	8.52E-01
0.95	42	167	1.00E+00
2.50	6	18	1.15E-01
0.07	0	17	7.04E-01
0.82	66	224	5.20E-01
1.33	4	14	2.08E-01
.	3	17	7.44E-01
.	86	358	9.03E-01
.	106	401	2.80E-01
.	18	78	4.09E-01
.	3	34	6.66E-01
.	19	71	8.77E-01
2.11	84	343	9.72E-01
.	7	64	9.84E-01
.	7	30	7.25E-01
0.39	42	234	6.55E-01
0.50	14	67	9.39E-01
.	3	24	8.21E-01
2.44	1	9	3.55E-01
.	6	23	6.18E-01
1.59	97	395	9.58E-01
0.66	8	73	1.26E-01
1.18	136	547	7.89E-01
0.66	2	21	9.00E-01
1.38	39	181	7.88E-01
0.20	15	104	3.90E-01
.	51	240	3.77E-01
.	3	7	1.75E-01
.	0	6	4.24E-01
0.97	10	35	9.61E-01
.	6	41	6.88E-01
.	3	5	1.36E-01
.	7	44	2.76E-01

0.43	0	5	7.98E-01
.	68	290	9.78E-01
3.40	5	11	4.26E-01
1.55	9	34	4.57E-01
0.89	21	87	1.00E+00
1.47	34	152	5.78E-01
0.50	46	203	1.00E+00
.	3	26	7.16E-01
.	71	333	9.44E-01
0.91	108	518	1.00E+00
.	0	12	8.09E-01
2.82	4	28	1.99E-01
0.47	4	17	1.75E-01
1.76	10	33	2.53E-01
.	16	45	5.19E-01
0.06	8	76	6.12E-01
2.22	1	5	4.51E-01
2.60	3	7	4.85E-01
.	3	18	7.57E-01
.	1	11	6.08E-01
.	5	6	1.60E-02
.	1	5	7.75E-01
.	1	9	1.44E-01
1.51	20	135	7.88E-02
1.21	2	11	1.46E-01
1.66	11	34	5.22E-01
0.95	4	35	6.59E-01
1.94	5	9	6.10E-01
.	2	15	4.70E-01
1.11	3	16	8.35E-01
0.39	3	29	9.89E-01
2.63	4	14	4.16E-02
1.20	3	6	1.58E-01
0.67	4	23	9.71E-01
0.32	3	28	9.98E-01
0.30	7	49	9.71E-01
2.36	8	19	5.18E-01
0.53	12	56	9.90E-01
3.59	13	48	2.05E-01
1.87	54	245	8.66E-01
3.70	57	190	5.93E-02

0.96	7	36	4.25E-01
.	63	266	6.15E-01
0.77	1	6	8.41E-01
.	3	9	1.17E-01
.	0	11	7.38E-01
1.20	52	226	6.58E-01
.	6	44	8.49E-01
.	2	6	3.79E-01
.	1	4	2.00E-01
2.79	8	26	9.25E-01
0.07	4	33	5.67E-01
.	7	19	4.96E-02
.	1	9	8.13E-01
0.92	3	9	8.36E-01
0.97	34	149	4.14E-01
.	27	143	6.17E-01
.	9	28	7.07E-01
.	1	22	3.36E-01
0.48	1	11	6.64E-01
.	3	15	7.11E-01
1.56	9	27	3.27E-01
0.97	172	656	9.10E-01
1.26	16	43	9.45E-01
.	2	8	1.59E-01
0.65	1	9	8.68E-01
3.41	90	360	9.94E-01
1.11	12	39	8.67E-01
.	2	7	1.90E-01
0.41	7	40	5.01E-01
1.00	6	46	7.04E-01
1.56	3	10	7.33E-01
0.43	5	20	5.53E-01
.	3	6	9.32E-02
1.75	56	262	7.76E-01
.	24	73	8.03E-01
0.40	0	15	8.91E-01
.	1	7	1.28E-01
.	9	55	3.83E-01
0.35	49	171	2.71E-01
.	10	48	5.36E-01
.	0	5	6.13E-01

0.40	0	7	8.13E-01
.	41	200	8.40E-01
.	10	28	8.05E-01
0.41	7	32	9.84E-01
.	1	8	4.66E-01
3.41	8	22	3.99E-01
.	8	19	4.26E-01
0.87	1	9	8.59E-01
1.38	3	18	6.75E-01
4.47	27	106	8.57E-01
0.31	1	26	6.94E-01
.	38	154	5.86E-01
1.03	3	14	9.09E-01
2.69	12	54	5.77E-01
1.43	13	63	6.99E-01
10.58	5	10	1.88E-03
1.05	181	670	1.00E+00
.	2	6	7.19E-01
0.32	8	29	1.58E-01
.	6	30	6.16E-01
.	24	104	6.99E-01
1.43	16	31	5.21E-02
2.49	79	313	6.14E-01
.	12	76	4.30E-01
3.01	12	34	2.27E-01
3.33	38	155	1.88E-01
1.89	109	398	9.01E-01
1.62	100	494	4.17E-01
.	4	24	9.57E-01
1.89	42	119	2.40E-01
0.72	73	311	9.56E-01
1.81	8	39	9.64E-01
.	68	381	1.20E-01
1.12	3	19	7.58E-01
.	0	15	5.25E-01
.	2	9	4.77E-01
3.00	1	4	1.69E-01
.	8	45	1.58E-01
0.81	11	81	8.30E-01
.	40	224	3.48E-01
.	8	18	1.19E-01

0.62	1	8	8.66E-01
.	11	30	5.31E-01
1.43	3	20	2.24E-01
3.21	6	13	7.49E-02
0.61	3	10	1.93E-01
0.51	3	12	2.11E-01
0.54	7	49	8.21E-01
0.78	5	22	9.83E-01
.	99	399	2.50E-01
.	76	384	6.75E-01
1.17	2	9	2.64E-01
0.52	2	17	9.67E-01
5.53	12	12	1.85E-01
1.00	63	323	8.20E-01
0.33	3	14	5.82E-01
1.97	9	42	6.11E-01
0.51	63	326	9.99E-01
0.70	62	252	7.02E-01
0.80	8	22	7.29E-02
0.27	0	5	4.89E-01
1.46	14	75	7.79E-01
0.85	19	81	1.00E+00
1.63	10	51	9.23E-01
1.32	7	41	9.58E-01
0.78	163	684	8.68E-01
1.33	24	86	5.58E-01
0.74	4	18	8.13E-01
0.28	32	122	2.38E-01
.	38	187	4.13E-01
1.84	8	24	6.22E-01
1.17	6	36	6.45E-01
2.00	93	502	1.55E-01
.	43	183	7.88E-01
.	14	91	9.91E-01
1.41	8	34	7.73E-01
.	0	7	8.35E-01
0.83	4	19	4.04E-01
1.67	33	94	3.69E-01
.	1	5	8.00E-01
.	3	8	6.63E-03
.	0	5	2.92E-01

0.78	5	36	7.09E-01
.	3	3	8.63E-01
.	1	12	3.41E-01
0.16	23	134	2.43E-01
.	2	13	2.75E-01
.	2	4	3.16E-01
.	74	348	8.93E-01
.	11	33	3.09E-01
.	1	4	2.73E-01
3.64	5	15	2.86E-01
.	6	19	5.65E-01
.	1	7	4.25E-01
.	10	55	9.77E-01
.	37	220	1.16E-01
7.38	4	10	1.57E-02
.	0	6	6.33E-01
.	13	55	5.31E-01
3.71	4	14	2.03E-01
.	1	4	9.22E-02
.	7	9	5.06E-01
1.07	7	22	3.79E-01
.	4	12	5.83E-02
4.74	53	212	3.92E-01
.	2	14	2.44E-01
.	9	35	6.35E-01
.	3	7	9.58E-01
.	11	38	7.83E-01
0.48	1	8	1.80E-01
5.76	5	3	3.60E-02
.	13	73	9.89E-01
.	7	17	5.21E-01
1.31	8	30	5.52E-01
.	6	10	4.37E-01
.	2	6	7.83E-01
2.18	7	17	3.24E-02
.	1	7	3.41E-01
0.16	3	13	8.53E-02
1.26	48	229	4.71E-01
1.34	1	14	4.50E-01
0.50	4	33	5.64E-01
1.61	22	57	6.87E-02

1.10	28	156	2.71E-01
1.16	28	135	7.08E-01
0.82	41	160	9.48E-01
2.86	3	12	1.75E-01
4.10	6	39	1.66E-01
0.74	1	16	9.43E-01
0.91	87	399	8.96E-01
1.34	6	17	8.09E-01
1.02	24	68	5.49E-01
.	0	5	4.88E-02
.	1	5	5.89E-01
3.09	3	4	5.47E-01
2.69	16	43	4.93E-01
0.90	8	41	9.99E-01
.	22	105	5.14E-01
1.41	4	39	8.82E-01
0.38	104	342	2.73E-01
1.68	16	87	1.18E-01
.	18	60	8.41E-01
1.01	3	13	8.78E-01
5.16	10	27	9.45E-02
0.78	3	38	4.12E-01
1.13	3	12	4.83E-01
0.08	30	160	5.14E-01
.	0	6	8.81E-01
3.15	30	123	9.32E-01
.	1	6	7.93E-01
2.12	35	167	9.99E-01
0.17	2	18	5.20E-01
0.24	29	105	5.98E-01
2.32	9	23	1.70E-01
1.38	85	405	9.20E-01
.	8	25	4.16E-01
3.69	2	11	1.03E-01
.	2	16	1.55E-01
5.09	10	51	4.69E-01
0.82	52	196	8.16E-01
1.92	8	47	2.59E-02
0.98	62	288	9.97E-01
0.51	70	317	9.98E-01
0.90	53	266	9.72E-01

ACCEPTED MANUSCRIPT

0.83	4	14	3.02E-01
0.58	21	102	9.42E-01
1.39	38	163	9.16E-01
1.06	38	171	6.46E-01
0.75	11	34	8.59E-01
1.27	56	188	6.92E-01
0.10	6	73	1.22E-01
1.06	2	14	8.53E-01
0.28	22	132	9.42E-01
3.48	1	6	3.01E-01
0.09	1	18	8.18E-01
0.54	244	1107	1.00E+00
0.87	38	238	6.61E-01
.	19	134	7.86E-01
0.94	139	649	1.00E+00
1.74	9	35	2.01E-01
1.08	6	41	6.01E-01
1.27	11	49	1.71E-01
1.09	56	249	9.89E-01
1.97	23	86	9.82E-01
0.38	17	66	1.00E+00
1.17	6	28	5.73E-01
0.40	8	23	3.44E-01
0.56	31	134	7.48E-01
0.61	22	81	3.61E-01
0.36	118	540	9.67E-01
1.42	62	225	8.87E-01
1.43	18	67	6.07E-01
1.65	18	78	8.56E-01
1.19	14	62	9.51E-01
0.89	104	553	5.99E-01
0.80	8	32	4.86E-01
.	1	8	8.88E-01
.	5	34	8.96E-01
.	96	359	3.66E-01
.	0	8	6.68E-01
.	3	14	3.37E-01
0.87	60	226	3.32E-01
.	1	6	4.54E-01
.	8	37	2.36E-01
2.46	8	37	1.00E+00

0.33	83	328	6.23E-01
.	2	7	1.16E-02
.	0	8	5.23E-01
0.94	56	202	7.85E-01
.	25	108	2.70E-01
0.62	41	235	9.18E-01
1.05	6	41	7.43E-01
1.35	1	4	7.44E-01
1.09	43	237	7.73E-01
.	8	9	1.63E-02
0.65	9	83	7.31E-02
4.15	4	11	1.03E-01
1.00	7	31	7.45E-01
1.99	19	46	1.09E-01
5.01	58	302	6.99E-01
1.57	27	124	7.17E-01
.	6	12	1.02E-01
0.60	4	22	2.23E-01
0.94	20	66	3.08E-01
.	98	365	4.84E-01
.	10	51	8.07E-01
0.99	7	28	7.99E-01
.	3	30	3.10E-02
1.20	22	87	8.73E-01
.	2	14	6.72E-01
0.45	4	22	1.15E-01
0.51	1	13	8.98E-01
0.55	1	6	1.12E-01
5.63	7	19	1.62E-01
.	3	5	2.43E-02
1.68	11	34	1.61E-01
0.71	26	169	9.98E-01
1.02	16	81	1.00E+00
.	77	270	8.98E-02
.	26	151	6.11E-01
0.14	1	16	4.22E-01
0.59	11	81	9.24E-01
5.69	5	5	5.15E-02
2.53	77	301	4.41E-01
1.78	64	264	1.00E+00
0.78	2	13	7.74E-01

1.00	14	49	6.40E-01
1.22	20	50	2.74E-01
2.61	4	11	5.34E-01
.	17	57	8.21E-02
0.76	71	230	4.52E-01
.	0	5	6.27E-01
3.24	109	447	7.46E-01
.	48	186	4.14E-01
.	116	487	9.97E-01
0.71	15	72	8.38E-01
2.17	11	49	9.19E-01
1.34	4	12	7.95E-01
.	5	20	3.43E-01
.	35	116	2.17E-01
0.96	49	208	5.02E-01
0.05	2	41	8.16E-01
.	43	185	8.01E-01
0.72	2	12	8.91E-01
0.75	10	74	9.38E-01
2.94	26	112	1.00E+00
0.71	22	99	9.95E-01
4.67	11	39	1.18E-02
2.47	9	14	1.40E-01
.	4	12	1.25E-02
.	34	181	2.43E-01
0.07	4	8	4.46E-02
.	12	60	9.90E-01
0.71	2	5	5.77E-01
1.34	2	13	5.24E-01
.	17	70	4.05E-01
1.25	69	327	7.14E-01
.	0	5	6.65E-01
12.04	21	42	5.76E-03
0.29	1	21	1.72E-01
2.26	4	8	1.64E-01
0.97	18	58	2.96E-01
0.30	1	11	6.67E-01
3.75	3	4	1.54E-01
0.87	5	26	8.69E-01
.	1	7	6.34E-01
0.19	2	19	2.83E-01

1.20	11	38	6.83E-01
2.23	16	41	5.07E-02
0.16	0	6	3.85E-01
.	2	5	8.13E-01
1.34	1	5	5.80E-01
0.40	26	119	9.98E-01
.	15	71	9.88E-01
1.16	120	562	7.57E-01
3.95	4	10	2.33E-01
.	1	8	9.38E-01
.	22	115	8.43E-01
.	4	68	2.48E-03
3.83	2	10	3.47E-01
1.08	2	8	6.46E-01
1.19	0	5	6.11E-01
.	5	11	2.14E-01
1.58	3	8	8.63E-01
.	7	20	6.95E-01
2.10	2	7	5.06E-01
.	0	6	6.75E-01
.	43	223	1.00E+00
0.23	6	21	6.08E-01
0.62	15	56	2.73E-01
.	3	5	1.07E-01
.	6	40	8.00E-02
3.29	3	7	4.13E-01
2.09	5	11	4.42E-01
0.79	22	127	9.23E-01
0.49	39	142	7.40E-01
0.40	1	13	7.35E-01
.	21	86	9.58E-01
.	3	10	2.88E-01
.	7	15	7.86E-03
1.73	3	8	4.96E-01
1.60	81	333	1.00E+00
.	6	28	9.60E-01
.	3	4	7.25E-02
2.25	26	102	9.87E-01
.	2	6	9.19E-01
1.59	6	38	1.38E-01
0.81	204	867	8.84E-01

0.73	26	120	8.85E-01
0.10	8	69	5.67E-01
.	3	11	7.65E-01
.	15	60	9.74E-01
1.01	34	120	7.35E-01
1.23	16	109	9.27E-01
1.54	10	25	6.76E-01
.	6	33	5.59E-01
.	32	162	3.57E-01
0.76	54	331	4.41E-01
1.92	5	14	3.61E-01
.	1	5	2.38E-01
.	9	35	9.12E-01
.	1	6	4.04E-01
0.91	18	111	6.74E-01
0.49	20	139	3.32E-01
1.03	26	121	1.00E+00
2.45	4	36	3.30E-01
.	0	8	3.92E-01
.	9	39	6.05E-01
0.30	1	14	6.96E-01
1.75	89	374	5.11E-01
1.51	15	57	8.24E-01
0.47	31	161	1.00E+00
.	11	43	3.15E-01
.	11	47	2.63E-01
0.62	50	245	9.63E-01
1.34	5	20	5.64E-01
0.84	2	18	7.66E-01
.	0	6	4.94E-01
1.09	2	10	7.41E-01
1.19	19	82	7.89E-01
1.07	24	100	3.75E-01
1.15	9	38	6.99E-01
.	5	30	8.80E-01
2.07	9	48	2.11E-01
0.84	2	25	6.83E-01
0.59	4	14	9.24E-01
7.75	3	8	6.65E-02
1.37	23	69	4.12E-01
0.19	2	15	9.81E-01

.	4	23	2.96E-01
2.05	9	40	2.41E-01
0.54	8	38	4.06E-01
0.38	14	35	9.81E-02
0.32	8	36	3.74E-01
2.12	30	104	3.07E-01
3.05	17	69	2.65E-01
0.19	1	9	6.18E-01
4.49	10	10	5.24E-02
0.93	27	100	9.48E-01
1.42	2	12	6.37E-01
0.94	46	273	1.16E-02
.	2	10	7.84E-01
.	3	11	6.13E-01
0.93	10	49	9.73E-01
2.51	67	293	6.19E-01
1.00	6	16	1.00E+00
0.15	7	33	7.64E-01
1.78	5	21	1.29E-01
0.92	125	550	8.91E-01
1.23	5	27	8.51E-01
1.15	52	218	9.96E-01
0.23	2	10	5.43E-01
0.81	6	52	6.27E-01
.	4	8	9.14E-01
.	16	72	8.16E-01
0.33	1	21	4.41E-01
3.81	38	121	4.35E-01
0.83	84	345	9.04E-01
.	3	4	8.77E-01
0.56	4	38	2.83E-01
0.51	60	245	4.05E-01
2.02	86	350	1.00E+00
.	1	22	2.66E-01
2.70	1	4	2.56E-02
.	1	5	3.06E-01
1.11	2	12	8.22E-01
0.60	3	13	2.04E-01
.	28	121	4.59E-01
.	3	5	3.43E-01
0.25	3	12	1.49E-01

2.40	12	30	7.54E-01
.	1	5	4.50E-01
0.98	75	361	9.70E-01
4.42	104	448	9.46E-01
0.23	0	12	9.38E-01
0.57	63	299	7.63E-01
2.23	10	52	4.61E-01
0.64	3	14	9.63E-01
.	20	72	5.37E-01
0.45	6	30	9.84E-01
.	15	81	8.84E-01
.	6	20	4.10E-01
.	7	28	4.81E-01
2.48	7	25	9.93E-01
.	25	108	5.19E-01
.	1	5	1.85E-01
1.00	4	16	2.74E-01
.	2	25	9.14E-01
3.81	9	22	4.28E-01
13.66	5	8	8.93E-02
.	0	5	1.80E-01
0.87	13	56	1.37E-01
1.24	6	40	4.56E-01
1.83	33	161	9.13E-01
.	15	60	3.66E-01
.	71	426	9.26E-01
0.89	105	371	5.39E-01
0.83	9	33	9.29E-01
.	9	40	9.51E-01
.	1	11	4.79E-01
.	2	5	2.57E-01
2.00	92	394	3.56E-01
0.96	29	126	8.41E-01
.	1	6	1.65E-01
.	9	9	4.08E-01
.	2	7	3.80E-01
.	1	7	8.19E-01
0.42	3	22	3.54E-01
1.08	18	62	8.11E-01
2.66	59	217	7.08E-01
0.95	13	54	7.66E-01

.	2	16	2.38E-01
.	8	38	8.40E-01
.	1	8	9.12E-01
0.77	37	149	8.12E-01
.	17	91	8.25E-01
.	20	73	1.00E+00
1.27	7	38	5.45E-01
.	5	36	1.66E-01
.	4	28	4.01E-01
0.90	3	19	3.04E-01
.	26	92	5.08E-02
.	2	6	3.64E-01
.	2	5	6.92E-01
.	4	17	3.49E-01
.	8	39	1.63E-01
1.84	6	25	7.27E-01
.	0	6	5.15E-01
1.11	25	88	9.40E-01
.	64	312	3.16E-01
.	1	8	8.52E-01
1.14	26	42	5.00E-03
.	2	19	3.95E-01
1.02	91	410	9.94E-01
1.34	52	223	6.49E-01
0.98	9	13	9.97E-01
.	8	17	2.54E-01
.	0	7	4.45E-01
1.16	3	8	5.82E-01
3.45	11	41	8.16E-02
0.23	1	18	7.31E-01
.	2	8	3.52E-01
0.81	3	13	1.53E-01
.	11	33	9.58E-01
.	1	6	8.16E-01
1.91	16	78	2.39E-01
.	2	4	9.12E-01
.	1	10	8.95E-01
2.94	4	23	3.19E-01
.	0	5	6.01E-01
6.50	15	69	7.40E-01
.	5	31	7.69E-01

5.52	3	3	5.18E-02
1.21	1	6	7.02E-02
2.83	128	614	4.29E-01
0.24	3	25	4.11E-02
1.53	4	14	5.09E-01
1.63	19	53	7.76E-01
1.19	3	15	5.94E-01
.	2	8	2.93E-01
1.41	9	38	5.43E-01
1.61	54	280	7.39E-01
0.09	3	49	5.96E-01
0.41	77	224	7.23E-01
1.79	36	138	9.08E-01
1.43	0	6	6.31E-01
0.23	20	87	4.56E-01
0.12	19	49	1.97E-01
.	2	18	9.85E-01
.	29	151	8.55E-01
.	5	8	1.38E-01
.	14	49	2.02E-01
.	1	8	8.78E-01
.	2	3	8.99E-02
.	5	8	5.88E-01
.	3	11	3.80E-02
0.94	66	286	9.50E-01
0.21	12	71	5.49E-01
0.55	4	20	9.58E-01
0.44	3	11	1.49E-01
1.42	3	9	3.43E-01
1.99	16	58	8.50E-01
.	9	17	5.37E-01
0.35	35	145	9.30E-01
1.91	3	7	5.86E-02
0.74	4	14	9.24E-01
.	15	75	3.11E-01
.	115	446	9.24E-01
1.07	19	52	5.56E-01
2.26	32	79	1.48E-02
2.57	14	33	2.73E-02
0.13	98	395	9.76E-01
2.39	28	146	9.77E-01

0.25	139	667	1.00E+00
1.60	7	49	7.96E-01
5.22	2	12	5.84E-01
4.67	2	5	9.01E-02
0.80	1	19	8.83E-01
.	0	5	7.40E-01
.	1	6	4.37E-01
.	3	7	2.63E-01
.	1	9	3.16E-01
.	1	6	8.32E-01
.	1	4	7.85E-01
0.68	4	14	8.48E-01
0.68	3	32	9.49E-01
0.13	46	190	2.55E-01
.	20	101	5.25E-02
.	24	85	8.71E-01
1.86	6	14	7.65E-01
1.03	6	27	9.60E-01
0.28	8	38	3.95E-01
.	4	56	2.87E-02
0.10	18	117	7.08E-01
0.80	12	60	8.61E-01
2.37	10	46	2.04E-01
1.35	14	39	7.79E-01
3.38	14	43	3.65E-01
.	1	4	8.43E-01
.	29	81	1.71E-01
.	9	24	2.18E-01
0.84	15	77	9.35E-01
.	29	120	1.00E+00
0.75	2	8	1.87E-01
2.72	10	16	2.53E-01
.	24	76	2.68E-01
.	36	167	4.62E-01
.	1	9	4.91E-01
0.90	26	78	2.38E-01
0.98	101	436	9.97E-01
.	0	6	7.36E-01
.	3	2	1.55E-02
.	2	3	1.43E-02
0.72	4	15	2.67E-01

1.12	4	20	8.99E-01
7.07	7	11	1.90E-02
.	4	14	1.32E-01
.	2	7	9.13E-01
1.27	28	105	9.56E-01
0.63	65	340	3.00E-01
.	2	5	9.11E-01
0.77	1	13	8.07E-01
.	4	16	8.93E-01
.	2	15	6.14E-01
.	2	4	5.29E-02
.	37	184	7.26E-01
1.18	6	52	8.41E-01
1.98	97	386	6.01E-01
0.51	1	12	7.89E-01
1.44	13	42	5.45E-01
.	11	28	4.63E-01
2.00	11	60	8.14E-01
0.51	8	48	7.62E-02
0.88	23	122	9.74E-01
.	1	4	1.47E-01
.	10	53	9.80E-01
0.99	2	5	1.37E-01
0.30	24	107	9.83E-01
.	6	13	7.16E-03
0.57	3	29	5.72E-01
0.67	11	68	4.53E-01
1.41	2	10	2.14E-01
.	3	2	2.04E-02
0.58	1	17	9.36E-01
1.13	4	23	4.69E-01
0.92	6	27	6.42E-01
2.13	4	7	9.31E-02
1.20	23	86	6.04E-03
1.48	16	97	7.08E-01
.	2	4	4.91E-01
0.54	2	10	8.95E-01
0.97	2	13	6.88E-01
0.84	9	31	8.35E-01
.	0	7	7.74E-01
2.44	7	21	1.57E-01

.	37	129	2.40E-01
1.51	173	783	6.64E-01
0.08	12	42	5.59E-03
0.76	7	44	6.29E-01
1.47	43	142	9.11E-02
1.11	39	207	9.27E-01
1.09	40	161	8.56E-01
.	14	86	8.09E-01
.	2	7	8.35E-01
0.62	16	76	6.77E-01
.	11	59	5.99E-01
.	3	3	9.42E-03
1.14	14	48	3.17E-01
2.03	32	147	8.87E-01
1.37	7	23	7.44E-01
1.39	70	372	8.60E-01
1.10	15	78	3.68E-01
.	2	7	2.25E-01
0.29	31	139	4.53E-01
4.70	20	163	4.21E-01
2.41	121	519	8.34E-01
0.48	5	6	3.85E-01
5.19	21	81	7.32E-02
.	78	318	6.37E-01
0.71	109	445	7.83E-01
1.54	12	53	7.37E-01
.	0	6	4.10E-01
.	2	5	8.77E-01
.	11	73	4.77E-01
0.38	65	286	1.82E-01
0.61	2	18	1.57E-01
0.96	68	336	5.00E-01
.	1	22	2.52E-01
.	22	47	5.83E-03
0.85	2	21	8.06E-01
2.64	75	356	9.19E-01
.	1	29	4.82E-01
0.58	8	35	7.13E-01
.	36	182	6.42E-01
.	7	28	4.59E-01
.	2	6	2.99E-02

3.63	8	18	2.17E-02
0.80	6	33	6.83E-01
1.21	3	8	8.77E-01
.	41	147	9.86E-01
.	58	265	7.80E-01
9.06	5	4	1.55E-02
0.81	20	65	9.12E-01
1.38	5	14	5.33E-01
.	9	33	3.70E-01
0.72	4	20	4.60E-01
.	2	11	5.17E-01
.	1	18	3.97E-01
.	9	8	6.57E-01
.	2	4	1.66E-01
0.85	32	198	5.82E-01
0.84	6	30	8.34E-01
0.42	1	7	8.63E-01
.	1	5	9.10E-01
1.72	20	58	2.22E-01
1.05	77	325	9.60E-01
.	1	8	7.39E-01
0.57	1	9	9.39E-01
9.26	2	4	1.15E-01
.	2	11	1.24E-01
1.27	31	74	5.09E-01
1.67	16	47	9.49E-01
1.01	2	15	9.56E-01
.	9	7	4.40E-02
1.71	10	24	5.20E-01
.	38	130	8.34E-01
.	1	4	7.93E-01
0.99	174	780	9.27E-01
4.16	8	11	7.00E-01
0.47	1	14	8.45E-01
.	10	43	7.25E-01
.	10	27	1.70E-01
0.91	9	46	3.90E-01
.	2	11	8.43E-01
2.08	3	15	4.52E-01
4.88	6	11	3.63E-01
.	0	5	7.62E-01

.	2	5	8.31E-01
0.99	2	19	9.44E-01
.	11	22	7.42E-01
3.50	90	343	7.03E-01
1.05	10	80	1.03E-01
.	75	369	7.50E-01
.	14	77	7.44E-01
.	9	18	2.90E-01
.	14	36	7.77E-01
.	9	13	2.58E-01
.	18	104	9.59E-01
0.04	10	42	3.69E-01
1.35	47	144	1.80E-01
.	5	10	5.00E-01
1.53	2	6	2.56E-01
4.50	4	5	3.10E-01
0.93	18	81	3.33E-01
.	3	12	9.25E-01
0.18	36	158	6.81E-01
1.48	9	21	4.28E-01
0.38	11	31	3.19E-01
0.75	27	126	5.39E-01
1.40	2	3	2.87E-02
0.68	19	90	6.04E-01
1.09	21	80	2.18E-01
1.33	441	1974	1.00E+00
.	4	23	4.42E-01
1.02	18	108	1.82E-01
.	8	19	6.75E-01
0.07	9	28	4.13E-01
0.41	5	19	6.86E-01
0.57	2	29	8.97E-01
2.72	2	4	4.63E-01
0.99	13	57	8.07E-01
.	1	6	7.84E-01
1.08	12	62	9.66E-01
.	16	121	2.49E-01
1.42	6	32	4.37E-01
3.93	4	8	4.29E-01
.	0	7	6.23E-01
.	4	11	2.72E-01

.	0	6	7.19E-01
4.08	5	32	5.21E-01
0.40	1	14	4.52E-01
.	3	29	3.29E-01
.	1	5	4.81E-01
2.68	9	18	8.97E-01
.	2	15	7.88E-01
.	9	55	7.29E-02
1.29	36	148	5.39E-01
2.02	9	40	3.61E-01
.	17	89	6.81E-01
0.75	36	166	9.16E-01
1.75	24	114	7.91E-01
0.26	23	63	2.56E-01
1.00	61	251	1.00E+00
1.17	10	56	6.12E-01
1.50	108	449	7.97E-01
0.84	29	83	7.84E-01
.	12	71	6.24E-01
0.41	3	40	8.36E-01
2.15	2	7	6.53E-01
1.32	10	20	6.49E-01
.	1	5	7.80E-01
4.50	5	14	1.17E-01
3.35	3	9	5.51E-01
0.94	10	56	5.56E-01
4.03	2	6	1.73E-01
0.11	0	6	3.73E-01
1.35	7	35	5.97E-01
0.97	192	900	9.23E-01
3.25	44	186	9.80E-01
1.07	139	657	9.99E-01
0.36	4	20	9.97E-01
1.54	6	30	3.54E-01
.	1	7	6.02E-01
2.21	167	735	6.77E-01
.	1	13	2.83E-01
0.39	4	33	5.46E-01
1.85	7	23	1.98E-01
1.91	22	110	3.60E-01
0.62	33	182	8.28E-01

.	2	11	7.84E-01
0.71	49	236	8.89E-01
1.05	142	581	9.86E-01
3.03	7	14	3.95E-02
1.12	60	291	2.59E-01
.	1	4	1.51E-01
0.98	0	5	6.70E-01
.	2	3	8.12E-01
0.44	1	36	2.34E-01
.	16	33	2.88E-02
.	0	11	7.91E-01
0.68	1	6	7.40E-01
0.73	2	20	4.78E-01
1.82	65	236	8.81E-01
.	1	11	5.04E-01
.	5	21	4.23E-01
.	36	133	1.00E+00
0.47	5	35	9.94E-01
0.74	19	85	5.93E-01
.	4	9	4.10E-01
.	3	3	1.77E-01
.	25	141	6.68E-01
.	101	465	7.68E-01
0.21	47	234	1.14E-01
.	1	4	7.76E-01
0.43	9	63	8.80E-01
0.63	0	13	6.89E-01
.	1	9	4.94E-01
.	1	12	6.04E-01
.	11	20	2.40E-02
.	3	3	4.92E-01
1.71	6	14	5.10E-01
7.72	10	31	1.73E-01
1.00	5	25	8.96E-01
2.64	3	10	5.19E-01
0.80	1	9	8.77E-01
0.40	53	252	9.56E-01
0.45	26	129	5.83E-01
.	7	16	2.38E-01
1.19	15	48	9.93E-01
0.83	8	36	8.41E-01

0.49	4	17	9.87E-02
0.69	6	17	8.25E-01
.	9	34	2.34E-01
1.29	9	40	6.30E-01
.	2	3	2.95E-01
.	0	6	6.71E-01
1.15	6	12	9.73E-01
1.51	8	26	1.88E-01
0.92	80	274	3.79E-01
0.20	45	212	8.14E-01
0.77	11	62	9.90E-01
0.74	3	18	4.37E-01
0.93	3	8	9.45E-01
.	2	3	2.95E-01
0.55	1	5	8.20E-01
1.68	3	15	9.08E-01
.	15	45	3.14E-01
1.05	15	91	1.56E-01
2.17	39	168	4.92E-02
.	10	62	9.16E-01
.	7	34	9.65E-01
0.84	52	179	7.25E-01
.	30	56	1.60E-02
0.61	10	85	6.14E-01
0.92	70	287	5.01E-01
0.55	2	9	3.74E-01
1.66	2	14	3.37E-02
12.14	8	24	7.24E-02
1.31	7	20	5.50E-01
.	15	110	6.43E-01
0.70	39	157	3.76E-01
1.68	5	10	7.02E-01
3.49	19	79	4.85E-02
3.23	15	93	4.33E-01
.	2	18	7.58E-01
0.92	57	371	2.83E-01
0.84	81	363	7.58E-03
4.93	18	54	8.45E-01
.	46	206	9.88E-01
3.00	53	211	1.36E-01
0.33	3	17	4.34E-01

.	5	6	9.93E-02
0.34	35	156	4.50E-01
1.80	2	4	4.22E-01
0.87	6	30	7.40E-01
.	1	5	2.27E-01
1.50	54	234	1.00E+00
0.38	1	16	4.09E-01
0.67	42	184	9.17E-01
1.15	18	28	2.74E-01
.	3	5	5.71E-01
0.77	130	594	7.08E-01
3.36	4	13	7.01E-01
1.47	8	32	5.26E-01
1.82	47	254	4.82E-01
.	1	21	8.10E-01
.	3	18	8.58E-01
0.76	10	56	6.99E-01
.	38	148	9.59E-01
.	2	9	8.91E-01
0.91	2	13	7.28E-01
.	14	64	6.36E-01
.	2	3	2.77E-02
.	21	54	9.38E-02
.	2	4	1.35E-01
.	1	10	6.62E-01
.	47	201	1.00E+00
1.41	34	139	3.45E-01
0.32	59	322	3.60E-01
0.82	117	517	8.97E-01
2.58	6	24	2.34E-01
.	5	22	2.68E-01
1.01	2	10	9.81E-01
3.23	8	29	4.22E-02
.	15	52	5.40E-01
1.06	11	46	8.03E-01
.	2	8	2.03E-01
2.21	1	4	2.86E-01
1.26	16	44	9.70E-02
0.81	1	6	6.01E-01
0.38	15	66	5.72E-01
0.47	6	64	1.64E-01

0.37	3	18	1.03E-01
.	0	5	6.63E-01
0.09	1	12	3.25E-01
0.22	8	52	4.65E-01
0.37	4	27	6.81E-01
.	21	69	9.42E-01
0.52	2	15	7.07E-01
.	3	29	2.95E-01
1.41	8	37	6.82E-01
1.79	2	8	5.64E-01
1.04	166	726	8.38E-01
1.99	85	376	1.64E-01
0.92	49	196	9.71E-01
.	3	11	5.54E-01
.	4	6	3.79E-02
.	6	13	4.53E-02
.	3	7	6.27E-01
.	45	237	4.95E-01
1.65	8	30	3.83E-01
.	0	5	7.16E-01
.	73	284	7.21E-01
.	2	6	3.69E-01
.	25	92	5.93E-01
.	2	5	9.29E-01
.	21	62	2.41E-01
.	10	74	3.62E-01
1.46	17	50	2.23E-02
.	49	166	7.17E-02
2.36	12	81	2.17E-01
1.09	23	88	9.99E-01
.	6	41	4.08E-01
.	127	567	7.55E-01
.	21	66	2.71E-02
.	11	43	9.31E-01
0.78	50	223	9.52E-01
.	3	4	6.87E-02
0.84	7	22	2.08E-01
0.38	16	79	6.48E-01
1.15	48	265	7.85E-01
0.55	24	107	8.33E-01
0.13	7	55	6.75E-01

0.92	10	67	2.55E-01
2.15	59	245	1.00E+00
0.72	8	79	1.63E-01
.	9	47	2.71E-01
0.90	17	68	6.36E-01
1.08	7	32	8.25E-01
.	4	38	5.45E-01
0.81	14	46	4.75E-01
0.82	16	64	1.00E+00
0.90	81	337	8.54E-01
.	4	12	7.24E-01
0.05	59	316	5.31E-01
.	1	13	6.52E-01
.	5	19	5.40E-01
0.35	111	467	9.97E-01
0.98	67	407	2.15E-01
0.38	1	21	8.62E-01
0.93	4	16	6.17E-01
0.45	15	49	1.89E-01
.	10	52	5.58E-01
.	4	11	3.84E-02
0.29	1	25	6.30E-01
1.11	40	157	5.83E-01
1.37	5	22	5.22E-01
.	1	5	3.82E-01
.	8	45	5.31E-01
0.75	4	31	3.79E-01
0.16	4	33	9.10E-01
1.14	9	42	1.00E+00
0.17	15	81	8.03E-01
0.27	2	23	9.58E-01
.	67	286	9.16E-01
.	2	11	9.16E-01
.	0	6	6.91E-01
1.28	99	485	3.75E-01
0.53	4	7	7.65E-01
0.50	1	10	8.30E-01
1.33	24	90	9.31E-01
1.34	13	36	4.72E-01
1.22	3	22	9.12E-01
2.02	7	18	1.54E-01

1.33	28	75	3.49E-01
0.38	6	28	4.73E-01
1.10	21	91	1.00E+00
.	6	20	5.90E-01
3.68	6	5	5.07E-02
0.69	66	287	5.73E-01
1.44	82	330	9.17E-01
.	6	42	9.67E-01
.	56	212	8.48E-02
0.44	1	11	8.84E-01
0.40	3	12	7.93E-01
.	21	96	8.57E-01
2.96	30	134	1.00E+00
.	2	4	8.85E-01
0.36	6	13	8.66E-02
1.14	12	59	5.58E-01
1.14	22	71	3.75E-01
1.88	68	306	9.93E-01
0.51	4	21	9.69E-01
0.39	12	63	9.94E-01
3.24	22	60	2.91E-01
3.32	91	333	5.12E-01
3.16	9	22	5.78E-02
3.11	57	321	4.76E-02
.	4	13	6.47E-01
2.49	19	59	6.63E-01
0.67	23	114	1.85E-01
0.60	18	87	6.82E-01
.	20	75	4.26E-01
3.26	3	12	4.55E-01
.	10	60	4.41E-01
.	2	21	4.98E-01
.	1	4	9.10E-01
.	2	7	2.71E-01
3.34	1	6	8.15E-01
0.88	6	17	3.96E-01
.	1	5	4.67E-01
0.97	69	392	3.14E-01
.	39	163	7.58E-01
1.92	8	23	4.49E-01
.	3	26	7.95E-01

1.70	8	17	7.54E-01
0.92	120	469	9.82E-01
0.69	39	184	1.00E+00
1.71	13	43	1.85E-01
1.51	4	20	3.50E-01
2.25	79	304	8.39E-02
1.12	91	434	3.12E-01
0.30	1	7	6.07E-01
0.74	49	221	9.39E-01
0.74	12	67	9.12E-01
2.30	53	186	4.50E-01
2.83	14	62	8.12E-01
0.99	62	246	4.67E-01
.	16	73	8.99E-01
2.31	48	305	4.64E-02
0.71	13	80	9.97E-01
0.65	104	446	7.33E-01
1.26	14	61	9.74E-01
1.93	12	35	1.66E-01
2.18	6	7	5.13E-01
.	33	151	8.76E-01
2.28	4	7	1.65E-01
1.30	3	12	7.00E-01
0.91	0	5	6.83E-01
0.79	44	196	9.53E-01
.	46	233	8.91E-01
0.26	19	122	4.27E-01
1.22	38	168	4.35E-01
.	4	6	6.72E-02
0.35	8	58	7.91E-01
0.63	21	101	4.07E-01
0.93	26	94	8.34E-01
2.64	11	51	4.51E-01
0.85	15	77	9.04E-01
1.00	3	27	7.67E-01
1.64	85	417	1.00E+00
.	22	99	2.49E-01
.	0	15	7.00E-01
.	1	4	6.22E-02
.	24	89	5.32E-01
0.54	0	7	7.78E-01

1.23	102	427	9.15E-01
.	8	35	3.33E-01
0.53	12	25	4.50E-01
.	16	66	4.43E-01
1.25	1	5	7.25E-01
1.65	20	77	9.45E-01
.	4	10	3.43E-01
.	16	105	9.93E-02
3.17	3	9	2.94E-01
0.78	17	62	1.00E+00
1.09	93	384	6.89E-01
1.05	145	538	1.00E+00
2.09	49	177	9.04E-01
5.41	15	58	7.18E-01
0.96	87	349	1.00E+00
0.76	33	153	9.45E-01
0.38	1	17	7.17E-01
0.50	2	16	6.47E-01
1.09	8	36	1.81E-01
3.17	2	5	3.39E-01
.	4	8	8.23E-01
2.39	2	6	4.56E-01
2.54	5	19	7.25E-02
.	1	7	5.39E-01
0.66	36	173	2.72E-01
1.42	21	92	5.72E-01
0.27	5	25	1.00E+00
4.94	46	223	6.86E-01
1.03	142	488	2.79E-01
2.41	97	385	9.69E-01
.	0	7	5.54E-01
.	13	76	4.06E-01
1.06	4	9	4.50E-01
0.51	67	357	3.78E-01
0.58	8	37	9.93E-01
0.27	12	72	1.00E+00
0.58	5	34	8.29E-01
1.24	35	132	9.43E-01
1.33	19	69	5.13E-01
1.52	40	122	3.24E-01
1.17	54	209	9.29E-01

2.85	8	41	4.78E-01
.	4	26	3.93E-01
1.14	63	234	9.61E-01
1.15	6	19	6.91E-01
1.54	86	557	1.57E-01
.	23	79	1.13E-01
0.67	39	146	2.83E-01
1.77	46	181	7.88E-01
0.50	6	33	8.71E-01
0.31	43	195	6.21E-01
0.91	31	153	5.46E-01
4.39	7	24	4.14E-01
0.56	7	41	4.32E-01
0.05	29	144	8.66E-01
0.93	8	32	9.29E-01
1.83	23	69	1.11E-01
0.56	30	144	4.80E-01
.	7	40	5.99E-01
.	8	17	7.29E-02
1.10	8	57	6.40E-01
0.30	70	267	8.04E-01
0.63	17	74	4.62E-01
.	5	27	7.42E-01
1.59	135	521	9.61E-01
.	16	54	4.22E-01
0.95	30	168	6.52E-01
1.09	24	113	9.96E-01
1.22	58	282	5.39E-01
0.63	48	219	7.78E-01
1.25	1	9	5.27E-01
15.03	37	162	3.84E-01
0.61	4	35	9.73E-01
.	5	26	9.96E-01
.	17	52	8.97E-03
1.81	37	246	2.22E-01
.	7	37	9.21E-01
.	2	3	1.30E-01
.	3	16	9.50E-01
.	18	105	5.47E-01
1.44	18	97	8.71E-01
0.19	79	346	8.30E-01

1.62	50	180	4.69E-01
0.04	34	184	7.62E-02
3.53	11	80	3.44E-01
.	0	5	6.31E-01
1.90	5	15	3.92E-01
.	34	140	5.83E-01
0.57	3	10	4.26E-01
1.90	3	9	7.47E-02
1.55	10	23	5.30E-01
1.21	10	37	9.14E-01
0.53	2	30	9.40E-01
1.86	4	17	6.00E-01
0.92	4	11	6.92E-01
1.80	8	20	8.29E-01
0.70	47	215	8.15E-01
0.96	99	445	7.83E-01
1.62	4	30	1.74E-01
1.22	11	43	9.96E-01
.	8	15	1.81E-01
1.20	30	90	7.65E-01
1.09	5	26	8.72E-01
1.27	8	25	3.88E-01
0.83	8	39	5.90E-01
3.33	10	16	1.56E-01
0.93	9	41	9.88E-01
1.33	5	29	7.84E-01
1.12	45	175	9.88E-01
.	2	15	7.01E-01
0.43	26	116	4.15E-01
.	23	88	8.20E-01
1.27	29	133	8.26E-01
2.54	2	18	3.36E-01
0.86	9	48	5.15E-01
0.77	17	91	8.31E-01
.	2	22	9.62E-01
0.44	2	12	7.09E-01
0.17	1	12	1.24E-01
1.27	4	7	4.29E-01
0.97	8	27	2.88E-01
0.56	2	21	8.86E-01
2.95	4	8	4.99E-01

0.81	17	85	1.00E+00
2.37	2	6	2.31E-01
0.19	0	10	7.15E-01
0.64	18	95	1.00E+00
1.50	29	171	9.38E-02
0.69	3	23	8.64E-01
2.63	3	12	4.76E-01
1.50	6	25	3.64E-01
2.33	75	363	3.75E-01
1.24	9	21	7.74E-01
.	1	10	3.46E-01
.	6	48	9.60E-02
.	27	106	9.98E-01
0.90	2	15	9.32E-01
6.67	13	44	8.18E-02
.	8	10	2.25E-01
2.37	5	9	6.29E-01
1.33	15	72	8.88E-01
1.53	42	170	8.81E-01
0.74	28	123	1.00E+00
0.76	13	56	3.67E-01
.	5	9	8.14E-01
0.79	60	326	5.62E-01
0.83	8	50	9.03E-01
0.31	4	35	3.43E-01
1.14	9	38	3.11E-01
.	2	4	8.61E-01
0.34	25	107	8.84E-01
0.88	3	16	6.81E-01
0.95	6	47	3.09E-01
0.87	104	416	7.73E-01
1.07	12	82	3.65E-01
0.13	29	126	7.35E-01
1.48	9	33	1.00E+00
.	1	9	5.20E-01
2.70	4	7	1.54E-01
0.20	2	23	8.92E-01
0.37	13	72	9.91E-01
.	5	24	9.95E-01
2.33	151	585	8.46E-01
.	3	22	3.97E-01

0.11	43	187	8.86E-01
.	3	7	5.97E-02
.	3	4	2.55E-01
.	6	10	3.58E-02
0.23	2	35	8.40E-03
1.80	25	95	1.00E+00
.	47	153	1.92E-02
0.91	0	7	6.84E-01
.	1	6	3.36E-01
1.43	15	50	4.47E-01
4.68	4	14	4.79E-01
1.40	4	23	6.13E-01
0.84	2	26	7.07E-02
.	105	412	8.45E-01
1.89	11	34	1.36E-01
1.65	6	27	5.46E-01
2.91	6	19	1.78E-01
.	0	6	4.32E-01
0.82	7	35	9.24E-01
0.64	1	21	7.68E-01
1.19	13	19	4.80E-01
5.09	57	252	9.68E-01
1.10	3	12	3.19E-01
0.22	2	10	1.18E-01
1.45	3	18	8.62E-01
.	6	22	8.42E-01
.	36	164	7.70E-01
0.82	58	257	9.86E-01
0.39	38	158	8.54E-01
.	2	8	3.68E-02
1.19	19	67	7.58E-01
.	6	4	3.60E-01
0.59	0	7	7.73E-01
.	16	135	2.38E-01
2.86	80	340	9.96E-01
0.62	5	14	9.66E-01
.	1	4	3.20E-01
0.55	3	25	6.70E-01
2.22	27	55	1.12E-01
2.85	85	300	8.57E-01
1.58	21	107	9.29E-01

2.45	15	67	3.38E-01
.	4	15	6.55E-01
.	1	22	2.42E-01
9.42	7	8	5.29E-03
3.24	7	16	2.03E-01
1.17	2	12	8.96E-01
1.57	126	527	1.00E+00
0.27	17	111	6.12E-01
1.86	38	259	2.12E-01
.	2	17	6.58E-01
1.83	7	41	1.73E-01
0.77	1	6	7.55E-01
1.30	5	27	9.00E-01
0.23	2	9	4.32E-01
.	2	6	3.37E-01
.	0	5	4.78E-01
0.45	10	33	3.26E-01
1.18	17	76	8.37E-01
0.67	8	35	6.13E-01
.	3	21	7.11E-01
1.87	4	13	6.71E-01
1.42	8	34	8.26E-01
0.95	8	47	5.62E-01
.	0	8	7.13E-01
1.89	3	7	6.51E-01
.	7	32	4.90E-01
.	2	12	4.81E-01
2.56	2	14	7.20E-01
1.26	11	42	6.85E-01
1.16	20	68	7.49E-01
0.68	5	43	2.81E-01
1.99	6	31	8.07E-01
0.55	9	69	8.48E-01
1.32	163	648	9.72E-01
1.03	24	93	9.69E-01
1.44	3	20	6.20E-01
1.16	56	242	9.96E-01
0.91	52	141	1.10E-02
4.41	31	160	2.28E-02
.	85	347	7.89E-01
.	2	3	1.09E-01

3.50	1	8	5.16E-01
0.97	33	171	4.57E-01
1.46	24	86	5.17E-01
0.51	20	103	9.02E-01
0.31	17	98	3.59E-01
.	16	67	4.31E-01
0.40	48	251	4.28E-01
1.06	29	86	5.05E-01
.	1	10	8.90E-01
2.46	65	249	6.98E-01
.	0	9	3.89E-01
2.99	4	14	3.43E-01
1.39	1	9	4.35E-01
1.57	1	7	7.43E-01
.	2	5	5.69E-02
.	10	42	3.32E-01
.	2	3	5.62E-02
0.79	3	33	7.93E-01
0.39	6	18	4.94E-01
.	7	41	6.39E-01
1.96	2	8	6.63E-01
1.37	15	54	8.11E-02
2.09	13	38	4.39E-01
0.78	25	95	9.53E-01
0.41	2	15	4.07E-01
0.88	160	653	6.59E-01
.	2	6	8.41E-01
1.33	37	145	6.48E-01
0.42	55	219	4.34E-01
0.89	94	477	9.95E-01
0.93	25	135	1.00E+00
0.96	34	185	4.07E-01
0.61	105	441	8.85E-01
2.35	35	140	8.17E-01
.	1	10	6.76E-01
.	40	204	4.40E-01
.	1	7	1.32E-01
1.38	66	308	9.81E-01
1.05	103	475	9.56E-01
0.87	2	17	9.04E-01
.	2	12	3.35E-01

.	2	24	8.05E-01
0.48	1	11	1.71E-01
.	3	11	5.95E-01
1.78	13	68	9.43E-01
0.10	4	24	8.35E-01
0.90	16	57	1.00E+00
.	6	5	8.58E-01
0.52	4	42	5.40E-02
1.70	6	23	3.02E-02
0.30	53	251	9.95E-01
0.60	2	16	9.08E-01
.	4	18	5.39E-01
0.18	21	72	3.31E-01
0.50	8	44	7.10E-01
0.61	56	286	9.73E-01
1.10	47	235	9.30E-01
2.53	138	593	7.87E-01
.	6	49	6.16E-02
.	24	88	4.21E-01
.	2	11	5.27E-01
.	2	3	7.02E-02
.	3	30	6.08E-01
.	6	14	1.97E-02
2.74	11	40	5.89E-01
1.79	15	62	8.18E-01
0.82	6	30	7.29E-01
0.45	63	249	1.00E+00
.	5	16	4.65E-01
.	11	59	6.86E-01
4.00	7	11	1.45E-01
4.60	2	4	4.42E-02
1.97	10	21	6.47E-03
2.51	21	54	9.41E-01
0.92	3	12	8.75E-01
1.01	5	32	9.01E-01
.	1	5	2.10E-01
.	7	17	8.10E-01
.	197	867	7.50E-01
.	2	8	1.39E-01
.	81	374	9.99E-01
1.36	9	34	7.34E-01

3.88	5	22	3.59E-01
0.41	7	43	5.92E-01
2.82	11	30	1.42E-01
2.20	4	10	1.34E-01
.	2	4	8.32E-01
12.61	12	29	2.22E-01
0.77	8	27	4.23E-01
.	10	25	6.11E-02
.	4	23	7.03E-01
.	71	369	8.48E-01
.	2	5	6.43E-01
.	11	50	6.42E-01
.	18	73	6.02E-01
.	3	13	3.31E-01
2.04	2	11	8.43E-01
0.47	4	17	8.99E-01
0.52	79	371	6.02E-01
.	33	192	7.84E-01
.	1	6	7.21E-01
.	6	30	6.58E-01
0.63	27	159	9.36E-01
0.47	3	42	4.40E-01
1.04	11	49	9.96E-01
2.15	5	10	7.06E-01
1.09	32	181	2.24E-01
0.90	6	40	8.43E-01
.	59	209	3.07E-01
1.70	23	69	6.23E-01
1.35	62	300	6.50E-01
1.71	72	340	2.82E-01
0.54	9	64	9.80E-01
0.34	4	39	7.94E-01
2.19	2	14	2.03E-01
1.49	29	114	1.00E+00
1.45	31	163	4.25E-01
1.27	4	9	2.17E-01
.	7	13	7.57E-01
0.52	68	226	6.36E-01
3.45	61	280	1.00E+00
3.49	7	15	1.98E-01
.	20	88	6.62E-01

1.30	3	19	9.36E-01
.	0	5	4.22E-01
.	13	80	8.50E-01
.	30	95	5.21E-01
8.40	7	12	3.26E-01
.	1	6	8.17E-01
0.54	20	63	7.70E-01
0.35	1	14	5.82E-01
0.48	60	219	5.47E-02
1.26	11	39	1.23E-01
.	5	12	1.62E-01
.	10	46	5.37E-01
1.26	11	45	9.91E-01
.	62	247	5.20E-01
2.20	10	23	6.87E-01
0.79	90	366	9.08E-02
.	4	11	4.91E-01
0.42	12	55	5.17E-01
0.77	10	44	6.48E-01
.	3	15	7.18E-01
0.99	2	17	8.30E-01
0.90	39	184	7.37E-01
1.38	95	389	1.00E+00
.	2	9	2.05E-01
0.55	1	13	9.26E-01
0.98	112	457	1.00E+00
0.46	10	19	1.76E-01
0.34	2	10	5.42E-01
0.60	10	61	5.04E-01
1.52	5	36	8.90E-01
0.89	3	13	7.93E-01
0.29	12	37	1.24E-01
0.04	4	47	5.76E-02
0.52	19	80	6.41E-01
1.68	6	24	5.11E-01
0.52	21	125	9.44E-01
2.51	4	10	5.83E-02
2.01	17	102	2.55E-01
0.76	144	680	8.62E-01
7.07	96	461	8.95E-01
1.29	10	32	3.49E-01

0.13	1	14	5.43E-01
3.00	17	75	3.12E-01
1.33	111	487	1.00E+00
0.72	10	33	3.87E-02
0.64	90	373	1.00E+00
0.42	2	15	5.04E-01
0.56	18	110	4.25E-01
.	5	20	7.39E-01
1.64	3	24	7.51E-01
.	6	19	4.75E-01
1.66	1	14	7.11E-01
0.62	3	14	3.22E-01
2.35	29	109	9.60E-01
0.14	3	19	3.88E-01
0.65	2	10	9.53E-01
1.38	6	17	7.96E-01
.	7	22	4.73E-01
0.70	2	12	5.26E-01
4.38	14	68	3.01E-01
.	13	53	1.39E-01
0.46	32	123	2.06E-01
.	2	3	1.35E-01
.	3	6	1.59E-01
0.67	45	266	5.13E-01
0.51	9	53	8.48E-01
0.81	61	243	9.97E-01
2.04	96	379	8.63E-01
0.32	0	14	8.98E-01
2.11	1	5	4.54E-01
0.90	9	29	3.53E-01
2.57	2	9	5.97E-01
1.77	58	239	8.52E-01
0.42	4	22	1.09E-01
2.77	11	29	4.30E-03
.	3	7	1.84E-01
0.87	3	19	5.78E-01
1.01	1	10	6.30E-01
0.29	1	11	2.31E-01
0.73	12	63	7.35E-01
2.11	2	15	2.57E-01
4.68	10	27	5.91E-02

0.94	3	8	8.60E-01
0.81	25	79	1.07E-01
2.37	4	15	6.30E-01
0.43	3	24	4.88E-01
0.82	3	6	8.16E-02
4.52	54	247	6.78E-01
.	0	7	6.77E-01
2.21	6	22	2.55E-01
0.59	0	7	7.54E-01
0.97	5	30	7.32E-01
0.83	5	21	9.36E-01
1.39	75	315	1.00E+00
0.99	2	9	8.63E-01
.	54	266	6.02E-01
0.53	5	42	3.97E-01
1.80	5	11	6.02E-01
1.02	12	48	5.57E-01
1.58	87	367	7.73E-01
1.40	3	7	9.04E-01
2.48	1	6	7.54E-01
1.41	38	149	9.11E-01
1.17	10	36	9.77E-01
1.76	10	42	3.83E-01
.	6	16	5.16E-01
1.09	55	202	5.51E-01
1.13	21	74	8.18E-01
1.17	21	76	9.48E-01
0.31	21	130	9.90E-01
2.31	58	252	7.65E-01
0.65	24	106	1.00E+00
2.02	6	17	8.43E-02
0.76	98	412	1.62E-01
0.78	42	191	1.00E+00
1.25	16	75	7.91E-01
1.22	34	156	9.40E-01
0.81	1	10	7.96E-01
.	4	20	2.80E-01
0.39	6	50	9.52E-01
0.62	81	422	2.90E-01
0.84	20	121	9.93E-01
1.28	15	50	7.51E-01

3.11	32	164	8.41E-01
0.39	20	57	4.52E-01
.	59	217	1.00E+00
1.55	22	116	8.95E-01
0.87	5	17	4.52E-02
0.22	9	59	6.89E-01
0.10	0	9	4.45E-01
0.79	2	12	5.41E-01
1.23	11	39	7.94E-01
0.94	72	252	2.65E-01
2.32	4	14	2.95E-01
6.30	5	16	6.67E-02
0.75	6	44	7.73E-01
1.92	17	92	2.33E-01
.	4	21	8.65E-01
0.72	8	34	9.93E-01
1.22	82	402	7.48E-01
1.03	25	102	9.96E-01
1.16	99	387	1.00E+00
0.96	40	179	9.89E-01
1.00	2	9	5.09E-01
.	1	4	3.46E-01
1.31	2	9	9.34E-01
.	0	12	5.78E-01
0.64	21	102	1.00E+00
1.11	2	13	8.76E-01
7.74	2	9	1.11E-02
2.23	8	20	7.57E-01
.	1	4	6.96E-01
.	2	8	6.45E-01
.	50	221	1.00E+00
1.38	94	342	5.21E-01
0.34	15	67	5.30E-01
1.11	34	227	5.50E-01
0.44	1	16	3.84E-01
.	5	15	5.72E-01
0.38	4	18	2.79E-01
0.82	4	23	5.06E-01
.	5	42	3.56E-01
.	6	28	6.33E-01
.	7	24	5.00E-01

.	3	5	2.35E-02
.	1	7	6.97E-01
1.52	4	10	1.93E-01
0.07	70	283	5.95E-01
0.31	2	7	6.70E-01
1.77	3	5	6.61E-01
.	4	12	4.79E-01
6.28	30	85	1.70E-01
1.56	12	55	5.92E-01
.	2	14	2.82E-02
.	4	9	7.02E-01
.	1	5	2.12E-01
.	0	6	7.61E-01
.	13	53	9.94E-01
1.84	3	8	6.54E-01
0.77	5	11	6.56E-01
1.21	3	14	9.76E-01
.	9	20	5.60E-01
0.93	15	78	4.89E-01
.	34	218	2.82E-01
1.54	59	237	9.87E-01
0.74	10	45	1.00E+00
0.50	7	25	2.61E-01
0.20	2	20	7.37E-01
1.03	8	44	4.88E-01
.	11	19	1.35E-03
3.24	147	640	8.09E-01
.	5	42	8.83E-01
0.36	22	109	8.13E-01
.	4	4	4.17E-01
.	16	52	7.54E-01
.	22	120	1.00E+00
.	12	24	3.12E-04
3.13	28	134	4.75E-01
.	6	27	4.89E-02
.	3	20	1.31E-01
.	4	8	1.89E-02
1.39	12	51	9.82E-01
.	85	361	1.00E+00
2.37	29	108	2.63E-01
2.11	1	9	1.96E-01

0.09	20	73	3.66E-01
.	8	58	7.91E-01
0.86	28	56	4.05E-01
1.70	38	145	1.00E+00
3.27	3	23	2.85E-01
3.92	88	355	1.58E-02
.	1	7	5.09E-01
0.94	18	82	4.33E-01
0.44	6	23	9.33E-01
1.63	5	13	1.00E+00
.	5	6	3.14E-01
.	2	11	3.97E-01
1.28	57	238	3.63E-01
1.31	8	43	5.40E-01
1.68	4	13	6.77E-01
2.23	6	16	4.82E-02
1.18	19	77	6.42E-01
0.75	16	66	6.49E-01
1.90	12	20	8.53E-02
.	19	87	9.20E-01
0.26	4	41	2.59E-01
1.86	3	12	5.85E-01
2.45	27	81	6.69E-01
0.96	20	75	4.56E-01
0.85	4	30	2.62E-01
.	13	47	9.69E-01
1.27	51	164	1.96E-01
1.42	26	76	1.91E-01
15.51	16	30	2.98E-01
1.65	85	383	5.69E-01
0.96	2	8	1.62E-01
1.09	78	368	5.34E-01
1.44	15	64	9.78E-01
1.18	12	50	3.51E-01
1.51	28	129	7.81E-01
1.05	14	75	3.23E-01
0.62	115	488	7.12E-01
0.79	5	17	5.50E-01
1.78	4	13	4.31E-01
0.38	5	33	9.61E-01
5.67	3	6	1.88E-01

12.26	4	11	1.22E-01
.	3	9	3.94E-02
1.10	7	30	1.99E-01
1.80	10	22	4.65E-01
0.50	149	912	4.37E-01
2.52	42	100	6.39E-01
0.93	19	78	7.96E-01
1.89	52	230	6.21E-01
0.85	17	81	8.02E-01
4.98	3	6	3.77E-01
0.48	64	445	2.57E-01
1.49	3	9	3.55E-01
1.40	69	259	1.00E+00
2.15	74	322	7.81E-01
0.29	3	41	9.54E-02
0.94	17	82	8.43E-01
.	6	30	3.72E-01
1.13	2	10	1.15E-01
0.29	7	49	3.95E-01
0.46	25	125	9.18E-01
0.78	15	98	7.90E-01
0.11	10	67	6.41E-01
0.46	7	25	5.38E-01
0.51	55	272	4.16E-01
1.48	8	28	8.83E-01
1.48	32	150	3.18E-01
1.09	101	388	2.46E-01
0.46	1	26	8.56E-01
0.55	15	86	4.36E-01
0.50	34	180	8.94E-01
.	2	12	9.33E-01
0.99	10	40	9.33E-01
1.76	3	17	2.51E-01
0.73	2	9	6.08E-01
2.48	4	16	5.42E-01
0.79	25	80	5.23E-01
1.44	29	164	6.61E-01
0.93	9	35	6.39E-01
1.81	36	186	5.29E-01
1.63	21	81	7.90E-01
1.12	2	8	8.84E-01

0.13	0	17	2.97E-01
.	0	8	7.41E-01
0.68	24	103	9.29E-01
1.77	11	40	6.62E-01
1.09	11	32	9.82E-02
1.53	7	56	6.51E-01
2.53	0	7	6.26E-01
0.88	33	144	9.02E-01
1.98	4	12	4.57E-01
0.33	1	16	6.06E-01
.	4	28	7.46E-02
0.84	21	62	2.30E-01
0.16	5	23	3.60E-01
2.08	20	64	4.66E-01
1.13	7	48	9.80E-01
0.80	5	14	7.79E-01
1.24	4	9	8.84E-01
4.62	37	156	9.06E-01
1.86	1	42	1.08E-01
1.04	185	871	8.74E-01
1.35	42	228	1.00E+00
2.96	57	243	7.19E-01
.	8	14	5.91E-01
0.63	9	45	9.79E-01
.	38	88	7.42E-02
2.29	58	187	3.14E-01
0.82	5	42	8.93E-01
0.87	58	338	2.13E-01
1.06	15	74	9.94E-01
0.91	37	231	9.86E-01
0.89	54	207	1.42E-01
0.37	31	114	2.07E-01
1.09	74	319	9.32E-01
1.58	18	77	5.32E-01
2.15	17	46	1.30E-01
.	45	178	6.60E-01
0.90	5	40	2.18E-01
.	32	136	9.99E-01
.	43	199	5.36E-01
.	102	581	4.58E-01
2.05	40	141	8.51E-01

0.69	29	123	4.32E-01
.	2	5	1.34E-01
0.91	66	313	1.00E+00
0.72	16	70	3.49E-01
1.17	20	96	9.94E-01
.	3	12	8.16E-01
.	42	126	7.39E-01
0.75	6	24	3.47E-01
2.13	22	78	2.40E-01
0.22	17	84	8.00E-01
1.03	7	24	1.99E-01
2.09	2	4	3.27E-01
2.38	7	20	5.77E-01
.	20	75	2.91E-01
0.48	0	6	7.58E-01
2.01	315	1499	8.29E-01
.	6	42	4.55E-01
3.74	4	5	1.77E-01
.	0	5	7.55E-01
0.89	3	12	8.61E-01
0.32	3	37	6.98E-01
.	2	3	4.07E-02
0.92	47	234	7.76E-01
.	3	6	1.00E-01
1.48	5	13	2.32E-01
0.16	2	14	2.82E-01
.	1	7	3.39E-01
2.22	17	76	5.52E-01
0.81	50	166	2.03E-01
0.49	5	33	2.70E-01
.	6	20	5.87E-02
3.10	4	9	3.75E-01
1.51	57	285	3.04E-01
1.05	21	67	9.94E-01
0.30	0	7	8.80E-01
1.15	50	204	6.38E-01
2.81	8	22	1.44E-01
.	2	17	5.46E-01
0.92	8	34	9.96E-01
2.69	3	13	3.64E-01
.	19	73	9.61E-01

.	34	145	3.56E-01
.	1	5	8.08E-01
.	27	109	8.81E-01
0.49	9	35	5.14E-01
.	18	63	9.61E-01
0.82	68	226	9.70E-01
.	16	41	1.86E-01
0.28	9	65	5.65E-01
.	3	7	1.28E-01
.	17	51	2.83E-01
.	29	129	4.65E-01
.	1	4	5.16E-01
.	2	5	5.89E-01
.	28	138	5.15E-01
0.57	2	10	4.35E-01
.	1	4	7.38E-01
2.64	4	15	8.49E-01
0.69	21	96	1.02E-01
.	6	12	2.26E-01
.	20	50	1.79E-02
0.79	2	10	7.47E-01
1.26	9	56	7.18E-01
1.27	8	20	5.53E-01
1.50	8	40	1.79E-01
.	18	40	4.71E-03
0.87	21	107	7.31E-01
0.82	16	68	5.29E-01
0.76	1	14	8.30E-01
0.69	12	50	1.00E+00
0.46	3	24	3.59E-01
0.83	14	70	7.42E-01
3.17	5	14	4.12E-02
.	5	11	8.06E-01
.	0	7	7.83E-01
1.57	18	72	6.30E-01
0.14	19	122	7.33E-02
.	6	24	2.02E-02
0.55	17	96	5.13E-01
1.27	8	29	4.32E-01
.	2	4	1.22E-01
.	5	20	9.03E-02

.	3	19	4.62E-01
0.26	22	97	8.10E-01
.	19	45	3.37E-01
0.53	28	121	9.95E-01
0.24	2	14	7.35E-01
.	52	236	9.34E-01
2.92	158	675	6.08E-01
1.18	4	7	8.03E-01
0.71	24	126	7.46E-01
.	3	2	1.01E-01
2.52	1	6	3.21E-01
.	15	56	3.53E-01
1.67	26	88	7.72E-01
.	1	4	7.21E-01
.	1	16	3.18E-01
.	16	90	7.49E-01
.	16	76	7.62E-01
0.18	15	89	7.74E-01
.	5	4	5.12E-02
.	6	17	1.79E-01
0.17	1	18	8.13E-01
.	2	4	4.67E-02
.	0	5	1.87E-01
1.19	4	18	6.55E-01
1.04	13	53	7.71E-01
0.06	2	34	1.72E-01
3.54	30	155	9.22E-02
.	35	169	2.74E-01
0.94	8	25	4.76E-01
.	25	72	7.31E-02
.	1	8	8.24E-01
.	0	5	7.00E-01
0.97	4	41	3.49E-02
0.63	28	136	4.84E-01
1.00	15	85	1.82E-01
1.87	5	29	7.40E-01
1.10	18	59	8.90E-01
.	3	6	6.22E-01
0.94	17	83	9.65E-01
0.65	3	20	6.50E-01
.	0	8	8.19E-01

0.90	11	53	7.24E-01
.	1	4	8.12E-01
.	34	180	6.74E-01
1.63	5	22	4.77E-01
0.41	38	180	4.18E-01
.	2	3	5.11E-01
0.87	82	391	5.04E-01
.	6	25	1.84E-01
.	2	6	8.40E-01
0.30	4	14	4.07E-02
.	5	12	6.66E-01
0.24	1	8	1.92E-01
.	1	9	1.94E-01
.	10	57	8.93E-01
.	16	55	2.06E-01
1.31	27	83	6.99E-01
7.64	34	95	1.87E-01
1.25	6	19	4.64E-01
1.12	3	17	9.42E-01
.	0	5	6.11E-01
.	2	29	5.77E-01
.	0	9	8.01E-01
0.92	55	204	8.22E-01
.	1	6	7.82E-01
3.95	15	56	5.12E-01
.	4	32	7.57E-01
1.22	7	47	2.80E-01
1.94	6	19	5.80E-01
0.89	25	124	1.00E+00
3.16	144	584	6.52E-01
0.91	14	81	9.50E-01
0.13	15	57	3.15E-01
0.27	29	173	9.99E-01
1.64	92	361	9.80E-01
.	17	83	1.00E+00
1.18	24	86	9.02E-01
1.54	113	463	9.99E-01
.	19	103	8.70E-01
1.03	16	62	6.58E-01
0.64	60	200	1.67E-01
0.44	16	74	7.35E-01

.	4	12	6.47E-02
.	4	16	1.44E-01
.	2	9	4.01E-01
.	23	88	6.06E-01
1.03	2	9	3.53E-02
0.44	9	52	5.02E-01
3.40	6	15	4.35E-02
0.63	0	8	7.62E-01
1.32	31	176	2.45E-02
0.79	19	56	5.52E-01
0.44	1	11	7.92E-01
0.52	2	22	5.77E-01
0.94	4	11	6.50E-01
0.24	1	12	4.57E-01
1.94	3	4	5.33E-01
.	7	14	1.85E-01
1.47	113	405	7.20E-01
6.77	103	408	8.79E-01
0.14	7	25	8.74E-01
0.78	4	29	8.29E-01
.	5	7	4.14E-01
.	4	20	7.54E-01
.	4	26	6.37E-01
2.92	4	2	3.82E-01
.	3	7	5.91E-01
2.01	2	13	3.93E-01
.	0	5	6.55E-01
1.97	20	100	4.67E-01
.	1	5	2.78E-01
.	19	81	7.05E-01
1.95	7	20	1.37E-01
1.35	35	202	4.92E-01
.	145	568	9.97E-01
5.22	2	14	8.46E-02
.	19	65	7.03E-01
1.31	3	9	5.43E-01
.	1	14	9.45E-01
1.71	48	284	1.00E+00
.	13	58	1.76E-01
.	46	193	5.34E-01
2.58	13	39	4.46E-02

1.18	2	17	8.93E-01
1.26	12	63	9.11E-01
.	41	163	8.46E-01
.	36	136	2.20E-01
0.41	209	897	9.98E-01
.	73	256	3.99E-01
0.81	62	218	1.55E-01
1.99	42	153	8.53E-01
.	1	19	5.06E-01
1.53	6	8	2.60E-02
1.23	26	133	8.05E-01
1.38	119	597	6.36E-01
.	16	40	4.20E-01
2.06	17	78	3.09E-01
.	11	28	4.90E-01
.	6	27	2.11E-01
0.46	9	59	2.15E-01
1.06	201	997	9.16E-01
.	3	13	6.81E-01
.	24	52	4.86E-02
5.12	11	9	7.29E-02
0.45	39	162	2.45E-01
0.75	57	242	1.00E+00
.	57	268	7.10E-01
2.42	150	513	1.77E-01
.	13	9	7.63E-02
.	7	16	4.06E-01
.	47	199	4.70E-01
0.89	29	136	9.21E-01
.	111	393	9.44E-01
.	3	18	8.83E-01
1.70	17	71	9.99E-01
.	6	37	5.91E-02
.	3	11	2.14E-03
0.27	21	108	8.08E-01
0.35	51	205	3.73E-01
.	2	12	8.96E-01
.	1	4	4.24E-01
.	14	49	9.94E-01
0.68	9	39	1.48E-01
0.89	22	76	2.46E-01

.	4	23	9.17E-01
0.37	208	1272	9.09E-01
0.95	28	138	9.94E-01
2.89	68	295	9.20E-01
4.42	38	167	1.83E-01
1.53	51	240	5.39E-01
.	1	6	1.24E-01
0.45	81	323	4.84E-01
1.43	8	41	9.01E-01
0.50	0	7	4.92E-01
0.87	21	98	1.00E+00
.	3	9	5.50E-01
0.94	9	39	8.18E-01
.	11	60	3.59E-01
1.12	58	236	7.90E-01
3.60	46	184	5.42E-01
1.12	87	394	3.45E-01
.	11	56	7.86E-01
.	12	82	4.77E-01
1.08	1	9	8.46E-01
0.07	2	23	1.16E-01
1.33	90	322	9.69E-01
0.58	3	3	7.72E-01
.	1	4	4.52E-01
1.59	19	63	5.26E-01
6.18	8	24	1.03E-01
.	23	53	2.33E-02
.	62	197	2.46E-01
.	1	8	5.97E-02
0.29	3	19	1.60E-01
.	10	67	9.67E-01
.	3	29	6.21E-01
.	3	24	1.91E-01
1.26	19	73	6.99E-01
1.47	6	18	7.32E-01
0.68	66	258	4.46E-01
1.10	4	14	1.59E-01
0.13	10	40	7.55E-01
1.64	5	13	8.17E-01
0.55	19	74	8.30E-02
.	10	29	2.47E-01

1.19	10	28	2.66E-01
.	13	44	6.18E-01
1.06	47	147	1.39E-01
.	1	6	7.79E-01
7.79	5	3	4.81E-02
1.03	5	15	5.54E-01
2.26	6	31	3.37E-01
.	9	57	9.70E-01
.	2	15	9.11E-01
0.90	8	41	4.49E-01
0.50	1	19	4.32E-01
.	2	7	2.15E-01
4.24	9	35	7.01E-01
0.50	2	7	4.29E-01
1.15	111	495	9.52E-01
0.41	6	48	9.99E-01
0.94	98	478	9.70E-01
0.43	8	46	9.35E-01
0.98	43	156	1.00E+00
0.61	38	140	8.39E-01
0.81	235	1078	9.95E-01
1.52	28	102	9.69E-01
1.70	3	34	4.61E-01
0.78	34	165	9.87E-01
.	70	341	1.69E-01
.	1	4	7.92E-02
0.99	134	568	8.16E-01
0.43	4	20	5.52E-01
0.72	4	34	9.44E-01
0.88	21	101	9.89E-01
1.90	12	53	9.19E-01
3.29	19	95	8.53E-01
0.98	23	109	9.27E-01
.	43	164	9.95E-01
.	1	4	8.20E-01
.	0	6	3.43E-01
0.31	22	142	8.49E-01
1.50	13	56	3.39E-01
.	14	49	6.52E-01
.	61	236	8.87E-01
1.07	10	56	2.63E-01

.	0	10	7.79E-01
.	0	6	3.73E-01
1.31	2	3	4.42E-01
0.09	0	8	5.13E-01
0.66	68	341	2.62E-01
.	7	23	2.56E-01
0.46	3	25	4.61E-01
1.13	5	8	7.25E-01
.	0	6	8.21E-01
.	16	46	1.23E-01
.	2	7	3.40E-01
2.21	2	5	9.09E-01
1.45	3	17	7.36E-01
0.65	13	69	7.87E-01
1.09	89	396	1.00E+00
0.06	11	20	3.90E-04
.	9	27	2.09E-01
.	50	243	7.85E-03
1.15	4	28	3.68E-01
.	1	7	8.21E-01
.	9	45	9.51E-01
0.31	0	11	6.76E-01
2.05	6	5	3.60E-01
.	0	14	8.96E-01
.	25	143	5.25E-01
.	11	59	8.09E-01
.	0	17	3.74E-01
.	2	13	8.72E-01
.	2	5	3.74E-01
.	13	82	7.26E-03
1.44	124	563	7.78E-01
.	138	653	1.00E+00
0.84	22	132	1.52E-02
.	68	306	5.11E-01
7.06	37	148	4.07E-01
.	2	10	8.68E-01
.	83	302	1.29E-01
0.95	437	1818	1.00E+00
.	62	209	8.11E-01
.	4	2	2.73E-01
4.39	1	5	9.97E-02

0.37	0	13	9.08E-01
.	0	8	7.52E-01
0.99	27	108	1.72E-01
0.16	7	26	2.67E-01
0.97	6	28	8.54E-01
1.15	142	568	9.10E-01
.	8	58	3.47E-01
0.28	1	17	9.62E-01
1.49	113	472	3.46E-01
1.43	13	55	7.75E-01
1.03	5	33	8.10E-01
0.44	13	66	3.37E-01
.	1	4	2.17E-01
1.26	4	12	9.98E-02
0.27	3	18	3.05E-01
3.11	1	19	3.78E-01
.	94	381	9.34E-01
0.72	71	295	9.73E-01
.	2	10	9.80E-02
0.06	13	58	3.52E-01
4.49	24	108	9.26E-01
0.34	6	31	2.75E-01
3.24	7	19	3.74E-01
0.09	2	14	6.79E-01
.	1	11	5.31E-01
.	2	10	9.06E-01
.	8	47	8.46E-01
1.52	33	165	1.01E-01
.	7	15	9.12E-02
.	0	6	2.46E-01
.	2	8	8.56E-01
.	0	5	7.68E-01
1.42	2	9	6.68E-01
1.47	8	22	1.81E-01
0.89	47	189	1.00E+00
1.27	93	391	9.40E-01
4.00	6	9	4.41E-02
0.98	9	45	5.07E-01
1.48	3	9	9.16E-01
.	3	13	9.01E-03
1.16	11	62	7.39E-01

.	2	10	8.84E-01
.	7	20	6.97E-01
.	2	6	8.14E-01
1.16	35	202	4.09E-01
0.41	4	10	6.05E-02
0.62	16	42	1.82E-03
1.48	6	18	4.54E-01
1.05	1	7	5.87E-01
0.31	36	145	5.66E-01
1.61	21	129	3.48E-01
0.29	1	15	6.24E-01
.	11	47	4.45E-01
0.33	84	423	6.41E-03
1.88	4	14	6.96E-01
1.01	86	390	1.91E-01
1.85	9	34	1.45E-01
1.72	4	10	7.62E-01
.	1	5	4.17E-01
2.35	7	17	4.84E-01
.	1	7	7.09E-01
0.31	1	14	3.39E-01
1.06	7	20	5.84E-01
.	3	11	1.31E-01
1.82	174	735	7.40E-01
0.59	26	132	1.00E+00
1.67	15	44	8.50E-01
.	2	4	1.76E-01
0.30	16	78	8.29E-01
0.99	7	22	5.35E-01
0.57	7	36	8.77E-01
0.44	6	40	7.14E-01
0.98	6	30	9.33E-01
1.18	12	64	7.83E-01
0.90	29	121	8.41E-01
0.40	0	9	9.16E-01
.	2	19	7.88E-01
.	6	28	9.31E-02
.	5	2	7.99E-02
0.73	3	27	9.78E-01
0.78	30	100	7.13E-01
0.61	16	45	2.04E-02

1.07	3	15	1.94E-01
.	0	9	7.25E-01
4.76	26	94	7.90E-01
2.17	140	537	9.97E-01
.	2	3	3.62E-02
.	14	78	8.31E-01
0.27	15	63	3.44E-01
3.86	6	11	6.07E-02
2.06	135	639	3.42E-01
.	3	5	4.90E-01
.	4	8	2.78E-01
.	34	152	5.20E-01
2.42	4	9	5.55E-01
.	2	10	2.02E-01
2.71	6	12	1.82E-01
1.34	74	403	1.14E-01
0.35	136	603	8.20E-01
1.38	29	101	4.60E-01
1.23	47	167	1.83E-02
2.05	24	104	8.59E-01
.	5	19	9.03E-01
1.33	22	94	9.10E-01
.	0	5	6.81E-01
0.60	2	13	8.83E-01
1.17	5	25	7.40E-01
.	11	73	1.20E-01
0.81	71	245	1.10E-02
0.44	1	19	9.78E-01
0.86	33	139	1.00E+00
.	38	166	4.09E-01
3.08	5	21	6.40E-01
0.41	4	27	7.71E-01
.	2	6	6.99E-01
2.94	4	17	8.95E-01
.	1	16	8.43E-01
1.50	4	16	7.26E-01
2.70	12	51	2.09E-01
.	2	8	8.24E-01
0.95	4	17	9.26E-01
.	79	360	5.95E-01
.	103	378	5.13E-01

.	4	16	5.01E-01
.	20	95	6.54E-01
2.56	6	36	7.78E-02
.	2	8	3.04E-01
1.03	7	28	9.11E-01
.	3	6	1.83E-01
.	1	10	8.70E-01
.	2	4	1.97E-01
1.37	3	9	7.95E-01
0.55	33	159	3.51E-01
.	2	13	3.18E-01
1.79	7	65	1.12E-01
0.21	11	89	8.13E-01
.	1	5	4.49E-01
1.42	3	13	6.52E-01
.	2	6	5.12E-01
1.05	7	30	9.06E-01
1.08	1	8	3.46E-01
0.69	5	24	1.04E-01
0.61	3	10	7.06E-01
2.40	3	3	7.64E-01
0.62	17	72	7.85E-01
.	2	3	4.48E-01
1.17	5	9	1.36E-01
1.14	16	56	9.69E-01
1.15	4	6	1.44E-01
.	14	31	9.22E-01
0.93	17	81	9.84E-01
1.16	8	26	1.87E-01
.	13	62	7.71E-01
.	5	18	9.41E-01
2.53	62	289	7.02E-01
.	28	155	9.61E-01
.	2	3	5.75E-02
.	4	15	9.70E-01
.	3	17	5.04E-01
.	27	154	4.02E-01
.	115	636	1.49E-01
1.58	6	23	3.55E-01
0.84	23	99	8.83E-01
1.19	27	78	7.71E-01

1.54	34	135	6.35E-01
.	2	5	1.82E-01
1.11	3	17	3.78E-01
1.26	12	33	1.86E-01
0.10	1	9	2.36E-01
.	4	15	7.89E-01
0.20	20	79	4.85E-01
0.98	5	15	1.96E-01
1.86	3	12	4.13E-01
1.94	12	38	1.00E+00
.	11	20	3.63E-01
0.38	22	83	8.02E-01
0.28	2	29	9.76E-01
0.68	27	124	6.36E-01
1.87	30	106	4.63E-01
1.07	21	44	3.03E-01
1.46	92	353	9.27E-01
.	3	15	8.94E-01
1.19	9	29	7.23E-01
0.67	13	32	1.91E-01
1.23	1	8	7.32E-01
.	7	19	1.46E-01
0.21	1	12	6.86E-01
1.63	24	98	8.60E-01
1.18	70	387	4.14E-01
1.99	271	1377	4.92E-01
2.20	114	357	7.09E-01
.	1	4	7.64E-01
.	3	20	9.23E-01
1.03	19	78	7.09E-01
.	6	12	8.11E-01
1.23	7	36	7.83E-01
.	10	43	7.80E-01
0.42	15	65	6.86E-01
.	1	20	8.61E-01
.	28	128	7.19E-01
1.06	6	37	9.91E-01
1.25	23	122	8.28E-01
.	2	7	1.26E-01
.	57	286	9.05E-01
.	112	494	4.99E-01

.	77	373	5.53E-01
.	1	10	8.50E-01
0.60	4	10	9.52E-01
1.53	99	386	9.41E-01
0.50	1	12	7.76E-01
0.30	1	8	5.60E-01
.	16	73	6.08E-01
.	8	24	7.39E-01
0.67	38	184	7.43E-01
2.05	18	64	5.02E-01
0.50	3	5	1.57E-01
1.09	439	1858	1.00E+00
0.96	598	2424	9.75E-01
0.66	100	488	1.00E+00
3.70	7	23	3.85E-01
0.48	10	29	6.46E-01
1.10	61	244	9.01E-01
0.62	24	96	4.90E-01
1.16	29	99	9.98E-01
.	2	5	1.95E-01
.	14	67	8.98E-01
0.53	8	34	1.59E-01
1.90	11	19	2.98E-01
0.90	2	25	9.24E-01
4.56	42	155	4.67E-01
0.47	1	11	5.32E-01
.	56	327	9.22E-01
.	0	6	5.24E-01
.	23	78	9.61E-01
.	0	5	6.53E-01
.	4	15	3.25E-01
.	10	26	7.45E-03
.	7	12	4.15E-01
.	37	103	8.70E-01
.	8	27	9.75E-01
0.66	2	21	8.45E-01
.	1	6	8.44E-01
0.25	0	17	9.28E-01
1.30	2	15	7.27E-01
2.46	1	10	4.57E-01
0.65	5	29	4.97E-01

0.55	55	252	7.67E-01
.	10	46	6.34E-01
.	26	134	8.12E-01
1.05	81	453	4.17E-01
1.04	27	96	1.00E+00
.	2	19	5.59E-01
.	66	181	4.75E-01
.	3	19	6.39E-01
1.29	33	105	2.37E-01
1.11	23	103	8.87E-01
0.88	96	446	9.53E-01
.	2	27	9.20E-01
0.52	5	21	1.55E-01
.	1	4	9.12E-01
.	1	6	8.39E-01
3.33	50	230	1.13E-01
0.62	202	916	1.00E+00
1.44	105	394	3.90E-01
.	3	3	2.29E-01
2.23	1	7	5.10E-01
0.16	18	58	4.46E-02
2.81	7	41	2.35E-01
6.59	192	924	2.88E-01
0.10	8	64	5.53E-01
.	1	7	2.77E-01
.	1	8	1.01E-01
.	3	7	1.53E-01
.	1	5	8.26E-01
.	51	181	1.53E-01
.	3	22	3.92E-01
0.72	5	29	5.84E-01
2.22	9	51	3.48E-01
1.30	22	114	2.98E-01
0.76	101	383	8.39E-01
1.17	18	68	5.97E-01
.	45	163	9.64E-01
4.26	68	276	5.03E-01
1.28	42	226	1.00E+00
.	6	11	4.54E-01
.	6	19	6.84E-01
2.72	12	41	2.79E-01

0.19	19	64	3.64E-01
0.68	3	24	1.72E-01
.	8	55	5.96E-01
.	5	35	7.56E-01
.	16	42	2.23E-01
3.07	3	8	1.86E-01
1.17	8	37	8.18E-01
1.57	20	72	6.87E-01
0.77	49	243	1.00E+00
1.43	20	99	4.12E-01
.	8	42	7.53E-01
0.98	11	70	8.58E-01
.	9	71	9.39E-01
3.22	2	4	6.36E-02
2.02	8	18	5.68E-02
0.29	3	18	4.61E-01
.	12	89	3.31E-01
.	8	34	3.24E-01
1.57	91	365	4.43E-01
1.45	4	12	3.62E-01
.	43	237	4.07E-01
1.65	25	125	9.36E-01
0.83	8	21	2.93E-01
1.76	5	24	8.78E-01
1.07	59	261	9.63E-01
0.76	47	238	7.83E-01
0.42	57	325	1.00E+00
.	4	16	5.03E-01
.	1	4	2.90E-01
.	4	12	2.90E-01
.	30	125	6.29E-01
.	6	21	2.33E-01
.	1	6	4.95E-01
.	2	10	4.32E-01
1.40	7	21	7.19E-01
.	5	4	2.31E-01
.	3	3	6.82E-01
.	6	13	5.16E-01
.	2	37	2.96E-01
.	2	19	2.35E-01
2.23	70	230	4.12E-01

.	6	21	4.48E-01
.	3	5	4.66E-02
.	8	62	3.14E-01
.	10	63	1.17E-01
.	28	107	5.55E-01
.	16	123	1.10E-01
3.89	16	83	2.44E-01
.	9	75	2.80E-01
0.95	1	5	7.89E-01
0.77	3	14	4.83E-01
4.88	11	34	4.89E-01
0.86	4	15	7.82E-01
.	11	60	8.03E-01
.	4	31	3.82E-01
1.77	6	33	6.64E-01
0.19	107	476	3.02E-01
0.69	8	77	3.55E-01
0.43	7	34	9.14E-01
5.63	23	78	3.10E-01
.	3	43	6.34E-01
.	2	5	3.74E-01
.	10	42	9.74E-01
1.58	5	12	2.71E-01
12.71	55	231	7.68E-01
1.49	12	29	7.69E-01
5.65	6	21	1.53E-01
1.60	17	73	6.95E-01
.	1	8	8.37E-01
.	8	35	9.92E-01
0.58	17	58	3.95E-01
2.88	5	18	9.65E-01
0.41	7	54	9.92E-01
0.65	6	38	8.83E-01
.	1	4	3.58E-01
1.07	40	188	4.92E-01
1.95	25	80	3.35E-01
1.50	93	418	9.28E-01
4.35	80	330	8.62E-01
0.10	35	143	9.13E-01
0.84	11	29	4.14E-01
0.34	11	57	9.84E-01

.	7	14	2.59E-02
1.20	13	102	9.98E-01
2.05	17	29	4.88E-01
.	2	5	1.06E-01
1.12	9	34	4.55E-01
0.64	6	38	3.61E-01
0.79	69	289	9.81E-01
1.12	20	84	9.99E-01
.	8	14	6.16E-01
.	57	201	1.98E-01
2.32	95	429	8.11E-01
.	2	8	4.13E-01
0.25	3	24	9.88E-01
1.68	2	5	9.27E-01
0.33	4	17	1.32E-01
1.39	12	40	9.26E-01
.	0	5	6.90E-01
1.38	2	9	3.60E-01
2.46	49	191	5.71E-01
0.09	2	16	5.04E-01
1.13	3	9	3.46E-01
1.40	15	61	9.13E-01
1.93	4	13	2.44E-01
1.41	2	13	2.62E-01
2.50	8	10	1.01E-02
0.44	2	24	5.09E-01
0.33	4	37	1.23E-01
0.83	5	30	7.23E-01
5.00	8	7	1.04E-03
1.60	51	190	4.95E-01
0.49	4	37	2.49E-01
.	0	6	7.53E-01
0.82	8	17	9.33E-01
1.89	5	30	6.34E-01
.	8	23	1.49E-01
0.29	9	45	9.57E-01
.	0	9	7.98E-01
.	4	21	9.01E-01
.	85	380	1.00E+00
.	7	42	4.82E-01
.	4	8	4.27E-01

.	63	282	9.83E-01
2.40	38	148	9.97E-01
0.16	109	461	1.00E+00
0.48	6	60	3.75E-01
0.55	3	17	7.14E-01
0.37	13	69	3.61E-01
1.22	46	189	5.19E-01
1.11	2	17	7.35E-01
4.13	12	37	4.58E-03
0.27	1	15	8.35E-01
1.39	8	29	7.35E-01
.	2	5	6.17E-01
0.91	18	199	9.83E-01
.	7	29	1.06E-01
0.56	31	133	5.55E-01
1.49	76	325	9.74E-01
.	3	2	8.02E-01
1.08	52	209	7.90E-01
1.78	46	234	8.65E-01
0.46	38	203	8.00E-01
1.21	1	9	7.81E-01
.	1	8	4.82E-01
.	10	38	8.89E-01
.	25	111	8.19E-01
0.98	29	129	6.26E-01
1.57	45	186	9.57E-01
.	44	196	8.48E-01
.	1	4	6.95E-01
1.22	4	13	5.01E-01
1.11	37	163	8.25E-01
1.11	16	92	9.08E-02
1.07	68	367	8.09E-02
.	136	639	6.53E-01
0.90	48	193	9.31E-01
0.23	21	100	8.55E-01
1.92	15	49	2.17E-01
0.56	9	51	4.06E-01
.	6	27	6.05E-01
.	2	10	4.84E-01
0.84	47	300	6.33E-01
0.80	4	37	2.72E-01

.	120	449	9.99E-01
8.28	123	479	1.57E-01
.	14	29	4.68E-01
0.56	61	272	9.09E-02
.	41	183	5.82E-01
.	3	15	7.79E-01
0.55	0	8	7.67E-01
.	3	5	5.78E-01
2.70	8	18	5.97E-02
1.67	53	262	1.48E-01
0.09	0	12	4.79E-01
1.22	14	59	4.54E-01
1.12	46	219	5.65E-01
0.97	21	84	9.90E-01
0.50	33	157	5.21E-01
0.41	8	54	8.97E-01
.	8	40	1.70E-01
.	1	9	3.72E-01
0.48	91	374	1.00E+00
.	13	50	7.12E-01
0.46	8	34	9.30E-01
0.84	3	15	9.18E-01
.	26	117	8.97E-01
0.92	102	513	1.27E-01
0.76	35	179	1.00E+00
.	26	108	3.24E-01
1.60	71	266	9.28E-01
0.99	23	140	9.47E-01
1.36	41	168	8.39E-01
0.88	320	1317	9.86E-01
0.15	1	13	7.27E-01
.	2	12	4.62E-01
.	5	28	2.35E-01
.	10	36	8.64E-01
0.83	3	15	9.10E-01
1.23	13	60	8.16E-01
0.16	64	334	1.00E+00
5.60	66	327	8.13E-01
1.17	70	306	7.77E-01
0.63	182	843	6.93E-01
.	66	307	8.87E-01

.	8	21	1.92E-01
.	0	5	3.44E-01
.	13	41	9.40E-02
1.18	58	278	9.16E-01
2.18	122	484	6.51E-01
.	1	5	2.25E-01
2.42	7	31	5.43E-01
.	15	124	3.36E-01
.	2	11	6.44E-01
.	12	37	4.13E-01
.	3	9	3.21E-01
1.94	69	306	8.50E-01
1.27	12	62	7.33E-01
.	1	17	3.27E-01
.	19	48	3.57E-02
.	3	10	3.97E-01
0.20	31	119	5.24E-01
1.44	8	23	2.08E-01
0.64	72	241	4.01E-01
1.07	2	7	1.25E-01
2.47	5	11	3.13E-01
1.65	83	384	8.40E-01
0.73	4	19	7.65E-01
2.00	4	12	2.47E-01
.	13	56	7.58E-01
.	5	38	6.56E-01
.	7	28	4.89E-01
0.57	3	14	4.47E-01
.	42	210	9.75E-01
.	2	5	2.24E-01
1.70	4	17	3.81E-01
0.07	1	6	8.78E-02
0.51	4	30	2.50E-01
.	20	108	1.63E-01
.	5	9	2.45E-01
.	2	8	4.94E-01
1.33	31	133	5.82E-01
0.13	3	21	5.74E-01
1.40	231	1008	1.00E+00
1.74	2	10	2.36E-01
0.80	3	6	5.47E-01

0.77	3	13	9.41E-01
1.71	8	36	9.45E-01
1.79	2	12	2.26E-01
1.04	13	45	6.63E-01
1.80	5	25	3.13E-01
0.96	9	49	6.74E-01
0.66	24	103	1.71E-01
0.39	5	18	6.54E-01
1.38	38	131	2.68E-01
.	2	9	7.23E-02
1.46	38	144	1.00E+00
0.53	4	26	6.26E-01
0.19	4	47	1.00E+00
1.18	106	506	4.10E-01
1.15	36	129	4.20E-01
1.52	8	37	3.11E-01
3.29	95	366	9.45E-01
.	16	84	2.63E-01
.	30	127	8.79E-01
1.26	6	40	6.36E-01
2.20	43	241	9.85E-01
1.56	4	8	6.50E-01
.	0	6	8.36E-01
0.49	65	273	9.06E-01
1.19	10	46	4.92E-02
1.93	7	16	2.81E-01
4.14	4	8	2.08E-01
0.83	8	36	3.89E-01
1.42	10	17	3.06E-02
2.25	30	149	9.06E-01
0.33	5	30	1.51E-01
0.26	3	31	3.24E-01
0.18	3	11	2.67E-01
0.91	17	76	6.18E-01
1.81	6	30	1.34E-01
1.12	19	123	5.60E-01
.	126	578	1.00E+00
.	0	5	6.72E-01
.	12	64	9.44E-01
0.56	13	75	4.19E-01
3.43	14	70	3.75E-01

14.59	3	7	6.40E-02
1.67	64	258	4.66E-01
0.49	24	105	4.86E-01
.	5	13	4.41E-01
.	13	46	7.73E-01
3.39	8	9	5.69E-02
0.60	6	36	7.71E-01
0.54	3	13	9.72E-01
0.60	1	8	8.71E-01
5.47	7	13	1.52E-01
0.44	11	77	1.00E+00
1.51	100	341	4.08E-02
1.60	31	110	7.80E-01
1.92	66	275	9.50E-01
3.87	133	573	8.10E-01
2.12	0	7	7.65E-01
.	4	8	2.60E-02
.	1	13	8.41E-01
1.26	3	19	3.61E-03
.	0	9	4.28E-01
.	14	97	7.54E-01
.	0	5	5.77E-01
2.61	82	281	8.51E-01
0.95	31	146	8.05E-01
0.86	11	58	4.04E-01
.	0	8	8.42E-01
2.35	38	150	9.57E-01
1.38	12	45	9.99E-01
.	1	5	7.99E-01
.	7	17	2.70E-01
.	68	339	6.96E-01
.	3	28	4.97E-01
.	2	10	5.87E-01
.	16	54	6.28E-01
.	9	15	6.40E-01
1.11	7	19	9.18E-01
.	1	16	4.75E-01
0.63	17	62	9.08E-01
.	74	398	2.69E-01
2.74	30	131	7.97E-01
0.58	5	33	3.72E-01

.	1	5	8.18E-01
2.50	109	434	7.00E-01
.	72	283	2.24E-01
.	54	216	8.28E-01
1.94	9	41	7.70E-01
1.33	4	13	1.59E-01
2.13	4	14	3.85E-01
.	3	14	1.88E-01
.	80	298	8.39E-01
.	37	166	3.57E-02
0.72	7	52	1.78E-01
1.25	88	331	9.93E-01
0.71	103	397	7.92E-01
0.98	20	119	7.97E-01
1.34	3	10	2.65E-01
1.03	3	8	8.13E-01
1.83	8	26	1.86E-01
0.38	29	76	2.05E-02
0.96	7	19	7.11E-01
1.91	3	14	3.65E-01
0.47	68	309	9.00E-01
0.44	14	86	6.58E-01
0.54	4	22	1.00E+00
0.65	23	94	8.06E-01
0.73	2	23	5.66E-01
2.90	6	37	6.81E-01
.	8	35	1.24E-01
1.45	2	7	7.50E-01
1.17	6	27	6.85E-01
1.64	45	164	1.00E+00
2.75	8	24	9.49E-01
1.14	67	274	7.30E-01
0.80	42	229	5.36E-01
0.53	107	422	8.11E-01
0.71	34	147	8.92E-01
1.82	7	25	7.53E-01
0.99	112	418	3.65E-01
2.24	72	354	1.90E-01
0.41	21	78	5.54E-01
0.62	5	14	9.15E-01
.	10	42	7.55E-01

0.48	4	21	6.26E-01
.	7	11	3.17E-03
.	5	16	1.71E-02
1.28	2	12	6.86E-01
1.26	0	8	6.94E-01
.	8	36	9.95E-01
0.56	15	92	6.67E-01
0.55	14	62	7.19E-01
.	1	8	6.73E-01
.	1	7	1.48E-01
2.67	18	86	7.39E-01
1.01	1	12	5.25E-01
.	84	401	8.25E-01
.	11	50	8.77E-01
1.41	1	10	8.41E-01
.	1	6	3.94E-01
0.74	2	8	8.66E-01
0.90	3	25	6.06E-01
1.06	6	14	4.42E-01
.	1	15	2.61E-01
0.16	32	169	9.06E-01
1.70	49	186	2.60E-01
1.06	148	528	9.07E-01
0.63	18	47	1.00E+00
0.97	138	584	9.71E-01
0.79	21	81	1.67E-02
0.38	19	117	7.32E-01
0.59	65	311	1.00E+00
.	1	4	1.87E-01
1.35	16	78	8.76E-01
1.97	11	59	9.27E-01
2.38	3	5	2.95E-01
.	20	97	1.78E-01
.	5	39	9.99E-01
3.23	55	209	7.93E-01
.	4	46	5.91E-01
.	2	10	6.20E-01
2.55	1	4	3.32E-01
1.35	12	56	9.88E-01
1.63	2	8	8.38E-01
.	0	8	7.60E-01

0.79	9	46	9.84E-01
.	3	17	6.47E-01
.	0	7	2.23E-01
0.96	2	8	7.42E-01
.	15	87	7.34E-01
0.92	2	11	1.39E-01
.	1	7	4.97E-01
1.28	4	7	4.03E-01
1.67	19	62	2.62E-01
.	5	9	5.97E-01
1.31	9	20	1.14E-01
.	21	73	5.59E-01
0.44	76	380	9.04E-01
.	65	259	5.95E-01
.	31	103	1.58E-02
.	0	6	9.20E-02
.	1	4	4.30E-01
.	0	13	6.36E-01
.	1	8	1.90E-01
.	21	124	7.86E-02
.	1	6	5.74E-01
.	81	340	8.94E-01
0.69	18	87	7.60E-01
2.58	12	33	1.81E-02
3.03	25	105	7.61E-01
0.28	1	8	2.79E-01
2.36	2	13	3.99E-01
0.06	1	20	6.74E-01
1.35	11	61	8.68E-01
2.32	133	540	9.34E-01
.	2	16	4.58E-01
2.18	61	244	2.11E-01
0.69	39	173	2.37E-01
7.41	113	414	1.50E-01
.	0	7	7.59E-01
1.12	12	49	4.64E-01
.	24	99	9.81E-01
.	20	101	8.35E-01
.	1	8	7.50E-01
.	0	5	6.06E-01
1.44	17	57	9.56E-02

0.65	13	54	7.07E-01
0.81	0	9	7.83E-01
.	15	77	5.01E-01
1.62	9	36	6.13E-01
.	3	13	3.16E-01
.	4	10	1.39E-01
.	7	59	3.89E-01
.	50	197	7.75E-01
.	1	4	6.07E-01
1.03	4	26	4.34E-01
.	11	39	6.28E-02
.	5	17	5.01E-01
.	6	15	6.77E-01
.	79	306	3.27E-01
0.88	8	27	7.24E-01
.	52	349	1.47E-01
.	2	9	6.48E-01
.	1	4	2.89E-01
1.85	55	152	4.24E-01
.	5	33	2.76E-01
.	76	387	7.40E-01
.	8	61	1.73E-01
.	0	7	4.10E-01
.	3	21	3.20E-01
2.75	26	94	2.19E-01
0.35	0	8	8.26E-01
2.51	19	109	6.43E-01
.	3	21	3.45E-01
.	0	5	4.79E-01
0.69	14	39	4.29E-01
1.38	11	37	4.18E-01
0.40	2	12	1.25E-01
.	0	8	8.18E-01
.	1	4	6.83E-01
0.62	2	15	6.97E-01
3.22	6	11	8.55E-01
0.67	252	970	8.68E-01
.	7	25	7.89E-01
.	5	21	4.91E-01
13.10	6	51	7.71E-02
.	1	6	1.79E-01

0.28	58	286	6.37E-01
.	2	4	8.32E-01
0.38	8	45	1.22E-01
.	2	12	6.70E-02
6.78	6	33	2.57E-01
2.05	11	31	6.95E-01
.	2	12	6.92E-01
8.09	1	5	1.48E-01
.	24	118	9.07E-01
.	1	6	2.15E-01
.	1	7	8.10E-01
.	11	82	6.15E-01
.	21	69	1.09E-01
.	36	120	3.10E-01
.	11	30	7.64E-01
.	1	6	3.40E-01
.	0	11	4.41E-01
0.98	6	29	4.77E-01
2.69	43	180	5.93E-01
.	54	246	7.94E-01
3.50	1	5	3.97E-01
1.17	33	139	8.82E-01
.	6	18	7.24E-01
.	7	18	4.09E-01
.	6	22	4.75E-01
.	2	10	1.66E-01
.	5	19	5.95E-01
.	25	62	3.05E-01
2.31	6	19	1.24E-01
.	4	9	3.30E-01
.	13	63	9.80E-01
.	1	6	8.45E-01
.	11	35	2.39E-01
.	27	81	7.04E-01
.	5	15	7.17E-01
1.58	1	4	7.10E-01
6.21	2	4	2.36E-01
.	3	14	5.67E-01
0.61	14	65	4.94E-01
3.47	13	40	2.30E-01
.	2	4	3.96E-01

.	0	7	7.63E-01
.	3	14	6.55E-01
0.77	20	122	3.08E-01
0.34	15	77	6.45E-01
.	2	10	3.77E-02
.	2	6	1.75E-01
.	0	8	8.04E-01
.	12	76	1.81E-01
.	12	44	8.23E-01
.	2	10	4.35E-01
1.32	15	64	1.00E+00
0.59	4	37	1.54E-01
.	1	6	8.23E-01
2.38	11	32	9.14E-01
0.13	6	28	7.59E-01
.	7	24	6.15E-01
.	2	16	5.30E-01
.	0	10	7.44E-01
.	3	24	6.99E-01
.	12	40	9.90E-02
1.74	33	140	6.37E-01
.	3	2	1.31E-02
.	1	4	2.04E-01
.	1	6	7.99E-01
0.80	2	4	1.41E-01
0.49	20	129	6.08E-01
1.29	8	40	6.19E-01
.	3	12	8.69E-01
.	22	74	9.91E-01
.	1	14	9.45E-01
4.09	10	27	7.04E-01
.	2	9	4.54E-01
.	13	43	8.23E-01
.	2	4	3.28E-01
1.02	46	220	9.80E-01
0.66	1	15	6.29E-01
.	30	58	4.30E-03
.	16	77	2.37E-01
.	4	2	2.64E-03
.	2	6	2.22E-01
.	4	23	9.85E-01

0.84	15	100	9.79E-01
0.47	6	20	3.09E-01
.	2	12	9.08E-01
1.31	40	252	3.32E-01
.	18	88	9.11E-01
.	7	36	8.30E-01
.	1	11	8.35E-01
.	2	13	9.40E-01
0.53	9	38	2.91E-01
.	61	264	3.04E-01
0.69	35	158	1.00E+00
.	3	10	7.75E-02
1.47	4	12	9.30E-01
.	2	4	6.75E-02
.	1	5	1.70E-01
1.21	6	22	7.48E-02
.	3	15	7.65E-01
.	3	7	5.82E-01
1.77	24	75	3.53E-01
1.18	0	5	6.46E-01
0.27	16	60	1.67E-01
3.37	13	76	1.08E-01
.	1	8	8.90E-01
.	2	10	7.26E-01
1.66	2	7	6.62E-01
0.73	6	28	1.99E-01
1.55	19	71	9.39E-01
0.99	17	88	9.64E-01
.	2	6	2.98E-01
1.17	36	134	9.48E-01
1.20	5	17	3.73E-01
3.56	6	10	1.51E-02
1.28	30	91	9.66E-02
1.36	10	32	8.92E-01
1.24	2	14	7.53E-01
0.97	105	479	1.00E+00
0.67	18	85	7.61E-01
0.80	104	474	9.26E-01
0.33	10	66	6.89E-01
1.19	9	32	8.96E-01
0.92	19	87	5.87E-01

1.40	52	230	9.91E-01
0.90	102	413	9.76E-01
2.63	19	49	6.45E-01
1.54	17	59	1.32E-01
3.81	17	73	4.87E-01
0.43	3	41	9.48E-01
.	2	11	8.70E-01
.	3	33	8.64E-02
.	3	11	6.26E-01
0.81	2	38	1.11E-02
.	9	27	9.48E-01
.	51	246	7.52E-01
1.08	130	437	9.13E-01
0.62	4	29	7.59E-01
.	3	18	9.66E-01
.	38	154	3.52E-01
.	22	101	7.21E-01
.	2	4	1.15E-01
2.73	5	7	3.87E-02
.	53	247	7.11E-01
5.61	11	31	4.31E-01
0.64	73	295	9.98E-01
1.18	11	29	1.00E+00
0.81	52	219	5.03E-01
1.67	9	31	3.56E-01
1.08	7	28	2.97E-01
1.80	48	159	7.05E-01
.	0	9	4.64E-01
1.36	10	35	6.52E-01
.	4	12	1.39E-01
1.00	12	95	8.03E-01
1.02	17	80	2.37E-01
.	17	68	4.48E-01
0.15	23	164	1.86E-01
1.83	8	19	4.38E-01
0.83	54	275	9.97E-01
0.56	1	7	8.41E-01
2.67	4	11	2.74E-01
0.72	41	194	9.10E-01
2.79	4	26	3.30E-01
.	6	10	7.56E-03

0.53	0	10	8.05E-01
4.07	2	5	2.17E-01
1.50	2	4	8.42E-01
.	3	22	4.46E-01
2.39	1	17	4.05E-01
2.18	13	26	3.12E-01
2.02	2	5	8.67E-01
.	3	3	4.26E-01
0.97	7	38	4.71E-01
1.67	14	35	7.20E-01
0.87	37	135	5.30E-01
2.42	27	139	8.06E-01
1.07	48	279	9.75E-01
0.51	3	19	5.85E-01
0.64	4	31	6.64E-01
1.53	14	40	7.35E-01
1.15	221	1077	8.35E-01
0.78	7	26	3.16E-01
1.16	91	298	1.00E+00
0.94	0	5	7.16E-01
1.78	4	5	8.36E-01
.	0	5	7.62E-01
0.49	2	7	5.53E-01
0.61	13	74	7.27E-01
.	4	3	7.38E-02
.	0	5	6.04E-01
.	25	95	4.49E-01
.	3	2	7.28E-01
0.25	0	7	8.83E-01
.	3	5	3.90E-01
2.04	14	59	9.50E-01
1.04	56	274	1.00E+00
.	64	347	1.00E+00
0.63	20	37	3.26E-01
1.10	24	147	2.40E-01
0.73	69	428	7.07E-01
1.34	28	119	4.64E-01
1.54	123	529	7.95E-01
2.15	34	132	2.90E-01
0.68	2	8	9.57E-01
.	6	23	2.97E-01

.	29	151	1.00E+00
1.44	5	25	2.72E-01
1.45	9	24	9.67E-01
3.64	9	13	7.06E-02
.	5	15	2.37E-01
2.24	16	47	4.97E-02
.	0	5	6.31E-01
1.00	2	9	4.12E-01
.	0	6	7.73E-01
2.77	5	9	8.27E-01
1.10	10	55	9.99E-01
.	6	37	1.80E-01
1.47	30	140	7.34E-01
0.42	43	199	9.43E-01
0.83	45	149	9.90E-02
2.04	24	74	7.71E-01
1.43	25	146	8.80E-01
.	34	132	6.31E-01
3.14	21	67	2.98E-01
.	29	127	1.68E-01
.	0	13	7.37E-01
.	64	282	3.22E-01
.	0	16	9.26E-01
1.44	2	11	9.65E-01
0.91	15	74	9.97E-01
1.79	4	14	4.96E-01
.	27	116	1.00E+00
.	19	75	7.12E-01
0.90	21	114	9.46E-01
0.10	2	21	8.66E-02
1.65	2	8	6.22E-01
1.49	25	89	5.83E-01
1.09	51	169	9.43E-02
0.12	124	514	7.19E-01
.	7	59	2.06E-02
4.28	9	11	3.57E-01
.	2	6	8.22E-01
.	0	6	7.96E-01
.	36	163	8.97E-01
.	5	9	2.05E-01
0.99	6	23	6.10E-01

0.83	4	18	2.74E-01
1.20	6	31	7.43E-01
0.72	12	56	4.61E-01
1.11	17	66	5.98E-01
0.40	35	143	9.00E-01
.	9	19	4.21E-01
.	4	38	5.11E-01
0.94	9	38	9.97E-01
1.59	3	10	4.25E-01
1.10	1	7	8.66E-01
0.24	4	50	2.66E-01
0.75	1	8	7.98E-01
0.37	0	6	8.01E-01
0.58	32	146	7.55E-01
2.94	23	60	4.97E-02
0.18	6	36	5.69E-01
1.04	6	26	6.00E-01
.	5	1	9.94E-03
0.34	7	46	2.87E-02
.	2	4	1.28E-01
0.74	33	139	8.86E-01
0.52	13	63	3.43E-01
.	7	21	1.24E-01
0.96	6	18	9.35E-01
.	0	5	7.16E-01
1.08	8	45	8.81E-01
.	1	8	6.30E-01
2.68	17	57	8.76E-01
1.24	139	614	1.67E-01
.	2	3	8.12E-01
1.71	13	59	5.85E-01
.	5	17	2.84E-01
.	2	4	4.22E-01
.	54	249	9.97E-01
.	20	109	5.42E-01
0.69	4	19	3.95E-01
2.92	4	18	3.42E-01
.	42	167	7.02E-02
.	134	588	1.00E+00
2.66	3	13	5.77E-01
.	3	5	9.39E-02

.	5	16	2.31E-01
.	3	13	9.72E-01
3.76	2	18	5.79E-01
.	27	125	7.22E-01
0.78	4	20	9.20E-01
1.09	23	90	1.00E+00
1.72	59	253	9.30E-01
0.54	1	14	9.48E-01
.	0	6	3.63E-01
0.63	4	21	3.36E-01
2.02	68	289	1.00E+00
0.82	111	578	7.34E-01
1.19	1	4	7.74E-01
0.35	62	244	1.00E+00
0.09	18	87	8.68E-01
0.95	7	54	7.07E-01
.	10	70	9.15E-01
0.87	7	41	9.53E-01
.	1	4	4.13E-01
.	2	18	8.70E-01
2.44	2	5	7.63E-01
.	4	18	4.48E-01
2.10	6	12	1.27E-01
2.09	29	99	8.79E-01
0.95	7	44	7.40E-01
.	6	16	4.57E-01
0.68	4	20	7.66E-01
0.62	11	98	5.87E-01
0.98	23	56	7.32E-01
.	10	28	6.24E-01
1.16	11	37	6.12E-01
.	9	32	6.39E-01
0.40	144	662	1.69E-02
0.97	6	15	6.33E-01
.	1	5	7.34E-01
.	2	20	4.93E-02
2.67	5	14	2.62E-01
.	0	11	6.92E-01
.	2	4	6.09E-01
.	22	91	5.52E-01
1.12	24	97	9.99E-01

.	2	6	5.47E-02
.	8	67	8.23E-02
.	5	14	3.89E-01
0.69	70	337	9.26E-01
3.61	18	36	4.77E-02
0.44	2	21	6.56E-01
2.27	7	35	5.12E-01
1.05	39	220	5.33E-01
0.55	1	10	8.29E-02
.	18	87	1.28E-01
0.60	3	17	8.63E-01
1.42	7	29	2.80E-01
.	12	45	5.71E-01
1.28	1	7	6.35E-01
0.77	7	27	9.02E-01
.	3	7	6.37E-01
0.91	69	268	9.22E-01
0.49	10	68	2.61E-01
0.90	3	22	3.48E-01
0.48	7	51	1.64E-01
.	14	74	7.33E-01
.	50	262	8.64E-02
1.94	78	333	2.59E-01
1.44	18	45	9.21E-01
0.26	6	57	5.25E-01
1.91	44	192	3.45E-01
2.40	24	124	9.36E-01
1.42	7	22	8.53E-02
.	0	19	9.07E-02
1.46	65	269	9.08E-01
0.66	6	39	7.97E-01
.	2	10	4.51E-01
0.98	7	13	6.45E-02
3.24	6	31	7.21E-01
0.33	7	36	3.54E-01
0.34	5	17	1.99E-01
0.78	8	47	9.66E-01
0.84	42	184	8.74E-01
.	10	17	8.85E-01
0.49	1	17	5.03E-01
0.82	2	14	7.04E-01

0.78	7	23	6.98E-01
1.04	148	732	9.55E-01
4.10	22	92	4.77E-01
0.74	53	216	9.83E-01
5.28	63	232	7.43E-01
1.02	22	91	1.59E-01
3.29	9	9	2.40E-01
.	2	5	7.57E-01
.	2	7	9.00E-01
0.62	3	11	3.98E-01
0.93	12	56	9.56E-01
.	8	29	2.45E-01
1.00	13	42	4.92E-01
1.25	116	534	6.07E-01
1.81	5	17	4.19E-01
0.33	49	252	6.85E-01
1.36	6	21	5.31E-01
0.82	4	20	4.00E-01
1.57	0	19	3.42E-01
3.09	14	56	4.94E-01
1.54	4	17	5.96E-01
0.10	3	29	6.27E-01
.	0	6	1.96E-01
.	2	4	8.06E-01
.	3	4	1.20E-01
1.86	36	220	4.04E-01
.	21	60	3.44E-01
.	12	27	8.98E-01
.	9	38	7.33E-01
1.33	56	265	4.24E-01
1.09	39	180	1.00E+00
0.96	12	36	5.77E-01
0.62	5	25	6.19E-01
1.14	3	7	7.71E-01
0.84	8	34	7.57E-01
2.62	13	55	7.96E-01
1.87	2	9	6.98E-01
1.21	3	18	7.76E-01
.	29	103	9.99E-01
.	7	35	3.65E-01
1.69	31	132	7.71E-01

2.42	2	10	8.20E-01
.	6	11	5.18E-01
1.79	2	11	5.94E-01
.	1	17	7.80E-01
0.36	2	12	2.10E-01
0.85	4	25	5.81E-01
1.00	253	1165	1.00E+00
0.92	79	340	4.29E-01
1.85	12	80	2.29E-01
1.48	52	170	3.88E-01
0.60	101	462	9.66E-01
0.99	22	124	4.95E-01
2.30	22	61	6.04E-01
1.03	92	419	9.61E-01
1.51	8	29	4.21E-01
1.81	3	7	7.53E-01
1.22	37	191	4.95E-01
0.22	3	18	5.64E-01
0.80	15	68	4.28E-01
0.94	23	108	9.58E-01
0.62	34	173	9.96E-01
2.03	133	523	4.85E-01
.	6	29	4.40E-01
.	37	224	7.32E-01
1.55	14	114	1.60E-01
0.27	1	5	4.94E-01
.	19	78	7.44E-01
2.24	8	24	1.83E-01
0.88	51	251	9.16E-01
0.40	21	93	9.80E-01
.	5	28	1.00E+00
.	1	8	5.05E-01
1.07	71	307	1.00E+00
.	1	6	7.39E-01
1.73	312	1192	3.38E-01
0.12	2	21	4.89E-01
.	2	7	7.36E-01
5.93	2	29	6.83E-01
4.53	6	21	5.09E-01
.	0	6	8.28E-01
0.63	65	326	5.16E-01

1.53	42	173	4.15E-01
2.89	10	87	1.42E-01
.	6	37	8.99E-01
0.13	355	1630	8.96E-01
.	5	19	4.95E-02
.	5	4	8.77E-01
1.07	22	86	9.94E-01
.	1	24	1.92E-01
1.04	67	255	6.54E-01
1.42	5	24	2.82E-01
1.78	14	26	4.45E-03
1.20	2	5	8.82E-01
.	0	5	5.97E-01
1.14	4	25	8.01E-01
1.64	10	38	9.97E-01
.	16	61	7.40E-01
.	1	5	7.24E-01
0.23	0	9	9.36E-01
0.35	4	9	5.60E-01
2.11	18	53	2.30E-02
1.52	1	10	5.12E-01
1.67	11	35	5.86E-02
0.20	13	91	8.21E-01
1.30	83	353	9.98E-01
.	4	20	2.94E-01
.	5	14	2.65E-01
.	30	107	8.77E-02
.	16	73	7.87E-01
.	6	34	7.50E-01
.	119	487	5.76E-01
0.24	4	20	3.02E-01
1.65	10	25	4.51E-01
0.29	1	15	2.27E-01
.	52	210	8.78E-01
.	25	176	6.94E-02
0.73	8	53	8.29E-01
.	4	15	7.46E-01
0.96	6	29	7.72E-01
.	2	19	4.89E-01
8.43	2	4	2.05E-02
.	0	5	3.96E-01

0.04	7	43	4.21E-01
0.39	12	67	1.00E+00
1.35	11	40	6.66E-01
.	8	48	9.95E-01
1.91	21	105	9.30E-01
1.15	8	22	5.90E-01
1.08	8	45	8.24E-01
1.30	37	208	9.93E-01
0.05	5	33	4.20E-01
0.74	4	28	9.29E-01
1.05	129	686	1.14E-01
0.97	31	162	6.34E-01
0.77	5	12	2.13E-02
0.90	42	165	8.65E-01
1.02	3	14	4.52E-01
0.71	57	226	8.49E-01
0.27	6	44	4.87E-01
1.59	96	428	8.97E-01
1.68	88	321	8.73E-01
1.59	50	234	4.13E-01
1.83	97	417	6.32E-01
.	1	5	2.71E-01
.	10	39	5.99E-01
9.35	28	145	8.96E-01
1.21	1	6	8.40E-01
0.36	1	14	4.24E-01
0.65	2	26	7.31E-01
1.19	19	69	9.66E-01
0.38	58	221	4.94E-01
1.48	10	53	6.75E-01
1.47	21	74	3.60E-01
.	3	15	8.26E-01
.	0	7	8.35E-01
0.41	10	57	8.74E-01
0.35	144	632	8.38E-01
0.59	32	182	6.45E-01
0.08	6	43	6.10E-01
0.68	7	43	9.65E-01
.	26	100	2.64E-01
.	0	5	8.44E-01
.	140	616	6.78E-01

1.13	71	295	5.49E-01
1.26	42	235	2.63E-02
0.57	5	41	2.90E-01
3.24	25	81	5.91E-02
.	9	59	5.38E-01
0.33	2	26	5.20E-01
2.05	111	528	7.15E-01
0.27	12	56	3.16E-01
0.88	78	394	7.44E-01
.	22	133	6.13E-01
1.87	4	15	6.20E-01
0.57	30	96	8.38E-01
0.86	39	168	1.00E+00
1.96	69	246	9.36E-01
0.09	17	54	2.39E-01
0.21	14	85	4.21E-01
1.10	1	4	8.05E-01
2.42	2	9	3.17E-01
0.46	84	295	1.44E-01
0.34	11	80	2.00E-01
1.08	5	35	8.18E-01
1.35	14	79	6.61E-01
0.78	45	183	4.72E-01
.	1	4	4.95E-01
1.53	2	12	4.25E-01
1.20	35	157	8.27E-01
1.07	121	514	9.33E-01
0.38	0	10	5.82E-01
1.14	3	18	9.58E-01
1.83	12	37	9.56E-02
1.19	1	6	7.78E-01
0.30	15	76	9.62E-01
0.81	6	47	8.46E-01
.	3	19	4.89E-01
.	35	114	6.67E-01
0.64	42	225	9.58E-01
0.47	2	20	6.11E-01
0.14	29	64	1.04E-02
0.95	6	28	9.06E-01
2.75	9	12	4.66E-01
1.26	5	27	4.85E-01

0.89	75	260	3.39E-01
0.50	12	45	7.07E-01
1.23	90	416	1.00E+00
0.34	10	56	1.43E-01
.	1	9	8.85E-01
.	71	270	9.42E-01
0.69	1	12	7.24E-01
.	4	4	1.51E-01
.	0	5	8.49E-01
0.31	86	298	4.01E-01
.	4	19	8.00E-01
1.11	15	93	9.98E-01
.	0	5	2.49E-01
.	19	103	5.57E-02
.	5	25	7.28E-01
.	2	8	2.60E-01
.	63	291	1.00E+00
.	13	43	2.97E-01
.	1	5	4.16E-01
0.06	9	65	8.22E-01
.	4	6	7.14E-01
.	17	59	7.14E-01
.	0	7	1.22E-01
.	0	8	5.58E-01
1.30	5	13	1.67E-01
0.64	87	423	8.21E-01
0.34	48	225	9.17E-01
.	2	6	6.65E-01
.	38	221	4.50E-01
0.92	5	18	9.75E-01
0.35	120	642	5.34E-01
.	12	36	7.11E-01
0.94	17	87	9.33E-01
1.48	39	180	5.54E-01
.	4	22	6.92E-01
5.37	12	15	2.97E-02
.	30	138	5.61E-01
.	0	5	6.22E-01
1.05	4	16	3.26E-01
1.67	1	10	5.14E-01
0.84	14	58	8.64E-01

0.62	13	33	3.30E-01
2.23	3	14	3.19E-01
.	4	2	4.09E-01
0.12	0	10	3.16E-01
1.51	12	72	2.61E-01
1.63	17	78	8.73E-01
0.46	10	51	9.61E-01
.	5	8	1.18E-01
.	1	7	3.79E-01
.	1	15	4.61E-01
1.67	15	47	4.96E-01
.	2	11	1.23E-01
1.81	40	200	7.96E-01
0.88	10	37	4.61E-01
.	4	7	3.17E-01
.	25	108	9.70E-01
.	51	230	5.31E-01
.	0	5	6.56E-01
.	0	6	6.96E-01
0.36	1	4	4.83E-01
0.41	3	28	3.00E-01
.	4	9	7.54E-01
6.35	6	5	7.42E-02
3.77	36	165	8.23E-01
.	2	3	8.35E-01
.	22	82	6.94E-01
1.23	31	178	9.04E-01
0.92	8	47	1.00E+00
.	14	51	5.85E-01
.	7	25	8.19E-01
.	1	20	8.88E-01
.	2	7	3.87E-01
3.06	14	56	5.80E-01
4.00	2	8	1.27E-01
.	3	3	2.98E-02
1.11	40	175	9.66E-01
1.73	37	171	1.00E+00
.	18	69	6.85E-01
.	10	43	7.00E-01
1.53	9	35	5.74E-01
1.04	15	52	4.01E-01

.	3	3	8.70E-02
1.69	59	248	9.83E-01
0.68	112	525	1.00E+00
0.11	28	186	1.44E-01
1.64	16	113	9.24E-02
1.09	31	145	9.98E-01
1.15	10	41	9.94E-01
1.41	4	7	7.97E-02
.	26	83	1.66E-01
.	2	8	1.35E-01
.	3	44	2.33E-02
1.79	3	19	1.05E-01
1.23	29	119	7.45E-01
.	1	5	3.93E-01
.	1	10	6.62E-01
.	3	8	3.26E-01
1.97	3	29	7.35E-01
.	5	20	8.17E-01
.	3	14	8.25E-01
.	1	5	7.74E-01
0.98	0	14	8.06E-01
.	14	58	9.96E-01
.	3	4	8.69E-02
.	2	4	8.64E-01
2.01	146	676	2.82E-01
0.53	2	14	9.57E-01
.	5	7	5.99E-01
2.68	17	61	7.06E-01
0.83	2	11	7.65E-01
0.65	5	24	9.15E-01
1.80	4	11	2.39E-02
.	29	103	4.65E-01
.	7	21	5.67E-01
0.39	3	22	5.21E-01
1.66	15	53	1.69E-01
0.24	76	434	6.70E-01
0.39	2	15	4.71E-01
1.78	7	20	1.20E-01
.	0	5	3.85E-01
.	2	15	8.55E-01
0.73	6	17	1.85E-01

1.76	55	272	4.95E-01
.	34	131	8.32E-01
0.44	5	28	8.33E-01
.	1	21	5.47E-01
.	29	148	8.68E-02
30.30	9	19	6.75E-02
1.98	139	550	7.45E-01
1.59	116	575	9.66E-01
0.60	14	42	3.75E-01
.	70	296	1.86E-01
.	3	3	6.88E-02
.	12	37	7.89E-01
0.27	18	96	4.05E-01
0.31	23	154	5.29E-01
0.66	1	14	6.59E-01
0.66	72	311	4.23E-01
.	3	20	3.24E-01
1.31	7	23	7.14E-01
0.87	280	1263	7.85E-01
0.87	15	54	2.46E-01
0.71	1	11	5.00E-01
0.17	79	410	6.99E-01
0.80	48	258	8.36E-01
1.11	74	288	8.72E-01
0.72	42	206	1.00E+00
1.61	18	33	6.52E-01
0.27	58	247	9.85E-01
1.16	8	30	5.82E-01
1.14	36	180	5.11E-01
3.09	35	144	5.34E-01
.	7	55	8.62E-01
2.94	5	17	5.49E-01
0.81	19	122	3.33E-01
0.25	34	131	4.53E-01
0.81	15	75	9.92E-01
1.22	3	15	9.33E-01
.	1	11	8.75E-01
0.23	62	282	9.96E-01
1.64	8	25	7.63E-01
2.94	16	54	1.88E-01
.	12	60	6.86E-01

0.89	0	5	6.81E-01
2.75	5	18	6.21E-02
2.04	9	27	4.12E-01
0.48	1	21	5.75E-01
0.63	2	14	7.48E-01
0.98	22	73	2.52E-01
0.76	8	38	9.75E-01
1.38	79	250	5.13E-01
.	0	13	4.20E-01
.	18	100	1.03E-01
0.84	65	289	7.72E-01
0.70	36	123	9.87E-01
.	45	215	4.18E-01
.	29	143	8.79E-01
0.55	47	198	9.11E-01
2.95	40	162	9.38E-01
0.79	55	253	2.91E-01
2.77	4	29	4.72E-01
.	3	4	4.78E-01
0.78	33	193	8.23E-01
0.86	2	6	7.80E-01
0.29	4	36	6.41E-01
.	75	331	8.05E-01
31.29	4	4	7.61E-02
.	30	96	8.16E-01
1.25	16	53	1.00E+00
1.11	7	30	6.00E-01
1.03	436	2003	1.00E+00
0.85	91	355	3.50E-01
0.68	10	40	6.87E-01
1.36	22	80	9.99E-01
.	3	13	5.30E-01
.	2	9	8.41E-01
.	5	21	5.89E-01
6.96	98	412	1.00E+00
0.67	65	267	8.27E-01
1.49	30	132	8.20E-01
.	119	538	5.48E-01
4.54	26	102	6.06E-01
1.38	12	52	6.11E-01
0.88	14	71	6.06E-01

.	37	203	3.85E-01
0.78	3	6	1.79E-01
.	71	388	9.48E-01
.	103	418	1.00E+00
11.60	6	17	5.65E-01
.	7	27	5.66E-01
2.35	73	392	1.00E+00
0.69	67	319	8.72E-01
1.17	60	295	8.66E-01
.	40	129	5.96E-01
0.74	2	17	6.91E-01
1.18	59	306	9.12E-01
1.16	15	79	5.99E-01
1.00	8	63	7.84E-01
2.15	50	216	8.11E-01
.	7	55	3.45E-02
4.71	19	47	5.55E-01
2.14	32	117	8.48E-01
.	0	5	7.90E-01
0.45	22	96	9.91E-01
0.12	2	21	4.71E-01
.	15	95	1.89E-01
2.46	3	7	3.38E-01
.	3	13	2.18E-01
0.58	23	120	7.31E-01
1.33	27	75	2.59E-01
0.73	138	569	8.56E-01
0.42	28	115	6.86E-01
.	79	384	2.32E-01
5.64	59	265	8.13E-01
1.63	12	58	9.27E-01
.	3	26	8.14E-01
1.10	12	55	3.01E-02
.	2	4	1.31E-01
0.39	1	21	3.04E-01
1.14	98	452	8.91E-01
.	29	195	1.73E-01
.	15	71	4.33E-01
1.13	37	181	7.99E-01
.	5	33	3.89E-01
0.94	83	327	4.29E-01

.	29	133	5.13E-01
.	1	5	6.25E-01
.	9	52	8.01E-01
1.81	21	94	5.37E-01
1.07	0	9	6.88E-01
0.39	6	51	6.03E-01
.	3	22	8.90E-01
1.02	7	32	7.16E-01
2.34	5	17	1.98E-01
.	37	208	3.82E-01
.	9	30	2.32E-01
.	3	12	2.25E-01
.	0	6	7.78E-01
1.01	47	289	4.79E-01
0.36	1	6	2.85E-01
0.67	2	13	6.92E-01
0.67	1	12	6.58E-01
4.69	55	292	8.45E-01
1.26	23	86	3.74E-01
1.34	14	43	9.44E-01
0.04	0	7	2.76E-01
0.49	4	36	4.56E-01
3.77	6	15	2.98E-01
1.38	82	373	6.45E-01
3.39	9	28	1.15E-01
.	1	9	8.88E-01
.	2	4	2.93E-01
.	0	5	8.67E-01
1.05	3	15	7.88E-01
.	0	9	4.15E-01
.	8	53	3.27E-01
6.62	113	483	9.59E-01
0.50	14	80	9.84E-01
.	21	34	4.12E-01
.	2	3	3.49E-01
1.45	17	60	9.99E-01
1.20	4	6	5.84E-01
0.78	4	23	9.61E-01
.	2	3	2.73E-01
0.62	21	72	5.52E-02
0.78	15	81	3.20E-01

2.25	1	5	1.05E-01
.	2	14	2.32E-01
1.11	7	27	6.56E-01
1.44	4	41	4.34E-01
2.16	10	36	3.79E-01
0.44	59	236	7.16E-01
0.76	4	28	5.40E-01
1.28	16	70	7.04E-01
.	3	15	6.29E-01
.	3	8	9.30E-01
2.03	2	6	5.84E-02
1.27	2	9	8.38E-01
.	34	107	1.67E-01
.	1	4	5.21E-02
1.62	44	195	8.65E-01
0.80	36	131	4.01E-02
.	5	12	5.13E-01
.	59	212	3.51E-01
0.63	2	25	6.95E-01
1.65	64	273	6.48E-01
0.97	105	568	3.75E-01
1.51	264	1178	1.00E+00
0.19	61	199	8.85E-01
1.53	18	93	7.43E-01
0.86	31	108	1.00E+00
.	0	6	7.73E-01
1.00	3	11	6.57E-01
1.49	5	21	4.85E-01
0.80	5	44	1.19E-01
13.23	3	6	3.55E-02
.	3	2	8.02E-01
0.68	1	9	6.03E-01
1.48	124	644	2.01E-01
0.86	1	12	9.20E-01
.	11	39	7.42E-02
0.73	99	463	3.23E-01
0.73	6	33	7.76E-01
0.60	1	14	8.77E-01
2.05	6	12	1.82E-01
0.52	7	43	6.74E-01
1.11	5	51	6.80E-01

1.75	62	229	6.63E-01
1.25	8	28	6.39E-01
1.49	2	13	6.69E-01
0.45	35	125	1.00E+00
0.47	50	236	3.31E-01
.	1	16	2.21E-01
.	9	33	3.36E-01
1.27	8	38	7.40E-01
2.56	12	42	9.23E-01
1.57	45	174	9.95E-01
1.25	19	70	6.01E-01
0.80	16	114	3.69E-01
0.88	19	76	8.48E-01
.	5	23	4.98E-01
1.27	3	10	7.71E-01
0.81	3	15	9.50E-01
1.15	6	31	5.81E-01
1.18	20	54	6.20E-02
1.38	17	60	4.10E-01
7.15	10	38	2.59E-01
2.62	9	35	7.43E-01
.	20	102	6.57E-01
.	1	5	2.17E-01
1.83	10	32	6.10E-01
0.54	1	15	8.39E-01
0.91	51	193	6.17E-01
1.36	137	557	9.86E-01
1.99	224	975	1.00E+00
.	6	28	5.79E-01
0.97	79	361	9.65E-01
0.39	19	108	9.32E-01
0.50	150	654	1.00E+00
2.83	3	11	6.06E-01
.	86	314	3.52E-01
.	5	9	1.61E-02
0.93	8	29	7.61E-01
1.41	27	138	6.91E-01
1.02	197	783	9.99E-01
.	0	7	5.94E-01
1.53	13	44	4.35E-01
.	6	14	4.69E-01

.	49	219	9.99E-01
.	1	7	6.60E-01
.	1	12	5.19E-01
2.02	6	21	3.45E-01
3.53	2	4	1.65E-01
.	1	5	7.69E-01
.	1	16	7.10E-01
.	2	5	1.15E-01
3.04	5	15	4.05E-01
.	1	9	4.40E-01
.	4	18	3.45E-01
2.69	1	6	3.88E-01
.	5	20	4.64E-01
.	48	226	6.65E-01
0.86	1	13	8.33E-01
0.75	3	9	2.81E-01
0.55	16	117	9.91E-01
0.64	183	780	1.00E+00
1.16	45	147	3.09E-01
2.09	79	355	6.87E-01
2.01	9	62	5.58E-02
1.58	17	65	2.53E-02
.	3	12	1.03E-01
0.78	51	244	9.80E-01
1.05	3	18	6.79E-02
1.61	41	241	7.13E-01
0.66	16	71	5.11E-01
0.28	2	22	9.03E-01
2.08	85	363	3.40E-01
0.95	63	333	1.00E+00
0.93	94	407	6.72E-01
2.56	74	305	8.08E-01
0.28	151	712	7.87E-01
1.81	9	31	3.09E-01
1.32	71	380	1.09E-01
0.84	60	252	1.00E+00
0.05	4	18	2.45E-01
4.07	3	7	2.98E-02
1.21	6	25	9.99E-01
1.71	17	60	7.29E-01
1.44	5	15	5.25E-01

.	9	67	1.37E-01
.	29	131	9.04E-01
1.05	7	20	2.13E-01
0.18	39	145	8.63E-01
2.14	5	22	6.33E-01
.	2	17	2.38E-01
0.21	94	353	7.38E-01
3.84	10	20	6.79E-02
2.57	5	14	1.72E-01
1.39	9	37	7.11E-01
1.99	25	92	8.93E-01
2.12	3	7	7.16E-01
0.32	50	287	9.33E-01
0.05	149	629	9.17E-01
0.34	41	215	9.23E-01
0.89	171	698	4.58E-01
3.42	13	36	2.18E-01
2.16	111	292	2.29E-01
0.24	64	376	3.77E-01
.	3	4	5.00E-01
0.98	23	101	7.94E-01
0.89	16	55	3.39E-01
0.41	0	26	9.42E-01
1.34	83	412	8.88E-01
.	3	19	9.70E-01
.	19	104	6.01E-01
0.80	10	47	4.89E-01
1.07	177	614	8.03E-01
0.18	68	264	3.13E-01
1.80	8	12	1.91E-01
1.34	47	273	9.16E-01
1.74	14	36	2.06E-01
1.16	7	73	2.79E-01
1.67	87	395	9.98E-01
1.36	9	25	9.89E-01
.	3	15	4.87E-01
.	3	6	1.76E-01
.	6	32	7.07E-01
0.82	5	23	4.50E-01
.	21	101	5.10E-01
.	1	10	5.71E-01

.	0	9	7.91E-01
.	4	31	5.27E-01
1.06	4	27	9.52E-01
.	5	19	9.02E-01
1.89	8	35	8.89E-02
1.59	59	201	2.52E-01
0.60	78	380	1.00E+00
.	12	84	6.68E-01
2.53	16	29	2.52E-01
0.66	12	45	6.67E-01
.	1	8	8.74E-01
2.18	4	21	8.37E-01
2.62	3	11	2.16E-01
.	13	68	6.85E-01
.	5	6	5.27E-03
0.46	28	128	3.58E-01
.	2	26	4.34E-01
.	1	15	9.55E-01
1.77	3	16	8.90E-01
0.56	102	418	9.81E-01
0.46	49	251	9.00E-01
0.43	22	89	4.80E-01
0.90	4	31	8.33E-02
0.55	15	67	6.60E-01
0.27	18	93	9.73E-01
2.80	3	6	4.25E-01
1.17	4	8	9.01E-01
1.24	15	51	2.88E-01
2.82	3	12	2.48E-01
1.37	1	9	2.48E-01
16.97	10	8	2.99E-01
.	1	5	6.00E-01
0.67	3	15	4.45E-01
3.37	1	4	2.37E-01
0.68	2	9	5.59E-01
0.47	1	6	8.14E-01
0.13	1	20	5.48E-01
0.77	4	22	9.03E-01
1.41	5	35	8.33E-01
0.21	70	294	9.37E-01
.	0	10	4.77E-01

1.07	193	703	6.07E-01
2.27	12	77	5.45E-01
0.88	2	14	8.06E-01
.	14	48	9.91E-01
1.11	31	123	9.25E-01
.	4	14	8.22E-01
2.24	3	10	4.12E-01
.	3	8	4.21E-01
0.20	0	6	5.55E-01
0.56	147	715	6.51E-01
.	81	315	1.00E+00
1.06	189	764	2.41E-01
.	7	11	1.27E-02
3.27	10	29	1.88E-01
.	12	44	5.30E-01
1.44	15	75	6.55E-01
.	8	21	9.96E-01
.	3	2	2.27E-01
.	10	28	5.42E-01
2.11	151	481	8.86E-01
1.45	50	180	9.80E-01
0.98	198	901	9.49E-01
.	50	233	3.02E-01
1.32	1	6	7.49E-01
.	5	23	6.38E-01
3.35	3	5	3.34E-02
.	67	303	9.68E-01
0.28	1	11	5.05E-01
3.88	28	113	9.69E-01
.	3	5	1.23E-01
2.73	11	52	7.67E-01
0.39	2	11	4.34E-01
1.19	6	30	4.58E-01
1.35	24	55	4.75E-02
0.06	70	332	9.00E-01
2.92	9	18	5.32E-01
.	2	9	8.17E-01
0.75	3	18	9.20E-01
.	3	9	2.40E-02
0.65	70	281	1.00E+00
.	54	316	4.95E-02

1.26	2	10	6.82E-01
1.65	43	189	2.34E-01
.	4	11	3.43E-01
2.18	11	35	5.11E-01
2.76	20	89	5.87E-01
0.65	9	61	9.37E-01
0.40	66	368	8.93E-01
0.44	4	13	4.91E-01
5.74	22	121	5.19E-01
0.36	22	90	3.73E-01
.	41	137	6.41E-01
.	9	25	4.05E-01
.	1	5	1.30E-01
1.25	2	6	7.64E-01
.	3	18	5.61E-01
.	3	8	5.45E-02
0.68	5	21	6.25E-01
3.95	21	87	6.68E-01
2.96	1	5	2.67E-01
1.19	24	163	1.13E-01
.	0	5	3.08E-01
1.28	4	23	6.39E-01
.	21	65	2.06E-01
1.56	49	204	8.57E-01
.	5	19	5.38E-01
.	26	122	3.12E-01
.	5	6	2.01E-01
4.80	2	5	3.10E-01
1.97	17	79	9.72E-01
3.27	47	217	9.69E-01
.	0	11	8.43E-01
.	9	54	5.91E-01
.	2	8	1.81E-01
6.96	115	519	7.95E-01
1.45	14	30	4.64E-01
.	6	23	7.88E-01
.	2	7	7.92E-01
.	48	166	3.69E-01
0.96	46	152	2.87E-01
1.76	3	17	5.85E-01
0.96	8	32	9.04E-01

5.19	7	12	2.70E-02
.	2	8	4.85E-01
0.69	50	233	7.89E-02
.	3	4	8.99E-01
.	23	70	5.64E-01
.	146	777	7.39E-01
.	6	22	8.62E-02
.	90	432	4.36E-01
.	113	474	7.33E-01
.	101	445	8.70E-01
.	46	152	3.03E-01
4.06	11	44	5.73E-01
.	2	16	7.55E-01
0.47	2	22	9.04E-01
.	2	3	4.89E-01
.	4	8	6.66E-02
.	6	14	4.73E-01
3.25	89	310	4.59E-01
.	22	136	6.18E-01
0.23	5	34	2.76E-01
.	0	6	3.48E-01
.	1	13	9.00E-01
0.48	1	9	9.11E-01
.	0	8	7.66E-01
.	4	4	4.00E-03
.	15	61	4.38E-01
.	23	79	4.29E-01
.	5	37	4.30E-01
0.57	4	26	2.78E-01
.	4	19	8.55E-01
0.82	2	15	5.17E-01
.	6	13	7.08E-02
.	1	19	7.22E-01
0.11	48	229	7.60E-01
0.34	2	17	7.95E-01
0.85	2	24	6.46E-01
1.66	4	13	5.60E-01
.	96	339	2.37E-01
1.56	5	13	5.43E-01
.	24	121	2.45E-01
.	8	39	2.66E-01

.	5	32	8.62E-01
.	0	13	7.91E-01
1.62	0	5	6.11E-01
.	18	82	9.76E-01
.	1	9	8.88E-01
1.36	23	63	1.96E-03
.	23	128	6.66E-01
0.36	3	23	3.50E-01
.	54	257	5.58E-01
0.19	47	176	3.45E-01
.	10	27	5.56E-02
.	1	18	5.65E-01
0.28	13	130	8.82E-01
2.52	98	432	7.98E-01
2.44	20	95	6.84E-01
.	44	144	3.19E-01
.	140	639	3.21E-01
.	1	25	2.43E-01
1.36	7	27	8.31E-01
.	8	63	9.12E-01
.	11	65	8.05E-01
2.03	20	72	9.84E-01
0.53	25	125	9.78E-01
.	4	5	1.41E-01
.	16	56	2.48E-01
.	2	4	2.26E-01
0.34	21	154	7.52E-01
0.71	25	113	1.00E+00
0.55	10	32	8.13E-01
0.61	12	62	6.81E-01
.	2	4	7.45E-01
1.30	71	337	1.00E+00
2.74	21	110	7.75E-01
0.60	68	348	9.99E-01
0.81	25	109	1.49E-01
.	58	271	8.49E-01
0.53	2	20	4.85E-01
.	45	173	9.99E-01
.	13	49	3.65E-01
.	3	4	6.84E-01
.	5	3	2.45E-02

1.53	3	8	7.63E-01
0.15	8	51	7.99E-01
1.51	5	25	6.12E-01
.	17	130	4.46E-01
.	2	18	8.53E-01
.	0	9	2.26E-01
1.39	1	5	5.52E-01
.	43	163	4.83E-01
0.78	19	46	1.07E-01
2.89	33	116	9.05E-01
3.82	16	57	4.13E-02
.	7	18	6.72E-02
0.55	2	18	8.24E-01
1.40	7	55	7.12E-01
0.82	6	26	1.23E-01
.	4	17	5.44E-01
0.35	0	8	8.12E-01
.	7	61	2.91E-01
.	42	156	1.71E-01
.	1	12	8.77E-01
1.11	22	118	9.49E-01
6.07	48	161	8.56E-01
2.14	84	341	1.00E+00
0.81	167	775	9.84E-01
1.44	209	862	8.74E-01
.	6	33	4.70E-01
1.75	5	8	1.08E-01
.	3	18	1.08E-01
.	5	27	9.68E-01
.	1	4	9.01E-01
.	10	36	5.55E-01
.	1	4	5.17E-01
.	0	5	6.63E-01
0.77	68	273	8.92E-01
2.26	12	43	1.56E-01
.	21	99	9.63E-01
0.60	5	22	4.54E-01
0.61	6	31	2.10E-01
1.99	9	44	5.48E-01
.	52	197	9.31E-01
.	22	130	9.11E-01

.	15	73	4.59E-01
.	7	50	5.99E-01
.	19	106	2.15E-01
.	10	93	3.76E-02
0.79	15	101	8.84E-01
.	3	7	2.83E-01
0.94	108	448	7.26E-01
12.12	30	138	5.32E-01
0.51	21	84	1.00E+00
1.25	29	133	9.14E-01
0.28	2	7	2.19E-01
1.81	119	510	9.64E-01
.	26	154	5.77E-01
0.73	11	65	7.98E-01
.	49	268	9.92E-01
.	21	129	4.62E-01
1.53	5	22	2.87E-01
1.54	3	17	7.31E-01
1.11	210	889	7.02E-01
2.30	19	62	5.39E-01
0.99	27	157	1.73E-01
.	8	40	8.34E-01
.	2	11	9.49E-01
0.43	17	79	3.82E-01
.	0	18	3.36E-01
.	1	12	8.65E-01
.	32	120	2.15E-01
.	29	102	4.51E-01
.	12	48	5.65E-01
.	29	107	6.72E-01
0.21	100	512	6.71E-01
.	3	12	8.42E-01
.	0	7	8.26E-01
.	3	6	7.30E-01
.	81	332	6.71E-01
.	1	5	8.40E-01
1.25	7	15	2.21E-01
5.66	18	62	7.21E-01
0.57	6	22	9.19E-02
.	4	22	6.43E-01
.	5	46	5.84E-01

.	36	171	9.27E-01
2.63	373	1204	1.91E-01
0.14	24	99	7.62E-01
.	9	16	5.22E-01
1.25	20	75	6.87E-01
1.20	42	177	1.00E+00
0.78	9	32	1.00E+00
.	6	21	7.42E-01
2.32	25	85	3.64E-02
.	47	189	5.89E-01
0.46	74	287	9.27E-01
.	113	414	8.50E-01
1.26	87	387	8.47E-01
.	60	247	4.95E-01
.	7	7	6.71E-01
.	19	103	7.35E-01
.	0	7	7.83E-01
.	77	384	6.97E-02
.	1	6	8.68E-01
2.10	6	27	3.12E-01
6.46	7	21	6.81E-01
.	7	15	2.03E-02
1.83	69	314	9.15E-01
.	164	740	9.88E-01
.	10	39	4.98E-01
.	2	10	8.83E-01
.	30	164	7.80E-01
.	7	14	3.63E-01
.	2	6	1.61E-01
.	5	33	4.57E-01
0.30	62	269	9.26E-01
1.33	11	31	5.67E-01
.	2	18	8.41E-01
.	18	108	6.35E-01
.	3	21	9.20E-01
.	12	87	7.57E-01
.	21	96	9.17E-01
.	21	95	4.22E-01
0.99	43	187	9.82E-01
.	10	32	2.32E-01
.	21	83	3.13E-01

.	4	56	6.87E-03
.	34	129	6.54E-01
1.86	31	178	5.57E-01
.	37	179	7.90E-01
.	24	86	7.22E-01
1.55	6	24	4.22E-02
.	2	11	9.60E-01
.	0	6	6.87E-01
0.73	5	19	2.68E-01
.	8	6	4.37E-01
.	5	17	6.67E-02
.	47	166	6.37E-01
.	6	44	8.40E-01
.	5	24	8.74E-01
.	55	245	9.60E-01
0.73	8	33	6.15E-01
1.49	45	196	5.89E-01
.	3	14	9.09E-01
2.04	16	66	8.09E-02
0.35	21	97	9.96E-01
1.06	39	158	9.82E-01
.	4	9	7.52E-02
.	1	4	3.06E-02
1.76	28	134	3.84E-01
.	6	28	3.23E-01
0.99	17	60	6.62E-01
.	6	16	5.82E-01
.	47	163	8.24E-01
1.82	27	93	9.26E-01
2.79	6	24	4.68E-02
0.60	67	277	9.39E-01
.	3	13	8.82E-01
.	16	38	2.37E-01
.	4	12	2.19E-01
1.22	5	24	3.99E-01
0.92	19	71	9.73E-01
.	25	105	5.12E-01
2.19	60	255	5.67E-01
.	4	24	6.17E-01
.	1	10	4.79E-01
.	4	15	8.67E-02

.	85	319	7.92E-01
.	2	8	4.61E-01
.	46	159	8.78E-01
.	1	14	9.62E-01
.	4	14	4.08E-01
.	3	30	7.32E-01
3.60	4	14	1.43E-01
.	6	14	3.08E-01
.	6	9	7.53E-01
.	13	45	9.97E-01
.	29	126	8.69E-01
1.06	28	101	7.61E-01
.	7	11	1.70E-02
2.27	18	55	7.83E-01
.	65	264	6.50E-01
0.90	11	28	5.04E-02
.	7	26	8.88E-01
.	17	111	8.83E-01
.	5	23	3.38E-01
1.36	11	29	1.00E+00
.	8	16	1.56E-01
.	13	72	1.65E-01
.	8	16	1.19E-01
.	5	16	6.37E-01
.	5	12	9.38E-01
.	54	157	7.33E-02
0.90	119	440	9.75E-01
.	7	17	3.44E-01
2.97	4	8	2.41E-01
.	71	296	9.99E-01
.	3	21	8.06E-01
.	4	27	8.69E-01
.	84	340	8.41E-01
.	14	48	1.00E+00
1.01	14	88	7.89E-01
1.27	1	4	7.06E-01
.	1	4	2.04E-01
.	3	6	1.31E-01
.	19	52	9.82E-01
.	12	87	7.97E-01
2.85	3	12	1.05E-01

.	3	13	7.21E-01
3.18	4	41	2.52E-01
.	50	239	9.07E-01
.	102	376	9.85E-01
.	37	151	5.79E-01
2.12	80	348	4.07E-01
1.51	43	225	7.23E-01
.	10	51	5.49E-01
.	13	54	3.06E-01
2.68	7	17	4.41E-01
1.56	6	20	5.75E-02
.	29	106	7.40E-01
.	12	44	6.47E-01
.	1	8	8.49E-01
.	6	33	2.69E-01
.	3	12	9.44E-01
.	7	47	8.80E-01
.	4	23	6.53E-02
.	6	39	3.63E-01
1.92	87	374	2.83E-01
.	1	6	7.52E-01
.	2	16	3.55E-01
.	11	23	3.08E-01
0.59	72	268	9.98E-01
.	8	26	8.72E-01
.	26	69	1.41E-01
.	5	12	9.63E-01
.	1	8	2.28E-01
.	16	52	4.03E-01
.	2	15	6.11E-01
.	3	15	7.51E-01
.	4	16	5.19E-01
.	4	9	1.98E-01
.	4	10	5.93E-01
.	1	5	9.32E-01
1.74	8	17	3.65E-03
.	19	40	1.03E-01
.	57	250	1.85E-01
1.53	80	458	8.43E-01
1.66	6	24	4.52E-01
.	4	6	4.63E-01

.	11	45	1.88E-01
1.07	20	46	9.76E-01
1.19	34	140	9.21E-01
.	19	131	1.70E-02
.	2	6	7.60E-01
0.48	44	200	6.96E-01
.	11	24	2.56E-01
.	0	11	7.33E-01
2.52	19	75	3.80E-01
.	41	184	7.88E-01
.	7	54	3.86E-01
.	2	3	7.02E-01
.	2	5	2.74E-01
.	19	72	2.73E-01
.	3	11	9.16E-01
.	3	4	6.57E-01
.	6	32	5.65E-01
.	30	124	9.95E-01
.	0	8	8.34E-01
.	10	60	6.11E-01
.	14	106	2.06E-01
.	13	45	6.55E-01
.	32	160	5.23E-01
1.14	37	175	6.38E-01
1.55	10	47	7.19E-01
0.47	17	62	9.92E-01
.	2	7	9.44E-01
.	3	12	9.64E-01
.	117	541	7.61E-01
5.10	7	45	6.39E-01
1.00	10	23	5.45E-01
.	1	5	1.35E-01
1.00	241	1068	9.03E-01
.	2	13	5.58E-01
1.54	5	39	9.71E-01
0.53	10	61	8.83E-01
1.03	102	435	1.00E+00
.	35	162	1.00E+00
.	1	11	4.92E-01
.	5	10	2.54E-01
.	28	129	9.91E-01

.	2	8	9.76E-02
1.02	14	73	8.80E-01
.	0	11	7.64E-01
.	26	96	7.55E-01
.	5	12	3.57E-01
.	4	19	5.77E-01
.	4	8	9.35E-01
.	33	123	9.18E-01
.	12	77	9.88E-01
.	33	92	6.50E-02
1.51	2	10	5.37E-01
1.34	10	62	5.15E-01
.	15	69	8.36E-01
.	16	37	1.75E-01
1.43	5	10	1.10E-01
.	1	11	4.92E-01
2.67	10	62	1.84E-01
.	6	29	9.81E-01
.	6	18	9.91E-01
.	35	143	9.87E-01
.	3	13	2.79E-01
.	54	233	9.86E-01
.	13	55	1.82E-01
0.13	10	41	1.91E-01
.	2	3	8.00E-01
.	19	69	1.61E-01
.	0	6	8.50E-01
0.77	23	88	3.47E-01
0.78	4	17	8.23E-01
17.86	68	286	7.55E-01
.	7	31	7.21E-01
0.69	2	24	8.28E-01
.	84	379	1.00E+00
.	2	12	5.17E-01
1.30	34	113	3.27E-01
1.33	29	122	8.94E-01
0.99	54	263	9.31E-01
.	42	185	9.29E-01
.	19	53	5.89E-02
.	3	11	1.55E-01
.	8	47	9.21E-01

.	21	85	9.96E-01
.	3	14	1.83E-01
.	1	13	1.31E-01
.	18	90	7.35E-01
0.22	3	24	8.68E-01
.	66	336	6.31E-01
.	6	20	4.94E-01
.	5	10	1.99E-01
0.66	34	213	9.46E-01
.	5	49	1.80E-01
.	5	14	6.90E-01
.	3	16	2.30E-01
.	0	6	3.04E-01
.	5	15	5.67E-01
.	7	43	4.24E-01
.	4	16	6.65E-01
.	16	49	6.13E-02
.	0	13	9.09E-01
.	68	223	6.13E-01
.	18	89	1.00E+00
.	76	336	3.97E-01
.	2	20	8.41E-01
1.97	1	23	6.67E-01
.	1	6	2.66E-02
1.15	81	551	4.24E-01
.	2	3	1.48E-01
.	3	8	1.06E-01
.	0	6	7.08E-01
0.17	3	38	1.82E-01
.	74	342	1.00E+00
.	2	8	1.20E-01
.	3	12	3.55E-01
0.37	4	12	3.56E-01
1.19	18	57	9.99E-01
.	14	51	5.19E-01
.	7	44	9.12E-01
1.29	74	290	7.47E-01
.	10	53	4.07E-01
0.31	47	148	5.91E-01
.	12	58	6.76E-01
.	7	23	4.91E-01

.	29	128	8.90E-01
1.93	19	90	9.74E-01
.	10	48	1.92E-01
.	11	41	7.66E-01
.	2	3	2.02E-01
.	23	123	6.11E-01
.	56	213	6.57E-01
.	14	41	4.01E-01
.	4	13	6.00E-01
0.24	5	21	9.30E-01
.	19	77	1.85E-01
.	16	49	9.83E-01
.	0	6	7.92E-01
.	3	9	7.78E-03
0.96	10	53	4.86E-01
0.51	13	47	2.84E-01
.	0	7	8.02E-01
.	81	386	2.42E-01
.	2	7	8.47E-01
0.99	12	22	1.41E-01
.	5	28	3.45E-02
0.43	188	750	2.59E-01
.	4	44	2.10E-01
1.69	39	172	5.62E-01
0.43	98	516	9.70E-01
1.35	14	91	6.97E-01
.	13	82	2.32E-01
0.08	1	14	1.36E-01
.	14	40	3.58E-01
.	3	7	6.90E-01
.	17	80	8.25E-01
1.44	9	28	7.16E-01
1.74	24	94	8.02E-01
.	11	42	9.29E-01
.	5	41	8.85E-01
2.11	9	37	5.33E-01
.	3	8	6.63E-02
.	6	13	6.45E-01
.	4	21	1.29E-01
.	3	11	5.43E-01
.	1	7	4.43E-01

.	3	6	6.93E-01
.	26	120	4.93E-01
.	5	18	3.54E-01
.	1	5	7.66E-01
1.02	3	12	9.39E-01
.	24	112	9.41E-01
.	67	289	4.28E-01
.	8	31	9.91E-01
.	1	11	8.63E-01
1.67	1	9	7.28E-01
.	1	10	7.78E-01
.	39	158	9.21E-01
.	1	6	9.19E-01
0.97	4	15	9.78E-01
.	6	9	5.82E-01
.	15	27	8.28E-02
.	4	13	3.34E-01
.	2	5	2.88E-01
0.50	1	6	8.86E-01
.	0	10	9.03E-01
.	3	23	4.29E-01
.	2	6	9.00E-01
1.08	7	28	9.25E-01
.	29	126	5.35E-01
1.03	4	17	9.27E-01
1.56	8	21	6.36E-01
.	2	4	3.78E-01
1.39	25	90	3.70E-02
.	0	7	1.36E-01
.	82	335	2.38E-01
.	23	98	3.36E-01
.	19	63	8.37E-01
5.79	12	57	7.15E-01
.	4	26	1.20E-01
.	1	8	7.97E-01
.	5	9	6.52E-02
1.67	27	117	9.69E-01
.	91	408	5.10E-01
.	3	4	1.05E-01
2.79	56	239	6.97E-01
.	2	8	1.15E-01

.	23	143	9.77E-02
.	8	27	8.47E-01
.	20	117	7.19E-01
.	1	13	3.56E-01
0.17	46	235	7.18E-01
0.74	13	79	6.32E-01
.	11	26	4.95E-01
1.77	10	35	1.57E-01
.	2	15	1.07E-01
.	151	675	8.01E-01
.	6	24	5.20E-01
.	11	44	9.42E-01
.	144	537	5.79E-01
.	27	92	8.56E-01
.	12	70	8.99E-02
2.14	31	131	7.85E-01
.	8	48	6.31E-01
.	17	72	1.88E-01
.	7	34	8.75E-02
.	44	207	1.18E-01
.	96	483	8.89E-01
.	12	55	9.94E-01
.	3	26	5.26E-01
.	15	41	1.48E-01
.	3	11	6.93E-01
1.07	289	1246	8.27E-01
.	207	874	6.86E-01
.	9	38	2.07E-01
.	2	7	3.64E-01
.	6	22	4.39E-02
.	22	67	3.18E-01
2.89	5	11	4.16E-01
.	0	8	6.99E-01
.	4	29	9.73E-01
.	2	4	6.06E-02
.	18	60	7.26E-01
.	107	384	4.47E-01
.	22	81	5.83E-01
.	5	16	2.71E-01
.	47	182	8.08E-01
.	61	237	4.59E-01

.	4	25	9.30E-01
.	6	11	4.66E-01
0.89	169	694	8.69E-01
.	3	13	3.83E-01
.	10	33	8.43E-01
.	3	15	6.01E-01
.	86	400	1.00E+00
.	33	189	9.79E-01
.	69	286	5.90E-01
.	15	65	3.19E-01
.	3	7	5.32E-01
0.34	42	208	1.72E-01
.	1	9	3.81E-01
.	2	9	5.54E-01
.	66	350	2.37E-01
1.83	21	99	6.53E-01
.	1	5	2.15E-01
.	1	8	7.66E-01
.	3	4	2.22E-02
1.18	6	22	4.51E-01
.	1	16	3.35E-01
0.69	10	55	9.28E-01
.	81	373	1.00E+00
3.19	25	125	6.05E-01
0.15	0	18	7.97E-01
.	19	71	9.48E-01
0.75	7	25	2.69E-01
.	5	8	1.22E-02
1.05	8	69	3.40E-01
1.49	6	16	6.49E-01
0.66	25	131	6.73E-01
.	7	19	5.62E-01
1.83	3	7	3.32E-01
0.83	96	324	9.42E-01
.	12	33	9.99E-01
.	6	37	9.86E-01
.	128	607	8.62E-01
.	5	5	1.44E-01
.	2	28	9.54E-01
0.85	7	53	1.56E-01
.	73	283	1.00E+00

1.16	4	19	4.88E-01
.	16	54	6.67E-01
.	2	10	3.96E-01
.	6	22	5.38E-01
.	5	10	3.98E-01
5.43	11	55	7.71E-01
.	43	187	9.79E-01
0.58	11	64	8.60E-01
.	10	45	8.42E-01
.	29	135	6.04E-01
.	11	50	6.79E-01
.	51	170	3.14E-02
.	3	10	6.07E-01
.	34	169	1.27E-01
3.35	28	121	4.95E-01
.	5	11	1.82E-02
0.97	136	515	1.56E-01
0.79	25	87	8.03E-02
1.68	20	69	1.54E-02
2.88	13	42	5.81E-02
0.96	7	30	6.04E-01
1.57	10	29	4.90E-01
.	87	360	9.20E-01
.	10	51	9.82E-01
0.48	34	161	3.68E-01
1.56	23	102	6.60E-01
1.15	44	185	9.91E-01
1.64	35	120	7.19E-01
.	42	197	8.89E-03

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Supplementary Table 3: Genes included in the gene-set analysis.

Gene	Cancer_Syndrome	DNA_Repair	Somatic_Pancreas
<i>ABCA13</i>			Yes
<i>ABCB11</i>	Yes		
<i>ABCE1</i>			Yes
<i>ACAP3</i>			Yes
<i>ACR</i>			Yes
<i>ACVR1B</i>			Yes
<i>ACVR2A</i>			Yes
<i>ADAM3A</i>			Yes
<i>ADAM5P</i>			Yes
<i>ADAMTS18</i>			Yes
<i>ADCK5</i>			Yes
<i>ADM2</i>			Yes
<i>AGBL1</i>			Yes
<i>AIRE</i>			Yes
<i>ALK</i>	Yes		
<i>ALKBH2</i>		Yes	
<i>ALKBH3</i>		Yes	
<i>ANKRD30B</i>			Yes
<i>ANO1</i>			Yes
<i>APC</i>			
<i>APEX1</i>		Yes	
<i>APEX2</i>		Yes	
<i>APLF</i>		Yes	
<i>APLP2</i>			Yes
<i>APOBEC3A</i>			Yes
<i>APOBEC3B</i>			Yes
<i>APTX</i>		Yes	
<i>ARHGAP28</i>			Yes
<i>ARHGAP39</i>			Yes
<i>ARID1A</i>			Yes
<i>ARSA</i>			Yes
<i>AS1</i>			Yes
<i>ATM</i>		Yes	
<i>ATR</i>		Yes	
<i>ATRIP</i>		Yes	
<i>AURKB</i>		Yes	
<i>AXIN2</i>	Yes		
<i>BAP1</i>	Yes	Yes	
<i>BARD1</i>		Yes	
<i>BBS5</i>			Yes
<i>BLM</i>	Yes	Yes	
<i>BMPR1A</i>	Yes		
<i>BRCA1</i>		Yes	

<i>BRCA2</i>		Yes	
<i>BRIP1</i>	Yes	Yes	
<i>BUB1</i>		Yes	
<i>BUB1B</i>	Yes		
<i>C10orf91</i>			Yes
<i>C11orf36</i>			Yes
<i>C19orf6</i>			Yes
<i>C5orf38</i>			Yes
<i>C8orf82</i>			Yes
<i>C9orf53</i>			Yes
<i>CADM2</i>			Yes
<i>CARS2</i>			Yes
<i>CASP2</i>			Yes
<i>CAT</i>			Yes
<i>CBL</i>	Yes		
<i>CCDC50</i>			Yes
<i>CCNH</i>		Yes	
<i>CDC73</i>	Yes		
<i>CDH1</i>	Yes		
<i>CDH26</i>			Yes
<i>CDK12</i>		Yes	
<i>CDK4</i>	Yes		
<i>CDK7</i>		Yes	
<i>CDKAL1</i>			Yes
<i>CDKN1B</i>	Yes		
<i>CDKN2A</i>			Yes
<i>CEBPA</i>	Yes		
<i>CEBPB</i>			Yes
<i>CENPE</i>		Yes	
<i>CEP112</i>			Yes
<i>CERS3</i>			Yes
<i>CETN2</i>		Yes	
<i>CHAF1A</i>		Yes	
<i>CHEK1</i>		Yes	
<i>CHEK2</i>	Yes	Yes	
<i>CHKB</i>			Yes
<i>CLK2</i>		Yes	
<i>COL7A1</i>	Yes		
<i>COL9A3</i>			Yes
<i>CPSF1</i>			Yes
<i>CPSF3L</i>			Yes
<i>CPT1B</i>			Yes
<i>CPT1B</i>			Yes
<i>CRHR1</i>			Yes
<i>CRIP1</i>		Yes	
<i>CSRNP3</i>			Yes

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CTSS			Yes
CYHR1			Yes
CYLD	Yes		
DCLRE1A		Yes	
DCLRE1B		Yes	
DCLRE1C		Yes	
DDB1		Yes	
DDB2	Yes	Yes	
DDX43			Yes
DICER1	Yes		
DIS3L2	Yes		
DKC1	Yes		
DMC1		Yes	
DOCK8	Yes		Yes
DOK7			Yes
DSG2			Yes
DUT		Yes	
EEFSEC			Yes
EGFR	Yes		
EHF			Yes
ELANE	Yes		
ELP4			Yes
EME1		Yes	
EN2			Yes
ENDOV		Yes	
ERCC1		Yes	
ERCC2	Yes	Yes	
ERCC3	Yes	Yes	
ERCC4	Yes	Yes	
ERCC5	Yes	Yes	
ERCC6		Yes	
ERCC8		Yes	
ETNK1			Yes
EXO1		Yes	
EXT1	Yes		Yes
EXT2	Yes		
EZR			Yes
FAAP20		Yes	
FAAP24		Yes	
FAH	Yes		
FAM116B			Yes
FAM190A			Yes
FAM86DP			Yes
FAN1		Yes	
FANCA	Yes	Yes	
FANCB		Yes	

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FANCC	Yes	Yes	
FANCD2		Yes	
FANCE		Yes	
FANCF		Yes	
FANCG	Yes	Yes	
FANCI		Yes	
FANCL		Yes	
FANCM		Yes	
FBXL21			Yes
FCGBP			Yes
FEN1		Yes	
FGF16			Yes
FH	Yes		
FLCN	Yes		
FLJ20518			Yes
FLJ37505			Yes
FLT4			Yes
FOXC1			Yes
FOXC1			Yes
FOXD1			Yes
FOXF2			Yes
FOXH1			Yes
FOXQ1			Yes
FRG2C			Yes
FYB			Yes
GATA2	Yes		
GBA	Yes		
GEN1		Yes	
GJB2	Yes		
GLTPD1			Yes
GMDS			Yes
GOLGA8A			Yes
GOLGA8B			Yes
GPC3	Yes		
GPR180			Yes
GPT			Yes
GTF2H1		Yes	
GTF2H2		Yes	
GTF2H3		Yes	
GTF2H4		Yes	
GTF2H5		Yes	
H2AFX		Yes	
HCG23			Yes
HCG4B			Yes
HDAC10			Yes
HELQ		Yes	

HFE	Yes		
HLA-H			Yes
HLTF		Yes	
HMBS	Yes		
HOOK1			Yes
HOXA10			Yes
HOXA11			Yes
HOXA13			Yes
HOXA3			Yes
HOXA4			Yes
HOXA5			Yes
HOXA6			Yes
HOXA7			Yes
HOXA9			Yes
HOXA9			Yes
HOXD8			Yes
HRAS	Yes		
HUS1		Yes	
IDI1			Yes
IRX2			Yes
IRX4			Yes
ITGA1			Yes
ITK	Yes		
KIAA0391			Yes
KIAA1958			Yes
KIF20B			Yes
KIF26A			Yes
KIFC2			Yes
KIT	Yes		
KLHDC7B			Yes
KLHL24			Yes
KLK15			Yes
KNTC1		Yes	
KRAS			Yes
LIG1		Yes	
LIG3		Yes	
Lig4		Yes	
LINC00261			Yes
LINC00474			Yes
LMF2			Yes
LMTK2			Yes
LOC100128531			Yes
LOC100128554			Yes
LOC100133311			Yes
LOC100144603			Yes
LOC100507206			Yes

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LOC100508120			Yes
LOC155060			Yes
LOC387895			Yes
LOC400084			Yes
LOC440117			Yes
LOC642426			Yes
LRRC14			Yes
LRRC24			Yes
MACROD2			Yes
MAD2L2		Yes	
MAFK			Yes
MAP2K4			Yes
MAP2K4			Yes
MAPK11			Yes
MAPK12			Yes
MAPK8IP2			Yes
MAX	Yes		
MBD4		Yes	
MDC1		Yes	
MDGA2			Yes
MEN1	Yes		
MET	Yes		
MFSD3			Yes
MGAM			Yes
MGMT		Yes	
MIB1			Yes
MIOX			Yes
MIPOL1			Yes
MLH1		Yes	
MLH3		Yes	
MLL3		Yes	Yes
MMS19		Yes	
MNAT1		Yes	
MOB3A			Yes
MORF4L1			Yes
MOV10L1			Yes
MPG		Yes	
MPHOSPH6			Yes
MPLKIP		Yes	
MPZL2			Yes
MRE11A		Yes	
MRGPRG			Yes
MRPL23			Yes
MSH2		Yes	
MSH3		Yes	
MSH4		Yes	

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MSH5		Yes	
MSH6		Yes	
MTAP	Yes		
MTIF3			Yes
MTSS1L			Yes
MUC22			Yes
MUS81		Yes	
MUTYH	Yes	Yes	
NAALADL2			Yes
NABP2		Yes	
NBN	Yes	Yes	
NCAPH2			Yes
NEIL1		Yes	
NEIL2		Yes	
NEIL3		Yes	
NF1	Yes		
NF2	Yes		
NHEJ1		Yes	
NOTCH1			Yes
NSF			Yes
NTHL1		Yes	
NTN1			Yes
NUCB2			Yes
NUDT1		Yes	
ODF3B			Yes
OGG1		Yes	
OR11H12			Yes
OR11H2			Yes
OR2T10			Yes
OR2T11			Yes
OR2T29			Yes
OR2T34			Yes
OR2T35			Yes
OR4C11			Yes
OR4K1			Yes
OR4K15			Yes
OR4K2			Yes
OR4K5			Yes
OR4K5			Yes
OR4M1			Yes
OR4N2			Yes
OR4P4			Yes
OR4Q3			Yes
OR4S2			Yes
PADI3			Yes
PALB2		Yes	

<i>PANX2</i>			Yes
<i>PAPD5</i>			Yes
<i>PARK2</i>			Yes
<i>PARP1</i>		Yes	
<i>PARP2</i>		Yes	
<i>PARP3</i>		Yes	
<i>PAXIP1</i>		Yes	
<i>PCDHA7</i>			Yes
<i>PCDHA8</i>			Yes
<i>PCNA</i>		Yes	
<i>PDGFRA</i>	Yes		
<i>PER1</i>		Yes	
<i>PFKP</i>			Yes
<i>PGAP3</i>			Yes
<i>PGM2L1</i>			Yes
<i>PHOX2B</i>	Yes		
<i>PITX3</i>			Yes
<i>PLA2G4F</i>			Yes
<i>PLEKHG4B</i>			Yes
<i>PLXNB2</i>			Yes
<i>PMS1</i>		Yes	
<i>PMS2</i>		Yes	
<i>PMS2P3</i>		Yes	
<i>PNKP</i>		Yes	
<i>PNMT</i>			Yes
<i>PODN</i>			Yes
<i>POLB</i>		Yes	
<i>POLD1</i>	Yes	Yes	
<i>POLE</i>	Yes	Yes	
<i>POLG</i>		Yes	
<i>POLH</i>	Yes	Yes	
<i>POLI</i>		Yes	
<i>POLK</i>		Yes	
<i>POLL</i>		Yes	
<i>POLM</i>		Yes	
<i>POLN</i>		Yes	
<i>POLQ</i>		Yes	
<i>POTEG</i>			Yes
<i>POTEKP</i>			Yes
<i>POTEM</i>			Yes
<i>PPP1R16A</i>			Yes
<i>PPP6R2</i>			Yes
<i>PPY</i>			Yes
<i>PRKAR1A</i>	Yes		
<i>PRKDC</i>		Yes	
<i>PROKR2</i>			Yes

<i>PRPF19</i>		Yes	
<i>PRSS1</i>			
<i>PTCH1</i>	Yes		
<i>PTEN</i>	Yes		
<i>PTPN11</i>	Yes		
<i>PTPN7</i>			Yes
<i>PTPRVP</i>			Yes
<i>PUSL1</i>			Yes
<i>RABL2B</i>			Yes
<i>RAD1</i>		Yes	
<i>RAD17</i>		Yes	
<i>RAD18</i>		Yes	
<i>RAD23A</i>		Yes	
<i>RAD23B</i>		Yes	
<i>RAD50</i>		Yes	
<i>RAD51</i>		Yes	
<i>RAD51B</i>		Yes	
<i>RAD51C</i>	Yes	Yes	
<i>RAD51D</i>	Yes	Yes	
<i>RAD52</i>		Yes	
<i>RAD54B</i>		Yes	
<i>RAD54L</i>		Yes	
<i>RAD9A</i>		Yes	
<i>RB1</i>	Yes		
<i>RBBP8</i>		Yes	
<i>RBM38</i>			Yes
<i>RDM1</i>		Yes	
<i>RECQL</i>		Yes	
<i>RECQL4</i>	Yes	Yes	Yes
<i>RECQL5</i>		Yes	
<i>RET</i>	Yes		
<i>REV1</i>		Yes	
<i>REV3L</i>		Yes	
<i>RFC1</i>		Yes	
<i>RFC2</i>		Yes	
<i>RFC3</i>		Yes	
<i>RFC4</i>		Yes	
<i>RFC5</i>		Yes	
<i>RHBDF2</i>	Yes		
<i>RHBDL1</i>			Yes
<i>RIPK4</i>			Yes
<i>RMRP</i>	Yes		
<i>RNF168</i>		Yes	
<i>RNF4</i>		Yes	
<i>RNF43</i>			Yes
<i>RNF8</i>		Yes	

RPA1		Yes	
RPA2		Yes	
RPA3		Yes	
RPA4		Yes	
RPL23AP82			Yes
RRBP1			Yes
RRM2B		Yes	
RRP15			Yes
RTN4R			Yes
RUNX1	Yes		Yes
SBDS	Yes		
SBF1			Yes
SCNN1D			Yes
SCO2			Yes
SDHA	Yes		
SDHAF2	Yes		
SDHB	Yes		
SDHC	Yes		
SDHD	Yes		
SELO			Yes
SERPINA1	Yes		
SETMAR		Yes	
SFMBT1			Yes
SH2D1A	Yes		
SHANK3			Yes
SHFM1		Yes	
SHPRH		Yes	
SLC1A7			Yes
SLC25A13	Yes		
SLC2A9			Yes
SLC39A4			Yes
SLX1A		Yes	
SLX1B		Yes	
SLX4		Yes	
SMAD4	Yes		Yes
SMARCA4	Yes		Yes
SMARCB1	Yes		
SMARCE1	Yes		
SMUG1		Yes	
SOS1	Yes		
SOX1			Yes
SOX11			Yes
SPO11		Yes	
SPRTN		Yes	
SPRY1			Yes
SRY	Yes		

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SSPO			Yes
STAT3	Yes		
STEAP2			Yes
STK11			
SUFU	Yes		
SULT1A1			Yes
SYCE3			Yes
SYNE1			Yes
TAF1C			Yes
TBC1D5			Yes
TBCC			Yes
TCAP			Yes
TCF4			Yes
TDG		Yes	
TDP1		Yes	
TDP2		Yes	
TERT	Yes		
TGFBR1	Yes		
TGFBR2			Yes
THBS2			Yes
TMEM127	Yes		
TNFRSF6	Yes		
TONSL			Yes
TOPBP1		Yes	
TP53		Yes	Yes
TP53BP1		Yes	
TRABD			Yes
TREX1		Yes	
TREX2		Yes	
TRIM37	Yes		
TSC1	Yes		
TSC2	Yes		
TSPAN11			Yes
TTK		Yes	
TUBGCP6			Yes
TUSC3			Yes
TWF1			Yes
TYMP			Yes
TYMS			Yes
UBE2A		Yes	
UBE2B		Yes	
UBE2N		Yes	
UBE2V2		Yes	
UNG		Yes	
URI1			Yes
UROC1			Yes

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<i>UROD</i>	Yes		
<i>UVSSA</i>		Yes	
<i>VAC14</i>			Yes
<i>VHL</i>	Yes		
<i>VPS28</i>			Yes
<i>VWF</i>			Yes
<i>WAS</i>	Yes		
<i>WHSC1L1</i>			Yes
<i>WRN</i>	Yes	Yes	
<i>WT1</i>	Yes		
<i>XAB2</i>		Yes	
<i>XPA</i>	Yes	Yes	
<i>XPC</i>	Yes	Yes	
<i>XRCC1</i>		Yes	
<i>XRCC2</i>		Yes	
<i>XRCC3</i>		Yes	
<i>XRCC4</i>		Yes	
<i>XRCC5</i>		Yes	
<i>XRCC6</i>		Yes	
<i>ZCCHC24</i>			Yes
<i>ZIC2</i>			Yes
<i>ZMAT5</i>			Yes
<i>ZNF438</i>			Yes
<i>ZNF737</i>			Yes
<i>ZNF865</i>			Yes
<i>ZW10</i>		Yes	

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Familial_Pancreatic_Cancer

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Supplementary Table 4: Results of the nonsynonymous single-variant asso

Chromosome	Start_Position	Reference	Alternate	Gene
1	865628	G	A	<i>SAMD11</i>
1	865694	C	T	<i>SAMD11</i>
1	880502	C	T	<i>NOC2L</i>
1	881918	G	A	<i>NOC2L</i>
1	888659	T	C	<i>NOC2L</i>
1	894330	G	A	<i>NOC2L</i>
1	897009	A	G	<i>KLHL17</i>
1	898153	C	A	<i>KLHL17</i>
1	901922	G	C	<i>PLEKHN1</i>
1	902128	C	T	<i>PLEKHN1</i>
1	908293	A	T	<i>PLEKHN1</i>
1	908929	C	T	<i>PLEKHN1</i>
1	909309	T	C	<i>PLEKHN1</i>
1	914521	C	T	<i>PERM1</i>
1	914582	C	T	<i>PERM1</i>
1	914839	C	T	<i>PERM1</i>
1	914852	G	C	<i>PERM1</i>
1	916549	A	G	<i>PERM1</i>
1	949608	G	A	<i>ISG15</i>
1	978762	G	A	<i>AGRN</i>
1	978974	G	A	<i>AGRN</i>
1	979397	G	A	<i>AGRN</i>
1	979594	C	T	<i>AGRN</i>
1	979748	A	T	<i>AGRN</i>
1	980868	G	A	<i>AGRN</i>
1	980903	C	T	<i>AGRN</i>
1	981131	A	G	<i>AGRN</i>
1	981353	C	T	<i>AGRN</i>
1	981942	C	A	<i>AGRN</i>
1	982213	G	C	<i>AGRN</i>
1	982302	C	A	<i>AGRN</i>
1	982722	A	G	<i>AGRN</i>
1	983243	C	T	<i>AGRN</i>
1	984971	G	A	<i>AGRN</i>
1	986732	G	A	<i>AGRN</i>
1	1026913	C	T	<i>C1orf159</i>
1	1114668	G	A	<i>TLL10</i>
1	1115503	T	C	<i>TLL10</i>
1	1115548	G	A	<i>TLL10</i>
1	1115602	G	A	<i>TLL10</i>

1	1117159	T	G	<i>TTLL10</i>
1	1120431	G	A	<i>TTLL10</i>
1	1120488	A	C	<i>TTLL10</i>
1	1139216	G	A	<i>TNFRSF18</i>
1	1139498	C	T	<i>TNFRSF18</i>
1	1140855	C	T	<i>TNFRSF18</i>
1	1141776	C	T	<i>TNFRSF18</i>
1	1147462	A	G	<i>TNFRSF4</i>
1	1178482	A	G	<i>FAM132A</i>
1	1178925	G	A	<i>FAM132A</i>
1	1221001	A	G	<i>SCNN1D</i>
1	1221409	G	A	<i>SCNN1D</i>
1	1222267	G	A	<i>SCNN1D</i>
1	1222267	G	C	<i>SCNN1D</i>
1	1222332	C	T	<i>SCNN1D</i>
1	1222333	G	A	<i>SCNN1D</i>
1	1222958	C	T	<i>SCNN1D</i>
1	1223376	G	C	<i>SCNN1D</i>
1	1223385	G	C	<i>SCNN1D</i>
1	1225899	G	A	<i>SCNN1D</i>
1	1226063	G	A	<i>SCNN1D</i>
1	1226512	G	A	<i>SCNN1D</i>
1	1226797	C	G	<i>SCNN1D</i>
1	1226889	G	A	<i>SCNN1D</i>
1	1238583	G	A	<i>ACAP3</i>
1	1246319	G	A	<i>PUSL1</i>
1	1246390	C	G	<i>PUSL1</i>
1	1262886	G	A	<i>CPTP</i>
1	1263085	G	A	<i>CPTP</i>
1	1266738	G	A	<i>TAS1R3</i>
1	1266858	G	A	<i>TAS1R3</i>
1	1269554	T	C	<i>TAS1R3</i>
1	1269613	CTC	-	<i>TAS1R3</i>
1	1273790	T	C	<i>DVL1</i>
1	1289446	C	T	<i>MXRA8</i>
1	1309405	T	C	<i>AURKAIP1</i>
1	1334053	TAGAG	-	<i>CCNL2</i>
1	1334475	G	C	<i>CCNL2</i>
1	1334519	G	C	<i>CCNL2</i>
1	1354515	C	G	<i>ANKRD65</i>
1	1354538	G	A	<i>ANKRD65</i>
1	1354756	G	A	<i>ANKRD65</i>
1	1356342	TCC	-	<i>ANKRD65</i>

1	1387499	T	A	ATAD3C
1	1391192	C	T	ATAD3C
1	1398008	G	A	ATAD3C
1	1398032	C	G	ATAD3C
1	1403788	G	A	ATAD3C
1	1423256	A	G	ATAD3B
1	1425753	T	C	ATAD3B
1	1430985	C	T	ATAD3B
1	1431048	A	G	ATAD3B
1	1431066	T	C	ATAD3B
1	1452551	G	A	ATAD3A
1	1452566	G	A	ATAD3A
1	1469394	A	T	ATAD3A
1	1469399	T	C	ATAD3A
1	1470807	C	T	TMEM240
1	1471017	C	T	TMEM240
1	1550992	C	A	MIB2
1	1551927	T	C	MIB2
1	1560966	G	A	MIB2
1	1571791	G	A	CDK11B
1	1571841	A	C	CDK11B
1	1597403	C	T	SLC35E2B
1	1635515	T	A	CDK11A
1	1635536	-	A	CDK11A
1	1685804	T	A	NADK
1	1686040	G	T	NADK
1	1686081	G	A	NADK
1	1686087	C	G	NADK
1	1847952	G	A	CALML6
1	1847979	T	C	CALML6
1	1849529	A	G	TMEM52
1	1849530	T	C	TMEM52
1	1854455	C	T	CFAP74
1	1854546	C	T	CFAP74
1	1854855	G	-	CFAP74
1	1854855	G	-	CFAP74
1	1855221	-	AG	CFAP74
1	1859131	C	T	CFAP74
1	1859176	T	C	CFAP74
1	1900106	-	CTC	CFAP74
1	1900186	T	C	CFAP74
1	1900211	C	T	CFAP74
1	1904413	T	C	CFAP74

1	1905526	C	A	CFAP74
1	1959698	C	T	GABRD
1	1959699	G	A	GABRD
1	1961512	C	T	GABRD
1	2075672	C	G	PRKCZ
1	2125172	G	A	FAAP20
1	2125543	A	G	FAAP20
1	2234791	C	T	SKI
1	2305918	T	C	MORN1
1	2338015	T	C	PEX10
1	2338223	C	G	PEX10
1	2411245	G	A	PLCH2
1	2411376	G	A	PLCH2
1	2426313	G	A	PLCH2
1	2433894	G	A	PLCH2
1	2435451	C	T	PLCH2
1	2436303	A	C	PLCH2
1	2441358	T	C	PANK4
1	2444414	G	A	PANK4
1	2458010	G	C	PANK4
1	2488153	A	G	TNFRSF14
1	2491306	G	A	TNFRSF14
1	2494330	G	A	TNFRSF14
1	2523412	C	T	MMEL1
1	2524128	A	G	MMEL1
1	2526746	A	G	MMEL1
1	2535397	C	G	MMEL1
1	2938408	AGA	-	ACTRT2
1	2938416	T	C	ACTRT2
1	2938924	T	G	ACTRT2
1	3102751	G	A	PRDM16
1	3328358	T	C	PRDM16
1	3329051	G	A	PRDM16
1	3348629	A	T	PRDM16
1	3379830	G	A	ARHGEF16
1	3389727	C	T	ARHGEF16
1	3389757	A	G	ARHGEF16
1	3409272	C	T	MEGF6
1	3410410	C	T	MEGF6
1	3410581	G	A	MEGF6
1	3413612	G	C	MEGF6
1	3415357	C	T	MEGF6
1	3416227	C	T	MEGF6

1	3416449	C	A	MEGF6
1	3417211	G	A	MEGF6
1	3417218	C	T	MEGF6
1	3417622	G	A	MEGF6
1	3418428	G	A	MEGF6
1	3421897	A	G	MEGF6
1	3428608	G	A	MEGF6
1	3431168	G	A	MEGF6
1	3431191	C	T	MEGF6
1	3432077	C	T	MEGF6
1	3440753	G	A	MEGF6
1	3496479	T	C	MEGF6
1	3511934	A	G	MEGF6
1	3544083	C	T	TPRG1L
1	3548050	G	A	WRAP73
1	3548122	G	A	WRAP73
1	3548832	G	C	WRAP73
1	3553560	C	T	WRAP73
1	3669172	C	T	CCDC27
1	3669205	C	G	CCDC27
1	3670691	A	G	CCDC27
1	3670712	G	A	CCDC27
1	3677933	T	C	CCDC27
1	3679886	C	T	CCDC27
1	3680333	C	T	CCDC27
1	3680345	C	T	CCDC27
1	3683159	A	C	CCDC27
1	3688032	T	-	CCDC27
1	3688032	T	-	CCDC27
1	3691998	GTCAGCCTAGC	-	SMIM1
1	3703589	C	T	LRRC47
1	3745924	G	A	CEP104
1	3746432	G	A	CEP104
1	3753136	A	T	CEP104
1	3786245	G	A	DFFB
1	3789061	T	C	DFFB
1	3807312	C	T	C1orf174
1	3807359	C	T	C1orf174
1	3809520	C	T	C1orf174
1	5923427	A	T	NPHP4
1	5926503	G	A	NPHP4
1	5927169	G	A	NPHP4
1	5927943	G	A	NPHP4

1	5940228	C	A	<i>NPHP4</i>
1	5940243	G	A	<i>NPHP4</i>
1	5951013	C	T	<i>NPHP4</i>
1	5965455	C	T	<i>NPHP4</i>
1	6038338	A	G	<i>NPHP4</i>
1	6046264	G	A	<i>NPHP4</i>
1	6171835	G	A	<i>CHD5</i>
1	6181605	C	A	<i>CHD5</i>
1	6184092	A	G	<i>CHD5</i>
1	6212566	G	C	<i>CHD5</i>
1	6215713	G	A	<i>CHD5</i>
1	6257817	-	ACAGGAGCCA	<i>TNFRSF25</i>
1	6257817	-	ACAGGAGCCA	<i>TNFRSF25</i>
1	6266644	G	A	<i>RNF207</i>
1	6272028	G	A	<i>RNF207</i>
1	6272078	G	A	<i>RNF207</i>
1	6273206	C	T	<i>RNF207</i>
1	6279316	C	T	<i>RNF207</i>
1	6279370	G	C	<i>RNF207</i>
1	6293647	T	C	<i>ICMT</i>
1	6295019	A	T	<i>ICMT</i>
1	6304454	A	G	<i>HES3</i>
1	6310562	C	G	<i>GPR153</i>
1	6313938	C	T	<i>GPR153</i>
1	6420661	C	A	<i>ACOT7</i>
1	6512061	G	A	<i>ESPN</i>
1	6524501	T	C	<i>TNFRSF25</i>
1	6525267	G	C	<i>TNFRSF25</i>
1	6528468	C	T	<i>PLEKHG5</i>
1	6530367	C	T	<i>PLEKHG5</i>
1	6531124	T	C	<i>PLEKHG5</i>
1	6531589	C	T	<i>PLEKHG5</i>
1	6533102	C	T	<i>PLEKHG5</i>
1	6533387	T	C	<i>PLEKHG5</i>
1	6533393	G	C	<i>PLEKHG5</i>
1	6534132	C	T	<i>PLEKHG5</i>
1	6534643	C	T	<i>PLEKHG5</i>
1	6536052	G	A	<i>PLEKHG5</i>
1	6579521	G	C	<i>PLEKHG5</i>
1	6609659	G	A	<i>NOL9</i>
1	6631106	C	T	<i>TAS1R1</i>
1	6635259	C	G	<i>TAS1R1</i>
1	6635306	G	A	<i>TAS1R1</i>

1	6636622	A	G	TAS1R1
1	6637056	G	A	TAS1R1
1	6638925	C	T	TAS1R1
1	6639073	G	A	TAS1R1
1	6639184	C	T	TAS1R1
1	6639188	G	-	TAS1R1
1	6662057	G	A	KLHL21
1	6688639	C	T	THAP3
1	6694119	C	T	THAP3
1	6698390	C	T	DNAJC11
1	6705944	C	T	DNAJC11
1	6741027	T	A	DNAJC11
1	7797503	C	G	CAMTA1
1	7797534	C	T	CAMTA1
1	7798367	C	T	CAMTA1
1	7844989	G	T	PER3
1	7869953	C	G	PER3
1	7869960	A	G	PER3
1	7879401	A	G	PER3
1	7886598	G	C	PER3
1	7887262	G	A	PER3
1	7887493	T	C	PER3
1	7887573	G	C	PER3
1	7887579	C	G	PER3
1	7890153	C	T	PER3
1	7897133	A	G	PER3
1	7909737	C	T	UTS2
1	7913029	A	G	UTS2
1	7913430	G	A	UTS2
1	7913445	C	T	UTS2
1	7998823	C	T	TNFRSF9
1	8030994	G	A	PARK7
1	8074334	C	T	ERRF1
1	8403906	G	C	SLC45A1
1	8482797	T	C	RERE
1	8716306	-	CGGTCC	RERE
1	8716322	TCTTTG	-	RERE
1	8927268	C	T	ENO1
1	9009406	C	T	CA6
1	9009414	C	T	CA6
1	9009444	A	C	CA6
1	9009451	G	C	CA6
1	9017204	A	G	CA6

1	9063478	A	T	SLC2A7
1	9064814	G	C	SLC2A7
1	9074861	C	T	SLC2A7
1	9075221	G	A	SLC2A7
1	9083112	G	T	SLC2A7
1	9099957	T	C	SLC2A5
1	9118297	C	T	SLC2A5
1	9165669	G	A	GPR157
1	9165685	G	A	GPR157
1	9188876	T	C	GPR157
1	9305445	A	C	H6PD
1	9324213	C	T	H6PD
1	9324485	C	T	H6PD
1	9324684	A	G	H6PD
1	9657037	C	G	TMEM201
1	9775972	T	A	PIK3CD
1	9780196	A	G	PIK3CD
1	9790659	C	G	CLSTN1
1	9796029	C	A	CLSTN1
1	9811653	C	T	CLSTN1
1	9932101	C	T	CTNNBIP1
1	9992024	C	G	LZIC
1	10068312	G	A	RBP7
1	10363885	G	A	KIF1B
1	10364260	A	G	KIF1B
1	10384896	C	T	KIF1B
1	10428570	G	A	KIF1B
1	10473200	G	A	PGD
1	10502454	G	A	APITD1
1	10521657	G	A	DFFA
1	10523626	A	G	DFFA
1	10529326	A	G	DFFA
1	10700044	A	C	CASZ1
1	10708107	G	A	CASZ1
1	10710753	T	C	CASZ1
1	10713997	G	A	CASZ1
1	10715762	C	T	CASZ1
1	10720254	G	A	CASZ1
1	10720305	A	G	CASZ1
1	10720339	A	C	CASZ1
1	10725278	T	C	CASZ1
1	11007895	G	T	C1orf127
1	11008055	G	A	C1orf127

1	11008102	G	A	<i>C1orf127</i>
1	11008594	A	T	<i>C1orf127</i>
1	11014118	C	T	<i>C1orf127</i>
1	11015165	A	G	<i>C1orf127</i>
1	11090814	C	T	<i>MASP2</i>
1	11090897	A	G	<i>MASP2</i>
1	11102940	G	A	<i>MASP2</i>
1	11102993	G	C	<i>MASP2</i>
1	11106642	G	A	<i>MASP2</i>
1	11106666	T	C	<i>MASP2</i>
1	11106673	G	A	<i>MASP2</i>
1	11134005	T	C	<i>EXOSC10</i>
1	11158209	G	A	<i>EXOSC10</i>
1	11159851	G	A	<i>EXOSC10</i>
1	11190698	G	A	<i>MTOR</i>
1	11252369	G	A	<i>ANGPTL7</i>
1	11253684	G	T	<i>ANGPTL7</i>
1	11307762	T	C	<i>MTOR</i>
1	11308007	C	T	<i>MTOR</i>
1	11333812	C	T	<i>UBIAD1</i>
1	11561164	G	A	<i>PTCHD2</i>
1	11561593	G	A	<i>PTCHD2</i>
1	11576094	G	A	<i>PTCHD2</i>
1	11579504	G	C	<i>PTCHD2</i>
1	11585308	C	T	<i>PTCHD2</i>
1	11710060	T	C	<i>FBXO2</i>
1	11710561	T	G	<i>FBXO2</i>
1	11716067	G	A	<i>FBXO44</i>
1	11718390	G	A	<i>FBXO44</i>
1	11718797	G	A	<i>FBXO44</i>
1	11721321	G	A	<i>FBXO44</i>
1	11728894	G	A	<i>FBXO6</i>
1	11728920	G	C	<i>FBXO6</i>
1	11733846	C	A	<i>FBXO6</i>
1	11733860	G	T	<i>FBXO6</i>
1	11771999	G	A	<i>DRAXIN</i>
1	11775178	A	T	<i>DRAXIN</i>
1	11807600	A	G	<i>AGTRAP</i>
1	11835556	C	T	<i>C1orf167</i>
1	11838841	A	G	<i>C1orf167</i>
1	11839033	G	T	<i>C1orf167</i>
1	11839034	G	A	<i>C1orf167</i>
1	11839923	C	T	<i>C1orf167</i>

1	11839971	C	T	<i>C1orf167</i>
1	11839972	G	A	<i>C1orf167</i>
1	11844424	G	A	<i>C1orf167</i>
1	11844454	A	C	<i>C1orf167</i>
1	11844520	C	T	<i>C1orf167</i>
1	11847449	G	A	<i>C1orf167</i>
1	11848068	G	C	<i>C1orf167</i>
1	11848080	G	A	<i>C1orf167</i>
1	11850927	C	T	<i>MTHFR</i>
1	11852411	C	A	<i>MTHFR</i>
1	11854085	T	A	<i>MTHFR</i>
1	11854086	C	G	<i>MTHFR</i>
1	11854476	T	G	<i>MTHFR</i>
1	11856378	G	A	<i>MTHFR</i>
1	11884555	A	G	<i>CLCN6</i>
1	11894056	T	C	<i>CLCN6</i>
1	11894592	G	A	<i>CLCN6</i>
1	11907430	T	G	<i>NPPA</i>
1	11907648	C	T	<i>NPPA</i>
1	11918379	C	A	<i>NPPB</i>
1	12004626	C	T	<i>PLOD1</i>
1	12004675	C	T	<i>PLOD1</i>
1	12009911	G	A	<i>PLOD1</i>
1	12009956	G	A	<i>PLOD1</i>
1	12010469	G	T	<i>PLOD1</i>
1	12012768	G	T	<i>PLOD1</i>
1	12025600	C	T	<i>PLOD1</i>
1	12059085	G	A	<i>MFN2</i>
1	12061533	G	A	<i>MFN2</i>
1	12069692	G	A	<i>MFN2</i>
1	12082334	A	T	<i>MIIP</i>
1	12082461	C	T	<i>MIIP</i>
1	12082926	A	G	<i>MIIP</i>
1	12091410	G	A	<i>MIIP</i>
1	12175651	A	T	<i>TNFRSF8</i>
1	12175658	G	A	<i>TNFRSF8</i>
1	12175729	C	T	<i>TNFRSF8</i>
1	12186058	A	G	<i>TNFRSF8</i>
1	12198362	C	A	<i>TNFRSF8</i>
1	12251902	G	T	<i>TNFRSF1B</i>
1	12252955	T	G	<i>TNFRSF1B</i>
1	12253062	G	A	<i>TNFRSF1B</i>
1	12262025	C	G	<i>TNFRSF1B</i>

1	12309291	A	C	VPS13D
1	12313827	A	G	VPS13D
1	12321134	A	G	VPS13D
1	12339619	A	T	VPS13D
1	12342990	G	A	VPS13D
1	12343493	T	A	VPS13D
1	12364649	T	G	VPS13D
1	12378223	C	T	VPS13D
1	12378274	C	T	VPS13D
1	12401857	C	T	VPS13D
1	12423276	A	T	VPS13D
1	12429585	A	G	VPS13D
1	12726169	G	A	AADA4
1	12815650	T	G	C1orf158
1	12820808	C	T	C1orf158
1	12835158	G	A	PRAMEF12
1	12835168	C	A	PRAMEF12
1	12836101	C	A	PRAMEF12
1	12837239	A	G	PRAMEF12
1	12837308	T	A	PRAMEF12
1	12837311	G	A	PRAMEF12
1	13183032	C	T	HNRNPCL2
1	13802373	G	A	LRRC38
1	13839886	A	-	LRRC38
1	13940864	C	G	PDPN
1	14105049	C	A	PRDM2
1	14105142	T	-	PRDM2
1	14105291	G	A	PRDM2
1	14105605	A	G	PRDM2
1	14105639	G	A	PRDM2
1	14107135	C	G	PRDM2
1	14107195	G	T	PRDM2
1	14107360	T	A	PRDM2
1	14107658	A	T	PRDM2
1	14109023	C	T	PRDM2
1	14109084	T	G	PRDM2
1	14143003	A	G	PRDM2
1	15370555	G	A	KAZN
1	15370588	C	T	KAZN
1	15420859	C	T	KAZN
1	15438990	G	A	KAZN
1	15439009	G	A	KAZN
1	15441090	C	T	KAZN

1	15495100	C	T	<i>C1orf195</i>
1	15495110	A	G	<i>C1orf195</i>
1	15546150	G	A	<i>TMEM51</i>
1	15616139	G	A	<i>FHAD1</i>
1	15616150	G	A	<i>FHAD1</i>
1	15639581	A	G	<i>FHAD1</i>
1	15642964	G	A	<i>FHAD1</i>
1	15655944	G	A	<i>FHAD1</i>
1	15668276	G	A	<i>FHAD1</i>
1	15668319	G	A	<i>FHAD1</i>
1	15684661	C	G	<i>FHAD1</i>
1	15687059	A	G	<i>FHAD1</i>
1	15707775	A	G	<i>FHAD1</i>
1	15708540	A	G	<i>FHAD1</i>
1	15772212	C	T	<i>CTRC</i>
1	15789247	G	A	<i>CELA2A</i>
1	15808767	G	A	<i>CELA2B</i>
1	15813844	G	T	<i>CELA2B</i>
1	15832495	T	G	<i>CASP9</i>
1	15832543	T	C	<i>CASP9</i>
1	15833506	C	T	<i>CASP9</i>
1	15844718	G	A	<i>CASP9</i>
1	15888644	G	A	<i>DNAJC16</i>
1	15905363	G	T	<i>AGMAT</i>
1	15905471	G	T	<i>AGMAT</i>
1	15909744	C	T	<i>AGMAT</i>
1	15986547	T	C	<i>RSC1A1</i>
1	15986868	G	A	<i>RSC1A1</i>
1	15987709	T	A	<i>RSC1A1</i>
1	15988041	C	T	<i>RSC1A1</i>
1	16051990	G	C	<i>PLEKHM2</i>
1	16053832	A	G	<i>PLEKHM2</i>
1	16069550	G	A	<i>TMEM82</i>
1	16070763	C	T	<i>TMEM82</i>
1	16070871	C	T	<i>TMEM82</i>
1	16073524	C	A	<i>TMEM82</i>
1	16073524	-	GA	<i>TMEM82</i>
1	16073527	-	G	<i>TMEM82</i>
1	16091591	G	A	<i>FBLIM1</i>
1	16101332	G	A	<i>FBLIM1</i>
1	16134129	C	T	<i>UQCRHL</i>
1	16255155	G	C	<i>SPEN</i>
1	16255500	C	T	<i>SPEN</i>

1	16256007	T	C	<i>SPEN</i>
1	16256824	T	G	<i>SPEN</i>
1	16258302	A	G	<i>SPEN</i>
1	16258756	T	A	<i>SPEN</i>
1	16258799	G	A	<i>SPEN</i>
1	16259151	G	C	<i>SPEN</i>
1	16273507	G	A	<i>ZBTB17</i>
1	16332665	C	T	<i>C1orf64</i>
1	16349137	G	A	<i>CLCNKA</i>
1	16354556	C	T	<i>CLCNKA</i>
1	16354581	C	T	<i>CLCNKA</i>
1	16354590	A	T	<i>CLCNKA</i>
1	16355287	C	G	<i>CLCNKA</i>
1	16356501	G	A	<i>CLCNKA</i>
1	16356522	A	G	<i>CLCNKA</i>
1	16356531	G	A	<i>CLCNKA</i>
1	16357147	C	T	<i>CLCNKA</i>
1	16357159	C	T	<i>CLCNKA</i>
1	16371067	G	T	<i>CLCNKB</i>
1	16375510	G	A	<i>CLCNKB</i>
1	16376332	A	G	<i>CLCNKB</i>
1	16382201	G	A	<i>CLCNKB</i>
1	16385991	T	C	<i>FAM131C</i>
1	16451737	C	G	<i>EPHA2</i>
1	16456763	C	T	<i>EPHA2</i>
1	16458722	C	T	<i>EPHA2</i>
1	16460373	C	T	<i>EPHA2</i>
1	16464489	C	T	<i>EPHA2</i>
1	16464805	C	T	<i>EPHA2</i>
1	16464919	G	A	<i>EPHA2</i>
1	16525657	A	G	<i>ARHGEF19</i>
1	16531263	C	T	<i>ARHGEF19</i>
1	16532498	G	A	<i>ARHGEF19</i>
1	16534255	C	G	<i>ARHGEF19</i>
1	16534523	G	A	<i>ARHGEF19</i>
1	16534646	C	G	<i>ARHGEF19</i>
1	16577794	C	T	<i>FBXO42</i>
1	16577908	G	C	<i>FBXO42</i>
1	16727305	-	CTT	<i>SPATA21</i>
1	16730308	G	T	<i>SPATA21</i>
1	16731510	C	G	<i>SPATA21</i>
1	16736132	T	C	<i>SPATA21</i>
1	16736138	A	G	<i>SPATA21</i>

1	16736327	G	A	<i>SPATA21</i>
1	16778370	G	A	<i>NECAP2</i>
1	17249200	G	A	<i>CROCC</i>
1	17250945	G	A	<i>CROCC</i>
1	17265416	G	T	<i>CROCC</i>
1	17270743	G	A	<i>CROCC</i>
1	17272769	G	A	<i>CROCC</i>
1	17273443	C	T	<i>CROCC</i>
1	17281235	G	A	<i>CROCC</i>
1	17281268	C	T	<i>CROCC</i>
1	17281278	G	A	<i>CROCC</i>
1	17292347	G	A	<i>CROCC</i>
1	17295764	A	G	<i>CROCC</i>
1	17296361	C	G	<i>CROCC</i>
1	17297200	C	T	<i>CROCC</i>
1	17312592	G	A	<i>ATP13A2</i>
1	17312596	T	A	<i>ATP13A2</i>
1	17312743	C	T	<i>ATP13A2</i>
1	17313049	G	A	<i>ATP13A2</i>
1	17314656	T	A	<i>ATP13A2</i>
1	17322793	G	C	<i>ATP13A2</i>
1	17326989	G	A	<i>ATP13A2</i>
1	17354297	A	G	<i>SDHB</i>
1	17396608	C	T	<i>PADI2</i>
1	17405814	C	T	<i>PADI2</i>
1	17410253	G	A	<i>PADI2</i>
1	17413152	C	T	<i>PADI2</i>
1	17420121	C	T	<i>PADI2</i>
1	17420146	C	T	<i>PADI2</i>
1	17548940	C	T	<i>PADI1</i>
1	17550898	A	T	<i>PADI1</i>
1	17552573	A	G	<i>PADI1</i>
1	17555507	C	T	<i>PADI1</i>
1	17586134	A	G	<i>PADI3</i>
1	17588689	T	A	<i>PADI3</i>
1	17593232	C	T	<i>PADI3</i>
1	17596817	C	T	<i>PADI3</i>
1	17597423	C	T	<i>PADI3</i>
1	17609560	A	C	<i>PADI3</i>
1	17634718	A	G	<i>PADI4</i>
1	17657534	G	A	<i>PADI4</i>
1	17657616	T	C	<i>PADI4</i>
1	17660468	C	A	<i>PADI4</i>

1	17660499	G	C	<i>PADI4</i>
1	17662705	G	C	<i>PADI4</i>
1	17666222	C	A	<i>PADI4</i>
1	17668509	G	A	<i>PADI4</i>
1	17668563	G	A	<i>PADI4</i>
1	17690083	C	T	<i>PADI4</i>
1	17690206	C	A	<i>PADI4</i>
1	17708528	G	A	<i>PADI6</i>
1	17723587	G	A	<i>PADI6</i>
1	17727860	G	A	<i>PADI6</i>
1	17914057	G	A	<i>ARHGEF10L</i>
1	17914122	G	A	<i>ARHGEF10L</i>
1	17928672	G	C	<i>ARHGEF10L</i>
1	17939629	G	A	<i>ARHGEF10L</i>
1	17982446	G	A	<i>ARHGEF10L</i>
1	18023690	A	G	<i>ARHGEF10L</i>
1	18149613	C	A	<i>ACTL8</i>
1	18149666	A	G	<i>ACTL8</i>
1	18702848	C	T	<i>IGSF21</i>
1	18807521	C	A	<i>KLHDC7A</i>
1	18807536	G	T	<i>KLHDC7A</i>
1	18807620	G	C	<i>KLHDC7A</i>
1	18807897	C	G	<i>KLHDC7A</i>
1	18808292	C	A	<i>KLHDC7A</i>
1	18808526	A	C	<i>KLHDC7A</i>
1	18961618	C	T	<i>PAX7</i>
1	19062163	C	T	<i>PAX7</i>
1	19166893	C	T	<i>TAS1R2</i>
1	19175932	C	T	<i>TAS1R2</i>
1	19176005	C	T	<i>TAS1R2</i>
1	19181015	G	C	<i>TAS1R2</i>
1	19186115	G	C	<i>TAS1R2</i>
1	19186129	G	C	<i>TAS1R2</i>
1	19199448	G	T	<i>ALDH4A1</i>
1	19201919	T	C	<i>ALDH4A1</i>
1	19201928	C	T	<i>ALDH4A1</i>
1	19203725	A	G	<i>ALDH4A1</i>
1	19203951	C	T	<i>ALDH4A1</i>
1	19203974	T	C	<i>ALDH4A1</i>
1	19212051	G	C	<i>ALDH4A1</i>
1	19235138	C	T	<i>IFFO2</i>
1	19401331	G	T	<i>UBR4</i>
1	19413261	T	A	<i>UBR4</i>

1	19443890	T	C	<i>UBR4</i>
1	19468217	C	G	<i>UBR4</i>
1	19499560	T	C	<i>UBR4</i>
1	19504062	T	C	<i>UBR4</i>
1	19565338	C	T	<i>EMC1</i>
1	19565344	C	G	<i>EMC1</i>
1	19584997	G	A	<i>MRT04</i>
1	19644218	G	A	<i>PQLC2</i>
1	19992380	C	G	<i>HTR6</i>
1	20005619	C	T	<i>HTR6</i>
1	20005661	C	A	<i>HTR6</i>
1	20009790	C	T	<i>TMCO4</i>
1	20020994	C	T	<i>TMCO4</i>
1	20021024	AA	-	<i>TMCO4</i>
1	20067299	T	C	<i>TMCO4</i>
1	20072082	C	T	<i>TMCO4</i>
1	20073700	T	C	<i>TMCO4</i>
1	20073703	C	T	<i>TMCO4</i>
1	20082209	G	A	<i>TMCO4</i>
1	20140973	G	T	<i>RNF186</i>
1	20141405	C	T	<i>RNF186</i>
1	20141418	C	A	<i>RNF186</i>
1	20141528	C	T	<i>RNF186</i>
1	20233051	A	G	<i>OTUD3</i>
1	20233086	G	A	<i>OTUD3</i>
1	20234222	G	A	<i>OTUD3</i>
1	20246876	C	T	<i>PLA2G2E</i>
1	20249203	T	C	<i>PLA2G2E</i>
1	20440717	C	T	<i>PLA2G2D</i>
1	20442054	T	C	<i>PLA2G2D</i>
1	20442878	C	T	<i>PLA2G2D</i>
1	20474812	C	T	<i>PLA2G2F</i>
1	20490518	T	C	<i>PLA2G2C</i>
1	20501582	G	A	<i>PLA2G2C</i>
1	20517763	C	T	<i>UBXN10</i>
1	20639370	G	A	<i>VWA5B1</i>
1	20640926	T	C	<i>VWA5B1</i>
1	20641002	G	T	<i>VWA5B1</i>
1	20645086	T	A	<i>VWA5B1</i>
1	20662938	A	G	<i>VWA5B1</i>
1	20664227	C	A	<i>VWA5B1</i>
1	20671961	G	A	<i>VWA5B1</i>
1	20672051	G	A	<i>VWA5B1</i>

1	20676700	G	A	VWA5B1
1	20677416	C	T	VWA5B1
1	20680458	T	G	VWA5B1
1	20680718	G	A	VWA5B1
1	20829761	A	C	MUL1
1	20915701	A	C	CDA
1	20972108	G	A	PINK1
1	20972111	G	A	PINK1
1	20977000	A	C	PINK1
1	20979136	G	A	DDOST
1	20981156	G	A	DDOST
1	20998548	G	A	KIF17
1	20998598	C	T	KIF17
1	21009211	C	T	KIF17
1	21012549	G	A	KIF17
1	21012609	G	A	KIF17
1	21014075	C	T	KIF17
1	21024901	C	T	KIF17
1	21030956	G	T	KIF17
1	21031042	T	C	KIF17
1	21042033	T	C	KIF17
1	21044007	C	T	KIF17
1	21044052	T	C	KIF17
1	21050719	C	T	SH2D5
1	21054041	A	G	SH2D5
1	21071406	T	G	HP1BP3
1	21268143	T	C	EIF4G3
1	21268194	G	C	EIF4G3
1	21268652	C	T	EIF4G3
1	21268710	C	T	EIF4G3
1	21564631	C	T	ECE1
1	21573855	G	A	ECE1
1	21795388	A	G	NBPF3
1	21797204	G	C	NBPF3
1	21797221	A	G	NBPF3
1	21890632	G	A	ALPL
1	21894735	T	C	ALPL
1	21896823	C	T	ALPL
1	21924946	T	C	RAP1GAP
1	21938584	T	C	RAP1GAP
1	21940555	C	T	RAP1GAP
1	22055176	T	C	USP48
1	22141206	A	C	LDLRAD2

1	22150118	C	T	HSPG2
1	22150120	C	T	HSPG2
1	22150130	C	T	HSPG2
1	22150639	C	T	HSPG2
1	22155353	G	A	HSPG2
1	22155455	C	A	HSPG2
1	22159784	G	A	HSPG2
1	22160001	C	T	HSPG2
1	22160020	C	T	HSPG2
1	22160043	C	T	HSPG2
1	22161394	C	T	HSPG2
1	22163370	C	T	HSPG2
1	22165963	T	C	HSPG2
1	22168801	T	C	HSPG2
1	22168845	A	T	HSPG2
1	22170712	C	A	HSPG2
1	22173967	G	A	HSPG2
1	22176915	C	T	HSPG2
1	22179244	C	T	HSPG2
1	22180779	C	T	HSPG2
1	22181360	G	C	HSPG2
1	22181895	C	T	HSPG2
1	22182115	G	A	HSPG2
1	22182333	G	A	HSPG2
1	22191361	G	C	HSPG2
1	22191454	G	A	HSPG2
1	22191473	A	T	HSPG2
1	22200454	G	T	HSPG2
1	22200473	C	T	HSPG2
1	22202483	G	A	HSPG2
1	22203106	C	T	HSPG2
1	22205601	T	C	HSPG2
1	22206608	G	A	HSPG2
1	22206649	T	C	HSPG2
1	22206977	C	T	HSPG2
1	22207235	T	C	HSPG2
1	22211150	G	A	HSPG2
1	22222455	G	T	HSPG2
1	22304889	G	A	CELA3B
1	22304891	C	T	CELA3B
1	22304909	A	C	CELA3B
1	22307538	C	T	CELA3B
1	22313103	C	G	CELA3B

1	22328207	G	A	CELA3A
1	22835677	A	G	ZBTB40
1	22839498	A	G	ZBTB40
1	22846655	C	T	ZBTB40
1	22895820	G	A	EPHA8
1	22915678	A	G	EPHA8
1	22920150	A	G	EPHA8
1	22923873	G	C	EPHA8
1	22927503	G	A	EPHA8
1	22964176	G	A	C1QA
1	22987523	C	T	C1QB
1	23191508	G	A	EPHB2
1	23233346	G	A	EPHB2
1	23240246	-	A	EPHB2
1	23415518	C	T	LUZP1
1	23417894	T	C	LUZP1
1	23418128	C	T	LUZP1
1	23418153	C	T	LUZP1
1	23418803	G	C	LUZP1
1	23419283	G	A	LUZP1
1	23419436	C	T	LUZP1
1	23519593	G	A	HTR1D
1	23520259	C	A	HTR1D
1	23757614	C	T	ASAP3
1	23759743	G	T	ASAP3
1	23763676	G	A	ASAP3
1	23845566	G	A	E2F2
1	23847464	C	A	E2F2
1	23857189	T	C	E2F2
1	23857249	C	G	E2F2
1	23885498	T	C	ID3
1	24077451	C	T	TCEB3
1	24077853	G	A	TCEB3
1	24077943	C	T	TCEB3
1	24077957	A	G	TCEB3
1	24082402	G	A	TCEB3
1	24122489	G	T	GALE
1	24180962	T	C	FUCA1
1	24192072	A	G	FUCA1
1	24192103	C	G	FUCA1
1	24201162	G	A	CNR2
1	24201269	G	A	CNR2
1	24201711	G	T	CNR2

1	24201920	T	C	CNR2
1	24390613	C	-	MYOM3
1	24393563	C	T	MYOM3
1	24394811	A	G	MYOM3
1	24394835	C	G	MYOM3
1	24397636	A	G	MYOM3
1	24402675	T	G	MYOM3
1	24406535	G	A	MYOM3
1	24408594	C	T	MYOM3
1	24409191	C	T	MYOM3
1	24416059	T	C	MYOM3
1	24417415	T	C	MYOM3
1	24417419	T	C	MYOM3
1	24419496	A	G	MYOM3
1	24421474	G	A	MYOM3
1	24421950	C	G	MYOM3
1	24434519	G	C	MYOM3
1	24434537	G	T	MYOM3
1	24434562	C	T	MYOM3
1	24447468	G	C	IL22RA1
1	24454688	C	T	IL22RA1
1	24484108	G	A	IFNLR1
1	24658063	C	G	GRHL3
1	24669457	C	T	GRHL3
1	24669459	C	G	GRHL3
1	24673057	G	A	GRHL3
1	24680910	C	T	GRHL3
1	24690764	T	A	GRHL3
1	24710405	A	G	STPG1
1	24718079	C	A	STPG1
1	24746056	G	A	NIPAL3
1	24840882	A	G	RCAN3
1	24861704	G	A	RCAN3
1	24927454	G	A	NCMAP
1	24979487	C	T	SRRM1
1	24981585	G	A	SRRM1
1	24989688	A	G	SRRM1
1	25228747	C	T	RUNX3
1	25570081	T	C	RSRP1
1	25572984	T	G	RSRP1
1	25572985	C	T	RSRP1
1	25573016	A	G	RSRP1
1	25573151	T	C	RSRP1

1	25669531	C	T	<i>TMEM50A</i>
1	25717308	G	C	<i>RHCE</i>
1	25717365	C	G	<i>RHCE</i>
1	25881403	G	A	<i>LDLRAP1</i>
1	25889632	T	C	<i>LDLRAP1</i>
1	25890247	C	T	<i>LDLRAP1</i>
1	26073242	G	A	<i>MAN1C1</i>
1	26110236	G	A	<i>MAN1C1</i>
1	26161593	T	C	<i>AUNIP</i>
1	26162016	C	T	<i>AUNIP</i>
1	26162313	T	G	<i>AUNIP</i>
1	26189517	C	T	<i>PAQR7</i>
1	26190188	T	C	<i>PAQR7</i>
1	26303228	G	A	<i>PAFAH2</i>
1	26349625	G	A	<i>EXTL1</i>
1	26356156	G	A	<i>EXTL1</i>
1	26357656	C	A	<i>EXTL1</i>
1	26361669	C	A	<i>EXTL1</i>
1	26384973	G	A	<i>TRIM63</i>
1	26385003	T	C	<i>TRIM63</i>
1	26487940	A	G	<i>FAM110D</i>
1	26487942	C	A	<i>FAM110D</i>
1	26507222	C	T	<i>CNKSR1</i>
1	26514790	G	A	<i>CNKSR1</i>
1	26515956	C	A	<i>CNKSR1</i>
1	26517267	A	G	<i>CATSPER4</i>
1	26517794	A	G	<i>CATSPER4</i>
1	26517811	A	G	<i>CATSPER4</i>
1	26520292	G	T	<i>CATSPER4</i>
1	26520354	T	C	<i>CATSPER4</i>
1	26526439	A	G	<i>CATSPER4</i>
1	26527951	G	A	<i>CATSPER4</i>
1	26582091	G	A	<i>CEP85</i>
1	26601519	G	A	<i>CEP85</i>
1	26610881	C	G	<i>UBXN11</i>
1	26610891	A	C	<i>UBXN11</i>
1	26611971	T	C	<i>UBXN11</i>
1	26620735	C	T	<i>UBXN11</i>
1	26620806	T	C	<i>UBXN11</i>
1	26624479	C	A	<i>UBXN11</i>
1	26644537	C	A	<i>CD52</i>
1	26646726	A	G	<i>CD52</i>
1	26646730	A	G	<i>CD52</i>

1	26648530	G	A	AIM1L
1	26655304	C	G	AIM1L
1	26655319	C	G	AIM1L
1	26663362	C	T	AIM1L
1	26664113	C	T	AIM1L
1	26673076	G	A	AIM1L
1	26673108	C	T	AIM1L
1	26691174	C	A	ZNF683
1	26691287	CCACCGAGCG(-		ZNF683
1	26694245	T	C	ZNF683
1	26694260	T	C	ZNF683
1	26786627	G	A	DHDDS
1	26795528	C	T	DHDDS
1	26881173	G	A	RPS6KA1
1	26883511	A	C	RPS6KA1
1	27100182	GCA	-	ARID1A
1	27100184	-	GCA	ARID1A
1	27105725	A	G	ARID1A
1	27106106	G	A	ARID1A
1	27120874	A	G	PIGV
1	27124130	C	T	PIGV
1	27124222	C	T	PIGV
1	27210721	T	C	GPN2
1	27219192	C	T	GPATCH3
1	27223967	T	C	GPATCH3
1	27278553	G	A	KDF1
1	27278573	T	C	KDF1
1	27332637	T	G	FAM46B
1	27480600	G	A	SLC9A1
1	27632690	C	G	WDTC1
1	27648785	G	A	TMEM222
1	27660768	G	A	TMEM222
1	27661952	C	T	TMEM222
1	27677409	G	A	SYTL1
1	27679797	A	G	SYTL1
1	27682530	C	G	MAP3K6
1	27684750	G	A	MAP3K6
1	27687466	G	T	MAP3K6
1	27688633	G	A	MAP3K6
1	27690792	C	A	MAP3K6
1	27699671	G	-	FCN3
1	27699991	G	A	FCN3
1	27700455	C	T	FCN3

1	27709020	T	C	CD164L2
1	27720382	C	G	GPR3
1	27739150	G	A	WASF2
1	27874042	G	A	AHDC1
1	27874243	T	G	AHDC1
1	27875800	T	G	AHDC1
1	27875824	C	T	AHDC1
1	27877216	C	T	AHDC1
1	28206250	T	C	THEMIS2
1	28209366	A	G	THEMIS2
1	28240648	C	T	RPA2
1	28282259	G	A	SMPDL3B
1	28282292	T	C	SMPDL3B
1	28282307	G	A	SMPDL3B
1	28293641	G	A	XKR8
1	28303893	T	C	EYA3
1	28564279	A	G	ATPIF1
1	28595709	C	T	SESN2
1	28792952	C	T	PHACTR4
1	28800629	A	G	PHACTR4
1	28880201	T	C	TRNAU1AP
1	28920274	A	G	RAB42
1	28931901	T	A	TAF12
1	29010147	T	G	GMEB1
1	29069443	G	A	YTHDF2
1	29320013	G	A	EPB41
1	29342245	C	T	EPB41
1	29379679	G	A	EPB41
1	29385153	C	G	EPB41
1	29475648	T	G	SRSF4
1	29528531	C	T	MECR
1	29542637	A	G	MECR
1	29602227	G	T	PTPRU
1	29631909	A	G	PTPRU
1	31188019	T	G	MATN1
1	31188935	C	T	MATN1
1	31208042	C	T	LAPTM5
1	31211894	G	A	LAPTM5
1	31347320	G	A	SDC3
1	31347399	C	T	SDC3
1	31349647	C	T	SDC3
1	31349983	C	T	SDC3
1	31422976	T	C	PUM1

1	31465377	T	G	<i>PUM1</i>
1	31532110	C	T	<i>PUM1</i>
1	31658150	C	T	<i>NKAIN1</i>
1	31791979	G	A	<i>ZCCHC17</i>
1	31842320	T	C	<i>FABP3</i>
1	31896645	G	T	<i>SERINC2</i>
1	31897587	G	A	<i>SERINC2</i>
1	31897639	C	T	<i>SERINC2</i>
1	31897692	C	T	<i>SERINC2</i>
1	31902279	G	A	<i>SERINC2</i>
1	31902357	A	G	<i>SERINC2</i>
1	32085210	G	A	<i>HCRTR1</i>
1	32086564	G	A	<i>HCRTR1</i>
1	32089178	C	A	<i>HCRTR1</i>
1	32092525	A	G	<i>HCRTR1</i>
1	32098120	T	C	<i>PEF1</i>
1	32120423	T	C	<i>COL16A1</i>
1	32133177	G	A	<i>COL16A1</i>
1	32138045	G	A	<i>COL16A1</i>
1	32145693	C	T	<i>COL16A1</i>
1	32148555	C	A	<i>COL16A1</i>
1	32149721	G	C	<i>COL16A1</i>
1	32165495	G	T	<i>COL16A1</i>
1	32201439	C	T	<i>ADGRB2</i>
1	32204476	G	A	<i>ADGRB2</i>
1	32205615	G	C	<i>ADGRB2</i>
1	32259445	C	T	<i>SPOCD1</i>
1	32259775	G	A	<i>SPOCD1</i>
1	32259791	C	T	<i>SPOCD1</i>
1	32279629	G	A	<i>SPOCD1</i>
1	32280063	G	A	<i>SPOCD1</i>
1	32280369	G	A	<i>SPOCD1</i>
1	32280610	T	C	<i>SPOCD1</i>
1	32280787	C	T	<i>SPOCD1</i>
1	32622496	G	T	<i>KPNA6</i>
1	32647133	C	G	<i>TXLNA</i>
1	32667609	C	T	<i>CCDC28B</i>
1	32669918	G	A	<i>CCDC28B</i>
1	32672189	G	A	<i>IQCC</i>
1	32672908	T	G	<i>IQCC</i>
1	32672932	G	A	<i>IQCC</i>
1	32673184	G	A	<i>IQCC</i>
1	32673514	G	C	<i>IQCC</i>

1	32674927	T	C	<i>DCDC2B</i>
1	32678180	A	G	<i>DCDC2B</i>
1	32681069	C	A	<i>DCDC2B</i>
1	32681129	G	C	<i>DCDC2B</i>
1	32797831	GAG	-	<i>HDAC1</i>
1	32797833	G	-	<i>HDAC1</i>
1	32834055	G	A	<i>BSDC1</i>
1	33065688	A	G	<i>ZBTB8A</i>
1	33065830	T	C	<i>ZBTB8A</i>
1	33065947	G	C	<i>ZBTB8A</i>
1	33116103	C	A	<i>ZBTB8OS</i>
1	33160644	T	G	<i>SYNC</i>
1	33160878	C	T	<i>SYNC</i>
1	33160912	G	A	<i>SYNC</i>
1	33161113	G	A	<i>SYNC</i>
1	33161212	T	C	<i>SYNC</i>
1	33235787	A	G	<i>KIAA1522</i>
1	33235789	C	T	<i>KIAA1522</i>
1	33236824	C	T	<i>KIAA1522</i>
1	33236852	C	G	<i>KIAA1522</i>
1	33292008	G	A	<i>S100PBP</i>
1	33360426	AGCTGGTGCAC-	-	<i>TMEM54</i>
1	33361287	G	A	<i>TMEM54</i>
1	33361552	C	T	<i>TMEM54</i>
1	33487277	T	C	<i>AK2</i>
1	33583572	G	A	<i>AZIN2</i>
1	33625490	C	T	<i>TRIM62</i>
1	33764618	G	A	<i>ZNF362</i>
1	33772792	C	T	<i>A3GALT2</i>
1	33772793	G	C	<i>A3GALT2</i>
1	33777670	AGTC	-	<i>A3GALT2</i>
1	33777674	A	C	<i>A3GALT2</i>
1	33777675	G	C	<i>A3GALT2</i>
1	33778143	C	T	<i>A3GALT2</i>
1	33778153	G	A	<i>A3GALT2</i>
1	33820134	C	T	<i>PHC2</i>
1	33820632	G	A	<i>PHC2</i>
1	33820749	G	-	<i>PHC2</i>
1	33820749	GGCTGCTGCT(-	-	<i>PHC2</i>
1	33820749	G	A	<i>PHC2</i>
1	33820760	T	-	<i>PHC2</i>
1	33832933	G	A	<i>PHC2</i>
1	33836164	G	A	<i>PHC2</i>

1	33944993	A	G	ZSCAN20
1	33945011	G	A	ZSCAN20
1	33945026	G	A	ZSCAN20
1	33956976	T	C	ZSCAN20
1	33960031	A	G	ZSCAN20
1	33960082	A	C	ZSCAN20
1	33960133	G	A	ZSCAN20
1	34038214	T	C	CSMD2
1	34066566	C	T	CSMD2
1	34066567	G	A	CSMD2
1	34071525	C	T	CSMD2
1	34090751	T	A	CSMD2
1	34166210	C	T	CSMD2
1	34238283	T	C	CSMD2
1	34254272	T	C	CSMD2
1	34330137	C	A	HMGB4
1	34330200	C	G	HMGB4
1	34401453	A	G	CSMD2
1	34662919	A	C	C1orf94
1	34663208	C	G	C1orf94
1	34663411	C	G	C1orf94
1	34667736	A	T	C1orf94
1	35222995	C	T	GJB5
1	35227008	TGTC	-	GJB4
1	35227162	C	T	GJB4
1	35227226	G	A	GJB4
1	35227239	G	A	GJB4
1	35227362	C	G	GJB4
1	35227466	A	C	GJB4
1	35250457	C	T	GJB3
1	35250961	G	A	GJB3
1	35260586	C	T	GJA4
1	35370419	G	A	DLGAP3
1	35370549	C	T	DLGAP3
1	35447598	C	G	ZMYM6NB
1	35452986	C	T	ZMYM6
1	35453651	A	C	ZMYM6
1	35454473	C	G	ZMYM6
1	35472659	C	G	ZMYM6
1	35476384	G	A	ZMYM6
1	35496159	C	G	ZMYM6
1	35562965	G	A	ZMYM1
1	35578752	A	G	ZMYM1

1	35824639	C	A	ZMYM4
1	35847032	G	A	ZMYM4
1	35847342	A	G	ZMYM4
1	35940497	T	G	KIAA0319L
1	36053996	G	A	TFAP2E
1	36056280	C	T	TFAP2E
1	36074927	G	A	PSMB2
1	36181807	G	A	C1orf216
1	36181813	G	C	C1orf216
1	36202585	G	A	CLSPN
1	36203016	C	T	CLSPN
1	36212547	G	T	CLSPN
1	36235455	C	T	CLSPN
1	36499843	A	G	AGO3
1	36550658	C	T	TEKT2
1	36550788	A	G	TEKT2
1	36552585	C	T	TEKT2
1	36557619	G	A	ADPRHL2
1	36563558	G	A	COL8A2
1	36563583	C	T	COL8A2
1	36563981	C	T	COL8A2
1	36564818	C	T	COL8A2
1	36638146	G	A	MAP7D1
1	36638206	G	A	MAP7D1
1	36643701	AGA	-	MAP7D1
1	36773761	C	G	SH3D21
1	36785343	C	T	SH3D21
1	36807481	C	T	STK40
1	36887813	C	A	OSCP1
1	36888462	A	G	OSCP1
1	36893930	C	T	OSCP1
1	36893968	A	G	OSCP1
1	36921408	G	A	MRPS15
1	36932047	C	T	CSF3R
1	36932458	G	A	CSF3R
1	36932463	A	G	CSF3R
1	36934805	C	G	CSF3R
1	36937701	T	C	CSF3R
1	36937878	C	T	CSF3R
1	36939403	C	G	CSF3R
1	37941192	C	T	ZC3H12A
1	37941196	G	T	ZC3H12A
1	37949052	G	A	ZC3H12A

1	38006163	G	A	SNIP1
1	38023316	C	T	DNALI1
1	38023338	A	G	DNALI1
1	38027796	A	C	DNALI1
1	38027815	A	G	DNALI1
1	38049504	C	G	GNL2
1	38078467	TGC	-	RSPO1
1	38079517	T	G	RSPO1
1	38082327	C	T	RSPO1
1	38184382	C	T	EPHA10
1	38186189	C	T	EPHA10
1	38188736	G	A	EPHA10
1	38188740	C	T	EPHA10
1	38188779	C	G	EPHA10
1	38188787	A	G	EPHA10
1	38188820	C	T	EPHA10
1	38227268	G	T	EPHA10
1	38227620	C	G	EPHA10
1	38270002	C	T	YRDC
1	38280953	T	C	MTF1
1	38287837	T	C	MTF1
1	38289400	C	T	MTF1
1	38289462	G	A	MTF1
1	38323142	G	T	MTF1
1	38329999	C	G	INPP5B
1	38338795	A	G	INPP5B
1	38397630	-	A	INPP5B
1	38463148	G	C	FHL3
1	38463226	C	T	FHL3
1	38464690	G	A	FHL3
1	38484795	A	G	UTP11L
1	39340282	C	T	GJA9
1	39340381	A	G	GJA9
1	39340419	G	A	GJA9
1	39340558	G	A	GJA9
1	39341749	C	T	GJA9
1	39352271	G	T	RHBDL2
1	39384826	A	G	RHBDL2
1	39758439	G	T	MACF1
1	39763365	G	T	MACF1
1	39775303	A	G	MACF1
1	39788295	C	A	MACF1
1	39835817	A	G	MACF1

1	39838200	A	G	MACF1
1	39847730	G	A	MACF1
1	39853640	A	C	MACF1
1	39853641	G	T	MACF1
1	39853740	C	G	MACF1
1	39853797	G	T	MACF1
1	39853959	G	A	MACF1
1	39876573	A	C	KIAA0754
1	39877829	T	C	KIAA0754
1	39878815	A	G	KIAA0754
1	39879517	G	A	KIAA0754
1	39908506	G	A	MACF1
1	39914363	G	C	MACF1
1	39951304	T	G	MACF1
1	40092227	C	T	HEYL
1	40092603	G	A	HEYL
1	40092631	A	G	HEYL
1	40092635	C	A	HEYL
1	40098328	T	C	HEYL
1	40125077	T	C	NT5C1A
1	40236128	T	C	OXCT2
1	40315871	G	A	TRIT1
1	40315888	A	T	TRIT1
1	40363054	G	C	MYCL
1	40533287	T	G	CAP1
1	40533315	T	G	CAP1
1	40533320	T	G	CAP1
1	40533326	T	G	CAP1
1	40533347	T	G	CAP1
1	40557033	A	G	PPT1
1	40627183	C	T	RLF
1	40703178	C	T	RLF
1	40703244	G	A	RLF
1	40705427	C	G	RLF
1	40705431	G	A	RLF
1	40717144	C	G	TMCO2
1	40756542	-	T	ZMPSTE24
1	40756572	G	A	ZMPSTE24
1	40766942	G	A	COL9A2
1	40767520	C	T	COL9A2
1	40773123	G	C	COL9A2
1	40773149	T	C	COL9A2
1	40923019	G	A	ZFP69B

1	40928150	A	G	ZFP69B
1	40928408	G	A	ZFP69B
1	40928780	G	A	ZFP69B
1	40928969	A	G	ZFP69B
1	40929077	C	G	ZFP69B
1	40960619	G	A	ZFP69
1	40960827	T	A	ZFP69
1	40961133	A	T	ZFP69
1	40980559	G	A	EX05
1	40980668	T	C	EX05
1	40980715	C	T	EX05
1	40980731	G	T	EX05
1	40980826	A	G	EX05
1	41012663	C	T	ZNF684
1	41012726	A	C	ZNF684
1	41013073	T	A	ZNF684
1	41204615	A	G	NFYC
1	41232317	T	C	NFYC
1	41296828	T	G	KCNQ4
1	41482917	A	G	SLFNL1
1	41482976	A	G	SLFNL1
1	41486083	C	A	SLFNL1
1	41486191	T	A	SLFNL1
1	41486245	C	T	SLFNL1
1	41540902	G	A	SCMH1
1	41847477	A	C	FOXO6
1	41848296	G	A	FOXO6
1	41976217	G	A	HIVEP3
1	41976291	C	T	HIVEP3
1	41976621	C	T	HIVEP3
1	42045770	G	A	HIVEP3
1	42045818	C	T	HIVEP3
1	42047208	C	G	HIVEP3
1	42047300	A	T	HIVEP3
1	42048745	T	C	HIVEP3
1	42049250	G	T	HIVEP3
1	42619152	C	A	GUCA2B
1	42628591	A	T	GUCA2A
1	42629092	C	A	GUCA2A
1	42630364	G	A	GUCA2A
1	42657196	T	G	FOXJ3
1	42657223	C	T	FOXJ3
1	42693597	A	G	FOXJ3

1	42880442	G	A	RIMKLA
1	42896441	C	A	ZMYND12
1	42898843	A	G	ZMYND12
1	42902142	T	C	ZMYND12
1	43055036	G	A	CCDC30
1	43108172	C	A	CCDC30
1	43119661	C	A	CCDC30
1	43201534	G	A	CLDN19
1	43201576	C	T	CLDN19
1	43201614	C	T	CLDN19
1	43205670	A	G	CLDN19
1	43212750	C	T	P3H1
1	43212869	A	T	P3H1
1	43212926	G	A	P3H1
1	43213903	T	G	P3H1
1	43215930	C	T	P3H1
1	43218010	C	G	P3H1
1	43223489	C	T	P3H1
1	43232504	C	A	P3H1
1	43240998	C	T	C1orf50
1	43296195	C	T	ERMAP
1	43296522	G	A	ERMAP
1	43296531	C	G	ERMAP
1	43308263	G	A	ERMAP
1	43621956	G	A	FAM183A
1	43630460	G	A	EBNA1BP2
1	43632536	C	T	EBNA1BP2
1	43637246	G	C	EBNA1BP2
1	43647421	A	G	CFAP57
1	43647422	G	C	CFAP57
1	43647424	C	T	CFAP57
1	43649334	G	T	CFAP57
1	43651024	C	G	CFAP57
1	43652442	G	C	CFAP57
1	43675657	A	G	CFAP57
1	43681073	G	A	CFAP57
1	43688550	T	C	CFAP57
1	43708928	G	A	CFAP57
1	43738517	G	A	TMEM125
1	43738760	G	A	TMEM125
1	43738829	G	A	TMEM125
1	43775114	G	A	TIE1
1	43777674	G	A	TIE1

1	43782900	G	A	<i>TIE1</i>
1	43803600	T	A	<i>MPL</i>
1	43804340	G	A	<i>MPL</i>
1	43812237	G	T	<i>MPL</i>
1	43890811	G	A	<i>SZT2</i>
1	43896217	G	A	<i>SZT2</i>
1	43897181	C	T	<i>SZT2</i>
1	43897496	G	A	<i>SZT2</i>
1	43898013	C	T	<i>SZT2</i>
1	43907225	T	C	<i>SZT2</i>
1	43917469	C	A	<i>HYI</i>
1	43919081	T	C	<i>HYI</i>
1	44085844	C	A	<i>PTPRF</i>
1	44134887	T	C	<i>KDM4A</i>
1	44137257	C	A	<i>KDM4A</i>
1	44290530	A	G	<i>ST3GAL3</i>
1	44415735	A	T	<i>IPO13</i>
1	44437266	A	G	<i>DPH2</i>
1	44447413	G	C	<i>B4GALT2</i>
1	44447579	G	A	<i>B4GALT2</i>
1	44461735	C	T	<i>CCDC24</i>
1	44467259	C	T	<i>SLC6A9</i>
1	44595113	G	C	<i>KLF17</i>
1	44595410	A	G	<i>KLF17</i>
1	44596380	CAA	-	<i>KLF17</i>
1	44685854	G	A	<i>DMAP1</i>
1	45110690	C	T	<i>RNF220</i>
1	45120662	G	C	<i>TMEM53</i>
1	45140038	G	A	<i>TMEM53</i>
1	45166717	G	C	<i>C1orf228</i>
1	45189817	G	A	<i>C1orf228</i>
1	45224990	T	C	<i>KIF2C</i>
1	45224998	A	C	<i>KIF2C</i>
1	45252294	A	T	<i>BEST4</i>
1	45276025	C	G	<i>BTBD19</i>
1	45276242	C	T	<i>BTBD19</i>
1	45279368	G	A	<i>BTBD19</i>
1	45292173	G	A	<i>PTCH2</i>
1	45295296	C	T	<i>PTCH2</i>
1	45340342	A	C	<i>EIF2B3</i>
1	45475886	C	T	<i>HECTD3</i>
1	45475906	G	A	<i>HECTD3</i>
1	45500083	C	T	<i>ZSWIM5</i>

1	45500107	C	T	ZSWIM5
1	45524311	C	T	ZSWIM5
1	45553712	G	A	ZSWIM5
1	45671943	C	A	ZSWIM5
1	45792954	T	A	HPDL
1	45795084	G	A	MUTYH
1	45797228	C	T	MUTYH
1	45808863	G	A	TOE1
1	45810865	G	A	TESK2
1	45923364	C	T	TESK2
1	45923405	C	T	TESK2
1	45973127	C	T	MMACHC
1	45973216	-	A	MMACHC
1	46032307	G	A	AKR1A1
1	46032311	A	G	AKR1A1
1	46034879	G	T	AKR1A1
1	46049849	G	C	NASP
1	46056939	A	G	NASP
1	46086766	C	T	CCDC17
1	46087577	G	A	CCDC17
1	46094034	C	T	GPBP1L1
1	46195375	T	C	IPP
1	46206636	C	T	IPP
1	46476587	T	G	MAST2
1	46493460	T	G	MAST2
1	46496400	G	A	MAST2
1	46498071	G	A	MAST2
1	46499526	A	G	MAST2
1	46500345	G	A	MAST2
1	46500579	C	G	MAST2
1	46501359	A	G	MAST2
1	46512266	G	A	PIK3R3
1	46521559	A	T	PIK3R3
1	46651169	G	A	TSPAN1
1	46655158	T	C	POMGNT1
1	46655645	C	T	POMGNT1
1	46685792	A	G	LURAP1
1	46714242	A	G	RAD54L
1	46726525	C	T	RAD54L
1	46740279	C	T	RAD54L
1	46746164	C	T	LRRC41
1	46747036	C	T	LRRC41
1	46751448	G	A	LRRC41

1	46806550	C	T	NSUN4
1	46810530	A	G	NSUN4
1	46810729	C	A	NSUN4
1	46810763	C	A	NSUN4
1	46827456	A	G	NSUN4
1	46870705	G	A	FAAH
1	46870761	C	A	FAAH
1	46977886	G	C	DMBX1
1	47016761	C	TRUE	KNCN
1	47024308	C	T	MKNK1
1	47042283	C	T	MKNK1
1	47078762	T	C	MOB3C
1	47080665	C	T	MOB3C
1	47080679	G	A	MOB3C
1	47138819	T	G	TEX38
1	47139039	C	T	TEX38
1	47139103	C	T	TEX38
1	47279175	C	T	CYP4B1
1	47280747	AT	-	CYP4B1
1	47280785	G	A	CYP4B1
1	47280830	A	G	CYP4B1
1	47280859	G	A	CYP4B1
1	47282772	C	T	CYP4B1
1	47398496	A	G	CYP4A11
1	47514254	A	G	CYP4X1
1	47560307	G	A	CYP4Z1
1	47571862	C	G	CYP4Z1
1	47603188	C	T	CYP4A22
1	47606470	C	A	CYP4A22
1	47607785	G	A	CYP4A22
1	47607851	A	T	CYP4A22
1	47609489	T	C	CYP4A22
1	47610574	C	T	CYP4A22
1	47611765	G	A	CYP4A22
1	47614425	C	T	CYP4A22
1	47614434	C	T	CYP4A22
1	47650744	C	T	PDZK1IP1
1	47726087	T	C	STIL
1	47726135	T	C	STIL
1	47737769	C	T	STIL
1	47746675	C	G	STIL
1	47748129	G	A	STIL
1	47767914	G	A	STIL

1	47834209	G	T	<i>CMPK1</i>
1	47905161	T	A	<i>FOXD2</i>
1	48694997	G	A	<i>SLC5A9</i>
1	48695081	G	A	<i>SLC5A9</i>
1	48697733	T	G	<i>SLC5A9</i>
1	48698069	A	C	<i>SLC5A9</i>
1	48705078	G	A	<i>SLC5A9</i>
1	48708228	G	T	<i>SLC5A9</i>
1	48713100	C	A	<i>SLC5A9</i>
1	48764419	C	T	<i>SPATA6</i>
1	48825355	G	A	<i>SPATA6</i>
1	48865121	C	T	<i>SPATA6</i>
1	49005351	C	T	<i>AGBL4</i>
1	49511311	C	T	<i>AGBL4</i>
1	51204557	G	A	<i>FAF1</i>
1	51584465	C	T	<i>C1orf185</i>
1	51613245	C	A	<i>C1orf185</i>
1	51754619	T	C	<i>TTC39A</i>
1	51756228	C	G	<i>TTC39A</i>
1	51810687	G	A	<i>TTC39A</i>
1	51826921	T	C	<i>EPS15</i>
1	51860112	G	A	<i>EPS15</i>
1	51868160	C	G	<i>EPS15</i>
1	51871587	T	G	<i>EPS15</i>
1	51873967	G	A	<i>EPS15</i>
1	52231560	C	T	<i>OSBPL9</i>
1	52257317	T	A	<i>NRDC</i>
1	52269601	G	A	<i>NRDC</i>
1	52276000	T	C	<i>NRDC</i>
1	52498861	A	T	<i>KTI12</i>
1	52499071	GCCC GCCACC	-	<i>KTI12</i>
1	52499096	G	-	<i>KTI12</i>
1	52499099	C	T	<i>KTI12</i>
1	52520740	G	A	<i>TXNDC12</i>
1	52703288	C	T	<i>ZFYVE9</i>
1	52703355	C	T	<i>ZFYVE9</i>
1	52703491	G	C	<i>ZFYVE9</i>
1	52704153	G	A	<i>ZFYVE9</i>
1	52704789	C	G	<i>ZFYVE9</i>
1	52828384	A	G	<i>CC2D1B</i>
1	52838992	A	G	<i>ORC1</i>
1	52840559	C	T	<i>ORC1</i>
1	52849546	T	C	<i>ORC1</i>

1	52854961	G	A	ORC1
1	52859391	G	A	ORC1
1	52867839	C	G	ORC1
1	52896964	G	C	ZCCHC11
1	52940845	C	A	ZCCHC11
1	53108665	C	T	FAM159A
1	53122648	A	G	FAM159A
1	53153432	T	C	COA7
1	53158503	C	T	COA7
1	53323033	T	C	ZYG11A
1	53326421	A	G	ZYG11A
1	53347210	A	G	ZYG11A
1	53347270	A	T	ZYG11A
1	53370727	-	C	ECHDC2
1	53373560	C	T	ECHDC2
1	53532535	G	C	PODN
1	53535762	G	A	PODN
1	53541549	C	T	PODN
1	53544152	G	A	PODN
1	53544513	C	T	PODN
1	53544597	T	C	PODN
1	53553754	T	C	SLC1A7
1	53554565	C	T	SLC1A7
1	53569179	G	C	SLC1A7
1	53580452	C	T	SLC1A7
1	53600047	T	C	SLC1A7
1	53676448	G	A	CPT2
1	53679229	A	G	CPT2
1	53712727	C	T	LRP8
1	53792651	A	C	LRP8
1	53932322	A	G	DMRTB1
1	53974853	C	T	GLIS1
1	53980367	G	A	GLIS1
1	53980389	C	T	GLIS1
1	54060016	G	C	GLIS1
1	54060082	G	A	GLIS1
1	54060107	A	G	GLIS1
1	54060109	A	G	GLIS1
1	54060248	T	C	GLIS1
1	54238077	G	A	NDC1
1	54301186	T	C	NDC1
1	54337043	A	G	YIPF1
1	54417796	A	G	LRRC42

1	54423874	A	T	<i>LRRC42</i>
1	54433490	A	G	<i>LRRC42</i>
1	54474768	G	A	<i>LDLRAD1</i>
1	54483833	G	T	<i>LDLRAD1</i>
1	54511349	C	G	<i>TMEM59</i>
1	54518725	G	A	<i>TMEM59</i>
1	54534466	C	A	<i>TCEANC2</i>
1	54562010	C	G	<i>TCEANC2</i>
1	54605336	C	G	<i>CDCP2</i>
1	54644859	C	T	<i>CYB5RL</i>
1	54644899	C	G	<i>CYB5RL</i>
1	54661234	C	T	<i>CYB5RL</i>
1	54661262	C	T	<i>CYB5RL</i>
1	54666074	C	T	<i>MRPL37</i>
1	54681920	G	C	<i>MRPL37</i>
1	54722838	C	T	<i>SSBP3</i>
1	55014013	C	T	<i>ACOT11</i>
1	55050353	G	A	<i>ACOT11</i>
1	55060251	C	T	<i>ACOT11</i>
1	55064980	G	A	<i>ACOT11</i>
1	55067043	A	T	<i>ACOT11</i>
1	55070089	C	T	<i>ACOT11</i>
1	55072856	G	A	<i>ACOT11</i>
1	55072911	C	T	<i>ACOT11</i>
1	55075062	C	T	<i>FAM151A</i>
1	55075099	G	C	<i>FAM151A</i>
1	55075122	C	G	<i>FAM151A</i>
1	55075341	G	A	<i>FAM151A</i>
1	55075452	G	A	<i>FAM151A</i>
1	55076138	CACTCCACATT	-	<i>FAM151A</i>
1	55076155	G	-	<i>FAM151A</i>
1	55080475	C	T	<i>FAM151A</i>
1	55085608	C	T	<i>FAM151A</i>
1	55085648	C	T	<i>FAM151A</i>
1	55096434	G	A	<i>ACOT11</i>
1	55119144	A	G	<i>MROH7</i>
1	55119515	T	G	<i>MROH7</i>
1	55119534	C	T	<i>MROH7</i>
1	55119546	A	G	<i>MROH7</i>
1	55119702	T	C	<i>MROH7</i>
1	55134585	A	G	<i>MROH7</i>
1	55136529	T	C	<i>MROH7</i>
1	55139741	A	G	<i>MROH7</i>

1	55144466	A	G	MROH7
1	55161125	G	A	MROH7
1	55168366	G	A	MROH7
1	55172201	A	G	MROH7
1	55174729	G	A	MROH7
1	55223744	G	C	PARS2
1	55224131	T	C	PARS2
1	55224751	C	A	PARS2
1	55224773	A	C	PARS2
1	55248074	A	G	TTC22
1	55248105	C	A	TTC22
1	55266797	G	C	TTC22
1	55273580	G	T	LEXM
1	55279486	-	A	LEXM
1	55282731	C	G	LEXM
1	55307307	G	A	LEXM
1	55337168	G	A	DHCR24
1	55337283	C	T	DHCR24
1	55451872	G	A	TMEM61
1	55451915	C	T	TMEM61
1	55451968	G	A	TMEM61
1	55505553	CTG	-	PCSK9
1	55505555	-	CTGCTG	PCSK9
1	55505555	-	CTG	PCSK9
1	55505647	G	T	PCSK9
1	55505668	C	T	PCSK9
1	55529187	G	A	PCSK9
1	55541174	A	G	USP24
1	55548991	C	T	USP24
1	55560999	A	T	USP24
1	55625328	T	C	USP24
1	55638075	G	A	USP24
1	55643658	T	C	USP24
1	57207874	C	T	C1orf168
1	57219539	C	A	C1orf168
1	57224387	A	T	C1orf168
1	57252848	C	G	C1orf168
1	57254697	G	A	C1orf168
1	57254757	G	A	C1orf168
1	57333311	C	A	C8A
1	57341803	G	A	C8A
1	57351704	G	T	C8A
1	57373737	G	A	C8A

1	57378149	G	A	C8A
1	57378149	G	T	C8A
1	57383315	G	C	C8A
1	57383357	C	T	C8A
1	57383358	C	T	C8A
1	57395228	G	A	C8B
1	57397497	A	T	C8B
1	57409459	C	A	C8B
1	57415310	G	A	C8B
1	57422484	C	T	C8B
1	57422511	C	T	C8B
1	57489239	C	T	DAB1
1	57528562	C	G	DAB1
1	58971748	T	A	OMA1
1	58996320	C	A	OMA1
1	58999651	T	G	OMA1
1	58999853	T	C	OMA1
1	58999918	T	C	OMA1
1	59002282	A	C	OMA1
1	59004617	G	A	OMA1
1	59004762	G	A	OMA1
1	59041940	T	C	TACSTD2
1	59042181	G	T	TACSTD2
1	59042311	T	G	TACSTD2
1	59042388	C	G	TACSTD2
1	59148118	A	T	MYSM1
1	59148136	T	C	MYSM1
1	59787270	G	A	FGGY
1	59787350	T	G	FGGY
1	60019796	G	T	FGGY
1	60019853	C	T	FGGY
1	60073550	A	C	FGGY
1	60287549	C	T	HOOK1
1	60299125	A	G	HOOK1
1	60373592	C	T	CYP2J2
1	60466814	T	C	C1orf87
1	60505677	C	T	C1orf87
1	60505771	G	C	C1orf87
1	60505783	G	C	C1orf87
1	60506698	C	T	C1orf87
1	62253483	G	A	INADL
1	62257036	A	C	INADL
1	62261168	A	G	INADL

1	62267321	C	T	INADL
1	62330080	T	G	INADL
1	62380298	G	A	INADL
1	62380299	G	C	INADL
1	62456014	G	A	INADL
1	62516683	G	C	INADL
1	62579891	G	T	INADL
1	62582847	C	G	INADL
1	62614029	C	T	INADL
1	62672389	-	AACAGA	L1TD1
1	62672415	C	T	L1TD1
1	62672481	A	G	L1TD1
1	62675645	CCTCAGGGCTC-	-	L1TD1
1	62675654	TGGA	-	L1TD1
1	62675655	GGA	-	L1TD1
1	62676248	AACT	-	L1TD1
1	62676284	C	T	L1TD1
1	62703977	G	A	KANK4
1	62713224	C	G	KANK4
1	62728784	A	G	KANK4
1	62728838	T	C	KANK4
1	62728902	A	G	KANK4
1	62732421	T	C	KANK4
1	62734089	C	T	KANK4
1	62740264	T	C	KANK4
1	62915972	C	G	USP1
1	62916290	A	G	USP1
1	62916503	G	A	USP1
1	63063465	C	G	ANGPTL3
1	63085630	T	C	DOCK7
1	63299730	TG	-	ATG4C
1	63299751	A	C	ATG4C
1	63307121	A	G	ATG4C
1	63329777	G	T	ATG4C
1	63872032	T	C	ALG6
1	63881552	C	T	ALG6
1	63902524	C	G	ALG6
1	63999138	A	G	EFCAB7
1	63999826	C	T	EFCAB7
1	63999868	T	C	EFCAB7
1	64011657	A	G	EFCAB7
1	64017419	G	A	EFCAB7
1	64021096	G	A	EFCAB7

1	64027454	C	G	EFCAB7
1	64089400	A	T	PGM1
1	64097432	C	T	PGM1
1	64114301	T	C	PGM1
1	64643277	C	T	ROR1
1	65016302	C	G	CACHD1
1	65095158	G	C	CACHD1
1	65107563	A	G	CACHD1
1	65157120	C	G	CACHD1
1	65278472	C	T	RAVER2
1	65312368	C	T	JAK1
1	65831733	A	T	DNAJC6
1	65867519	G	A	DNAJC6
1	66036441	A	G	LEPR
1	66067110	G	A	LEPR
1	67109335	A	G	SGIP1
1	67236097	A	T	TCTEX1D1
1	67242087	G	A	TCTEX1D1
1	67243024	C	A	TCTEX1D1
1	67263817	C	G	INSL5
1	67266824	T	A	INSL5
1	67288045	C	T	WDR78
1	67390416	G	C	WDR78
1	67390438	C	T	WDR78
1	67390468	C	G	WDR78
1	67450263	T	C	MIER1
1	67450431	A	G	MIER1
1	67486114	C	T	SLC35D1
1	67518477	G	A	SLC35D1
1	67518534	C	T	SLC35D1
1	67558756	C	T	C1orf141
1	67558870	TCATT	-	C1orf141
1	67559041	T	C	C1orf141
1	67559267	G	C	C1orf141
1	67560956	C	T	C1orf141
1	67577276	A	C	C1orf141
1	67633812	G	T	IL23R
1	67635211	G	A	IL23R
1	67648596	G	A	IL23R
1	67666524	C	T	IL23R
1	67685387	T	C	IL23R
1	67705900	G	A	IL23R
1	67705958	G	A	IL23R

1	67792499	G	A	IL12RB2
1	67816701	C	T	IL12RB2
1	67833643	G	A	IL12RB2
1	67861350	T	A	IL12RB2
1	68512899	C	A	DIRAS3
1	68904660	A	C	RPE65
1	68910315	C	T	RPE65
1	70460304	A	G	LRRC7
1	70501827	T	G	LRRC7
1	70611540	T	C	LRRC40
1	70616830	T	C	LRRC40
1	70625071	G	A	LRRC40
1	70644596	G	A	LRRC40
1	70654870	C	T	LRRC40
1	70819802	C	T	ANKRD13C
1	70881670	C	T	CTH
1	70904800	G	T	CTH
1	71418662	G	-	PTGER3
1	71536574	G	C	ZRANB2
1	71873154	T	G	NEGR1
1	72748084	G	C	NEGR1
1	74506942	G	A	LRRIQ3
1	74507315	C	T	LRRIQ3
1	74507450	G	C	LRRIQ3
1	74621445	G	A	LRRIQ3
1	74648329	G	A	LRRIQ3
1	74648408	C	T	LRRIQ3
1	74670359	C	T	FPGT
1	74671074	C	T	FPGT
1	74671283	A	G	FPGT
1	74808620	G	C	FPGT
1	74808631	C	T	FPGT
1	74836076	G	C	FPGT
1	74929170	T	C	FPGT
1	75037007	C	G	ERICH3
1	75037858	CCT	-	ERICH3
1	75038228	A	C	ERICH3
1	75038603	C	T	ERICH3
1	75055419	T	C	ERICH3
1	75055552	G	C	ERICH3
1	75065441	C	T	ERICH3
1	75072513	C	T	ERICH3
1	75072554	G	A	ERICH3

1	75086463	C	G	<i>ERICH3</i>
1	75097426	G	C	<i>ERICH3</i>
1	75108727	C	T	<i>ERICH3</i>
1	75172042	C	T	<i>CRYZ</i>
1	75175886	T	C	<i>CRYZ</i>
1	75185057	C	T	<i>CRYZ</i>
1	75188902	C	T	<i>CRYZ</i>
1	75199023	A	C	<i>TYW3</i>
1	75214441	A	G	<i>TYW3</i>
1	75622741	C	T	<i>LHX8</i>
1	75684184	C	T	<i>SLC44A5</i>
1	75684979	C	T	<i>SLC44A5</i>
1	75688101	T	G	<i>SLC44A5</i>
1	75708628	G	C	<i>SLC44A5</i>
1	76198337	G	A	<i>ACADM</i>
1	76226846	A	G	<i>ACADM</i>
1	76262773	C	A	<i>MSH4</i>
1	76269439	G	A	<i>MSH4</i>
1	76269460	G	A	<i>MSH4</i>
1	76345823	A	G	<i>MSH4</i>
1	76378502	G	A	<i>MSH4</i>
1	76397972	C	T	<i>ASB17</i>
1	76878014	A	G	<i>ST6GALNAC3</i>
1	77093180	C	A	<i>ST6GALNAC3</i>
1	77334363	A	G	<i>ST6GALNAC5</i>
1	77685042	T	C	<i>PIGK</i>
1	78024345	-	TAT	<i>AK5</i>
1	78098003	A	T	<i>ZZZ3</i>
1	78098403	T	C	<i>ZZZ3</i>
1	78187783	T	C	<i>USP33</i>
1	78267163	G	C	<i>FAM73A</i>
1	78392446	G	A	<i>NEXN</i>
1	78511960	C	T	<i>GIPC2</i>
1	78585086	T	C	<i>GIPC2</i>
1	78958451	A	T	<i>PTGFR</i>
1	78958893	G	A	<i>PTGFR</i>
1	79002304	A	G	<i>PTGFR</i>
1	79093776	A	G	<i>IFI44L</i>
1	79093818	A	G	<i>IFI44L</i>
1	79093910	G	A	<i>IFI44L</i>
1	79095581	T	C	<i>IFI44L</i>
1	79101171	T	A	<i>IFI44L</i>
1	79102726	C	T	<i>IFI44L</i>

1	79115905	T	C	<i>IFI44</i>
1	79116169	C	T	<i>IFI44</i>
1	79125148	G	A	<i>IFI44</i>
1	79358827	G	T	<i>ADGRL4</i>
1	79404913	T	G	<i>ADGRL4</i>
1	79411968	C	A	<i>ADGRL4</i>
1	79412096	C	T	<i>ADGRL4</i>
1	82302695	G	A	<i>ADGRL2</i>
1	82409337	A	G	<i>ADGRL2</i>
1	82416040	C	T	<i>ADGRL2</i>
1	82417696	A	G	<i>ADGRL2</i>
1	82432184	G	T	<i>ADGRL2</i>
1	82456165	G	T	<i>ADGRL2</i>
1	82456585	G	A	<i>ADGRL2</i>
1	82456599	C	G	<i>ADGRL2</i>
1	84373276	G	A	<i>TLL7</i>
1	84417585	T	C	<i>TLL7</i>
1	84864256	G	C	<i>DNASE2B</i>
1	84867610	G	A	<i>DNASE2B</i>
1	84876680	T	C	<i>DNASE2B</i>
1	84944975	C	T	<i>RPF1</i>
1	84944978	G	A	<i>RPF1</i>
1	84944989	A	G	<i>RPF1</i>
1	84944992	A	T	<i>RPF1</i>
1	84948653	C	A	<i>RPF1</i>
1	84956035	G	A	<i>RPF1</i>
1	84956143	C	T	<i>RPF1</i>
1	84961108	G	A	<i>RPF1</i>
1	84991669	G	C	<i>SPATA1</i>
1	85009894	A	G	<i>SPATA1</i>
1	85014547	G	A	<i>SPATA1</i>
1	85020695	A	G	<i>CTBS</i>
1	85029077	C	T	<i>CTBS</i>
1	85029085	A	G	<i>CTBS</i>
1	85029489	T	A	<i>CTBS</i>
1	85113229	A	G	<i>SSX2IP</i>
1	85537631	C	G	<i>WDR63</i>
1	85559205	G	A	<i>WDR63</i>
1	85589842	A	G	<i>WDR63</i>
1	85594466	G	A	<i>WDR63</i>
1	85598679	-	A	<i>WDR63</i>
1	85624470	C	T	<i>SYDE2</i>
1	85624549	C	T	<i>SYDE2</i>

1	85624595	G	-	SYDE2
1	85624837	T	C	SYDE2
1	85647905	A	G	SYDE2
1	85648620	C	T	SYDE2
1	85655902	C	T	SYDE2
1	85655916	G	A	SYDE2
1	85655931	C	T	SYDE2
1	85666156	T	G	SYDE2
1	85733374	C	T	BCL10
1	85742023	C	A	BCL10
1	86048526	C	G	CYR61
1	86048579	C	T	CYR61
1	86173774	C	A	ZNHIT6
1	86196305	A	G	COL24A1
1	86200461	C	G	COL24A1
1	86200509	C	T	COL24A1
1	86435932	G	T	COL24A1
1	86488232	G	A	COL24A1
1	86499587	C	A	COL24A1
1	86512536	C	T	COL24A1
1	86557967	G	A	COL24A1
1	86590578	T	C	COL24A1
1	86591036	G	T	COL24A1
1	86622060	C	T	COL24A1
1	86820290	-	A	ODF2L
1	86822246	G	A	ODF2L
1	86824496	T	C	ODF2L
1	86834369	T	C	ODF2L
1	86842044	C	T	ODF2L
1	86848019	C	T	ODF2L
1	86891073	G	A	CLCA2
1	86894231	C	T	CLCA2
1	86900372	C	G	CLCA2
1	86904649	G	T	CLCA2
1	86905988	A	T	CLCA2
1	86909555	T	C	CLCA2
1	86909582	G	A	CLCA2
1	86916350	A	G	CLCA2
1	86939130	C	T	CLCA1
1	86952324	A	G	CLCA1
1	86954700	A	G	CLCA1
1	86959173	T	C	CLCA1
1	86959928	C	T	CLCA1

1	86961291	C	G	CLCA1
1	87031656	A	C	CLCA4
1	87041255	G	A	CLCA4
1	87045897	CCTACA	-	CLCA4
1	87045908	-	CCTACT	CLCA4
1	87185250	A	G	SH3GLB1
1	87570306	G	A	HS2ST1
1	89206774	G	A	PKN2
1	89250482	TCT	-	PKN2
1	89322983	T	A	GTF2B
1	89414776	A	T	CCBL2
1	89449218	G	A	RBMXL1
1	89473453	A	G	GBP3
1	89474818	A	G	GBP3
1	89479063	G	A	GBP3
1	89479074	C	T	GBP3
1	89480282	G	A	GBP3
1	89523756	G	T	GBP1
1	89523911	C	T	GBP1
1	89582690	G	C	GBP2
1	89582702	A	G	GBP2
1	89582914	G	A	GBP2
1	89587619	T	C	GBP2
1	89637578	G	A	GBP7
1	89652071	T	C	GBP4
1	89652072	C	T	GBP4
1	89652078	A	T	GBP4
1	89652087	C	T	GBP4
1	89652088	C	G	GBP4
1	89652090	T	G	GBP4
1	89652097	C	T	GBP4
1	89652102	A	T	GBP4
1	89658689	C	A	GBP4
1	89728437	G	A	GBP5
1	89729465	TC	-	GBP5
1	89729567	C	-	GBP5
1	89732759	-	AGTC	GBP5
1	89733172	G	A	GBP5
1	89834252	C	T	GBP6
1	89835209	G	A	GBP6
1	89844035	T	C	GBP6
1	89846152	C	T	GBP6
1	89847372	G	T	GBP6

1	89848276	TGTTCA	-	GBP6
1	89849742	A	T	GBP6
1	90049462	C	A	LRRC8B
1	90178743	A	G	LRRC8C
1	91180301	TCC	-	BARHL2
1	91403431	C	T	ZNF644
1	91404256	C	A	ZNF644
1	91404792	T	C	ZNF644
1	91406247	C	T	ZNF644
1	91782031	T	C	HFM1
1	91809014	C	T	HFM1
1	91841203	T	G	HFM1
1	91859801	A	G	HFM1
1	91967296	A	G	CDC7
1	91978666	A	G	CDC7
1	92161298	T	A	TGFBR3
1	92163646	G	A	TGFBR3
1	92163682	C	G	TGFBR3
1	92187652	A	G	TGFBR3
1	92200437	T	C	TGFBR3
1	92327034	T	C	TGFBR3
1	92327045	G	A	TGFBR3
1	92428495	C	A	BRDT
1	92441876	G	A	BRDT
1	92442695	A	C	BRDT
1	92445257	C	G	BRDT
1	92447228	AGC	-	BRDT
1	92457843	C	T	BRDT
1	92554283	G	A	BTBD8
1	92568089	A	G	BTBD8
1	92642962	A	G	KIAA1107
1	92647223	A	G	KIAA1107
1	92647250	C	T	KIAA1107
1	92647532	C	A	KIAA1107
1	92647636	T	G	KIAA1107
1	92647861	G	A	KIAA1107
1	92733511	A	G	GLMN
1	92754667	C	T	GLMN
1	92762982	A	C	GLMN
1	92846322	G	A	RPAP2
1	92979335	C	T	EVI5
1	93070934	C	T	EVI5
1	93073228	C	A	EVI5

1	93142746	G	A	<i>EVI5</i>
1	93160880	A	G	<i>EVI5</i>
1	93160902	T	C	<i>EVI5</i>
1	93580581	G	C	<i>MTF2</i>
1	93602364	G	A	<i>MTF2</i>
1	93620393	G	A	<i>TMED5</i>
1	93667516	-	A	<i>CCDC18</i>
1	93672723	A	C	<i>CCDC18</i>
1	93676478	A	C	<i>CCDC18</i>
1	93677792	C	A	<i>CCDC18</i>
1	93704952	A	G	<i>CCDC18</i>
1	93720070	C	G	<i>CCDC18</i>
1	93735934	A	T	<i>CCDC18</i>
1	93826178	A	T	<i>DR1</i>
1	94033042	G	A	<i>BCAR3</i>
1	94048153	T	C	<i>BCAR3</i>
1	94054627	G	A	<i>BCAR3</i>
1	94054750	C	T	<i>BCAR3</i>
1	94054790	C	T	<i>BCAR3</i>
1	94342061	C	T	<i>DNTTIP2</i>
1	94342564	C	A	<i>DNTTIP2</i>
1	94461717	C	A	<i>ABCA4</i>
1	94463617	C	T	<i>ABCA4</i>
1	94467548	C	G	<i>ABCA4</i>
1	94473287	G	A	<i>ABCA4</i>
1	94473807	C	T	<i>ABCA4</i>
1	94473846	G	A	<i>ABCA4</i>
1	94476377	C	T	<i>ABCA4</i>
1	94485278	C	T	<i>ABCA4</i>
1	94487404	C	T	<i>ABCA4</i>
1	94487490	A	G	<i>ABCA4</i>
1	94496039	C	T	<i>ABCA4</i>
1	94502756	G	A	<i>ABCA4</i>
1	94508969	G	A	<i>ABCA4</i>
1	94512565	C	T	<i>ABCA4</i>
1	94514466	T	C	<i>ABCA4</i>
1	94514477	G	A	<i>ABCA4</i>
1	94517254	C	G	<i>ABCA4</i>
1	94528774	C	T	<i>ABCA4</i>
1	94544234	T	C	<i>ABCA4</i>
1	94568675	T	C	<i>ABCA4</i>
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1	94639447	C	T	<i>ARHGAP29</i>

1	94645368	C	T	ARHGAP29
1	94930338	G	T	ABCD3
1	94996033	G	A	F3
1	94996062	C	T	F3
1	94998750	G	A	F3
1	95290119	G	A	SLC44A3
1	95330372	G	A	SLC44A3
1	95368998	T	C	CNN3
1	95538342	C	A	ALG14
1	95538424	C	T	ALG14
1	95699829	A	G	RWDD3
1	95709821	T	C	RWDD3
1	95709939	T	G	RWDD3
1	97547947	T	A	DPYD
1	97915614	C	T	DPYD
1	97981395	T	C	DPYD
1	97981421	C	T	DPYD
1	98144726	T	C	DPYD
1	98165091	T	C	DPYD
1	98348885	G	A	DPYD
1	99150610	G	A	SNX7
1	99161184	C	A	SNX7
1	99730100	C	T	PLPPR4
1	99771308	G	C	PLPPR4
1	100133249	G	C	PALMD
1	100154643	C	T	PALMD
1	100174670	C	T	FRRS1
1	100195237	G	A	FRRS1
1	100316589	A	G	AGL
1	100318245	T	G	AGL
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1	100349757	A	G	AGL
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1	100366260	T	A	AGL
1	100476986	G	C	SLC35A3
1	100546162	A	G	MFSD14A
1	100575933	G	A	SASS6
1	100575941	C	G	SASS6
1	100598744	C	T	TRMT13

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1	100598867	C	T	TRMT13
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1	100618006	TCT	-	LRRC39
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1	100672060	T	C	DBT
1	100681587	A	G	DBT
1	100740463	G	T	RTCA
1	100740505	G	C	RTCA
1	100928377	G	A	CDC14A
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1	100964667	A	G	CDC14A
1	101198111	C	G	VCAM1
1	101704577	C	G	S1PR1
1	102312412	G	A	OLFM3
1	103355059	G	T	COL11A1
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1	103381192	C	A	COL11A1
1	103428312	G	T	COL11A1
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1	108307727	T	A	VAV3
1	108507419	A	G	VAV3
1	109103124	A	G	FAM102B
1	109200108	C	T	HENMT1
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1	109242232	C	T	PRPF38B
1	109242392	A	G	PRPF38B
1	109260477	G	C	FNDC7
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1	109265029	G	T	FNDC7
1	109268441	G	A	FNDC7
1	109268573	T	C	FNDC7
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1	109366286	C	T	AKNAD1
1	109369915	G	T	AKNAD1
1	109377070	C	A	AKNAD1
1	109391662	G	C	AKNAD1
1	109394976	G	A	AKNAD1
1	109395105	C	T	AKNAD1
1	109440215	G	A	GPSM2
1	109446750	G	A	GPSM2
1	109461341	C	T	GPSM2
1	109465166	CTT	-	GPSM2
1	109477348	C	T	CLCC1
1	109477462	G	C	CLCC1
1	109479959	G	A	CLCC1
1	109479978	G	T	CLCC1
1	109482304	G	A	CLCC1
1	109486541	T	G	CLCC1
1	109538263	G	-	WDR47
1	109538263	GAG	-	WDR47
1	109538400	G	A	WDR47
1	109650660	C	T	C1orf194
1	109704525	C	T	KIAA1324
1	109707214	G	A	KIAA1324
1	109734349	G	A	KIAA1324
1	109735416	A	C	KIAA1324
1	109745618	T	C	KIAA1324
1	109779073	G	A	SARS
1	109793077	C	A	CELSR2
1	109793480	C	T	CELSR2
1	109793894	A	G	CELSR2
1	109794593	C	T	CELSR2
1	109795742	T	A	CELSR2
1	109801345	C	T	CELSR2
1	109801543	A	G	CELSR2
1	109803697	G	A	CELSR2
1	109805030	C	A	CELSR2
1	109805791	A	T	CELSR2
1	109806313	T	C	CELSR2
1	109808423	T	G	CELSR2
1	109808789	G	A	CELSR2
1	109810200	G	A	CELSR2
1	109811522	G	A	CELSR2
1	109811858	G	A	CELSR2
1	109815883	C	T	CELSR2

1	109816189	C	T	<i>CELSR2</i>
1	109823537	G	A	<i>PSRC1</i>
1	109824503	G	A	<i>PSRC1</i>
1	109837853	G	A	<i>MYBPHL</i>
1	109838918	C	T	<i>MYBPHL</i>
1	109839482	C	T	<i>MYBPHL</i>
1	109840125	G	A	<i>MYBPHL</i>
1	109840169	C	T	<i>MYBPHL</i>
1	109840832	G	A	<i>MYBPHL</i>
1	109878903	C	G	<i>SORT1</i>
1	109888432	T	C	<i>SORT1</i>
1	109910100	T	C	<i>SORT1</i>
1	110019439	A	G	<i>SYPL2</i>
1	110020621	A	G	<i>SYPL2</i>
1	110022074	-	CAGGGC	<i>SYPL2</i>
1	110029764	C	T	<i>ATXN7L2</i>
1	110038311	A	G	<i>CYB561D1</i>
1	110050180	C	T	<i>AMIGO1</i>
1	110151344	C	T	<i>GNAT2</i>
1	110152708	C	T	<i>GNAT2</i>
1	110163879	G	A	<i>AMPD2</i>
1	110200294	G	A	<i>GSTM4</i>
1	110260040	A	G	<i>GSTM5</i>
1	110279701	C	T	<i>GSTM3</i>
1	110282482	C	T	<i>GSTM3</i>
1	110293943	C	T	<i>EPS8L3</i>
1	110299691	G	A	<i>EPS8L3</i>
1	110300441	G	A	<i>EPS8L3</i>
1	110302392	A	T	<i>EPS8L3</i>
1	110302450	C	T	<i>EPS8L3</i>
1	110465874	C	T	<i>CSF1</i>
1	110466555	G	A	<i>CSF1</i>
1	110466709	T	C	<i>CSF1</i>
1	110709720	G	A	<i>SLC6A17</i>
1	110740918	A	G	<i>SLC6A17</i>
1	110765766	G	A	<i>KCNC4</i>
1	110766454	G	A	<i>KCNC4</i>
1	110766466	G	A	<i>KCNC4</i>
1	110884030	C	T	<i>RBM15</i>
1	110919703	A	C	<i>SLC16A4</i>
1	110921715	T	G	<i>SLC16A4</i>
1	110950277	G	A	<i>LAMTOR5</i>
1	110950295	C	A	<i>LAMTOR5</i>

1	110950355	G	A	LAMTOR5
1	110950439	C	T	LAMTOR5
1	111060247	A	G	KCNA10
1	111060649	T	C	KCNA10
1	111060752	C	T	KCNA10
1	111061360	T	C	KCNA10
1	111490837	C	T	LRIF1
1	111690455	C	T	CEPT1
1	111702020	A	G	CEPT1
1	111739856	C	T	DENND2D
1	111777575	A	G	CHI3L2
1	111778325	C	T	CHI3L2
1	111854889	A	G	CHIA
1	111854895	G	A	CHIA
1	111854938	G	T	CHIA
1	111857201	G	A	CHIA
1	111857208	G	A	CHIA
1	111861841	A	G	CHIA
1	111861974	T	C	CHIA
1	111862952	T	G	CHIA
1	111863044	G	A	CHIA
1	111891170	A	C	PIFO
1	111891192	C	A	PIFO
1	111957311	G	C	OVGP1
1	111957548	GGTCAGGGTC	-	OVGP1
1	111957548	GGTCAGGGTC	-	OVGP1
1	111957549	G	-	OVGP1
1	111957554	G	-	OVGP1
1	111957555	G	-	OVGP1
1	111957557	C	-	OVGP1
1	111957558	T	-	OVGP1
1	111957560	T	-	OVGP1
1	111957562	C	-	OVGP1
1	111957566	AGGGGTCACAC	-	OVGP1
1	111957566	AGGGGTCACAC	-	OVGP1
1	111957568	G	-	OVGP1
1	111957569	G	-	OVGP1
1	111957570	G	-	OVGP1
1	111957571	T	-	OVGP1
1	111957574	C	-	OVGP1
1	111957581	A	-	OVGP1
1	111957582	T	-	OVGP1
1	111957583	A	-	OVGP1

1	111957586	C	-	OVGP1
1	111957588	A	-	OVGP1
1	111957590	A	-	OVGP1
1	111957688	T	C	OVGP1
1	111957693	A	G	OVGP1
1	111962256	G	T	OVGP1
1	112018657	G	A	C1orf162
1	112029241	G	A	TMIGD3
1	112042732	A	T	ADORA3
1	112042787	T	G	ADORA3
1	112043018	C	T	ADORA3
1	112305578	ATG	-	DDX20
1	112308722	A	G	DDX20
1	112308782	C	G	DDX20
1	112308953	T	C	DDX20
1	112309123	C	A	DDX20
1	112309331	T	C	DDX20
1	112322852	T	C	KCND3
1	112999339	A	G	CTTNBP2NL
1	113098534	C	T	ST7L
1	113098598	T	C	ST7L
1	113134192	G	A	ST7L
1	113143420	T	C	ST7L
1	113159464	T	A	ST7L
1	113162494	G	A	CAPZA1
1	113162500	G	A	CAPZA1
1	113239422	G	A	MOV10
1	113240711	G	A	MOV10
1	113244187	C	T	RHOC
1	113252841	C	T	PPM1J
1	113252852	TTG	-	PPM1J
1	113254648	A	G	PPM1J
1	113255456	C	A	PPM1J
1	113456546	A	T	SLC16A1
1	113653035	G	A	LRIG2
1	113657233	T	G	LRIG2
1	113657262	C	T	LRIG2
1	113933675	A	G	MAGI3
1	114128161	C	G	MAGI3
1	114133195	T	C	MAGI3
1	114214380	C	T	MAGI3
1	114226143	G	A	MAGI3
1	114255975	G	T	PHTF1

1	114340502	C	T	<i>RSBN1</i>
1	114372214	C	G	<i>PTPN22</i>
1	114372222	T	C	<i>PTPN22</i>
1	114377568	A	G	<i>PTPN22</i>
1	114380914	G	T	<i>PTPN22</i>
1	114394689	C	T	<i>PTPN22</i>
1	114424601	C	T	<i>BCL2L15</i>
1	114438448	T	C	<i>AP4B1</i>
1	114438951	A	G	<i>AP4B1</i>
1	114442873	G	A	<i>AP4B1</i>
1	114442885	A	G	<i>AP4B1</i>
1	114454742	A	T	<i>DCLRE1B</i>
1	114514619	G	A	<i>HIPK1</i>
1	114523113	C	T	<i>OLFML3</i>
1	114523753	G	T	<i>OLFML3</i>
1	114680310	G	A	<i>SYT6</i>
1	114682286	G	A	<i>SYT6</i>
1	114682445	G	A	<i>SYT6</i>
1	114948281	A	G	<i>TRIM33</i>
1	115130508	A	G	<i>DENND2C</i>
1	115142870	G	A	<i>DENND2C</i>
1	115151492	G	C	<i>DENND2C</i>
1	115164554	C	T	<i>DENND2C</i>
1	115167939	A	G	<i>DENND2C</i>
1	115168068	C	A	<i>DENND2C</i>
1	115168097	T	C	<i>DENND2C</i>
1	115168440	T	G	<i>DENND2C</i>
1	115168480	A	C	<i>DENND2C</i>
1	115168600	A	T	<i>DENND2C</i>
1	115218260	A	T	<i>AMPD1</i>
1	115221116	C	A	<i>AMPD1</i>
1	115222237	T	A	<i>AMPD1</i>
1	115226899	C	A	<i>AMPD1</i>
1	115231254	G	A	<i>AMPD1</i>
1	115236057	G	A	<i>AMPD1</i>
1	115400087	A	G	<i>SYCP1</i>
1	115403368	C	T	<i>SYCP1</i>
1	115417175	A	G	<i>SYCP1</i>
1	115527364	C	T	<i>SYCP1</i>
1	115537367	A	C	<i>SYCP1</i>
1	115576023	A	G	<i>TSHB</i>
1	115829178	C	T	<i>NGF</i>
1	115829313	G	A	<i>NGF</i>

1	116202263	G	A	VANGL1
1	116206351	A	G	VANGL1
1	116275561	G	C	CASQ2
1	116310937	C	T	CASQ2
1	116310967	T	C	CASQ2
1	116534839	G	C	SLC22A15
1	116675909	A	G	MAB21L3
1	116937809	A	G	ATP1A1
1	117061887	T	C	CD58
1	117122130	T	C	IGSF3
1	117127417	C	T	IGSF3
1	117146542	C	T	IGSF3
1	117303069	C	T	CD2
1	117311147	C	A	CD2
1	117311391	C	T	CD2
1	117487607	A	G	PTGFRN
1	117509703	T	C	PTGFRN
1	117554216	G	A	CD101
1	117554352	C	T	CD101
1	117554421	A	G	CD101
1	117556165	G	A	CD101
1	117556307	C	T	CD101
1	117559893	G	T	CD101
1	117560036	G	A	CD101
1	117560058	C	G	CD101
1	117568217	G	A	CD101
1	117576522	A	T	CD101
1	117619362	G	A	TTF2
1	117619365	G	A	TTF2
1	117633170	G	A	TTF2
1	117635413	A	G	TTF2
1	117644058	A	G	TTF2
1	117656088	A	G	TRIM45
1	117659283	C	T	TRIM45
1	117659292	C	T	TRIM45
1	117660754	C	T	TRIM45
1	117663561	G	T	TRIM45
1	117695862	G	A	VTCN1
1	117753455	A	G	VTCN1
1	118065541	G	A	MAN1A2
1	118166331	A	G	FAM46C
1	118166379	G	A	FAM46C
1	118166385	G	A	FAM46C

1	118482149	C	T	WDR3
1	118483474	C	G	WDR3
1	118486119	A	G	WDR3
1	118506441	C	T	SPAG17
1	118509284	G	T	SPAG17
1	118516082	A	T	SPAG17
1	118535211	T	C	SPAG17
1	118548044	G	T	SPAG17
1	118565953	G	A	SPAG17
1	118609491	C	A	SPAG17
1	118617192	A	C	SPAG17
1	118628623	G	C	SPAG17
1	118629525	G	C	SPAG17
1	118644524	T	A	SPAG17
1	118657950	G	A	SPAG17
1	118657952	C	T	SPAG17
1	119427467	A	C	TBX15
1	119427839	C	T	TBX15
1	119469188	G	T	TBX15
1	119575679	T	A	WARS2
1	119575818	C	G	WARS2
1	119584950	T	C	WARS2
1	119683231	A	C	WARS2
1	119923751	G	A	HAO2
1	119925632	G	A	HAO2
1	119925645	T	A	HAO2
1	120165648	G	A	ZNF697
1	120286620	C	A	PHGDH
1	120345596	G	A	REG4
1	120379932	G	T	NBPF7
1	120381846	A	G	NBPF7
1	120384066	C	T	NBPF7
1	120436751	T	C	ADAM30
1	120437884	A	G	ADAM30
1	120438295	T	C	ADAM30
1	120438577	G	A	ADAM30
1	120458122	A	T	NOTCH2
1	120458270	G	C	NOTCH2
1	120459122	C	T	NOTCH2
1	120468201	A	T	NOTCH2
1	120469147	T	C	NOTCH2
1	120478125	A	C	NOTCH2
1	144864277	G	A	PDE4DIP

1	144866601	G	A	<i>PDE4DIP</i>
1	144866673	G	A	<i>PDE4DIP</i>
1	144866688	G	A	<i>PDE4DIP</i>
1	144881547	G	A	<i>PDE4DIP</i>
1	144881583	A	G	<i>PDE4DIP</i>
1	144918984	C	T	<i>PDE4DIP</i>
1	144930802	T	G	<i>PDE4DIP</i>
1	144931218	G	C	<i>PDE4DIP</i>
1	144931387	T	G	<i>PDE4DIP</i>
1	144931581	C	G	<i>PDE4DIP</i>
1	144994670	C	A	<i>PDE4DIP</i>
1	145415369	GAG	-	<i>HFE2</i>
1	145440086	C	T	<i>TXNIP</i>
1	145440446	G	A	<i>TXNIP</i>
1	145440991	G	A	<i>TXNIP</i>
1	145530939	C	T	<i>ITGA10</i>
1	145536012	G	A	<i>ITGA10</i>
1	145536082	G	A	<i>ITGA10</i>
1	145537455	G	A	<i>ITGA10</i>
1	145537513	C	A	<i>ITGA10</i>
1	145541479	G	T	<i>ITGA10</i>
1	145549328	C	G	<i>ANKRD35</i>
1	145555699	G	A	<i>ANKRD35</i>
1	145558910	G	A	<i>ANKRD35</i>
1	145561594	C	T	<i>ANKRD35</i>
1	145562087	G	A	<i>ANKRD35</i>
1	145562293	G	C	<i>ANKRD35</i>
1	145562503	G	A	<i>ANKRD35</i>
1	145562532	C	G	<i>ANKRD35</i>
1	145562938	G	A	<i>ANKRD35</i>
1	145563011	G	A	<i>ANKRD35</i>
1	145583938	C	G	<i>PIAS3</i>
1	145586672	TTTTA	-	<i>NUDT17</i>
1	145586679	C	-	<i>NUDT17</i>
1	145586839	C	G	<i>NUDT17</i>
1	145592762	G	-	<i>POLR3C</i>
1	145597025	C	T	<i>POLR3C</i>
1	145608556	C	T	<i>POLR3C</i>
1	145704167	C	T	<i>CD160</i>
1	146638152	C	T	<i>PRKAB2</i>
1	146656097	C	T	<i>FM05</i>
1	146656174	A	T	<i>FM05</i>
1	146658604	C	T	<i>FM05</i>

1	146736111	G	A	<i>CHD1L</i>
1	146740502	C	G	<i>CHD1L</i>
1	146758054	G	A	<i>CHD1L</i>
1	146759320	C	G	<i>CHD1L</i>
1	146759387	A	G	<i>CHD1L</i>
1	146765379	A	G	<i>CHD1L</i>
1	146767149	G	T	<i>CHD1L</i>
1	147090866	G	A	<i>BCL9</i>
1	147091972	C	T	<i>BCL9</i>
1	147092671	T	A	<i>BCL9</i>
1	147095727	C	A	<i>BCL9</i>
1	147096112	G	A	<i>BCL9</i>
1	147096153	G	A	<i>BCL9</i>
1	147119257	T	A	<i>ACP6</i>
1	147121977	C	T	<i>ACP6</i>
1	147126437	G	A	<i>ACP6</i>
1	147131553	T	C	<i>ACP6</i>
1	147131611	C	T	<i>ACP6</i>
1	147380467	G	A	<i>GJA8</i>
1	147380740	A	G	<i>GJA8</i>
1	147380823	T	G	<i>GJA8</i>
1	149858180	G	T	<i>HIST2H2BE</i>
1	149871994	G	C	<i>BOLA1</i>
1	149902342	C	T	<i>MTMR11</i>
1	149906167	T	G	<i>MTMR11</i>
1	149906413	T	C	<i>MTMR11</i>
1	149906999	C	G	<i>MTMR11</i>
1	149920922	C	A	<i>OTUD7B</i>
1	149943111	G	T	<i>OTUD7B</i>
1	150044250	T	G	<i>VPS45</i>
1	150049299	A	G	<i>VPS45</i>
1	150053494	C	T	<i>VPS45</i>
1	150123132	C	G	<i>PLEKHO1</i>
1	150131324	G	A	<i>PLEKHO1</i>
1	150195561	T	A	<i>ANP32E</i>
1	150199040	TCCTCT	-	<i>ANP32E</i>
1	150199040	T	-	<i>ANP32E</i>
1	150199041	C	-	<i>ANP32E</i>
1	150199044	CTTCCT	-	<i>ANP32E</i>
1	150230578	G	T	<i>CA14</i>
1	150259113	C	A	<i>CIART</i>
1	150429944	A	G	<i>RPRD2</i>
1	150443600	C	T	<i>RPRD2</i>

1	150443738	C	T	RPRD2
1	150443780	G	A	RPRD2
1	150470145	C	T	TARS2
1	150471093	C	T	TARS2
1	150482145	G	A	ECM1
1	150484844	A	T	ECM1
1	150484987	G	A	ECM1
1	150525425	G	A	ADAMTSL4
1	150526044	G	C	ADAMTSL4
1	150526226	CAGAGCCCAG(-		ADAMTSL4
1	150526231	C	-	ADAMTSL4
1	150526270	C	T	ADAMTSL4
1	150526393	G	A	ADAMTSL4
1	150526474	G	A	ADAMTSL4
1	150530531	C	G	ADAMTSL4
1	150530548	C	G	ADAMTSL4
1	150551327	G	A	MCL1
1	150598965	G	A	ENSA
1	150599849	C	T	ENSA
1	150620852	T	C	GOLPH3L
1	150636130	T	C	GOLPH3L
1	150722511	C	T	CTSS
1	150727539	G	A	CTSS
1	150737220	A	G	CTSS
1	150789864	A	C	ARNT
1	150789884	C	T	ARNT
1	150917624	G	T	SETDB1
1	150933468	C	T	SETDB1
1	150933600	C	T	SETDB1
1	150939281	C	T	CERS2
1	150956829	A	G	ANXA9
1	150958836	A	G	ANXA9
1	150960593	G	A	ANXA9
1	150970680	G	A	FAM63A
1	150973013	C	T	FAM63A
1	150974971	T	A	FAM63A
1	151006406	C	G	PRUNE
1	151006537	G	A	PRUNE
1	151009208	A	G	BNIP1
1	151011325	C	T	BNIP1
1	151015564	G	A	BNIP1
1	151015816	G	A	BNIP1
1	151015868	G	A	BNIP1

1	151020750	AGTC	-	<i>C1orf56</i>
1	151062957	G	A	<i>GABPB2</i>
1	151089885	G	C	<i>GABPB2</i>
1	151089888	A	C	<i>GABPB2</i>
1	151108137	T	G	<i>SEMA6C</i>
1	151110510	G	A	<i>SEMA6C</i>
1	151112483	T	C	<i>SEMA6C</i>
1	151115007	G	A	<i>SEMA6C</i>
1	151140732	G	A	<i>SCNM1</i>
1	151140742	C	T	<i>SCNM1</i>
1	151143016	T	C	<i>TMOD4</i>
1	151143970	G	C	<i>TMOD4</i>
1	151259113	G	A	<i>ZNF687</i>
1	151260148	G	C	<i>ZNF687</i>
1	151263677	-	ACA	<i>ZNF687</i>
1	151288780	T	G	<i>PI4KB</i>
1	151316324	C	T	<i>RFX5</i>
1	151337690	G	C	<i>SELENBP1</i>
1	151342263	C	T	<i>SELENBP1</i>
1	151374025	T	C	<i>PSMB4</i>
1	151377422	A	C	<i>POGZ</i>
1	151378842	G	A	<i>POGZ</i>
1	151491026	C	T	<i>CGN</i>
1	151491581	C	T	<i>CGN</i>
1	151497202	G	A	<i>CGN</i>
1	151502487	C	T	<i>CGN</i>
1	151503071	G	A	<i>CGN</i>
1	151506526	G	A	<i>CGN</i>
1	151512895	A	G	<i>TUFT1</i>
1	151534573	G	A	<i>TUFT1</i>
1	151542176	C	T	<i>TUFT1</i>
1	151638469	G	A	<i>SNX27</i>
1	151679660	G	A	<i>CELF3</i>
1	151733327	T	C	<i>MRPL9</i>
1	151733335	T	G	<i>MRPL9</i>
1	151735493	C	T	<i>MRPL9</i>
1	151735576	T	C	<i>MRPL9</i>
1	151735913	G	A	<i>MRPL9</i>
1	151748733	C	G	<i>TDRKH</i>
1	151748992	T	C	<i>TDRKH</i>
1	151751274	C	G	<i>TDRKH</i>
1	151774330	G	A	<i>LINGO4</i>
1	151774888	G	T	<i>LINGO4</i>

1	151783805	G	C	RORC
1	151787451	C	T	RORC
1	151820298	G	C	THEM5
1	151820324	T	C	THEM5
1	151955753	G	C	S100A10
1	152006266	G	A	S100A11
1	152060564	G	C	TCHHL1
1	152079989	T	G	TCHH
1	152080066	C	T	TCHH
1	152080820	C	G	TCHH
1	152081064	CTGGCGGGCGC,-	-	TCHH
1	152081105	G	-	TCHH
1	152081106	C	-	TCHH
1	152081108	G	-	TCHH
1	152081111	G	-	TCHH
1	152081921	G	C	TCHH
1	152082957	CTC	-	TCHH
1	152082957	C	-	TCHH
1	152083325	A	T	TCHH
1	152083745	C	T	TCHH
1	152084080	A	G	TCHH
1	152085023	C	A	TCHH
1	152127455	T	C	RPTN
1	152129066	TGGTGGGAATC-	-	RPTN
1	152129091	C	-	RPTN
1	152129253	C	T	RPTN
1	152129405	A	T	RPTN
1	152191658	C	A	HRNR
1	152191696	G	C	HRNR
1	152191709	C	G	HRNR
1	152192549	T	G	HRNR
1	152192555	T	C	HRNR
1	152192687	T	C	HRNR
1	152192825	C	T	HRNR
1	152192927	C	G	HRNR
1	152192978	T	C	HRNR
1	152193851	C	T	HRNR
1	152275403	C	T	FLG
1	152276772	C	A	FLG
1	152279642	G	C	FLG
1	152279729	C	T	FLG
1	152282267	G	A	FLG
1	152283568	T	C	FLG

1	152323132	G	T	FLG2
1	152326516	T	C	FLG2
1	152329435	C	T	FLG2
1	152329758	T	A	FLG2
1	152329852	C	T	FLG2
1	152331240	G	A	FLG2
1	152382120	C	T	CRNN
1	152382436	C	G	CRNN
1	152383244	A	G	CRNN
1	152384630	G	A	CRNN
1	152484129	G	A	LCE5A
1	152484260	A	T	LCE5A
1	152484300	G	A	LCE5A
1	152671399	C	G	LCE2A
1	152671436	G	A	LCE2A
1	152681603	A	G	LCE4A
1	152681680	-	AGCTCTGGGGC	LCE4A
1	152692074	G	C	C1orf68
1	152692472	A	C	C1orf68
1	152692512	G	A	C1orf68
1	152732174	T	C	KPRP
1	152732383	G	A	KPRP
1	152732567	G	A	KPRP
1	152733269	C	T	KPRP
1	152733301	T	A	KPRP
1	152733723	-	C	KPRP
1	152749026	-	CAGCTCTGGGGC	LCE1F
1	152749091	C	T	LCE1F
1	152856995	C	G	SMCP
1	152882610	A	G	IVL
1	152883088	A	C	IVL
1	152883711	G	C	IVL
1	152975941	C	G	SPRR3
1	153177184	A	G	LELP1
1	153233488	-	GGCGGT	LOR
1	153234299	G	A	LOR
1	153271621	G	A	PGLYRP3
1	153276449	T	C	PGLYRP3
1	153277491	A	G	PGLYRP3
1	153279576	C	T	PGLYRP3
1	153279596	C	T	PGLYRP3
1	153314153	C	A	PGLYRP4
1	153314170	-	T	PGLYRP4

1	153317723	T	C	PGLYRP4
1	153320372	T	G	PGLYRP4
1	153320401	G	A	PGLYRP4
1	153391729	G	A	S100A7A
1	153410777	A	G	S100A7L2
1	153410798	A	G	S100A7L2
1	153509890	T	C	S100A5
1	153520256	C	-	S100A3
1	153534027	C	T	S100A2
1	153587809	TGA	-	S100A14
1	153591448	T	G	S100A13
1	153600595	-	C	S100A13
1	153658297	G	A	NPR1
1	153662340	G	A	NPR1
1	153733358	C	G	INTS3
1	153734123	-	CTG	INTS3
1	153751869	G	T	SLC27A3
1	153784559	G	A	GATAD2B
1	153920692	G	A	CRTC2
1	153932932	C	T	SLC39A1
1	153941506	C	A	CREB3L4
1	153941514	C	T	CREB3L4
1	153941536	C	T	CREB3L4
1	153954646	C	T	RAB13
1	153955069	C	T	RAB13
1	153994647	C	T	NUP210L
1	154031134	C	A	NUP210L
1	154072601	G	A	NUP210L
1	154171909	TC	-	C1orf189
1	154184993	G	A	C1orf43
1	154293675	G	A	AQP10
1	154295592	C	T	AQP10
1	154296925	C	A	AQP10
1	154303963	A	G	ATP8B2
1	154309887	G	A	ATP8B2
1	154316453	C	T	ATP8B2
1	154408560	C	T	IL6R
1	154426970	A	C	IL6R
1	154427032	C	T	IL6R
1	154516477	G	A	TDRD10
1	154516578	G	A	TDRD10
1	154516944	C	T	TDRD10
1	154516983	G	A	TDRD10

1	154541950	C	T	<i>CHRN2</i>
1	154574541	G	C	<i>ADAR</i>
1	154574820	T	C	<i>ADAR</i>
1	154680507	A	G	<i>KCNN3</i>
1	154794649	A	T	<i>KCNN3</i>
1	154898899	C	T	<i>PMVK</i>
1	154901525	A	G	<i>PMVK</i>
1	154918522	C	T	<i>PBXIP1</i>
1	154919080	C	T	<i>PBXIP1</i>
1	154919209	C	T	<i>PBXIP1</i>
1	154920687	C	T	<i>PBXIP1</i>
1	154938662	T	C	<i>SHC1</i>
1	154938871	C	T	<i>SHC1</i>
1	154942911	G	A	<i>SHC1</i>
1	154960651	G	A	<i>FLAD1</i>
1	154987363	G	T	<i>ZBTB7B</i>
1	154987704	C	T	<i>ZBTB7B</i>
1	154991066	A	G	<i>DCST2</i>
1	154995909	C	T	<i>DCST2</i>
1	154996385	T	G	<i>DCST2</i>
1	155002634	G	A	<i>DCST2</i>
1	155013057	G	C	<i>DCST1</i>
1	155019710	A	C	<i>DCST1</i>
1	155028692	C	T	<i>ADAM15</i>
1	155030364	G	A	<i>ADAM15</i>
1	155030534	G	A	<i>ADAM15</i>
1	155030599	C	A	<i>ADAM15</i>
1	155039270	C	T	<i>EFNA4</i>
1	155057646	GGGGTGGGCC	-	<i>EFNA3</i>
1	155058663	G	A	<i>EFNA3</i>
1	155106227	A	T	<i>EFNA1</i>
1	155106439	G	A	<i>EFNA1</i>
1	155106446	G	A	<i>EFNA1</i>
1	155110693	G	T	<i>SLC50A1</i>
1	155148520	G	A	<i>TRIM46</i>
1	155150602	G	A	<i>TRIM46</i>
1	155160813	G	C	<i>MUC1</i>
1	155160941	C	T	<i>MUC1</i>
1	155166925	C	T	<i>THBS3</i>
1	155172725	T	C	<i>THBS3</i>
1	155178891	C	T	<i>MTX1</i>
1	155205634	T	C	<i>GBA</i>
1	155218011	G	A	<i>FAM189B</i>

1	155224596	G	-	<i>FAM189B</i>
1	155224596	G	-	<i>FAM189B</i>
1	155230432	G	A	<i>SCAMP3</i>
1	155231927	C	T	<i>SCAMP3</i>
1	155240714	G	T	<i>CLK2</i>
1	155247587	A	G	<i>HCN3</i>
1	155255673	G	A	<i>HCN3</i>
1	155257018	A	G	<i>HCN3</i>
1	155257818	C	T	<i>HCN3</i>
1	155260382	C	T	<i>PKLR</i>
1	155261649	C	T	<i>PKLR</i>
1	155279722	C	T	<i>FDPS</i>
1	155290261	T	A	<i>FDPS</i>
1	155291050	C	T	<i>RUSC1</i>
1	155295681	C	T	<i>RUSC1</i>
1	155317682	C	T	<i>ASH1L</i>
1	155408635	T	C	<i>ASH1L</i>
1	155408644	G	A	<i>ASH1L</i>
1	155447818	T	C	<i>ASH1L</i>
1	155450838	C	T	<i>ASH1L</i>
1	155452072	G	A	<i>ASH1L</i>
1	155629483	C	G	<i>YY1AP1</i>
1	155679584	G	A	<i>DAP3</i>
1	155691351	C	A	<i>DAP3</i>
1	155707955	AGA	-	<i>DAP3</i>
1	155734742	A	G	<i>GON4L</i>
1	155735012	T	C	<i>GON4L</i>
1	155735887	T	G	<i>GON4L</i>
1	155746245	G	C	<i>GON4L</i>
1	155837865	G	C	<i>SYT11</i>
1	155880573	C	G	<i>RIT1</i>
1	155911517	C	A	<i>RXFP4</i>
1	155911589	C	T	<i>RXFP4</i>
1	156011444	T	C	<i>UBQLN4</i>
1	156035717	A	G	<i>RAB25</i>
1	156039980	C	G	<i>RAB25</i>
1	156046583	G	A	<i>MEX3A</i>
1	156108510	C	T	<i>LMNA</i>
1	156144893	G	C	<i>SEMA4A</i>
1	156146546	C	T	<i>SEMA4A</i>
1	156146640	G	A	<i>SEMA4A</i>
1	156202173	A	G	<i>PMF1</i>
1	156206121	G	A	<i>PMF1</i>

1	156206155	C	T	PMF1
1	156206156	G	A	PMF1
1	156206158	C	T	PMF1
1	156206181	C	T	PMF1
1	156212360	T	C	PMF1
1	156213695	C	T	PAQR6
1	156213921	C	T	PAQR6
1	156214601	G	A	PAQR6
1	156235800	G	A	SMG5
1	156237315	T	C	SMG5
1	156255396	C	T	TMEM79
1	156255448	A	G	TMEM79
1	156256257	G	A	TMEM79
1	156263940	T	C	GLMP
1	156264000	G	A	GLMP
1	156264339	G	T	GLMP
1	156264648	C	T	GLMP
1	156280971	G	A	CCT3
1	156290656	T	C	CCT3
1	156314440	T	G	TSACC
1	156347121	G	A	RHBG
1	156347131	G	A	RHBG
1	156347147	C	G	RHBG
1	156347834	T	A	RHBG
1	156348148	C	T	RHBG
1	156351213	C	T	RHBG
1	156351699	G	A	RHBG
1	156352648	G	C	RHBG
1	156437912	C	A	MEF2D
1	156507025	C	T	IQGAP3
1	156514261	G	A	IQGAP3
1	156518379	G	A	IQGAP3
1	156518433	C	T	IQGAP3
1	156521765	C	T	IQGAP3
1	156526387	C	G	IQGAP3
1	156526444	T	C	IQGAP3
1	156551248	G	A	TTC24
1	156553142	G	C	TTC24
1	156553232	C	-	TTC24
1	156555764	C	G	TTC24
1	156563805	G	A	APOA1BP
1	156565049	-	AC	GPATCH4
1	156616814	C	G	BCAN

1	156621311	G	A	BCAN
1	156622252	G	A	BCAN
1	156626796	G	T	BCAN
1	156628909	C	A	BCAN
1	156639767	G	C	NES
1	156640156	G	A	NES
1	156640469	C	T	NES
1	156640505	C	T	NES
1	156640678	G	A	NES
1	156640933	C	T	NES
1	156641537	C	T	NES
1	156696916	G	A	ISG20L2
1	156696974	C	G	ISG20L2
1	156697056	T	C	ISG20L2
1	156705593	G	C	RRNAD1
1	156713558	G	A	HDGF
1	156721861	G	A	HDGF
1	156737969	C	T	PRCC
1	156761540	C	A	PRCC
1	156784982	T	C	SH2D2A
1	156786487	A	T	SH2D2A
1	156814027	G	A	INSRR
1	156816461	G	A	INSRR
1	156823801	G	T	INSRR
1	156851382	G	A	NTRK1
1	156876492	C	T	PEAR1
1	156877457	T	C	PEAR1
1	156878044	G	A	PEAR1
1	156879633	T	C	PEAR1
1	156883215	C	A	PEAR1
1	156883493	G	A	PEAR1
1	156883546	A	G	PEAR1
1	156883746	G	T	PEAR1
1	156890672	T	C	LRRC71
1	156894486	C	T	LRRC71
1	156900320	G	C	LRRC71
1	156902311	G	A	LRRC71
1	156907081	T	C	ARHGEF11
1	156907096	A	G	ARHGEF11
1	156907115	T	C	ARHGEF11
1	156911718	C	T	ARHGEF11
1	156928576	C	T	ARHGEF11
1	156933019	G	C	ARHGEF11

1	157062575	T	C	ETV3L
1	157062739	C	G	ETV3L
1	157067699	T	C	ETV3L
1	157067719	G	C	ETV3L
1	157069261	A	C	ETV3L
1	157485429	C	G	FCRL5
1	157485504	G	A	FCRL5
1	157504466	T	C	FCRL5
1	157509005	A	G	FCRL5
1	157509025	C	T	FCRL5
1	157514091	C	T	FCRL5
1	157514097	A	G	FCRL5
1	157516861	C	T	FCRL5
1	157559122	C	T	FCRL4
1	157566136	G	A	FCRL4
1	157648543	T	C	FCRL3
1	157653034	C	T	FCRL3
1	157666027	G	T	FCRL3
1	157666076	C	T	FCRL3
1	157667647	G	A	FCRL3
1	157668390	T	C	FCRL3
1	157738309	G	T	FCRL2
1	157738374	G	C	FCRL2
1	157739773	G	A	FCRL2
1	157739860	G	A	FCRL2
1	157765901	T	G	FCRL1
1	157765932	C	T	FCRL1
1	157768030	G	C	FCRL1
1	157771966	T	C	FCRL1
1	157772175	G	A	FCRL1
1	157789820	G	A	FCRL1
1	157804260	G	A	CD5L
1	157805650	A	T	CD5L
1	157805673	C	A	CD5L
1	158045965	G	A	KIRREL
1	158225019	C	G	CD1A
1	158262619	G	T	CD1C
1	158299688	A	T	CD1B
1	158299692	C	T	CD1B
1	158299840	C	T	CD1B
1	158300604	C	T	CD1B
1	158324425	A	G	CD1E
1	158368392	C	T	OR10T2

1	158368541	A	G	OR10T2
1	158368794	A	G	OR10T2
1	158368846	T	C	OR10T2
1	158368964	C	T	OR10T2
1	158368974	A	G	OR10T2
1	158369064	A	G	OR10T2
1	158369105	C	T	OR10T2
1	158435572	C	T	OR10K1
1	158435928	G	A	OR10K1
1	158449749	A	G	OR10R2
1	158450142	C	T	OR10R2
1	158450238	G	A	OR10R2
1	158450314	A	G	OR10R2
1	158450551	C	T	OR10R2
1	158516967	A	G	OR6Y1
1	158517099	C	A	OR6Y1
1	158517142	C	T	OR6Y1
1	158517442	C	T	OR6Y1
1	158517471	G	A	OR6Y1
1	158517543	A	T	OR6Y1
1	158532597	G	T	OR6P1
1	158532607	C	T	OR6P1
1	158532614	G	A	OR6P1
1	158533171	T	C	OR6P1
1	158549151	A	C	OR10X1
1	158549277	C	T	OR10X1
1	158549421	G	A	OR10X1
1	158549449	C	A	OR10X1
1	158549492	C	T	OR10X1
1	158549511	A	G	OR10X1
1	158576325	T	G	OR10Z1
1	158576973	A	G	OR10Z1
1	158582637	C	A	SPTA1
1	158584091	A	G	SPTA1
1	158589105	T	C	SPTA1
1	158589121	G	A	SPTA1
1	158592847	G	A	SPTA1
1	158592901	C	G	SPTA1
1	158597507	G	C	SPTA1
1	158604391	T	C	SPTA1
1	158605757	C	T	SPTA1
1	158607935	T	G	SPTA1
1	158612236	A	G	SPTA1

1	158612645	T	C	SPTA1
1	158619728	A	C	SPTA1
1	158622275	C	G	SPTA1
1	158626382	G	A	SPTA1
1	158627464	C	T	SPTA1
1	158627472	G	T	SPTA1
1	158631106	G	C	SPTA1
1	158637704	C	T	SPTA1
1	158637728	T	C	SPTA1
1	158639328	C	T	SPTA1
1	158648210	T	C	SPTA1
1	158648228	C	T	SPTA1
1	158648324	C	T	SPTA1
1	158654970	A	T	SPTA1
1	158669771	AG	-	OR6K2
1	158687163	G	A	OR6K3
1	158687619	C	G	OR6K3
1	158687896	C	T	OR6K3
1	158724650	T	A	OR6K6
1	158724811	G	A	OR6K6
1	158735691	T	C	OR6N1
1	158735740	A	G	OR6N1
1	158735892	A	G	OR6N1
1	158735905	T	G	OR6N1
1	158736388	G	A	OR6N1
1	158746678	T	C	OR6N2
1	158747043	C	G	OR6N2
1	158813875	C	T	MNDA
1	158819011	C	T	MNDA
1	158908886	C	T	PYHIN1
1	158943483	G	A	PYHIN1
1	158985673	G	A	IFI16
1	158985706	G	A	IFI16
1	158986477	G	C	IFI16
1	159002377	C	A	IFI16
1	159002389	T	A	IFI16
1	159015250	C	T	IFI16
1	159021506	C	T	IFI16
1	159024668	A	T	IFI16
1	159043196	C	T	AIM2
1	159163314	C	T	CADM3
1	159175354	G	A	ACKR1
1	159175494	C	T	ACKR1

1	159175527	G	A	ACKR1
1	159273943	G	A	FCER1A
1	159275786	C	G	FCER1A
1	159277689	C	A	FCER1A
1	159277709	C	T	FCER1A
1	159283494	T	C	OR10J3
1	159409669	G	A	OR10J1
1	159409734	G	T	OR10J1
1	159409757	T	C	OR10J1
1	159505101	G	A	OR10J5
1	159505397	A	G	OR10J5
1	159750990	C	G	DUSP23
1	159752046	A	T	DUSP23
1	159752066	G	A	DUSP23
1	159778115	C	T	FCRL6
1	159778798	C	T	FCRL6
1	159785370	T	C	FCRL6
1	159785413	C	T	FCRL6
1	159785425	A	G	FCRL6
1	159799910	G	A	SLAMF8
1	159802683	G	A	SLAMF8
1	159803114	A	G	SLAMF8
1	159810939	C	T	C1orf204
1	159824967	G	C	C1orf204
1	159825833	C	T	VSIG8
1	159827606	G	A	VSIG8
1	159828613	C	T	VSIG8
1	159854251	T	C	CFAP45
1	159856388	C	T	CFAP45
1	159863011	C	T	CFAP45
1	159863028	C	T	CFAP45
1	159899444	GCG	-	IGSF9
1	159899462	C	A	IGSF9
1	159902414	C	G	IGSF9
1	159902438	G	A	IGSF9
1	159906278	C	T	IGSF9
1	159923111	T	G	SLAMF9
1	160000380	T	C	PIGM
1	160000435	A	T	PIGM
1	160011512	G	A	KCNJ10
1	160123000	G	A	ATP1A4
1	160125859	G	A	ATP1A4
1	160133955	G	A	ATP1A4

1	160134012	C	T	<i>ATP1A4</i>
1	160134056	G	A	<i>ATP1A4</i>
1	160134114	C	T	<i>ATP1A4</i>
1	160141161	A	G	<i>ATP1A4</i>
1	160141491	C	T	<i>ATP1A4</i>
1	160143962	G	C	<i>ATP1A4</i>
1	160160671	G	A	<i>CASQ1</i>
1	160160801	T	C	<i>CASQ1</i>
1	160162591	G	C	<i>CASQ1</i>
1	160164827	T	C	<i>CASQ1</i>
1	160252826	G	A	<i>PEX19</i>
1	160254899	C	T	<i>PEX19</i>
1	160323977	A	T	<i>NCSTN</i>
1	160390242	A	G	<i>VANGL2</i>
1	160580549	G	T	<i>SLAMF1</i>
1	160651021	G	A	<i>CD48</i>
1	160654758	C	G	<i>CD48</i>
1	160719843	A	C	<i>SLAMF7</i>
1	160720143	G	T	<i>SLAMF7</i>
1	160721161	G	A	<i>SLAMF7</i>
1	160721162	A	G	<i>SLAMF7</i>
1	160769690	G	A	<i>LY9</i>
1	160783557	C	A	<i>LY9</i>
1	160786549	A	G	<i>LY9</i>
1	160806019	C	G	<i>CD244</i>
1	160811374	C	G	<i>CD244</i>
1	160811488	T	C	<i>CD244</i>
1	160846458	C	G	<i>ITLN1</i>
1	160851826	A	T	<i>ITLN1</i>
1	160915019	C	T	<i>ITLN2</i>
1	160917765	T	C	<i>ITLN2</i>
1	160922421	T	G	<i>ITLN2</i>
1	160970427	C	T	<i>F11R</i>
1	160970508	G	A	<i>F11R</i>
1	161017761	C	T	<i>ARHGAP30</i>
1	161018268	T	C	<i>ARHGAP30</i>
1	161018896	C	T	<i>ARHGAP30</i>
1	161019039	A	G	<i>ARHGAP30</i>
1	161019040	G	C	<i>ARHGAP30</i>
1	161021491	C	T	<i>ARHGAP30</i>
1	161023074	T	C	<i>ARHGAP30</i>
1	161049499	G	A	<i>PVRL4</i>
1	161049509	G	T	<i>PVRL4</i>

1	161049662	A	G	PVRL4
1	161069544	G	A	KLHDC9
1	161088583	T	G	NIT1
1	161130701	C	T	USP21
1	161130701	C	G	USP21
1	161132777	G	A	USP21
1	161132821	C	A	USP21
1	161138933	C	G	PPOX
1	161139738	G	A	PPOX
1	161161016	G	A	ADAMTS4
1	161161284	G	C	ADAMTS4
1	161163037	T	C	ADAMTS4
1	161167981	C	T	ADAMTS4
1	161168189	C	T	ADAMTS4
1	161180482	G	A	NDUFS2
1	161182208	C	G	NDUFS2
1	161183191	C	G	NDUFS2
1	161185124	G	A	FCER1G
1	161254246	A	G	PCP4L1
1	161335414	G	A	CFAP126
1	161476204	C	T	FCGR2A
1	161476205	A	G	FCGR2A
1	161495463	G	A	HSPA6
1	161495497	A	G	HSPA6
1	161683136	G	A	FCRLA
1	161693199	C	T	FCRLB
1	161697077	A	T	FCRLB
1	161697149	G	T	FCRLB
1	161697319	G	A	FCRLB
1	161736197	G	T	ATF6
1	161736209	T	C	ATF6
1	161751741	A	G	ATF6
1	161761276	G	C	ATF6
1	161761312	C	T	ATF6
1	161771986	C	T	ATF6
1	161967681	A	G	OLFML2B
1	161969986	G	A	OLFML2B
1	161970046	A	G	OLFML2B
1	161976172	T	C	OLFML2B
1	161989891	G	A	OLFML2B
1	161993192	T	C	OLFML2B
1	162270463	G	A	NOS1AP
1	162343861	C	T	C1orf111

1	162343974	C	T	<i>C1orf111</i>
1	162351752	C	A	<i>C1orf226</i>
1	162367103	G	T	<i>SH2D1B</i>
1	162482366	G	C	<i>UHMK1</i>
1	162557419	A	G	<i>UAP1</i>
1	162557457	A	G	<i>UAP1</i>
1	162760622	G	C	<i>HSD17B7</i>
1	162824862	C	A	<i>CCDC190</i>
1	162825457	C	A	<i>CCDC190</i>
1	163117163	C	T	<i>RGS5</i>
1	163298037	T	C	<i>NUF2</i>
1	163307846	G	A	<i>NUF2</i>
1	163313539	C	T	<i>NUF2</i>
1	164529120	G	A	<i>PBX1</i>
1	165513935	C	G	<i>LRRC52</i>
1	165532948	C	T	<i>LRRC52</i>
1	165533023	C	A	<i>LRRC52</i>
1	165634302	T	C	<i>ALDH9A1</i>
1	165634336	C	T	<i>ALDH9A1</i>
1	165649851	C	G	<i>ALDH9A1</i>
1	165667770	G	C	<i>ALDH9A1</i>
1	165667795	T	G	<i>ALDH9A1</i>
1	166810264	G	A	<i>POGK</i>
1	166815934	G	A	<i>POGK</i>
1	166818310	G	C	<i>POGK</i>
1	166829522	C	T	<i>TADA1</i>
1	166905927	C	T	<i>ILDR2</i>
1	166958710	T	G	<i>MAEL</i>
1	166961995	G	A	<i>MAEL</i>
1	166990359	A	G	<i>MAEL</i>
1	167025050	G	A	<i>GPA33</i>
1	167086718	G	A	<i>DUSP27</i>
1	167095163	G	C	<i>DUSP27</i>
1	167095765	G	A	<i>DUSP27</i>
1	167095881	G	A	<i>DUSP27</i>
1	167096337	A	G	<i>DUSP27</i>
1	167096931	A	C	<i>DUSP27</i>
1	167096961	C	T	<i>DUSP27</i>
1	167096982	A	G	<i>DUSP27</i>
1	167097567	G	A	<i>DUSP27</i>
1	167097739	C	A	<i>DUSP27</i>
1	167358837	A	G	<i>POU2F1</i>
1	167384979	T	C	<i>POU2F1</i>

1	167654670	A	G	RCSD1
1	167780071	C	T	ADCY10
1	167787479	T	C	ADCY10
1	167814905	C	G	ADCY10
1	167814913	G	T	ADCY10
1	167825485	T	C	ADCY10
1	167825532	G	A	ADCY10
1	167844413	A	G	ADCY10
1	167865871	G	A	ADCY10
1	167905024	T	C	MPC2
1	167905028	C	T	MPC2
1	167962499	G	T	DCAF6
1	168013850	T	C	DCAF6
1	168013876	G	A	DCAF6
1	168014204	T	A	DCAF6
1	168698208	A	T	DPT
1	169102044	-	AAGT	NME7
1	169272413	T	C	NME7
1	169279239	T	C	NME7
1	169345868	A	G	BLZF1
1	169346051	C	G	BLZF1
1	169347686	G	A	BLZF1
1	169349811	G	A	BLZF1
1	169349823	G	A	BLZF1
1	169390761	C	T	CCDC181
1	169483561	T	C	F5
1	169484767	A	G	F5
1	169497306	G	A	F5
1	169498975	T	C	F5
1	169499020	G	C	F5
1	169500178	G	C	F5
1	169509739	T	G	F5
1	169510118	G	A	F5
1	169510139	G	A	F5
1	169511555	T	C	F5
1	169511585	T	A	F5
1	169511734	T	C	F5
1	169511755	T	C	F5
1	169511878	T	G	F5
1	169519112	C	T	F5
1	169521853	A	G	F5
1	169541513	C	G	F5
1	169564037	C	T	SELP

1	169565346	C	A	<i>SELP</i>
1	169566313	C	T	<i>SELP</i>
1	169578921	G	A	<i>SELP</i>
1	169580885	C	T	<i>SELP</i>
1	169580892	-	TT	<i>SELP</i>
1	169673838	G	A	<i>SELL</i>
1	169676486	A	G	<i>SELL</i>
1	169677923	G	C	<i>SELL</i>
1	169695870	G	A	<i>SELE</i>
1	169696946	G	A	<i>SELE</i>
1	169698442	G	T	<i>SELE</i>
1	169698643	T	G	<i>SELE</i>
1	169701060	T	G	<i>SELE</i>
1	169761884	C	T	<i>METTLL18</i>
1	169761910	G	C	<i>METTLL18</i>
1	169762613	G	A	<i>METTLL18</i>
1	169799880	G	T	<i>C1orf112</i>
1	169806228	G	A	<i>C1orf112</i>
1	169820962	G	A	<i>C1orf112</i>
1	169821055	A	C	<i>C1orf112</i>
1	169822088	G	C	<i>C1orf112</i>
1	169823790	C	G	<i>SCYL3</i>
1	169831884	C	T	<i>SCYL3</i>
1	169845195	A	G	<i>SCYL3</i>
1	169953815	A	C	<i>KIFAP3</i>
1	170115300	G	C	<i>METTLL11B</i>
1	170135693	A	G	<i>METTLL11B</i>
1	170135760	T	C	<i>METTLL11B</i>
1	170136672	G	A	<i>METTLL11B</i>
1	170521376	G	A	<i>GORAB</i>
1	170927615	A	G	<i>MROH9</i>
1	170928671	T	C	<i>MROH9</i>
1	170952652	C	A	<i>MROH9</i>
1	170961360	G	A	<i>MROH9</i>
1	170967395	G	A	<i>MROH9</i>
1	170993566	C	G	<i>MROH9</i>
1	171033252	T	C	<i>MROH9</i>
1	171076952	C	T	<i>FMO3</i>
1	171076966	G	A	<i>FMO3</i>
1	171077274	G	T	<i>FMO3</i>
1	171080080	G	A	<i>FMO3</i>
1	171083242	A	G	<i>FMO3</i>
1	171085386	G	T	<i>FMO3</i>

1	171227216	T	C	<i>FM01</i>
1	171254471	G	A	<i>FM01</i>
1	171301882	T	A	<i>FM04</i>
1	171303690	T	C	<i>FM04</i>
1	171303836	G	A	<i>FM04</i>
1	171501603	C	G	<i>PRRC2C</i>
1	171504600	A	G	<i>PRRC2C</i>
1	171505241	C	A	<i>PRRC2C</i>
1	171509327	G	A	<i>PRRC2C</i>
1	171509414	C	G	<i>PRRC2C</i>
1	171510055	A	G	<i>PRRC2C</i>
1	171510707	C	G	<i>PRRC2C</i>
1	171514731	C	G	<i>PRRC2C</i>
1	171527237	A	G	<i>PRRC2C</i>
1	171535926	A	G	<i>PRRC2C</i>
1	171553625	A	G	<i>PRRC2C</i>
1	171557600	A	G	<i>PRRC2C</i>
1	171605387	T	C	<i>MYOC</i>
1	171605478	G	A	<i>MYOC</i>
1	171605702	G	T	<i>MYOC</i>
1	171621312	C	T	<i>MYOC</i>
1	171621525	C	T	<i>MYOC</i>
1	171753039	A	G	<i>METTL13</i>
1	172410967	G	A	<i>PIGC</i>
1	172411087	G	A	<i>PIGC</i>
1	172422206	C	A	<i>C1orf105</i>
1	172422244	G	A	<i>C1orf105</i>
1	172431333	A	G	<i>C1orf105</i>
1	172431386	G	A	<i>C1orf105</i>
1	172437592	G	A	<i>C1orf105</i>
1	172501643	T	C	<i>SUCO</i>
1	172526866	T	G	<i>SUCO</i>
1	172526875	G	A	<i>SUCO</i>
1	172548377	T	C	<i>SUCO</i>
1	172558838	AAG	-	<i>SUCO</i>
1	172571343	A	G	<i>SUCO</i>
1	173010539	TG	-	<i>TNFSF18</i>
1	173020073	A	T	<i>TNFSF18</i>
1	173472465	G	A	<i>SLC9C2</i>
1	173516871	G	C	<i>SLC9C2</i>
1	173594022	C	T	<i>ANKRD45</i>
1	173596257	A	T	<i>ANKRD45</i>
1	173743488	G	A	<i>KLHL20</i>

1	173823011	C	A	DARS2
1	173873176	C	A	SERPINC1
1	173915909	G	C	RC3H1
1	173915951	C	T	RC3H1
1	173916689	C	T	RC3H1
1	173930928	G	C	RC3H1
1	173930949	G	A	RC3H1
1	173952711	A	G	RC3H1
1	174219724	A	G	RABGAP1L
1	174959116	A	C	RABGAP1L
1	175046762	G	A	TNN
1	175046789	A	G	TNN
1	175046826	G	A	TNN
1	175046835	C	T	TNN
1	175049379	G	A	TNN
1	175054626	G	T	TNN
1	175087729	T	C	TNN
1	175092631	A	C	TNN
1	175097264	C	T	TNN
1	175097769	G	A	TNN
1	175105996	C	T	TNN
1	175130119	T	C	KIAA0040
1	175372714	T	G	TNR
1	175375469	C	A	TNR
1	175375802	T	C	TNR
1	176104219	T	C	RFWD2
1	176175819	A	C	RFWD2
1	176563779	G	A	PAPPA2
1	176563980	G	C	PAPPA2
1	176659510	C	T	PAPPA2
1	176760568	C	G	PAPPA2
1	176833427	T	C	ASTN1
1	176852074	T	G	ASTN1
1	176863836	G	C	ASTN1
1	176863867	T	C	ASTN1
1	177133734	C	T	ASTN1
1	177247854	C	G	BRINP2
1	177902725	C	T	SEC16B
1	177902753	G	C	SEC16B
1	177905454	T	G	SEC16B
1	177905469	C	A	SEC16B
1	177905488	A	T	SEC16B
1	177908852	C	T	SEC16B

1	177917055	C	T	SEC16B
1	177921119	G	A	SEC16B
1	177929501	C	G	SEC16B
1	177929987	T	C	SEC16B
1	177930027	-	AGGGATGTAG/	SEC16B
1	177930833	G	A	SEC16B
1	178483868	C	T	TEX35
1	178489520	A	G	TEX35
1	178489978	T	G	TEX35
1	178490387	A	G	TEX35
1	178854330	C	T	RALGPS2
1	179064145	T	C	TOR3A
1	179077613	T	C	ABL2
1	179078052	T	A	ABL2
1	179079420	G	A	ABL2
1	179112145	C	G	ABL2
1	179312009	T	C	SOAT1
1	179312753	G	A	SOAT1
1	179320578	A	G	SOAT1
1	179338046	C	T	AXDND1
1	179414105	A	C	AXDND1
1	179437659	C	T	AXDND1
1	179460806	C	T	AXDND1
1	179494574	G	A	AXDND1
1	179562740	G	C	TDRD5
1	179562792	G	A	TDRD5
1	179587765	A	G	TDRD5
1	179600001	A	G	TDRD5
1	179609549	C	T	TDRD5
1	179631242	G	A	TDRD5
1	179783167	G	T	FAM163A
1	179852065	C	T	TOR1AIP1
1	179852074	T	C	TOR1AIP1
1	179858444	G	A	TOR1AIP1
1	179876988	C	G	TOR1AIP1
1	179877780	A	C	TOR1AIP1
1	179886769	G	A	TOR1AIP1
1	179959724	C	G	CEP350
1	179959750	A	G	CEP350
1	179989230	A	G	CEP350
1	179989584	G	C	CEP350
1	179989742	G	C	CEP350
1	180000542	G	T	CEP350

1	180010911	A	G	<i>CEP350</i>
1	180010912	C	T	<i>CEP350</i>
1	180012213	A	G	<i>CEP350</i>
1	180013235	T	G	<i>CEP350</i>
1	180034271	A	G	<i>CEP350</i>
1	180044304	A	G	<i>CEP350</i>
1	180061976	G	C	<i>CEP350</i>
1	180065048	A	G	<i>CEP350</i>
1	180148012	G	C	<i>QSOX1</i>
1	180159622	C	T	<i>QSOX1</i>
1	180165699	A	C	<i>QSOX1</i>
1	180241085	AGA	-	<i>LHX4</i>
1	180243524	A	G	<i>LHX4</i>
1	180885430	T	C	<i>KIAA1614</i>
1	180886039	C	T	<i>KIAA1614</i>
1	180886140	C	T	<i>KIAA1614</i>
1	180886186	G	A	<i>KIAA1614</i>
1	180897634	G	A	<i>KIAA1614</i>
1	180904951	G	A	<i>KIAA1614</i>
1	180905448	G	T	<i>KIAA1614</i>
1	180910200	A	G	<i>KIAA1614</i>
1	180913597	A	G	<i>KIAA1614</i>
1	180914534	C	T	<i>KIAA1614</i>
1	181018356	A	T	<i>MR1</i>
1	181021373	C	T	<i>MR1</i>
1	181058796	G	A	<i>IER5</i>
1	181702689	C	T	<i>CACNA1E</i>
1	181759657	G	A	<i>CACNA1E</i>
1	182025839	G	A	<i>ZNF648</i>
1	182026052	G	C	<i>ZNF648</i>
1	182026278	G	A	<i>ZNF648</i>
1	182026813	G	C	<i>ZNF648</i>
1	182027022	C	T	<i>ZNF648</i>
1	182027144	A	T	<i>ZNF648</i>
1	182369105	C	T	<i>TEDDM1</i>
1	182369233	A	G	<i>TEDDM1</i>
1	182423146	G	A	<i>RGSL1</i>
1	182442758	G	A	<i>RGSL1</i>
1	182443014	G	C	<i>RGSL1</i>
1	182496791	T	G	<i>RGSL1</i>
1	182496829	A	G	<i>RGSL1</i>
1	182520258	G	A	<i>RGSL1</i>
1	182551337	A	C	<i>RNASEL</i>

1	182554557	C	T	<i>RNASEL</i>
1	182555653	T	G	<i>RNASEL</i>
1	182555767	C	T	<i>RNASEL</i>
1	182640864	T	C	<i>RGS8</i>
1	182781313	G	A	<i>NPL</i>
1	182856330	GGAGGCTATGC(-		<i>DHX9</i>
1	182869122	C	T	<i>SHCBP1L</i>
1	182873431	C	T	<i>SHCBP1L</i>
1	182922067	G	T	<i>SHCBP1L</i>
1	183085755	A	G	<i>LAMC1</i>
1	183094547	T	C	<i>LAMC1</i>
1	183095324	G	T	<i>LAMC1</i>
1	183099560	G	A	<i>LAMC1</i>
1	183101582	A	G	<i>LAMC1</i>
1	183102632	G	A	<i>LAMC1</i>
1	183177132	G	A	<i>LAMC2</i>
1	183184663	G	A	<i>LAMC2</i>
1	183192390	G	A	<i>LAMC2</i>
1	183196682	A	G	<i>LAMC2</i>
1	183201970	G	C	<i>LAMC2</i>
1	183204796	C	T	<i>LAMC2</i>
1	183205708	G	C	<i>LAMC2</i>
1	183206566	G	A	<i>LAMC2</i>
1	183209214	G	T	<i>LAMC2</i>
1	183209311	C	T	<i>LAMC2</i>
1	183255908	T	C	<i>NMNAT2</i>
1	183495812	A	G	<i>SMG7</i>
1	183529339	G	A	<i>NCF2</i>
1	183532364	T	A	<i>NCF2</i>
1	183532590	C	T	<i>NCF2</i>
1	183532666	T	A	<i>NCF2</i>
1	183542387	T	C	<i>NCF2</i>
1	183559352	C	T	<i>NCF2</i>
1	183616866	A	G	<i>APOBEC4</i>
1	183616884	C	T	<i>APOBEC4</i>
1	183616926	T	C	<i>APOBEC4</i>
1	183617094	G	A	<i>APOBEC4</i>
1	183617105	A	G	<i>APOBEC4</i>
1	183617288	A	G	<i>APOBEC4</i>
1	183617643	T	C	<i>APOBEC4</i>
1	183617693	G	A	<i>APOBEC4</i>
1	183849869	C	G	<i>RGL1</i>
1	184006380	C	T	<i>COLGALT2</i>

1	184020945	G	A	TSEN15
1	184023529	A	C	TSEN15
1	184663531	G	A	EDEM3
1	184663537	A	C	EDEM3
1	184702008	G	A	EDEM3
1	184723721	T	G	EDEM3
1	184723731	G	C	EDEM3
1	184764740	C	T	FAM129A
1	184765000	G	A	FAM129A
1	184765072	A	G	FAM129A
1	184792363	G	A	FAM129A
1	184853890	T	C	FAM129A
1	184863330	G	A	FAM129A
1	185113152	G	A	TRMT1L
1	185143721	A	G	SWT1
1	185143745	A	G	SWT1
1	185171869	A	G	SWT1
1	185175837	A	C	SWT1
1	185240474	A	G	SWT1
1	185267193	G	T	IVNS1ABP
1	185897782	C	T	HMCN1
1	185934999	G	A	HMCN1
1	185958737	A	G	HMCN1
1	185964136	C	T	HMCN1
1	185976299	C	G	HMCN1
1	185976370	A	G	HMCN1
1	186014876	G	A	HMCN1
1	186024643	G	A	HMCN1
1	186026474	T	C	HMCN1
1	186050417	A	G	HMCN1
1	186052024	G	A	HMCN1
1	186072648	G	A	HMCN1
1	186072727	G	A	HMCN1
1	186083113	C	T	HMCN1
1	186084007	C	T	HMCN1
1	186092103	C	T	HMCN1
1	186101539	A	G	HMCN1
1	186105949	G	A	HMCN1
1	186113727	G	A	HMCN1
1	186121995	A	T	HMCN1
1	186121996	C	T	HMCN1
1	186134246	A	T	HMCN1
1	186141181	C	G	HMCN1

1	186141213	T	C	HMCN1
1	186147638	A	G	HMCN1
1	186151390	A	G	HMCN1
1	186273955	TCC	-	PRG4
1	186273994	C	T	PRG4
1	186275461	AAG	-	PRG4
1	186275564	C	T	PRG4
1	186275666	A	T	PRG4
1	186276661	A	G	PRG4
1	186277088	G	C	PRG4
1	186277099	G	A	PRG4
1	186280235	G	A	PRG4
1	186281400	C	T	PRG4
1	186301436	C	T	TPR
1	186303520	T	C	TPR
1	186305747	C	A	TPR
1	186313197	C	T	TPR
1	186316488	C	T	TPR
1	186321242	C	T	TPR
1	186324810	A	G	TPR
1	186329959	A	G	TPR
1	186332066	T	G	TPR
1	186337028	T	A	TPR
1	186363085	TCT	-	C1orf27
1	186363119	C	G	C1orf27
1	186368092	A	C	C1orf27
1	186375305	A	G	C1orf27
1	186946869	A	G	PLA2G4A
1	190424003	T	G	BRINP3
1	192127815	A	-	RGS18
1	192780164	A	G	RGS2
1	192998416	G	A	UCHL5
1	193038360	A	G	TROVE2
1	193045734	C	A	TROVE2
1	193051753	C	A	TROVE2
1	193074651	T	A	GLRX2
1	193150326	A	C	B3GALT2
1	196295914	C	G	KCNT2
1	196642233	G	A	CFH
1	196659237	C	T	CFH
1	196706677	G	T	CFH
1	196709774	G	T	CFH
1	196709816	G	T	CFH

1	196709833	C	T	<i>CFH</i>
1	196711067	G	T	<i>CFH</i>
1	196712596	A	T	<i>CFH</i>
1	196762455	A	G	<i>CFHR3</i>
1	196762488	AT	-	<i>CFHR3</i>
1	196927185	G	T	<i>CFHR2</i>
1	196928188	A	G	<i>CFHR2</i>
1	196963213	G	A	<i>CFHR5</i>
1	196963258	-	AA	<i>CFHR5</i>
1	196963258	-	A	<i>CFHR5</i>
1	196964861	T	C	<i>CFHR5</i>
1	196965193	G	A	<i>CFHR5</i>
1	196967354	G	A	<i>CFHR5</i>
1	196967422	G	C	<i>CFHR5</i>
1	196973872	G	A	<i>CFHR5</i>
1	197026151	T	A	<i>F13B</i>
1	197026289	A	G	<i>F13B</i>
1	197031021	C	T	<i>F13B</i>
1	197061086	A	C	<i>ASPM</i>
1	197062222	A	G	<i>ASPM</i>
1	197070442	G	T	<i>ASPM</i>
1	197072434	T	A	<i>ASPM</i>
1	197072929	G	A	<i>ASPM</i>
1	197073196	G	A	<i>ASPM</i>
1	197074168	G	A	<i>ASPM</i>
1	197091550	G	A	<i>ASPM</i>
1	197111665	G	A	<i>ASPM</i>
1	197168747	T	C	<i>ZBTB41</i>
1	197297616	C	G	<i>CRB1</i>
1	197297642	G	T	<i>CRB1</i>
1	197297965	G	A	<i>CRB1</i>
1	197297974	GATGGAATT	-	<i>CRB1</i>
1	197411409	G	A	<i>CRB1</i>
1	197480986	C	T	<i>DENND1B</i>
1	198222215	C	G	<i>NEK7</i>
1	198498234	C	G	<i>ATP6V1G3</i>
1	198505830	C	T	<i>ATP6V1G3</i>
1	198505831	G	A	<i>ATP6V1G3</i>
1	198668761	G	C	<i>PTPRC</i>
1	198671653	A	G	<i>PTPRC</i>
1	198675959	G	T	<i>PTPRC</i>
1	198676063	A	C	<i>PTPRC</i>
1	198691595	T	A	<i>PTPRC</i>

1	198725059	G	A	<i>PTPRC</i>
1	199997003	T	A	<i>NR5A2</i>
1	200377105	T	C	<i>ZNF281</i>
1	200378442	T	C	<i>ZNF281</i>
1	200522566	G	C	<i>KIF14</i>
1	200534255	T	A	<i>KIF14</i>
1	200534651	T	G	<i>KIF14</i>
1	200574499	T	C	<i>KIF14</i>
1	200583529	T	C	<i>KIF14</i>
1	200586765	C	T	<i>KIF14</i>
1	200587506	C	T	<i>KIF14</i>
1	200619614	C	T	<i>DDX59</i>
1	200619654	T	C	<i>DDX59</i>
1	200633073	G	T	<i>DDX59</i>
1	200635358	G	A	<i>DDX59</i>
1	200635550	T	C	<i>DDX59</i>
1	200635618	C	G	<i>DDX59</i>
1	200635721	C	G	<i>DDX59</i>
1	200801935	A	G	<i>CAMSAP2</i>
1	200818980	C	G	<i>CAMSAP2</i>
1	200822439	T	A	<i>CAMSAP2</i>
1	200842341	T	C	<i>GPR25</i>
1	200880702	C	T	<i>C1orf106</i>
1	200960225	C	T	<i>KIF21B</i>
1	200961441	G	A	<i>KIF21B</i>
1	200978027	G	A	<i>KIF21B</i>
1	201009011	C	T	<i>CACNA1S</i>
1	201009066	G	A	<i>CACNA1S</i>
1	201009182	A	G	<i>CACNA1S</i>
1	201012484	C	T	<i>CACNA1S</i>
1	201016296	G	A	<i>CACNA1S</i>
1	201020165	T	A	<i>CACNA1S</i>
1	201038650	C	T	<i>CACNA1S</i>
1	201046058	C	T	<i>CACNA1S</i>
1	201047079	G	A	<i>CACNA1S</i>
1	201047133	C	A	<i>CACNA1S</i>
1	201052310	A	T	<i>CACNA1S</i>
1	201052382	A	G	<i>CACNA1S</i>
1	201058513	C	A	<i>CACNA1S</i>
1	201058513	C	T	<i>CACNA1S</i>
1	201079344	G	C	<i>CACNA1S</i>
1	201163305	C	A	<i>IGFN1</i>
1	201163306	C	G	<i>IGFN1</i>

1	201166383	G	A	IGFN1
1	201169492	C	T	IGFN1
1	201169532	T	C	IGFN1
1	201175227	C	A	IGFN1
1	201181973	C	T	IGFN1
1	201181994	A	G	IGFN1
1	201182293	C	T	IGFN1
1	201182609	G	A	IGFN1
1	201183424	G	A	IGFN1
1	201184878	C	A	IGFN1
1	201185752	G	A	IGFN1
1	201186501	G	A	IGFN1
1	201193885	G	A	IGFN1
1	201195119	C	T	IGFN1
1	201263130	A	G	PKP1
1	201282469	G	A	PKP1
1	201282573	A	G	PKP1
1	201282592	G	A	PKP1
1	201288955	G	A	PKP1
1	201288982	C	A	PKP1
1	201289498	T	C	PKP1
1	201294910	C	T	PKP1
1	201330429	T	C	TNNT2
1	201351421	T	A	LAD1
1	201355636	T	C	LAD1
1	201355653	G	T	LAD1
1	201355669	T	C	LAD1
1	201356001	CCCA	-	LAD1
1	201356001	C	-	LAD1
1	201356002	CCA	-	LAD1
1	201356004	ACC	-	LAD1
1	201356005	CC	-	LAD1
1	201358304	C	A	LAD1
1	201437832	C	T	PHLDA3
1	201458071	T	A	CSRP1
1	201750233	G	A	NAV1
1	201754444	G	C	NAV1
1	201755657	C	A	NAV1
1	201858713	G	A	SHISA4
1	201860626	A	G	SHISA4
1	201869716	C	T	LMOD1
1	201915330	C	A	LMOD1
1	201915332	G	A	LMOD1

1	201934578	G	A	<i>TIMM17A</i>
1	201965317	G	T	<i>RNPEP</i>
1	201970787	G	C	<i>RNPEP</i>
1	201970817	A	G	<i>RNPEP</i>
1	201973565	G	A	<i>RNPEP</i>
1	201974779	G	A	<i>RNPEP</i>
1	202092332	C	G	<i>GPR37L1</i>
1	202092360	G	A	<i>GPR37L1</i>
1	202097319	G	A	<i>GPR37L1</i>
1	202097559	G	A	<i>GPR37L1</i>
1	202104282	G	A	<i>ARL8A</i>
1	202124711	G	A	<i>PTPN7</i>
1	202128421	C	T	<i>PTPN7</i>
1	202128551	C	T	<i>PTPN7</i>
1	202128601	C	T	<i>PTPN7</i>
1	202129826	T	C	<i>PTPN7</i>
1	202129895	G	A	<i>PTPN7</i>
1	202183308	C	T	<i>LGR6</i>
1	202183358	G	-	<i>LGR6</i>
1	202287206	T	C	<i>LGR6</i>
1	202287754	G	A	<i>LGR6</i>
1	202288063	C	G	<i>LGR6</i>
1	202288189	C	A	<i>LGR6</i>
1	202304777	C	T	<i>UBE2T</i>
1	202464773	G	A	<i>PPP1R12B</i>
1	202710733	C	G	<i>KDM5B</i>
1	202715270	C	T	<i>KDM5B</i>
1	202894165	T	G	<i>KLHL12</i>
1	202935911	T	C	<i>CYB5R1</i>
1	203008236	C	A	<i>PPFIA4</i>
1	203012580	G	A	<i>PPFIA4</i>
1	203017391	C	T	<i>PPFIA4</i>
1	203028371	G	T	<i>PPFIA4</i>
1	203053787	C	T	<i>MYOG</i>
1	203054980	C	T	<i>MYOG</i>
1	203054984	C	G	<i>MYOG</i>
1	203134682	A	G	<i>ADORA1</i>
1	203139556	C	T	<i>MYBPH</i>
1	203148698	C	T	<i>CHI3L1</i>
1	203152801	T	C	<i>CHI3L1</i>
1	203152864	G	C	<i>CHI3L1</i>
1	203154465	C	T	<i>CHI3L1</i>
1	203186067	G	A	<i>CHIT1</i>

1	203186093	G	C	<i>CHIT1</i>
1	203186950	-	AGACCATGGCC	<i>CHIT1</i>
1	203188380	CCACTGGTTGT-		<i>CHIT1</i>
1	203188385	G	-	<i>CHIT1</i>
1	203194186	C	T	<i>CHIT1</i>
1	203194834	C	T	<i>CHIT1</i>
1	203311527	C	T	<i>FMOD</i>
1	203452409	G	A	<i>PRELP</i>
1	203452781	A	G	<i>PRELP</i>
1	203452929	G	A	<i>PRELP</i>
1	203455861	A	G	<i>PRELP</i>
1	203455902	A	C	<i>PRELP</i>
1	203468792	T	C	<i>OPTC</i>
1	203472112	T	C	<i>OPTC</i>
1	203652469	G	A	<i>ATP2B4</i>
1	203680186	G	A	<i>ATP2B4</i>
1	203691612	A	G	<i>ATP2B4</i>
1	203696542	C	A	<i>ATP2B4</i>
1	203696548	C	T	<i>ATP2B4</i>
1	203740024	C	T	<i>LAX1</i>
1	203740057	G	A	<i>LAX1</i>
1	204086760	C	G	<i>SOX13</i>
1	204091459	T	C	<i>SOX13</i>
1	204092030	G	A	<i>SOX13</i>
1	204092087	G	A	<i>SOX13</i>
1	204110547	C	T	<i>ETNK2</i>
1	204159787	G	C	<i>KISS1</i>
1	204161947	C	T	<i>KISS1</i>
1	204170825	C	T	<i>GOLT1A</i>
1	204192659	G	A	<i>PLEKHA6</i>
1	204199614	C	T	<i>PLEKHA6</i>
1	204228843	C	T	<i>PLEKHA6</i>
1	204230441	G	A	<i>PLEKHA6</i>
1	204237416	C	T	<i>PLEKHA6</i>
1	204242827	G	A	<i>PLEKHA6</i>
1	204378775	T	C	<i>PPP1R15B</i>
1	204379133	T	A	<i>PPP1R15B</i>
1	204379452	T	C	<i>PPP1R15B</i>
1	204379617	T	C	<i>PPP1R15B</i>
1	204380047	T	C	<i>PPP1R15B</i>
1	204380404	C	T	<i>PPP1R15B</i>
1	204411688	C	G	<i>PIK3C2B</i>
1	204411723	G	T	<i>PIK3C2B</i>

1	204418411	C	T	<i>PIK3C2B</i>
1	204426183	C	A	<i>PIK3C2B</i>
1	204429698	G	A	<i>PIK3C2B</i>
1	204429727	C	T	<i>PIK3C2B</i>
1	204438113	G	T	<i>PIK3C2B</i>
1	204438236	T	C	<i>PIK3C2B</i>
1	204438908	C	T	<i>PIK3C2B</i>
1	204507383	A	G	<i>MDM4</i>
1	204518457	A	C	<i>MDM4</i>
1	204587047	G	A	<i>LRRN2</i>
1	204587145	A	G	<i>LRRN2</i>
1	204587394	G	A	<i>LRRN2</i>
1	204587569	G	C	<i>LRRN2</i>
1	204587589	C	T	<i>LRRN2</i>
1	204589057	C	T	<i>LRRN2</i>
1	204589066	C	T	<i>LRRN2</i>
1	204923406	C	A	<i>NFASC</i>
1	204924020	C	T	<i>NFASC</i>
1	204944441	G	A	<i>NFASC</i>
1	204944536	A	G	<i>NFASC</i>
1	204951061	G	A	<i>NFASC</i>
1	204966428	C	G	<i>NFASC</i>
1	205027192	C	T	<i>CNTN2</i>
1	205027737	G	A	<i>CNTN2</i>
1	205028229	C	T	<i>CNTN2</i>
1	205030522	C	T	<i>CNTN2</i>
1	205033518	C	G	<i>CNTN2</i>
1	205033764	C	A	<i>CNTN2</i>
1	205035727	A	G	<i>CNTN2</i>
1	205038648	G	A	<i>CNTN2</i>
1	205042840	G	A	<i>CNTN2</i>
1	205052775	G	A	<i>TMEM81</i>
1	205128698	G	A	<i>DSTYK</i>
1	205130413	A	G	<i>DSTYK</i>
1	205138321	G	C	<i>DSTYK</i>
1	205180474	G	A	<i>DSTYK</i>
1	205197808	C	T	<i>TMCC2</i>
1	205277786	C	T	<i>NUAK2</i>
1	205353492	A	C	<i>LEMD1</i>
1	205385412	A	G	<i>LEMD1</i>
1	205389592	G	A	<i>LEMD1</i>
1	205492679	G	A	<i>CDK18</i>
1	205495233	C	T	<i>CDK18</i>

1	205548956	G	A	MFSD4
1	205549933	G	A	MFSD4
1	205554085	G	C	MFSD4
1	205628550	G	C	SLC45A3
1	205628616	C	T	SLC45A3
1	205631084	C	T	SLC45A3
1	205632218	GCCGACAGCC(-		SLC45A3
1	205632240	C	-	SLC45A3
1	205739907	T	G	RAB29
1	205740668	G	C	RAB29
1	205801872	A	G	PM20D1
1	205810947	C	T	PM20D1
1	205811865	G	T	PM20D1
1	205812879	A	G	PM20D1
1	205812912	A	G	PM20D1
1	205813995	T	A	PM20D1
1	205814497	T	C	PM20D1
1	205819104	G	A	PM20D1
1	205884118	C	T	SLC26A9
1	205884138	C	T	SLC26A9
1	205884226	C	A	SLC26A9
1	205884274	T	C	SLC26A9
1	205887994	C	T	SLC26A9
1	205890885	C	G	SLC26A9
1	205892736	T	C	SLC26A9
1	205896395	G	C	SLC26A9
1	205904888	C	T	SLC26A9
1	206224635	G	C	AVPR1B
1	206224804	A	T	AVPR1B
1	206224999	T	C	AVPR1B
1	206225011	G	C	AVPR1B
1	206230958	G	A	AVPR1B
1	206319119	A	G	CTSE
1	206320300	T	C	CTSE
1	206329051	C	T	CTSE
1	206650040	G	A	IKBKE
1	206652404	G	A	IKBKE
1	206665052	C	T	IKBKE
1	206669465	C	T	IKBKE
1	206772388	T	C	EIF2D
1	206776460	G	A	EIF2D
1	206905941	G	T	MAPKAPK2
1	206945738	C	T	IL10

1	207015957	T	C	IL19
1	207073701	C	T	IL24
1	207074905	T	C	IL24
1	207076321	T	G	IL24
1	207095192	A	C	FCMR
1	207106478	G	A	PIGR
1	207107806	G	A	PIGR
1	207108001	G	A	PIGR
1	207133093	T	C	FCAMR
1	207134104	G	T	FCAMR
1	207134226	C	T	FCAMR
1	207134365	C	T	FCAMR
1	207134410	T	G	FCAMR
1	207135723	G	A	FCAMR
1	207135828	G	A	FCAMR
1	207140447	C	T	FCAMR
1	207195868	G	A	C1orf116
1	207196639	T	G	C1orf116
1	207200875	-	T	C1orf116
1	207200895	T	A	C1orf116
1	207286381	C	A	C4BPA
1	207300070	G	A	C4BPA
1	207304900	T	C	C4BPA
1	207510733	A	G	CD55
1	207641950	C	T	CR2
1	207643192	C	T	CR2
1	207646462	G	A	CR2
1	207647643	G	A	CR2
1	207648456	G	T	CR2
1	207653364	A	G	CR2
1	207653395	C	A	CR2
1	207679348	G	A	CR1
1	207680070	C	T	CR1
1	207760772	A	G	CR1
1	207760773	C	T	CR1
1	207782707	A	G	CR1
1	207782769	G	A	CR1
1	207782856	A	G	CR1
1	207782889	A	G	CR1
1	207782916	A	T	CR1
1	207782931	A	G	CR1
1	207787763	G	A	CR1
1	207791434	A	G	CR1

1	207795320	A	G	CR1
1	207850900	G	C	CR1L
1	207851554	C	T	CR1L
1	207851611	A	G	CR1L
1	207857254	A	G	CR1L
1	207958446	C	T	CD46
1	208072436	G	A	CD34
1	208072455	C	T	CD34
1	208212224	C	T	PLXNA2
1	208252666	G	A	PLXNA2
1	208252681	T	C	PLXNA2
1	208270093	C	T	PLXNA2
1	208390162	T	C	PLXNA2
1	208390469	C	T	PLXNA2
1	208390903	G	T	PLXNA2
1	208391098	T	C	PLXNA2
1	209602712	T	G	MIR205HG
1	209768356	A	G	CAMK1G
1	209783222	G	C	CAMK1G
1	209785206	G	A	CAMK1G
1	209791929	G	T	LAMB3
1	209797253	T	C	LAMB3
1	209799101	C	T	LAMB3
1	209800230	C	T	LAMB3
1	209803163	C	T	LAMB3
1	209803199	A	G	LAMB3
1	209807808	C	T	LAMB3
1	209807809	G	A	LAMB3
1	209807815	T	C	LAMB3
1	209950760	C	G	TRAF3IP3
1	209956542	C	A	C1orf74
1	209964080	C	T	IRF6
1	210001460	A	G	DIEXF
1	210004332	G	A	DIEXF
1	210010524	G	A	DIEXF
1	210187118	A	G	SYT14
1	210267894	GAA	-	SYT14
1	210411343	C	G	SERTAD4
1	210412843	C	T	SERTAD4
1	210415135	G	A	SERTAD4
1	210415570	C	T	SERTAD4
1	210577884	G	A	HHAT
1	210577901	T	C	HHAT

1	210761310	C	T	HHAT
1	211534099	C	T	TRAF5
1	211652466	C	T	RD3
1	211654619	G	A	RD3
1	212156041	A	G	INTS7
1	212273639	C	T	DTL
1	212553244	G	-	TMEM206
1	212560248	G	A	TMEM206
1	212798260	G	A	FAM71A
1	212798443	G	A	FAM71A
1	212798977	A	G	FAM71A
1	212799039	G	A	FAM71A
1	212799139	A	G	FAM71A
1	212799163	C	A	FAM71A
1	212799535	G	A	FAM71A
1	212799870	A	G	FAM71A
1	212799882	A	T	FAM71A
1	212799949	C	T	FAM71A
1	212911836	T	C	NSL1
1	212912926	A	G	NSL1
1	212957827	T	C	NSL1
1	212970533	C	A	TATDN3
1	213046073	G	A	FLVCR1
1	213046088	G	A	FLVCR1
1	213068595	C	T	FLVCR1
1	213173696	G	T	ANGEL2
1	213186531	G	A	ANGEL2
1	213186614	AAGTATGGGT	-	ANGEL2
1	213244366	C	A	RPS6KC1
1	213349747	C	T	RPS6KC1
1	213405593	C	T	RPS6KC1
1	213414090	C	T	RPS6KC1
1	214492286	G	A	SMYD2
1	214507580	A	G	SMYD2
1	214507610	G	T	SMYD2
1	214510115	T	G	SMYD2
1	214542934	G	C	PTPN14
1	214551420	C	T	PTPN14
1	214557196	G	A	PTPN14
1	214557685	C	A	PTPN14
1	214557727	G	A	PTPN14
1	214557774	T	C	PTPN14
1	214557945	C	T	PTPN14

1	214560201	G	A	<i>PTPN14</i>
1	214576241	T	C	<i>PTPN14</i>
1	214794049	C	T	<i>CENPF</i>
1	214811244	C	G	<i>CENPF</i>
1	214813782	A	G	<i>CENPF</i>
1	214813941	C	G	<i>CENPF</i>
1	214814059	T	G	<i>CENPF</i>
1	214814125	G	A	<i>CENPF</i>
1	214814733	T	G	<i>CENPF</i>
1	214814778	G	A	<i>CENPF</i>
1	214814995	C	T	<i>CENPF</i>
1	214815116	A	T	<i>CENPF</i>
1	214815298	A	G	<i>CENPF</i>
1	214815304	C	T	<i>CENPF</i>
1	214815492	A	G	<i>CENPF</i>
1	214815916	T	C	<i>CENPF</i>
1	214816224	G	A	<i>CENPF</i>
1	214818021	A	G	<i>CENPF</i>
1	214818215	G	A	<i>CENPF</i>
1	214818223	T	A	<i>CENPF</i>
1	214818291	G	A	<i>CENPF</i>
1	214819044	C	T	<i>CENPF</i>
1	214819328	G	A	<i>CENPF</i>
1	214819587	A	G	<i>CENPF</i>
1	214819689	A	C	<i>CENPF</i>
1	214819839	G	A	<i>CENPF</i>
1	214819850	G	A	<i>CENPF</i>
1	214819980	C	T	<i>CENPF</i>
1	214820099	A	G	<i>CENPF</i>
1	214826196	G	A	<i>CENPF</i>
1	214830617	A	G	<i>CENPF</i>
1	215799170	T	C	<i>USH2A</i>
1	215802242	C	T	<i>USH2A</i>
1	215802298	A	G	<i>USH2A</i>
1	215808007	G	A	<i>USH2A</i>
1	215808022	T	C	<i>USH2A</i>
1	215821939	C	T	<i>USH2A</i>
1	215844373	C	T	<i>USH2A</i>
1	215847956	C	A	<i>USH2A</i>
1	215901511	G	A	<i>USH2A</i>
1	215914751	G	T	<i>USH2A</i>
1	215914826	T	C	<i>USH2A</i>
1	215916563	G	A	<i>USH2A</i>

1	215953355	G	A	USH2A
1	215990479	C	T	USH2A
1	216011361	T	C	USH2A
1	216011408	T	C	USH2A
1	216011442	C	T	USH2A
1	216017691	A	G	USH2A
1	216051125	G	A	USH2A
1	216051157	C	T	USH2A
1	216052307	A	G	USH2A
1	216062273	C	T	USH2A
1	216108128	T	C	USH2A
1	216144049	C	T	USH2A
1	216166454	T	G	USH2A
1	216219781	A	G	USH2A
1	216219841	G	T	USH2A
1	216219858	C	A	USH2A
1	216243517	T	C	USH2A
1	216246606	C	T	USH2A
1	216348764	C	T	USH2A
1	216390763	G	T	USH2A
1	216420214	G	T	USH2A
1	216462662	T	A	USH2A
1	216465694	G	C	USH2A
1	216496932	C	G	USH2A
1	216538391	C	T	USH2A
1	216595306	C	T	USH2A
1	217604632	G	A	GPATCH2
1	217604654	T	C	GPATCH2
1	217804767	A	G	SPATA17
1	217856622	A	G	SPATA17
1	217947856	C	T	SPATA17
1	217955553	G	A	SPATA17
1	218458719	AAG	-	RRP15
1	218478411	G	C	RRP15
1	218504400	C	-	RRP15
1	218520315	G	A	TGFB2
1	218607532	G	C	TGFB2
1	219366546	T	C	LYPLAL1
1	219383905	A	G	LYPLAL1
1	220156704	T	C	EPRS
1	220156710	G	A	EPRS
1	220161969	T	C	EPRS
1	220162029	G	T	EPRS

1	220193423	T	C	<i>EPRS</i>
1	220197625	G	T	<i>EPRS</i>
1	220236134	C	T	<i>BPNT1</i>
1	220287740	A	G	<i>IARS2</i>
1	220298664	A	G	<i>IARS2</i>
1	220311332	G	A	<i>IARS2</i>
1	220324983	G	T	<i>RAB3GAP2</i>
1	220331205	C	G	<i>RAB3GAP2</i>
1	220344453	T	C	<i>RAB3GAP2</i>
1	220869990	G	A	<i>C1orf115</i>
1	220870039	C	T	<i>C1orf115</i>
1	220936372	G	A	<i>MARC2</i>
1	220970095	T	A	<i>MARC1</i>
1	221053545	T	C	<i>HLX</i>
1	221053574	A	C	<i>HLX</i>
1	221053600	-	GCAGCAACAGC	<i>HLX</i>
1	221057646	C	T	<i>HLX</i>
1	221057739	C	G	<i>HLX</i>
1	221879569	C	T	<i>DUSP10</i>
1	222696035	G	A	<i>HHIPL2</i>
1	222705379	G	A	<i>HHIPL2</i>
1	222705418	T	G	<i>HHIPL2</i>
1	222712108	G	T	<i>HHIPL2</i>
1	222713501	C	A	<i>HHIPL2</i>
1	222713502	G	A	<i>HHIPL2</i>
1	222713621	C	T	<i>HHIPL2</i>
1	222713631	G	C	<i>HHIPL2</i>
1	222717132	C	T	<i>HHIPL2</i>
1	222721160	C	T	<i>HHIPL2</i>
1	222721222	A	-	<i>HHIPL2</i>
1	222732051	C	T	<i>TAF1A</i>
1	222736623	C	T	<i>TAF1A</i>
1	222800921	C	T	<i>MIA3</i>
1	222801210	A	C	<i>MIA3</i>
1	222801235	G	C	<i>MIA3</i>
1	222801661	A	T	<i>MIA3</i>
1	222802376	A	G	<i>MIA3</i>
1	222802822	T	A	<i>MIA3</i>
1	222803199	C	A	<i>MIA3</i>
1	222803204	A	G	<i>MIA3</i>
1	222832967	G	A	<i>MIA3</i>
1	222832992	A	C	<i>MIA3</i>
1	222923351	A	G	<i>FAM177B</i>

1	223116472	G	A	DISP1
1	223116474	G	T	DISP1
1	223177974	G	A	DISP1
1	223178364	A	G	DISP1
1	223178520	G	A	DISP1
1	223283910	A	G	TLR5
1	223284069	G	A	TLR5
1	223284214	A	T	TLR5
1	223284528	A	G	TLR5
1	223284599	T	C	TLR5
1	223284915	G	T	TLR5
1	223285833	G	T	TLR5
1	223286129	G	A	TLR5
1	223286138	C	T	TLR5
1	223438070	C	T	SUSD4
1	223536705	-	TGC	SUSD4
1	223567401	T	C	CCDC185
1	223567803	G	A	CCDC185
1	223567808	C	T	CCDC185
1	223568234	G	A	CCDC185
1	223568348	G	C	CCDC185
1	223949314	G	C	CAPN2
1	223954080	A	C	CAPN2
1	223985963	C	G	TP53BP2
1	223991119	G	T	TP53BP2
1	223991959	G	A	TP53BP2
1	224001963	G	A	TP53BP2
1	224345351	G	A	FBXO28
1	224371065	C	A	DEGS1
1	224418939	T	C	NVL
1	224492783	T	A	NVL
1	224495853	C	T	NVL
1	224517810	C	T	NVL
1	224544642	T	G	CNIH4
1	224553602	G	A	CNIH4
1	224566784	C	T	CNIH4
1	225142710	A	T	DNAH14
1	225147932	A	G	DNAH14
1	225152222	C	T	DNAH14
1	225152253	C	T	DNAH14
1	225211422	T	C	DNAH14
1	225231637	T	-	DNAH14
1	225237950	A	G	DNAH14

1	225268106	C	A	DNAH14
1	225268294	G	A	DNAH14
1	225268343	A	G	DNAH14
1	225268346	G	A	DNAH14
1	225270409	A	T	DNAH14
1	225270424	A	T	DNAH14
1	225273310	A	-	DNAH14
1	225288534	A	C	DNAH14
1	225334919	AATT	-	DNAH14
1	225340410	G	A	DNAH14
1	225373072	C	T	DNAH14
1	225380562	AAAG	-	DNAH14
1	225452983	A	G	DNAH14
1	225490915	C	T	DNAH14
1	225495168	G	A	DNAH14
1	225506294	A	G	DNAH14
1	225512481	G	A	DNAH14
1	225519212	G	A	DNAH14
1	225521101	G	C	DNAH14
1	225525139	A	G	DNAH14
1	225525864	C	G	DNAH14
1	225528175	G	T	DNAH14
1	225528183	C	A	DNAH14
1	225528340	C	T	DNAH14
1	225533684	A	G	DNAH14
1	225533749	A	-	DNAH14
1	225533861	A	G	DNAH14
1	225533910	T	C	DNAH14
1	225533931	A	G	DNAH14
1	225534219	T	C	DNAH14
1	225539363	G	A	DNAH14
1	225555602	T	G	DNAH14
1	225562529	T	C	DNAH14
1	225580093	G	C	DNAH14
1	225586274	G	T	DNAH14
1	225586807	G	A	DNAH14
1	225611681	T	C	LBR
1	225688725	G	A	ENAH
1	225707069	-	TCCAGGCGTTC	ENAH
1	226019633	T	C	EPHX1
1	226026377	C	A	EPHX1
1	226026406	A	G	EPHX1
1	226037778	G	C	TMEM63A

1	226040404	C	T	<i>TMEM63A</i>
1	226046964	T	C	<i>TMEM63A</i>
1	226054333	G	A	<i>TMEM63A</i>
1	226074563	T	G	<i>LEFTY1</i>
1	226074594	C	T	<i>LEFTY1</i>
1	226074635	C	T	<i>LEFTY1</i>
1	226076669	C	T	<i>LEFTY1</i>
1	226173167	A	T	<i>SDE2</i>
1	226175904	T	C	<i>SDE2</i>
1	226349320	G	A	<i>ACBD3</i>
1	226352498	T	G	<i>ACBD3</i>
1	226352599	T	C	<i>ACBD3</i>
1	226421157	T	G	<i>LIN9</i>
1	226555302	A	G	<i>PARP1</i>
1	226785102	A	G	<i>C1orf95</i>
1	226825448	C	T	<i>ITPKB</i>
1	226923505	G	T	<i>ITPKB</i>
1	226923779	G	A	<i>ITPKB</i>
1	226924642	C	T	<i>ITPKB</i>
1	227071475	C	T	<i>PSEN2</i>
1	227073271	C	T	<i>PSEN2</i>
1	227149153	G	A	<i>ADCK3</i>
1	227211032	T	C	<i>CDC42BPA</i>
1	227216775	C	T	<i>CDC42BPA</i>
1	227920314	C	T	<i>JMJD4</i>
1	227920665	A	G	<i>JMJD4</i>
1	227922866	C	T	<i>JMJD4</i>
1	227922874	G	C	<i>JMJD4</i>
1	227922918	A	C	<i>JMJD4</i>
1	227935417	C	T	<i>SNAP47</i>
1	227935444	A	G	<i>SNAP47</i>
1	227935657	G	C	<i>SNAP47</i>
1	227935762	G	A	<i>SNAP47</i>
1	227935835	T	A	<i>SNAP47</i>
1	227946805	C	T	<i>SNAP47</i>
1	227954689	C	T	<i>SNAP47</i>
1	227968303	G	A	<i>SNAP47</i>
1	228003508	G	A	<i>PRSS38</i>
1	228003839	C	T	<i>PRSS38</i>
1	228003842	C	G	<i>PRSS38</i>
1	228004966	C	A	<i>PRSS38</i>
1	228033258	T	A	<i>PRSS38</i>
1	228109247	C	T	<i>WNT9A</i>

1	228288896	C	T	<i>C1orf35</i>
1	228290033	T	C	<i>C1orf35</i>
1	228290051	T	G	<i>C1orf35</i>
1	228295527	G	A	<i>MRPL55</i>
1	228336425	G	A	<i>GUK1</i>
1	228336425	G	C	<i>GUK1</i>
1	228399671	G	A	<i>OBSCN</i>
1	228401940	G	C	<i>OBSCN</i>
1	228402121	A	G	<i>OBSCN</i>
1	228404305	G	A	<i>OBSCN</i>
1	228404368	G	A	<i>OBSCN</i>
1	228404818	G	T	<i>OBSCN</i>
1	228434381	G	A	<i>OBSCN</i>
1	228444565	T	A	<i>OBSCN</i>
1	228452032	G	A	<i>OBSCN</i>
1	228461504	G	A	<i>OBSCN</i>
1	228462007	C	T	<i>OBSCN</i>
1	228464248	T	G	<i>OBSCN</i>
1	228464255	T	C	<i>OBSCN</i>
1	228464276	T	C	<i>OBSCN</i>
1	228464303	G	T	<i>OBSCN</i>
1	228464633	C	G	<i>OBSCN</i>
1	228467711	G	A	<i>OBSCN</i>
1	228468458	G	A	<i>OBSCN</i>
1	228469861	T	G	<i>OBSCN</i>
1	228475848	G	A	<i>OBSCN</i>
1	228494216	C	T	<i>OBSCN</i>
1	228494790	G	A	<i>OBSCN</i>
1	228495983	G	A	<i>OBSCN</i>
1	228503677	A	G	<i>OBSCN</i>
1	228504472	T	C	<i>OBSCN</i>
1	228504591	C	A	<i>OBSCN</i>
1	228505204	G	A	<i>OBSCN</i>
1	228505668	C	G	<i>OBSCN</i>
1	228505725	A	C	<i>OBSCN</i>
1	228505727	C	T	<i>OBSCN</i>
1	228505739	G	A	<i>OBSCN</i>
1	228506912	T	C	<i>OBSCN</i>
1	228509427	A	G	<i>OBSCN</i>
1	228509681	G	T	<i>OBSCN</i>
1	228520973	C	G	<i>OBSCN</i>
1	228520995	G	A	<i>OBSCN</i>
1	228523528	C	T	<i>OBSCN</i>

1	228523957	G	T	OBSCN
1	228524756	T	C	OBSCN
1	228525008	G	A	OBSCN
1	228526578	T	A	OBSCN
1	228526653	C	A	OBSCN
1	228527749	C	T	OBSCN
1	228528298	T	C	OBSCN
1	228538568	C	G	OBSCN
1	228548116	C	A	OBSCN
1	228548197	G	A	OBSCN
1	228557755	G	A	OBSCN
1	228559654	G	A	OBSCN
1	228559967	C	T	OBSCN
1	228559994	C	T	OBSCN
1	228560317	G	A	OBSCN
1	228565209	G	A	OBSCN
1	228565329	G	A	OBSCN
1	228584659	C	T	TRIM11
1	228596116	G	T	TRIM17
1	228602563	G	C	TRIM17
1	228698311	C	A	BTNL10
1	228699477	T	C	BTNL10
1	229438654	A	G	RAB4A
1	229441002	C	TRUE	SPHAR
1	229461083	C	G	CCSAP
1	229462625	C	T	CCSAP
1	229594003	C	T	NUP133
1	229599414	C	T	NUP133
1	229623338	T	C	NUP133
1	229623359	G	A	NUP133
1	229631734	T	C	NUP133
1	229730691	T	C	TAF5L
1	229738193	C	T	TAF5L
1	229771013	C	T	URB2
1	229772302	C	T	URB2
1	229772693	T	G	URB2
1	229772932	A	G	URB2
1	229783308	G	A	URB2
1	229787030	G	A	URB2
1	229787055	G	A	URB2
1	230379092	A	T	GALNT2
1	230386238	A	C	GALNT2
1	230415148	G	A	GALNT2

1	230492801	C	T	<i>PGBD5</i>
1	230814668	A	G	<i>COG2</i>
1	230840034	G	T	<i>AGT</i>
1	230845794	A	G	<i>AGT</i>
1	230845977	G	A	<i>AGT</i>
1	230846187	G	A	<i>AGT</i>
1	230846446	A	G	<i>AGT</i>
1	230883415	GT	-	<i>CAPN9</i>
1	230895340	C	A	<i>CAPN9</i>
1	230898462	C	A	<i>CAPN9</i>
1	230904935	G	A	<i>CAPN9</i>
1	230907799	C	T	<i>CAPN9</i>
1	230914729	A	C	<i>CAPN9</i>
1	230923313	C	T	<i>CAPN9</i>
1	230925937	T	G	<i>CAPN9</i>
1	230927671	G	A	<i>CAPN9</i>
1	230928193	G	A	<i>CAPN9</i>
1	230928637	G	A	<i>CAPN9</i>
1	230930967	G	T	<i>CAPN9</i>
1	230979207	C	A	<i>C1orf198</i>
1	231056266	G	A	<i>TTC13</i>
1	231114915	A	T	<i>ARV1</i>
1	231125863	G	A	<i>ARV1</i>
1	231155682	C	T	<i>FAM89A</i>
1	231299593	G	C	<i>TRIM67</i>
1	231335934	G	A	<i>TRIM67</i>
1	231344908	A	G	<i>TRIM67</i>
1	231374856	G	A	<i>C1orf131</i>
1	231376806	G	C	<i>C1orf131</i>
1	231408091	A	G	<i>GNPAT</i>
1	231472537	C	G	<i>EXOC8</i>
1	231488524	C	T	<i>SPRTN</i>
1	231488952	A	T	<i>SPRTN</i>
1	231557164	C	G	<i>EGLN1</i>
1	231665034	A	G	<i>TSNAX</i>
1	231829752	C	T	<i>DISC1</i>
1	231829983	G	T	<i>DISC1</i>
1	231830364	C	T	<i>DISC1</i>
1	231902912	C	T	<i>DISC1</i>
1	231902975	C	T	<i>DISC1</i>
1	232144598	A	T	<i>DISC1</i>
1	232144739	G	C	<i>DISC1</i>
1	232534919	C	T	<i>SIPA1L2</i>

1	232561520	G	A	SIPA1L2
1	232564162	T	C	SIPA1L2
1	232564288	T	G	SIPA1L2
1	232564297	T	A	SIPA1L2
1	232568146	A	C	SIPA1L2
1	232574921	T	C	SIPA1L2
1	232574968	G	C	SIPA1L2
1	232581366	C	T	SIPA1L2
1	232596877	T	C	SIPA1L2
1	232600762	T	C	SIPA1L2
1	232940953	T	C	MAP10
1	232941105	G	C	MAP10
1	232941215	A	G	MAP10
1	232941535	G	A	MAP10
1	232941677	G	T	MAP10
1	233105677	G	A	NTPCR
1	233120192	G	A	PCNXL2
1	233121884	T	C	PCNXL2
1	233122016	A	G	PCNXL2
1	233122113	C	T	PCNXL2
1	233122127	C	T	PCNXL2
1	233122172	G	A	PCNXL2
1	233134086	C	T	PCNXL2
1	233296041	G	A	PCNXL2
1	233296103	C	T	PCNXL2
1	233313594	G	T	PCNXL2
1	233353901	G	A	PCNXL2
1	233397909	T	C	PCNXL2
1	233398749	T	G	PCNXL2
1	233398893	G	A	PCNXL2
1	233490701	G	A	KIAA1804
1	233490704	G	A	KIAA1804
1	233511675	A	C	KIAA1804
1	233511776	C	T	KIAA1804
1	233515102	T	G	KIAA1804
1	233515279	C	T	KIAA1804
1	233518291	C	T	KIAA1804
1	233802497	G	A	KCNK1
1	234564951	A	T	TARBP1
1	234565176	C	T	TARBP1
1	234582651	T	C	TARBP1
1	234582720	C	T	TARBP1
1	234595070	T	C	TARBP1

1	234603322	A	T	TARBP1
1	235338618	G	A	ARID4B
1	235345115	C	T	ARID4B
1	235345346	C	T	ARID4B
1	235392565	T	C	ARID4B
1	235577776	C	T	TBCE
1	235611729	C	A	TBCE
1	235612070	G	A	TBCE
1	235643446	C	T	B3GALNT2
1	235866186	C	T	LYST
1	235894366	A	C	LYST
1	235909738	G	A	LYST
1	235922671	T	G	LYST
1	235929555	G	A	LYST
1	235938329	A	C	LYST
1	236141174	T	C	NID1
1	236143189	C	T	NID1
1	236157113	T	C	NID1
1	236157150	C	G	NID1
1	236175327	C	A	NID1
1	236176777	T	G	NID1
1	236180498	C	T	NID1
1	236180504	G	T	NID1
1	236205449	G	A	NID1
1	236208773	C	T	NID1
1	236228234	C	T	NID1
1	236371376	G	T	GPR137B
1	236381825	G	C	ERO1B
1	236413230	T	A	ERO1B
1	236416750	T	C	ERO1B
1	236433208	T	G	ERO1B
1	236557771	G	A	EDARADD
1	236645609	C	T	EDARADD
1	236700807	T	A	LGALS8
1	236700857	C	T	LGALS8
1	236706278	G	T	LGALS8
1	236706300	T	A	LGALS8
1	236706862	G	C	LGALS8
1	236706899	C	T	LGALS8
1	236717926	T	C	HEATR1
1	236718620	T	C	HEATR1
1	236719193	A	G	HEATR1
1	236721660	T	C	HEATR1

1	236721679	G	C	HEATR1
1	236722318	T	C	HEATR1
1	236723074	G	C	HEATR1
1	236723108	C	T	HEATR1
1	236724529	C	T	HEATR1
1	236729999	G	C	HEATR1
1	236730157	A	G	HEATR1
1	236732375	T	C	HEATR1
1	236734764	C	T	HEATR1
1	236737983	A	G	HEATR1
1	236740135	T	C	HEATR1
1	236744626	C	T	HEATR1
1	236746370	C	T	HEATR1
1	236749128	A	C	HEATR1
1	236749649	T	C	HEATR1
1	236749730	C	T	HEATR1
1	236750709	C	T	HEATR1
1	236751262	T	C	HEATR1
1	236758851	T	C	HEATR1
1	236758882	T	C	HEATR1
1	236758887	T	C	HEATR1
1	236849999	A	G	ACTN2
1	236918491	C	T	ACTN2
1	236966848	G	A	MTR
1	236979821	G	A	MTR
1	236990141	G	A	MTR
1	237016297	A	G	MTR
1	237025584	C	T	MTR
1	237048500	A	G	MTR
1	237054504	C	T	MTR
1	237729972	C	T	RYR2
1	237755076	A	G	RYR2
1	237778082	G	A	RYR2
1	237778084	G	A	RYR2
1	237841390	A	G	RYR2
1	240070944	G	A	CHRM3
1	240072103	C	T	CHRM3
1	240256668	A	C	FMN2
1	240370684	C	A	FMN2
1	240370702	A	G	FMN2
1	240370769	T	G	FMN2
1	240492734	G	A	FMN2
1	240497221	C	T	FMN2

1	240656550	G	C	<i>GREM2</i>
1	241262028	T	C	<i>RGS7</i>
1	241755348	C	T	<i>KMO</i>
1	241755414	G	A	<i>KMO</i>
1	241755439	A	G	<i>KMO</i>
1	241757989	C	T	<i>OPN3</i>
1	241767627	A	G	<i>OPN3</i>
1	241767708	C	T	<i>OPN3</i>
1	241798443	G	A	<i>CHML</i>
1	241823930	A	G	<i>WDR64</i>
1	241823939	G	A	<i>WDR64</i>
1	241886645	G	C	<i>WDR64</i>
1	241920634	T	C	<i>WDR64</i>
1	241929542	G	A	<i>WDR64</i>
1	242023882	G	A	<i>EX01</i>
1	242023898	A	G	<i>EX01</i>
1	242030151	A	G	<i>EX01</i>
1	242035382	C	T	<i>EX01</i>
1	242035438	G	A	<i>EX01</i>
1	242035444	G	C	<i>EX01</i>
1	242042301	G	A	<i>EX01</i>
1	242042437	G	A	<i>EX01</i>
1	242042454	C	G	<i>EX01</i>
1	242042454	C	T	<i>EX01</i>
1	242042545	A	G	<i>EX01</i>
1	242045275	C	T	<i>EX01</i>
1	242048615	G	C	<i>EX01</i>
1	242048674	C	T	<i>EX01</i>
1	242048680	G	A	<i>EX01</i>
1	242159614	C	T	<i>MAP1LC3C</i>
1	242253166	C	T	<i>PLD5</i>
1	243434296	T	A	<i>SDCCAG8</i>
1	243493907	A	T	<i>SDCCAG8</i>
1	244538685	C	T	<i>C1orf100</i>
1	244541771	C	T	<i>C1orf100</i>
1	244541827	G	C	<i>C1orf100</i>
1	244583585	T	C	<i>ADSS</i>
1	244641216	C	A	<i>C1orf101</i>
1	244723989	C	A	<i>C1orf101</i>
1	244745107	T	C	<i>C1orf101</i>
1	244769086	CTATGG	-	<i>C1orf101</i>
1	244803264	G	A	<i>C1orf101</i>
1	244869045	C	T	<i>DES12</i>

1	245006474	A	G	COX20
1	245704130	G	C	KIF26B
1	245766015	A	G	KIF26B
1	245772651	C	G	KIF26B
1	245848996	G	A	KIF26B
1	245849191	C	T	KIF26B
1	245849697	A	C	KIF26B
1	245849938	C	T	KIF26B
1	245850166	C	T	KIF26B
1	245850988	C	T	KIF26B
1	245861419	C	T	KIF26B
1	246078851	C	T	SMYD3
1	246518369	C	G	SMYD3
1	246729251	C	T	TFB2M
1	246729298	G	A	TFB2M
1	246754956	G	A	CNST
1	246755124	T	C	CNST
1	246797823	A	G	CNST
1	246805265	A	G	CNST
1	246907410	A	G	SCCPDH
1	246930564	G	C	SCCPDH
1	247006051	G	C	AHCTF1
1	247007232	T	A	AHCTF1
1	247053355	G	C	AHCTF1
1	247054344	T	C	AHCTF1
1	247150739	C	T	ZNF695
1	247151035	T	G	ZNF695
1	247162658	C	T	ZNF695
1	247267372	C	A	ZNF669
1	247320105	G	T	ZNF124
1	247587343	G	A	NLRP3
1	247592912	A	G	NLRP3
1	247614617	C	T	OR2B11
1	247614693	C	T	OR2B11
1	247615262	A	-	OR2B11
1	247654931	C	T	OR2W5
1	247694949	G	C	OR2C3
1	247695413	G	A	OR2C3
1	247695427	C	G	OR2C3
1	247695612	G	A	OR2C3
1	247737493	A	C	GCSAML
1	247751731	C	G	OR2G2
1	247752019	G	C	OR2G2

1	247752109	A	G	OR2G2
1	247752367	A	G	OR2G2
1	247769062	A	G	OR2G3
1	247769082	C	A	OR2G3
1	247769412	C	A	OR2G3
1	247769692	G	A	OR2G3
1	247769752	A	G	OR2G3
1	247835674	G	A	OR13G1
1	247835779	C	G	OR13G1
1	247835950	T	C	OR13G1
1	247875313	G	A	OR6F1
1	247875583	G	C	OR6F1
1	247978319	A	G	OR14A16
1	247978542	AGG	-	OR14A16
1	248004775	C	T	OR11L1
1	248004848	G	C	OR11L1
1	248004876	C	T	OR11L1
1	248004877	C	T	OR11L1
1	248004930	T	G	OR11L1
1	248039252	G	A	TRIM58
1	248039294	G	A	TRIM58
1	248059252	C	T	OR2W3
1	248059353	CTC	-	OR2W3
1	248059423	C	T	OR2W3
1	248059456	G	A	OR2W3
1	248059476	A	C	OR2W3
1	248059603	G	A	OR2W3
1	248059703	T	A	OR2W3
1	248059712	T	C	OR2W3
1	248128722	T	C	OR2AK2
1	248129240	G	A	OR2AK2
1	248129304	T	C	OR2AK2
1	248129486	C	T	OR2AK2
1	248185841	G	C	OR2L5
1	248185883	G	A	OR2L5
1	248185890	C	T	OR2L5
1	248262825	G	C	OR2L13
1	248263471	G	A	OR2L13
1	248309356	A	G	OR2M5
1	248402382	T	A	OR2M4
1	248403015	C	A	OR2M4
1	248512498	A	G	OR14C36
1	248512684	G	C	OR14C36

1	248512749	G	A	OR14C36
1	248512767	G	T	OR14C36
1	248550970	A	G	OR2T6
1	248550976	T	G	OR2T6
1	248551009	G	A	OR2T6
1	248551636	T	G	OR2T6
1	248569369	A	G	OR2T1
1	248569903	C	G	OR2T1
1	248636713	G	C	OR2T3
1	248790109	AG	-	OR2T11
1	248790169	-	TT	OR2T11
1	248844830	C	G	OR14I1
1	248844959	T	C	OR14I1
1	248845356	G	T	OR14I1
1	248845415	A	G	OR14I1
1	248845458	C	T	OR14I1
1	248845475	A	G	OR14I1
1	248845499	A	G	OR14I1
1	249107304	G	A	SH3BP5L
1	249142239	G	T	ZNF672
1	249150116	G	C	ZNF692
1	249211619	G	A	PGBD2
2	229986	T	C	SH3YL1
2	242800	T	C	SH3YL1
2	272203	C	T	ACP1
2	669801	T	C	TMEM18
2	672826	G	A	TMEM18
2	1079280	A	C	SNTG2
2	1161295	C	T	SNTG2
2	1204841	G	A	SNTG2
2	1271230	A	G	SNTG2
2	1320143	C	T	SNTG2
2	1437238	C	G	TPO
2	1460004	G	T	TPO
2	1497657	G	A	TPO
2	1499870	A	G	TPO
2	1499927	A	C	TPO
2	1499966	C	G	TPO
2	1544464	C	T	TPO
2	1647242	C	A	PXDN
2	1652362	C	T	PXDN
2	3391458	G	A	TRAPPC12
2	3392295	A	G	TRAPPC12

2	3405593	G	A	TRAPPC12
2	3447577	T	C	TRAPPC12
2	3469399	C	T	TRAPPC12
2	3660935	C	T	COLEC11
2	3673680	A	G	COLEC11
2	3691548	A	G	COLEC11
2	3726083	A	C	ALLC
2	3729251	G	T	ALLC
2	3729254	C	T	ALLC
2	3743870	G	T	ALLC
2	3745030	C	G	ALLC
2	3749152	GAA	-	ALLC
2	3756146	C	T	DCDC2C
2	3789570	T	A	DCDC2C
2	3816957	G	A	DCDC2C
2	6990033	T	C	CMPK2
2	6990069	C	T	CMPK2
2	7018056	T	G	RSAD2
2	7164525	G	A	RNF144A
2	8871342	C	A	KIDINS220
2	8890333	T	C	KIDINS220
2	8998871	T	C	MBOAT2
2	9528536	G	C	ASAP2
2	9533695	C	T	ASAP2
2	9540915	A	G	ASAP2
2	9593064	A	G	CPSF3
2	9616161	C	G	IAH1
2	9628433	G	A	IAH1
2	9630541	G	A	ADAM17
2	9633092	C	T	ADAM17
2	9645368	G	A	ADAM17
2	9683364	T	C	ADAM17
2	10044994	C	T	TAF1B
2	10044999	C	G	TAF1B
2	10045024	G	A	TAF1B
2	10050960	A	G	TAF1B
2	10059770	G	T	TAF1B
2	10059844	C	T	TAF1B
2	10074012	C	A	TAF1B
2	10126330	G	A	GRHL1
2	10186419	A	G	KLF11
2	10188246	C	T	KLF11
2	10262845	T	C	RRM2

2	10262920	T	G	<i>RRM2</i>
2	10350599	G	C	<i>C2orf48</i>
2	10717806	C	T	<i>NOL10</i>
2	10740989	T	C	<i>NOL10</i>
2	10747407	A	C	<i>NOL10</i>
2	10908893	A	G	<i>ATP6V1C2</i>
2	10924446	C	T	<i>PDIA6</i>
2	10930903	T	C	<i>PDIA6</i>
2	10959475	G	C	<i>PDIA6</i>
2	11284184	T	C	<i>C2orf50</i>
2	11355037	T	C	<i>ROCK2</i>
2	11359120	G	T	<i>ROCK2</i>
2	11389842	A	C	<i>ROCK2</i>
2	11702661	A	C	<i>GREB1</i>
2	11706672	C	T	<i>GREB1</i>
2	11706693	T	C	<i>GREB1</i>
2	11706711	C	T	<i>GREB1</i>
2	11720838	T	C	<i>GREB1</i>
2	11725947	T	C	<i>GREB1</i>
2	11727568	G	A	<i>GREB1</i>
2	11736305	G	A	<i>GREB1</i>
2	11738081	C	T	<i>GREB1</i>
2	11740961	C	T	<i>GREB1</i>
2	11758536	C	A	<i>GREB1</i>
2	11765378	G	A	<i>GREB1</i>
2	11774324	G	A	<i>GREB1</i>
2	11798675	G	A	<i>NTSR2</i>
2	11802146	C	T	<i>NTSR2</i>
2	11927238	G	A	<i>LPIN1</i>
2	11932055	A	G	<i>LPIN1</i>
2	11943082	C	T	<i>LPIN1</i>
2	12858444	A	G	<i>TRIB2</i>
2	14775645	T	C	<i>LOC653602</i>
2	15319114	T	C	<i>NBAS</i>
2	15319147	C	T	<i>NBAS</i>
2	15374831	C	T	<i>NBAS</i>
2	15432775	C	T	<i>NBAS</i>
2	15468425	A	C	<i>NBAS</i>
2	15470841	T	C	<i>NBAS</i>
2	15496430	T	C	<i>NBAS</i>
2	15519924	C	T	<i>NBAS</i>
2	15534391	G	A	<i>NBAS</i>
2	15542296	A	G	<i>NBAS</i>

2	15542352	C	T	NBAS
2	15601897	G	A	NBAS
2	15607842	T	C	NBAS
2	15613369	C	T	NBAS
2	15618404	C	G	NBAS
2	15674686	T	C	NBAS
2	16082204	G	A	MYCN
2	17692189	C	T	RAD51AP2
2	17696573	C	T	RAD51AP2
2	17696756	C	T	RAD51AP2
2	17697404	C	A	RAD51AP2
2	17697635	T	C	RAD51AP2
2	17697870	C	T	RAD51AP2
2	17698085	C	T	RAD51AP2
2	17698091	G	A	RAD51AP2
2	17698213	C	G	RAD51AP2
2	17698220	G	A	RAD51AP2
2	17884495	C	T	SMC6
2	17897488	T	C	SMC6
2	17942775	T	A	GEN1
2	17946243	A	G	GEN1
2	17947886	G	A	GEN1
2	17947927	A	G	GEN1
2	17954003	G	A	GEN1
2	17954397	G	A	GEN1
2	17962005	C	G	GEN1
2	17962518	C	T	GEN1
2	17962994	AAGTT	-	GEN1
2	17963123	A	G	GEN1
2	17963171	C	T	GEN1
2	17998025	A	T	MSGN1
2	17998095	C	T	MSGN1
2	18113619	G	A	KCNS3
2	18113623	A	G	KCNS3
2	18736630	C	T	NT5C1B
2	18736719	A	G	NT5C1B
2	18745234	C	T	NT5C1B
2	18768318	C	T	NT5C1B
2	19552065	C	G	OSR1
2	20130259	G	A	WDR35
2	20131079	T	C	WDR35
2	20133221	C	T	WDR35
2	20173353	T	A	WDR35

2	20178593	G	A	WDR35
2	20189015	T	C	WDR35
2	20202930	G	A	MATN3
2	20205541	C	T	MATN3
2	20234122	C	A	LAPTM4A
2	20403770	G	A	SDC1
2	20403794	A	T	SDC1
2	20494189	T	C	PUM2
2	20518340	G	T	PUM2
2	20818764	C	T	HS1BP3
2	20818883	G	C	HS1BP3
2	20824605	G	A	HS1BP3
2	20824613	T	G	HS1BP3
2	20840823	G	A	HS1BP3
2	20845183	C	T	HS1BP3
2	20974689	C	T	LDAH
2	20990072	T	C	LDAH
2	20990135	A	G	LDAH
2	21224843	G	A	APOB
2	21224853	C	T	APOB
2	21225281	C	T	APOB
2	21225485	C	G	APOB
2	21225500	A	G	APOB
2	21225753	C	T	APOB
2	21227503	T	C	APOB
2	21228263	G	A	APOB
2	21228827	C	T	APOB
2	21229905	T	C	APOB
2	21231190	A	C	APOB
2	21231278	G	A	APOB
2	21231524	G	A	APOB
2	21232125	C	T	APOB
2	21232803	T	C	APOB
2	21233099	TCA	-	APOB
2	21233972	T	C	APOB
2	21233999	T	C	APOB
2	21234674	C	T	APOB
2	21234902	C	G	APOB
2	21238323	G	A	APOB
2	21238367	C	T	APOB
2	21249700	A	T	APOB
2	21249716	C	T	APOB
2	21250914	G	A	APOB

2	21263900	G	A	APOB
2	21360583	A	G	TDRD15
2	21360724	A	C	TDRD15
2	21360824	T	G	TDRD15
2	21361576	C	G	TDRD15
2	21364562	C	T	TDRD15
2	23926150	G	A	KLHL29
2	24042689	T	C	ATAD2B
2	24046196	T	C	ATAD2B
2	24090806	T	C	ATAD2B
2	24108652	T	C	ATAD2B
2	24236236	G	A	MFSD2B
2	24244603	G	A	MFSD2B
2	24245713	C	G	MFSD2B
2	24260860	G	A	C2orf44
2	24262060	G	A	C2orf44
2	24262331	C	G	C2orf44
2	24300563	T	C	TP53I3
2	24302375	G	C	TP53I3
2	24344072	T	G	PFN4
2	24345324	C	T	PFN4
2	24413298	A	G	FAM228A
2	24431123	C	T	ITSN2
2	24431127	T	G	ITSN2
2	24431184	C	T	ITSN2
2	24432793	T	C	ITSN2
2	24435599	G	A	ITSN2
2	24475269	A	G	ITSN2
2	24483979	C	G	ITSN2
2	24483997	G	T	ITSN2
2	24498698	G	C	ITSN2
2	24524958	C	T	ITSN2
2	24929631	A	G	NCOA1
2	24930055	A	T	NCOA1
2	24974958	C	T	NCOA1
2	24980955	A	G	NCOA1
2	25016350	G	C	CENPO
2	25022598	A	G	CENPO
2	25038564	T	G	CENPO
2	25039615	C	T	CENPO
2	25141538	A	G	ADCY3
2	25359453	G	A	EFR3B
2	25384048	G	C	POMC

2	25384113	T	C	POMC
2	25384360	G	C	POMC
2	25384456	-	GCCGCTGCT	POMC
2	25457242	C	T	DNMT3A
2	25754343	C	T	DTNB
2	25861939	C	T	DTNB
2	25965095	G	T	ASXL2
2	25965982	C	T	ASXL2
2	25966027	T	C	ASXL2
2	25972785	T	C	ASXL2
2	25991689	T	C	ASXL2
2	26022277	T	C	ASXL2
2	26203678	T	C	KIF3C
2	26405871	C	G	GAREM2
2	26407120	A	T	GAREM2
2	26418053	C	G	HADHA
2	26532443	T	C	ADGRF3
2	26533898	C	T	ADGRF3
2	26534041	T	C	ADGRF3
2	26534087	G	A	ADGRF3
2	26534245	G	A	ADGRF3
2	26534250	T	C	ADGRF3
2	26534698	A	G	ADGRF3
2	26534801	G	A	ADGRF3
2	26534813	A	G	ADGRF3
2	26534872	C	T	ADGRF3
2	26536694	C	T	ADGRF3
2	26536727	C	T	ADGRF3
2	26537347	C	T	ADGRF3
2	26539806	A	G	ADGRF3
2	26539862	T	G	ADGRF3
2	26541813	T	A	ADGRF3
2	26663349	C	T	DRC1
2	26667130	A	G	DRC1
2	26667592	C	T	DRC1
2	26677616	A	T	DRC1
2	26678040	G	T	DRC1
2	26678082	A	C	DRC1
2	26679362	G	A	DRC1
2	26686872	G	A	OTOF
2	26689619	T	A	OTOF
2	26693518	G	C	OTOF
2	26696374	C	T	OTOF

2	26700099	G	A	OTOF
2	26700309	C	T	OTOF
2	26700316	G	A	OTOF
2	26700373	G	A	OTOF
2	26700694	A	C	OTOF
2	26700697	A	G	OTOF
2	26700700	G	A	OTOF
2	26702223	C	T	OTOF
2	26703734	C	T	OTOF
2	26703827	G	A	OTOF
2	26750769	G	A	OTOF
2	26750782	G	A	OTOF
2	26798893	A	T	C2orf70
2	26798897	G	A	C2orf70
2	26798927	C	G	C2orf70
2	26818069	C	A	CIB4
2	26950674	C	A	KCNK3
2	27157542	C	T	DPYSL5
2	27167617	G	A	DPYSL5
2	27259421	G	A	TMEM214
2	27260469	G	A	TMEM214
2	27282266	G	A	AGBL5
2	27303755	A	G	EMILIN1
2	27308159	G	A	EMILIN1
2	27315252	G	A	KHK
2	27324663	C	T	CGREF1
2	27327221	G	A	CGREF1
2	27353436	G	A	ABHD1
2	27353507	G	C	ABHD1
2	27353509	A	G	ABHD1
2	27360578	T	C	PRR30
2	27360965	G	C	PRR30
2	27373166	G	A	TCF23
2	27423371	A	G	SLC5A6
2	27423913	G	A	SLC5A6
2	27423972	C	T	SLC5A6
2	27424304	C	T	SLC5A6
2	27424636	G	A	SLC5A6
2	27435165	G	A	ATRAID
2	27435268	C	T	ATRAID
2	27438615	G	C	ATRAID
2	27439751	G	T	ATRAID
2	27461368	T	C	CAD

2	27465608	G	C	CAD
2	27499675	G	A	DNAJC5G
2	27558834	G	C	GTF3C2
2	27565880	G	A	GTF3C2
2	27590038	G	C	EIF2B4
2	27594142	A	C	SNX17
2	27596143	G	A	SNX17
2	27601384	C	T	ZNF513
2	27601843	G	A	ZNF513
2	27606853	TCT	-	PPM1G
2	27677498	C	A	IFT172
2	27680746	G	C	IFT172
2	27682309	C	T	IFT172
2	27693802	G	C	IFT172
2	27720202	G	A	GCKR
2	27726437	A	C	GCKR
2	27730940	T	C	GCKR
2	27745372	C	T	GCKR
2	27745373	G	A	GCKR
2	27799773	A	C	C2orf16
2	27799936	G	T	C2orf16
2	27801403	C	G	C2orf16
2	27801418	C	A	C2orf16
2	27801759	A	G	C2orf16
2	27802420	G	C	C2orf16
2	27802866	T	C	C2orf16
2	27803089	T	C	C2orf16
2	27804850	G	A	C2orf16
2	27849927	A	G	CCDC121
2	27849929	TC	-	CCDC121
2	27851918	G	A	GPN1
2	27861811	A	C	GPN1
2	27883899	T	G	SUPT7L
2	27887034	C	A	SLC4A1AP
2	27887160	C	T	SLC4A1AP
2	28081439	C	G	RBKS
2	28117455	C	G	BRE
2	28532947	A	C	BRE
2	28761981	G	A	PLB1
2	28761981	G	C	PLB1
2	28812900	G	A	PLB1
2	28814033	A	G	PLB1
2	28824793	C	G	PLB1

2	28824803	G	A	PLB1
2	28825724	A	T	PLB1
2	28826915	G	A	PLB1
2	28827625	C	T	PLB1
2	28836901	G	A	PLB1
2	28843148	G	A	PLB1
2	28852019	G	A	PLB1
2	28854958	C	T	PLB1
2	28854972	C	A	PLB1
2	29074121	C	T	TRMT61B
2	29074141	A	G	TRMT61B
2	29084010	C	G	TRMT61B
2	29124976	C	T	WDR43
2	29164387	A	G	WDR43
2	29222107	G	A	FAM179A
2	29222136	CTGGACACCC	-	FAM179A
2	29225504	T	C	FAM179A
2	29226389	A	G	FAM179A
2	29237314	C	G	FAM179A
2	29240050	G	C	FAM179A
2	29240060	A	G	FAM179A
2	29240673	G	A	FAM179A
2	29240758	CCGGGCCTC	-	FAM179A
2	29240762	G	-	FAM179A
2	29245036	C	T	FAM179A
2	29246044	T	C	FAM179A
2	29256374	C	T	FAM179A
2	29258439	-	TCCGG	FAM179A
2	29259543	T	C	FAM179A
2	29274706	C	T	FAM179A
2	29274720	A	G	FAM179A
2	29274730	G	T	FAM179A
2	29274898	-	CAGAGGGGTG	FAM179A
2	29287863	C	T	C2orf71
2	29294069	T	C	C2orf71
2	29294070	G	T	C2orf71
2	29294253	C	T	C2orf71
2	29294264	C	T	C2orf71
2	29294754	G	C	C2orf71
2	29295065	C	T	C2orf71
2	29295389	G	A	C2orf71
2	29295831	G	A	C2orf71
2	29295866	T	C	C2orf71

2	29296373	G	T	<i>C2orf71</i>
2	29344334	C	G	<i>CLIP4</i>
2	29383256	G	T	<i>CLIP4</i>
2	29416366	G	C	<i>ALK</i>
2	29416481	T	C	<i>ALK</i>
2	29416572	T	C	<i>ALK</i>
2	29497967	G	A	<i>ALK</i>
2	29543736	A	G	<i>ALK</i>
2	30863108	A	G	<i>LCLAT1</i>
2	30957326	A	G	<i>CAPN13</i>
2	30975961	G	T	<i>CAPN13</i>
2	30980940	C	T	<i>CAPN13</i>
2	30985977	G	A	<i>CAPN13</i>
2	30987041	G	C	<i>CAPN13</i>
2	30987153	C	G	<i>CAPN13</i>
2	30993308	T	A	<i>CAPN13</i>
2	31135184	G	T	<i>GALNT14</i>
2	31155016	C	T	<i>GALNT14</i>
2	31178838	C	T	<i>GALNT14</i>
2	31178841	C	T	<i>GALNT14</i>
2	31215758	C	T	<i>GALNT14</i>
2	31215798	C	T	<i>GALNT14</i>
2	31348076	G	A	<i>GALNT14</i>
2	31360928	C	G	<i>GALNT14</i>
2	31401419	G	C	<i>CAPN14</i>
2	31410653	C	T	<i>CAPN14</i>
2	31411184	C	A	<i>CAPN14</i>
2	31417290	T	C	<i>CAPN14</i>
2	31420143	C	T	<i>CAPN14</i>
2	31420161	G	A	<i>CAPN14</i>
2	31425971	T	G	<i>CAPN14</i>
2	31560572	G	A	<i>XDH</i>
2	31562464	G	A	<i>XDH</i>
2	31562482	G	T	<i>XDH</i>
2	31564244	A	G	<i>XDH</i>
2	31588936	T	A	<i>XDH</i>
2	31590917	T	C	<i>XDH</i>
2	31593265	T	C	<i>XDH</i>
2	31593316	C	A	<i>XDH</i>
2	31611143	C	T	<i>XDH</i>
2	32289031	C	T	<i>SPAST</i>
2	32312629	G	A	<i>SPAST</i>
2	32463365	C	A	<i>NLRC4</i>

2	32517384	C	G	YIPF4
2	32530639	A	G	YIPF4
2	32640782	A	G	BIRC6
2	32667182	G	C	BIRC6
2	32667393	T	C	BIRC6
2	32689829	G	A	BIRC6
2	32689842	C	T	BIRC6
2	32724715	C	G	BIRC6
2	32740353	C	T	BIRC6
2	32819010	G	A	BIRC6
2	32842895	G	A	BIRC6
2	32865434	G	A	TTC27
2	32961858	A	G	TTC27
2	32983480	G	A	TTC27
2	33037578	A	G	TTC27
2	33045980	G	T	TTC27
2	33246146	G	A	LTBP1
2	33468831	C	T	LTBP1
2	33484666	C	G	LTBP1
2	33487873	C	A	LTBP1
2	33505139	C	A	LTBP1
2	33518244	G	A	LTBP1
2	33567971	C	T	LTBP1
2	33741704	C	G	RASGRP3
2	33745697	T	C	RASGRP3
2	33752240	G	A	RASGRP3
2	33764176	A	G	RASGRP3
2	33809851	T	C	FAM98A
2	33809994	C	A	FAM98A
2	33810638	T	C	FAM98A
2	36704089	G	A	CRIM1
2	36706700	A	C	CRIM1
2	36737222	G	A	CRIM1
2	36782886	G	A	FEZ2
2	36785616	G	C	FEZ2
2	36970307	A	T	VIT
2	36986261	G	A	VIT
2	37000956	C	G	VIT
2	37032796	T	A	VIT
2	37035934	A	G	VIT
2	37035945	C	A	VIT
2	37041439	C	T	VIT
2	37105041	G	A	STRN

2	37111123	G	A	STRN
2	37227797	C	G	HEATR5B
2	37319156	A	C	GPATCH11
2	37395103	T	C	SULT6B1
2	37402356	C	G	SULT6B1
2	37406643	C	T	SULT6B1
2	37406680	C	G	SULT6B1
2	37414548	T	C	SULT6B1
2	37414586	A	T	SULT6B1
2	37415603	C	T	SULT6B1
2	37428927	TTT	-	CEBPZ
2	37428928	T	-	CEBPZ
2	37449577	C	T	CEBPZ
2	37450350	G	A	CEBPZ
2	37450393	A	T	CEBPZ
2	37454811	C	T	CEBPZ
2	37456032	C	T	CEBPZ
2	37458668	G	A	CEBPZ
2	37502951	G	T	PRKD3
2	37513340	C	T	PRKD3
2	37513364	T	C	PRKD3
2	37516543	G	A	PRKD3
2	37543544	T	C	PRKD3
2	37579971	C	T	QPCT
2	37599857	T	G	QPCT
2	37599896	A	C	QPCT
2	38179134	G	A	RMDN2
2	38224647	A	G	RMDN2
2	38298139	T	C	CYP1B1
2	38298169	G	C	CYP1B1
2	38298203	C	G	CYP1B1
2	38298394	C	T	CYP1B1
2	38301847	C	T	CYP1B1
2	38536627	C	T	ATL2
2	38537579	T	C	ATL2
2	38604351	A	G	ATL2
2	38916968	T	C	GALM
2	38916970	A	T	GALM
2	39008949	G	A	GEMIN6
2	39025499	G	A	DHX57
2	39042718	T	G	DHX57
2	39082269	C	T	DHX57
2	39082344	T	C	DHX57

2	39083534	T	C	<i>DHX57</i>
2	39088323	G	A	<i>DHX57</i>
2	39088786	T	C	<i>DHX57</i>
2	39089387	C	T	<i>DHX57</i>
2	39095403	C	T	<i>DHX57</i>
2	39095411	CCA	-	<i>DHX57</i>
2	39109558	G	A	<i>MORN2</i>
2	39158297	C	G	<i>ARHGEF33</i>
2	39187008	G	C	<i>ARHGEF33</i>
2	39224112	T	C	<i>SOS1</i>
2	39241107	G	A	<i>SOS1</i>
2	39414820	A	C	<i>CDKL4</i>
2	39487824	C	T	<i>MAP4K3</i>
2	39499487	C	T	<i>MAP4K3</i>
2	39509689	T	C	<i>MAP4K3</i>
2	39519957	C	T	<i>MAP4K3</i>
2	39542484	C	T	<i>MAP4K3</i>
2	40392088	T	A	<i>SLC8A1</i>
2	40404966	C	T	<i>SLC8A1</i>
2	40655875	A	T	<i>SLC8A1</i>
2	42165754	C	T	<i>C2orf91</i>
2	42180185	T	C	<i>C2orf91</i>
2	42180424	C	T	<i>C2orf91</i>
2	42280448	G	A	<i>PKDCC</i>
2	42281312	G	A	<i>PKDCC</i>
2	42510018	A	G	<i>EML4</i>
2	42515388	A	G	<i>EML4</i>
2	42515437	A	G	<i>EML4</i>
2	42515451	G	A	<i>EML4</i>
2	42530292	G	A	<i>EML4</i>
2	42578483	G	A	<i>COX7A2L</i>
2	42836614	A	C	<i>MTA3</i>
2	42946134	A	G	<i>MTA3</i>
2	42990088	C	T	<i>OXER1</i>
2	42990101	G	C	<i>OXER1</i>
2	42990225	C	G	<i>OXER1</i>
2	42990569	G	A	<i>OXER1</i>
2	42990651	GAG	-	<i>OXER1</i>
2	42991200	C	G	<i>OXER1</i>
2	42994814	C	G	<i>HAAO</i>
2	43015704	T	A	<i>HAAO</i>
2	43015719	T	C	<i>HAAO</i>
2	43452618	C	T	<i>ZFP36L2</i>

2	43506979	C	T	THADA
2	43547672	G	A	THADA
2	43571277	G	A	THADA
2	43571360	T	C	THADA
2	43625184	T	A	THADA
2	43655277	AGA	-	THADA
2	43732823	T	C	THADA
2	43768345	T	C	THADA
2	43768451	TTT	-	THADA
2	43797619	C	T	THADA
2	43814095	G	A	THADA
2	43902757	C	G	C1GALT1C1L
2	43902763	A	C	C1GALT1C1L
2	43903034	G	A	C1GALT1C1L
2	43903262	C	A	C1GALT1C1L
2	43924417	C	T	PLEKHH2
2	43927374	A	G	PLEKHH2
2	43927538	C	A	PLEKHH2
2	43931168	G	A	PLEKHH2
2	43968167	G	A	PLEKHH2
2	43973099	A	G	PLEKHH2
2	43984264	A	T	PLEKHH2
2	43989525	C	G	PLEKHH2
2	44004010	T	C	DYNC2LI1
2	44021826	T	A	DYNC2LI1
2	44023025	G	A	DYNC2LI1
2	44028013	A	T	DYNC2LI1
2	44040347	T	C	ABCG5
2	44040401	G	C	ABCG5
2	44047136	T	C	ABCG5
2	44055163	C	T	ABCG5
2	44065739	C	G	ABCG5
2	44079755	G	A	ABCG8
2	44099433	C	A	ABCG8
2	44099435	A	T	ABCG8
2	44104771	AGA	-	ABCG8
2	44104925	T	C	ABCG8
2	44104954	G	A	ABCG8
2	44176798	T	A	LRPPRC
2	44190789	T	C	LRPPRC
2	44200814	C	T	LRPPRC
2	44457558	G	A	PPM1B
2	44507990	C	T	SLC3A1

2	44513202	T	C	SLC3A1
2	44528268	T	-	SLC3A1
2	44528268	T	-	SLC3A1
2	44539773	T	C	SLC3A1
2	44539792	T	C	SLC3A1
2	44547574	G	A	SLC3A1
2	45233463	G	A	SIX2
2	45233478	G	A	SIX2
2	45236124	G	C	SIX2
2	45620215	T	A	SRBD1
2	45640302	G	C	SRBD1
2	45640334	T	C	SRBD1
2	45640374	C	A	SRBD1
2	45826643	G	A	SRBD1
2	46603747	G	A	EPAS1
2	46603764	T	A	EPAS1
2	46609572	A	C	EPAS1
2	46707812	-	GCAGCACGAGC	TMEM247
2	46707812	-	GCAGCACGAGC	TMEM247
2	46707827	T	C	TMEM247
2	46839434	T	C	PIGF
2	47168856	C	G	TTC7A
2	47184066	G	T	TTC7A
2	47238530	G	A	TTC7A
2	47249055	G	A	TTC7A
2	47251469	G	C	TTC7A
2	47273468	A	G	TTC7A
2	47274443	G	T	TTC7A
2	47277182	T	C	TTC7A
2	47287925	C	A	TTC7A
2	47314198	C	A	C2orf61
2	47380145	T	C	C2orf61
2	47382342	G	T	C2orf61
2	47601029	G	C	EPCAM
2	47607081	A	G	EPCAM
2	47643457	G	A	MSH2
2	47748741	G	A	KCNK12
2	48010488	G	A	MSH6
2	48018236	G	T	MSH6
2	48026308	C	G	MSH6
2	48026630	C	G	MSH6
2	48026648	T	C	MSH6
2	48027755	T	C	MSH6

2	48722897	G	T	PPP1R21
2	48808774	G	C	STON1
2	48808883	G	C	STON1
2	48809255	G	A	STON1
2	48809609	C	G	STON1
2	48873814	C	T	STON1
2	48873925	A	G	STON1
2	48873978	A	G	STON1
2	48896897	A	G	STON1
2	48921375	T	C	LHCGR
2	48952861	A	T	LHCGR
2	49189921	C	T	FSHR
2	49191041	C	T	FSHR
2	49216155	C	T	FSHR
2	50724745	G	T	NRXN1
2	50724817	G	A	NRXN1
2	50847195	G	A	NRXN1
2	53943803	C	T	ASB3
2	53943868	T	C	ASB3
2	53955982	T	A	ASB3
2	53992622	G	C	GPR75
2	53995049	T	C	CHAC2
2	53995118	TC	-	CHAC2
2	53995122	GCAGGGCAGC,-	-	CHAC2
2	54035508	G	C	ERLEC1
2	54040161	A	C	ERLEC1
2	54081548	C	T	GPR75
2	54120025	A	T	PSME4
2	54127040	C	T	PSME4
2	54135936	T	C	PSME4
2	54197829	C	A	PSME4
2	54365802	A	G	ACYP2
2	54482553	G	A	TSPYL6
2	54482704	GGGCC	-	TSPYL6
2	54482964	C	T	TSPYL6
2	54483272	C	A	TSPYL6
2	54587596	C	T	C2orf73
2	54587647	C	T	C2orf73
2	54587659	G	C	C2orf73
2	54853229	C	T	SPTBN1
2	54886366	A	G	SPTBN1
2	55054839	A	G	EML6
2	55077335	G	A	EML6

2	55122061	A	G	<i>EML6</i>
2	55122122	C	G	<i>EML6</i>
2	55143907	A	G	<i>EML6</i>
2	55144046	G	A	<i>EML6</i>
2	55155592	C	T	<i>EML6</i>
2	55252795	G	T	<i>RTN4</i>
2	55254165	T	A	<i>RTN4</i>
2	55404794	G	A	<i>CLHC1</i>
2	55407754	C	T	<i>CLHC1</i>
2	55407792	G	A	<i>CLHC1</i>
2	55408785	C	G	<i>CLHC1</i>
2	55436809	G	A	<i>CLHC1</i>
2	55436934	G	A	<i>CLHC1</i>
2	55449412	C	A	<i>CLHC1</i>
2	55467216	G	A	<i>MTIF2</i>
2	55490819	G	T	<i>MTIF2</i>
2	55544736	T	C	<i>CCDC88A</i>
2	55561944	T	A	<i>CCDC88A</i>
2	55771161	A	G	<i>CFAP36</i>
2	55771169	A	T	<i>CFAP36</i>
2	55771462	T	C	<i>CFAP36</i>
2	55785943	T	C	<i>PPP4R3B</i>
2	55792169	G	C	<i>PPP4R3B</i>
2	55812201	G	C	<i>PPP4R3B</i>
2	55825844	A	G	<i>PPP4R3B</i>
2	55872538	T	C	<i>PNPT1</i>
2	55874559	C	T	<i>PNPT1</i>
2	55912120	T	C	<i>PNPT1</i>
2	55920837	C	G	<i>PNPT1</i>
2	56145171	T	G	<i>EFEMP1</i>
2	56420006	A	T	<i>CCDC85A</i>
2	56420296	C	T	<i>CCDC85A</i>
2	58276070	T	C	<i>VRK2</i>
2	58313555	G	A	<i>VRK2</i>
2	58316814	A	G	<i>VRK2</i>
2	58350324	A	G	<i>VRK2</i>
2	58386928	-	TAAT	<i>FANCL</i>
2	58459232	G	A	<i>FANCL</i>
2	61258816	G	A	<i>PEX13</i>
2	61272966	T	C	<i>PEX13</i>
2	61275771	C	G	<i>PEX13</i>
2	61361326	G	-	<i>KIAA1841</i>
2	61483548	A	T	<i>USP34</i>

2	61507387	C	T	USP34
2	61575149	A	G	USP34
2	61575308	A	G	USP34
2	61576404	T	G	USP34
2	61577409	A	G	USP34
2	62066986	G	C	FAM161A
2	62067006	A	C	FAM161A
2	62067433	T	C	FAM161A
2	62069358	T	C	FAM161A
2	62069482	G	A	FAM161A
2	62228013	C	T	COMMD1
2	62733201	A	T	TMEM17
2	63101587	C	G	EHBP1
2	63175645	A	T	EHBP1
2	63175759	A	G	EHBP1
2	63176179	A	G	EHBP1
2	63220672	C	T	EHBP1
2	63220680	C	G	EHBP1
2	63401820	T	C	WDPCP
2	63631285	C	G	WDPCP
2	63631303	C	T	WDPCP
2	63660902	C	T	WDPCP
2	63713709	C	G	WDPCP
2	63714613	A	T	WDPCP
2	64085066	A	T	UGP2
2	64176251	T	C	VPS54
2	64778730	G	A	AFTPH
2	64779195	G	A	AFTPH
2	64779509	G	A	AFTPH
2	64780256	A	T	AFTPH
2	64780466	A	G	AFTPH
2	64863681	G	A	SERTAD2
2	64863751	C	T	SERTAD2
2	65216817	G	A	SLC1A4
2	65245365	G	A	SLC1A4
2	65296657	A	G	CEP68
2	65296693	G	C	CEP68
2	65296745	G	T	CEP68
2	65296798	G	A	CEP68
2	65298647	AAC	-	CEP68
2	65299298	C	A	CEP68
2	65299300	G	C	CEP68
2	65299420	T	C	CEP68

2	65541063	C	G	SPRED2
2	65541087	C	A	SPRED2
2	67626390	A	G	ETAA1
2	67630476	T	C	ETAA1
2	67630980	G	A	ETAA1
2	67631129	G	A	ETAA1
2	67632125	C	T	ETAA1
2	68361859	C	T	WDR92
2	68364478	T	C	WDR92
2	68385097	A	G	PNO1
2	68592496	C	T	PLEK
2	68607947	G	T	PLEK
2	68607978	A	C	PLEK
2	68615546	A	C	PLEK
2	68622914	G	A	PLEK
2	68717350	A	T	APLF
2	68729939	A	G	APLF
2	68729992	A	G	APLF
2	68740695	A	G	APLF
2	68753240	T	A	APLF
2	68765135	AAG	-	APLF
2	68794483	C	A	APLF
2	68805143	A	-	APLF
2	68873071	A	G	PROKR1
2	68882545	T	A	PROKR1
2	68882661	A	G	PROKR1
2	69040504	G	A	ARHGAP25
2	69049808	C	T	ARHGAP25
2	69049939	G	T	ARHGAP25
2	69049941	T	C	ARHGAP25
2	69053141	G	A	ARHGAP25
2	69093413	G	A	BMP10
2	69093439	G	C	BMP10
2	69177269	C	A	GKN2
2	69201799	G	A	GKN1
2	69659126	A	T	NFU1
2	69723170	G	C	AAK1
2	69734636	G	A	AAK1
2	69736561	A	G	AAK1
2	69748053	T	A	AAK1
2	70033584	C	T	ANXA4
2	70037739	C	G	ANXA4
2	70045787	G	C	ANXA4

2	70064786	A	G	GMCL1
2	70074757	A	C	GMCL1
2	70188531	C	T	ASPRV1
2	70188562	C	T	ASPRV1
2	70188676	T	C	ASPRV1
2	70315126	A	G	PCBP1
2	70392698	A	G	C2orf42
2	70406718	C	A	C2orf42
2	70408444	G	A	C2orf42
2	70439942	T	C	TIA1
2	70441562	T	C	TIA1
2	70488470	C	T	PCYOX1
2	70900420	C	T	ADD2
2	70901896	G	A	ADD2
2	70910843	C	-	ADD2
2	70910843	CTC	-	ADD2
2	70933491	C	T	ADD2
2	71012734	C	G	FIGLA
2	71036482	T	C	CLEC4F
2	71036961	A	G	CLEC4F
2	71043293	G	A	CLEC4F
2	71043461	C	T	CLEC4F
2	71043467	T	C	CLEC4F
2	71046535	C	T	CLEC4F
2	71058230	T	A	CD207
2	71058306	T	C	CD207
2	71058878	A	G	CD207
2	71060111	G	A	CD207
2	71060936	G	C	CD207
2	71061001	T	A	CD207
2	71062833	-	C	CD207
2	71062837	G	A	CD207
2	71160180	C	A	VAX2
2	71160222	C	G	VAX2
2	71163086	T	C	ATP6V1B1
2	71163173	C	T	ATP6V1B1
2	71187104	G	A	ATP6V1B1
2	71189936	C	T	ATP6V1B1
2	71211883	G	T	ANKRD53
2	71212129	A	T	ANKRD53
2	71212336	T	C	ANKRD53
2	71212405	T	C	ANKRD53
2	71221876	C	T	TEX261

2	71295736	C	G	NAGK
2	71337203	C	T	MCEE
2	71337204	G	A	MCEE
2	71351403	C	A	MCEE
2	71351487	G	A	MCEE
2	71360144	A	C	MPHOSPH10
2	71360282	G	A	MPHOSPH10
2	71360399	A	G	MPHOSPH10
2	71360431	G	A	MPHOSPH10
2	71360615	ATA	-	MPHOSPH10
2	71376471	G	A	MPHOSPH10
2	71591142	C	T	ZNF638
2	71607662	A	G	ZNF638
2	71625864	C	A	ZNF638
2	71631109	A	G	ZNF638
2	71651043	G	C	ZNF638
2	71654175	G	A	ZNF638
2	71658541	C	T	ZNF638
2	71740897	C	A	DYSF
2	71753416	G	C	DYSF
2	71762217	A	G	DYSF
2	71762413	G	A	DYSF
2	71780265	T	C	DYSF
2	71791332	A	G	DYSF
2	71797041	A	T	DYSF
2	71797381	A	C	DYSF
2	71838438	C	G	DYSF
2	71838463	G	T	DYSF
2	71886111	G	A	DYSF
2	71887715	T	C	DYSF
2	71892383	C	T	DYSF
2	71894521	C	A	DYSF
2	72359481	G	A	CYP26B1
2	72361960	A	G	CYP26B1
2	72945368	C	T	EXOC6B
2	73195646	G	A	SFXN5
2	73198732	G	T	SFXN5
2	73298797	GCC	-	SFXN5
2	73315396	CTT	-	RAB11FIP5
2	73438037	G	A	NOTO
2	73447912	-	AGG	SMYD5
2	73450610	G	A	SMYD5
2	73476302	A	G	CCT7

2	73477492	G	A	CCT7
2	73491614	C	T	FBXO41
2	73492584	G	A	FBXO41
2	73492614	A	T	FBXO41
2	73518628	C	G	EGR4
2	73519177	G	A	EGR4
2	73653610	G	A	ALMS1
2	73675110	A	G	ALMS1
2	73675227	-	CTC	ALMS1
2	73675525	A	G	ALMS1
2	73675669	T	G	ALMS1
2	73675690	A	G	ALMS1
2	73678616	G	T	ALMS1
2	73679013	A	G	ALMS1
2	73679280	A	G	ALMS1
2	73679866	T	C	ALMS1
2	73679956	C	T	ALMS1
2	73680508	G	C	ALMS1
2	73680922	A	G	ALMS1
2	73716810	G	A	ALMS1
2	73717103	G	C	ALMS1
2	73717567	G	T	ALMS1
2	73717656	A	G	ALMS1
2	73747074	C	T	ALMS1
2	73799632	C	G	ALMS1
2	73828453	C	T	ALMS1
2	73828538	G	A	ALMS1
2	73868328	A	G	NAT8
2	73868394	A	G	NAT8
2	73868538	G	A	NAT8
2	74007136	T	C	DUSP11
2	74040982	T	C	C2orf78
2	74043126	A	C	C2orf78
2	74154041	G	T	DGUOK
2	74177777	A	G	DGUOK
2	74274329	C	T	TET3
2	74274540	C	T	TET3
2	74274681	C	T	TET3
2	74274812	G	A	TET3
2	74327675	A	G	TET3
2	74450058	C	T	SLC4A5
2	74489318	G	A	SLC4A5
2	74489323	C	T	SLC4A5

2	74542089	CTC	-	SLC4A5
2	74588717	G	A	DCTN1
2	74593101	G	C	DCTN1
2	74593944	G	C	DCTN1
2	74598723	T	C	DCTN1
2	74641622	A	G	C2orf81
2	74643215	C	T	C2orf81
2	74649461	G	A	WDR54
2	74688563	C	T	MOGS
2	74688899	C	T	MOGS
2	74689078	C	T	MOGS
2	74689335	G	T	MOGS
2	74689671	G	C	MOGS
2	74690378	C	T	MOGS
2	74699584	T	C	MRPL53
2	74699595	G	T	MRPL53
2	74699715	T	C	MRPL53
2	74699778	C	A	MRPL53
2	74701824	C	T	CCDC142
2	74701836	G	A	CCDC142
2	74710238	A	C	TTC31
2	74710491	C	T	TTC31
2	74710514	G	T	TTC31
2	74717554	G	A	TTC31
2	74719816	G	A	TTC31
2	74720098	T	A	TTC31
2	74720140	C	G	TTC31
2	74725178	G	A	LBX2
2	74729890	G	C	LBX2
2	74733329	C	T	PCGF1
2	74751283	G	A	DQX1
2	74757348	T	C	HTRA2
2	74761539	T	A	LOXL3
2	74763247	C	T	LOXL3
2	74779683	G	C	LOXL3
2	74783865	A	G	DOK1
2	74803718	C	T	M1AP
2	74808893	-	A	M1AP
2	74883750	G	A	SEMA4F
2	74902071	T	C	SEMA4F
2	74907167	A	G	SEMA4F
2	74907227	G	A	SEMA4F
2	75101521	C	T	HK2

2	75185856	G	T	<i>POLE4</i>
2	75720569	GCTGTCGCT	-	<i>EVA1A</i>
2	75720637	C	T	<i>EVA1A</i>
2	75879294	G	A	<i>MRPL19</i>
2	75879359	G	A	<i>MRPL19</i>
2	75891858	A	C	<i>GCFC2</i>
2	75893101	G	C	<i>GCFC2</i>
2	75893111	T	G	<i>GCFC2</i>
2	75907351	T	C	<i>GCFC2</i>
2	75914985	A	T	<i>GCFC2</i>
2	75917161	G	C	<i>GCFC2</i>
2	75923413	T	C	<i>GCFC2</i>
2	75929362	T	G	<i>GCFC2</i>
2	75929513	C	T	<i>GCFC2</i>
2	79254949	G	A	<i>REG3G</i>
2	79313990	C	T	<i>REG1B</i>
2	80529551	A	C	<i>LRRTM1</i>
2	80530625	T	C	<i>LRRTM1</i>
2	84670490	C	T	<i>SUCLG1</i>
2	84676864	C	G	<i>SUCLG1</i>
2	84745113	C	T	<i>DNAH6</i>
2	84756049	G	A	<i>DNAH6</i>
2	84777081	C	T	<i>DNAH6</i>
2	84780064	AAG	-	<i>DNAH6</i>
2	84804476	A	G	<i>DNAH6</i>
2	84806724	A	G	<i>DNAH6</i>
2	84806753	A	G	<i>DNAH6</i>
2	84846930	A	G	<i>DNAH6</i>
2	84848596	G	A	<i>DNAH6</i>
2	84897501	A	G	<i>DNAH6</i>
2	84899498	A	T	<i>DNAH6</i>
2	84924823	T	C	<i>DNAH6</i>
2	84928377	C	T	<i>DNAH6</i>
2	84928399	C	A	<i>DNAH6</i>
2	84932836	G	A	<i>DNAH6</i>
2	84934671	G	A	<i>DNAH6</i>
2	84940276	A	G	<i>DNAH6</i>
2	85032868	A	G	<i>DNAH6</i>
2	85035596	G	A	<i>DNAH6</i>
2	85043186	G	A	<i>DNAH6</i>
2	85059227	C	T	<i>TRABD2A</i>
2	85059255	T	C	<i>TRABD2A</i>
2	85097590	C	T	<i>TRABD2A</i>

2	85549868	A	G	TGOLN2
2	85549874	A	G	TGOLN2
2	85554055	G	T	TGOLN2
2	85554080	G	A	TGOLN2
2	85554433	C	T	TGOLN2
2	85571180	G	A	RETSAT
2	85571285	C	T	RETSAT
2	85577310	C	T	RETSAT
2	85578098	A	-	RETSAT
2	85595818	C	T	ELMOD3
2	85595863	T	G	ELMOD3
2	85617310	G	A	ELMOD3
2	85622059	T	C	CAPG
2	85626333	G	A	CAPG
2	85628983	C	T	CAPG
2	85629256	T	C	CAPG
2	85629266	C	T	CAPG
2	85780536	C	T	GGCX
2	85785573	T	C	GGCX
2	85824251	T	C	RNF181
2	85836126	C	T	C2orf68
2	85843431	C	T	USP39
2	85858064	A	G	USP39
2	85893741	G	A	SFTPBP
2	85895338	T	G	SFTPBP
2	85922121	-	A	GNLY
2	85922515	C	-	GNLY
2	85923133	T	C	GNLY
2	85923169	A	C	GNLY
2	85924729	C	T	GNLY
2	85981436	A	G	ATOH8
2	85981841	T	G	ATOH8
2	86075257	G	A	ST3GAL5
2	86088311	T	C	ST3GAL5
2	86269058	C	A	POLR1A
2	86302253	C	T	POLR1A
2	86317012	C	G	POLR1A
2	86317037	G	C	POLR1A
2	86333401	G	T	PTCD3
2	86378518	C	T	IMMT
2	86400824	G	A	IMMT
2	86433240	C	T	MRPL35
2	86683642	A	G	KDM3A

2	86693737	G	T	KDM3A
2	86693826	T	C	KDM3A
2	86705770	C	T	KDM3A
2	86716518	G	A	KDM3A
2	86831051	C	A	RNF103
2	86831675	T	C	RNF103
2	86831751	G	C	RNF103
2	86832103	T	C	RNF103
2	87042751	G	A	CD8B
2	87042825	T	C	CD8B
2	88327464	C	T	KRCC1
2	88383996	C	A	SMYD1
2	88387557	A	C	SMYD1
2	88405871	G	A	SMYD1
2	88407937	G	A	SMYD1
2	88409879	C	T	SMYD1
2	88409984	G	A	SMYD1
2	88424066	T	C	FABP1
2	88425811	C	T	FABP1
2	88472791	G	A	THNSL2
2	88474256	G	A	THNSL2
2	88478341	C	A	THNSL2
2	88825941	A	G	TEX37
2	88825965	G	A	TEX37
2	88826005	C	T	TEX37
2	88828733	C	T	TEX37
2	88883014	T	A	EIF2AK3
2	88895123	T	C	EIF2AK3
2	88913273	G	C	EIF2AK3
2	95537386	C	T	TEKT4
2	95537568	C	T	TEKT4
2	95537572	C	T	TEKT4
2	95540570	C	T	TEKT4
2	95691596	C	T	MAL
2	95753239	A	G	MRPS5
2	95766599	C	T	MRPS5
2	95815229	T	C	ZNF514
2	95818506	C	T	ZNF514
2	95847041	GC	-	ZNF2
2	95847041	GCG	-	ZNF2
2	95941702	G	A	PROM2
2	95942803	G	A	PROM2
2	95947085	A	G	PROM2

2	95947099	G	A	PROM2
2	95954266	C	A	PROM2
2	95976203	G	A	KCNIP3
2	96780763	C	T	ADRA2B
2	96795608	T	G	ASTL
2	96795857	T	C	ASTL
2	96798305	C	T	ASTL
2	96798306	G	A	ASTL
2	96798356	A	G	ASTL
2	96798440	C	T	ASTL
2	96809677	C	T	DUSP2
2	96861159	C	G	STARD7
2	96933112	C	T	CIAO1
2	96933136	G	A	CIAO1
2	96942978	C	G	SNRNP200
2	96963419	T	C	SNRNP200
2	96992526	C	T	ITPRIPL1
2	96992645	G	C	ITPRIPL1
2	96993147	C	T	ITPRIPL1
2	96993745	G	A	ITPRIPL1
2	96993757	C	T	ITPRIPL1
2	97030247	T	C	NCAPH
2	97215101	G	T	ARID5A
2	97271152	T	G	KANSL3
2	97313565	G	A	FER1L5
2	97355026	T	C	FER1L5
2	97357659	C	A	FER1L5
2	97370322	C	A	FER1L5
2	97492717	G	A	CNNM3
2	97494340	G	A	CNNM3
2	97494373	C	T	CNNM3
2	97507907	T	G	ANKRD23
2	97508139	C	T	ANKRD23
2	97526787	T	A	SEMA4C
2	97526788	C	A	SEMA4C
2	97531651	G	A	SEMA4C
2	97589274	C	T	FAM178B
2	97638311	G	A	FAM178B
2	98274529	C	A	ACTR1B
2	98275354	G	A	ACTR1B
2	98275402	A	G	ACTR1B
2	98277090	T	C	ACTR1B
2	98351118	T	C	ZAP70

2	98373607	T	G	<i>TMEM131</i>
2	98409046	G	A	<i>TMEM131</i>
2	98411412	T	C	<i>TMEM131</i>
2	98422079	C	A	<i>TMEM131</i>
2	98709679	C	A	<i>VWA3B</i>
2	98736225	C	T	<i>VWA3B</i>
2	98779439	G	T	<i>VWA3B</i>
2	98809432	T	C	<i>VWA3B</i>
2	98844674	C	G	<i>VWA3B</i>
2	98853173	G	A	<i>VWA3B</i>
2	98907070	G	A	<i>VWA3B</i>
2	98916568	T	G	<i>VWA3B</i>
2	98928429	C	G	<i>VWA3B</i>
2	98928494	G	A	<i>VWA3B</i>
2	98928757	C	T	<i>VWA3B</i>
2	98994191	C	T	<i>CNGA3</i>
2	99006129	C	T	<i>CNGA3</i>
2	99012373	C	T	<i>CNGA3</i>
2	99013251	G	A	<i>CNGA3</i>
2	99170912	G	A	<i>INPP4A</i>
2	99172078	GCTGCAGAAGC-		<i>INPP4A</i>
2	99271976	T	C	<i>MGAT4A</i>
2	99438521	T	C	<i>KIAA1211L</i>
2	99614680	G	T	<i>TSGA10</i>
2	99722087	T	C	<i>TSGA10</i>
2	99767073	G	A	<i>C2orf15</i>
2	99804643	G	A	<i>MRPL30</i>
2	99811314	G	A	<i>MRPL30</i>
2	99812070	G	A	<i>MRPL30</i>
2	99860537	T	C	<i>LYG2</i>
2	99901150	C	T	<i>LYG1</i>
2	99978074	A	T	<i>EIF5B</i>
2	99988117	AGA	-	<i>EIF5B</i>
2	99988119	A	-	<i>EIF5B</i>
2	99993019	A	G	<i>EIF5B</i>
2	99998641	G	A	<i>EIF5B</i>
2	100020945	C	T	<i>REV1</i>
2	100022421	C	A	<i>REV1</i>
2	100055158	T	C	<i>REV1</i>
2	100055506	A	G	<i>REV1</i>
2	100058870	C	T	<i>REV1</i>
2	100210625	C	A	<i>AFF3</i>
2	100210642	T	C	<i>AFF3</i>

2	100343557	C	T	<i>AFF3</i>
2	100915330	G	T	<i>LONRF2</i>
2	100915736	T	G	<i>LONRF2</i>
2	100915772	A	G	<i>LONRF2</i>
2	101009950	C	T	<i>CHST10</i>
2	101012068	A	G	<i>CHST10</i>
2	101086951	A	G	<i>NMS</i>
2	101086966	C	T	<i>NMS</i>
2	101591304	A	G	<i>NPAS2</i>
2	101594191	C	T	<i>NPAS2</i>
2	101622522	C	A	<i>RPL31</i>
2	101624471	T	C	<i>TBC1D8</i>
2	101627925	C	T	<i>TBC1D8</i>
2	101655021	G	A	<i>TBC1D8</i>
2	101656726	T	C	<i>TBC1D8</i>
2	101670762	C	T	<i>TBC1D8</i>
2	101898412	G	C	<i>RNF149</i>
2	101924635	T	C	<i>RNF149</i>
2	102000131	C	T	<i>CREG2</i>
2	102034017	A	C	<i>RFX8</i>
2	102038824	C	T	<i>RFX8</i>
2	102038849	T	A	<i>RFX8</i>
2	102486093	G	T	<i>MAP4K4</i>
2	102493546	A	G	<i>MAP4K4</i>
2	102625068	G	A	<i>IL1R2</i>
2	102636127	G	A	<i>IL1R2</i>
2	102641099	C	T	<i>IL1R2</i>
2	102642617	T	C	<i>IL1R2</i>
2	102781649	C	G	<i>IL1R1</i>
2	102782690	T	C	<i>IL1R1</i>
2	102791086	C	T	<i>IL1R1</i>
2	102791994	G	A	<i>IL1R1</i>
2	102828597	C	G	<i>IL1RL2</i>
2	102836364	A	G	<i>IL1RL2</i>
2	102842430	T	C	<i>IL1RL2</i>
2	102851470	G	A	<i>IL1RL2</i>
2	102851671	C	T	<i>IL1RL2</i>
2	102955468	C	A	<i>IL1RL1</i>
2	102955474	C	T	<i>IL1RL1</i>
2	102956715	C	T	<i>IL1RL1</i>
2	102957204	G	A	<i>IL1RL1</i>
2	102958718	G	A	<i>IL1RL1</i>
2	102965608	G	A	<i>IL1RL1</i>

2	102968007	G	A	<i>IL1RL1</i>
2	102968211	C	A	<i>IL1RL1</i>
2	102968212	A	G	<i>IL1RL1</i>
2	102988526	C	T	<i>IL18R1</i>
2	103040702	A	G	<i>IL18RAP</i>
2	103063608	A	G	<i>IL18RAP</i>
2	103067379	C	A	<i>IL18RAP</i>
2	103067380	T	A	<i>IL18RAP</i>
2	103068420	G	T	<i>IL18RAP</i>
2	103142757	G	A	<i>SLC9A4</i>
2	103142785	C	T	<i>SLC9A4</i>
2	103149100	G	A	<i>SLC9A4</i>
2	103324820	G	A	<i>SLC9A2</i>
2	103334983	G	C	<i>MFSD9</i>
2	103335441	A	G	<i>MFSD9</i>
2	103335646	A	G	<i>MFSD9</i>
2	103340233	C	A	<i>MFSD9</i>
2	105654588	C	T	<i>MRPS9</i>
2	105708941	G	A	<i>MRPS9</i>
2	105708997	G	A	<i>MRPS9</i>
2	105713689	G	A	<i>MRPS9</i>
2	105859249	C	T	<i>GPR45</i>
2	105885961	T	C	<i>TGFBRAP1</i>
2	105959592	G	A	<i>C2orf49</i>
2	105961788	C	T	<i>C2orf49</i>
2	106002889	C	T	<i>FHL2</i>
2	106509501	G	A	<i>NCK2</i>
2	107423193	G	C	<i>ST6GAL2</i>
2	107450525	T	C	<i>ST6GAL2</i>
2	107459974	C	T	<i>ST6GAL2</i>
2	107460162	G	A	<i>ST6GAL2</i>
2	108604657	C	T	<i>SLC5A7</i>
2	108608648	A	G	<i>SLC5A7</i>
2	108618468	A	G	<i>SLC5A7</i>
2	108626811	G	A	<i>SLC5A7</i>
2	108863661	T	C	<i>SULT1C3</i>
2	108863758	G	A	<i>SULT1C3</i>
2	108869824	T	C	<i>SULT1C3</i>
2	108875267	T	C	<i>SULT1C3</i>
2	108910712	A	C	<i>SULT1C2</i>
2	108910751	G	A	<i>SULT1C2</i>
2	108921708	G	A	<i>SULT1C2</i>
2	108922036	T	G	<i>SULT1C2</i>

2	108994808	C	G	<i>SULT1C4</i>
2	109085455	A	G	<i>GCC2</i>
2	109086156	A	G	<i>GCC2</i>
2	109088002	TAAT	-	<i>GCC2</i>
2	109088343	A	G	<i>GCC2</i>
2	109099531	C	G	<i>GCC2</i>
2	109099572	C	G	<i>GCC2</i>
2	109103012	C	T	<i>GCC2</i>
2	109237865	C	T	<i>LIMS1</i>
2	109380157	G	T	<i>RANBP2</i>
2	109380158	C	T	<i>RANBP2</i>
2	109381755	G	T	<i>RANBP2</i>
2	109388273	A	G	<i>RANBP2</i>
2	109392302	A	G	<i>RANBP2</i>
2	109408159	G	T	<i>CCDC138</i>
2	109408208	G	A	<i>CCDC138</i>
2	109513601	A	G	<i>EDAR</i>
2	110015223	A	G	<i>SH3RF3</i>
2	110036008	C	T	<i>SH3RF3</i>
2	110053372	C	T	<i>SH3RF3</i>
2	110053570	C	T	<i>SH3RF3</i>
2	110065896	C	T	<i>SH3RF3</i>
2	110332261	G	A	<i>SEPT10</i>
2	110332292	C	T	<i>SEPT10</i>
2	110343382	C	T	<i>SEPT10</i>
2	110936097	A	G	<i>NPHP1</i>
2	110959026	G	T	<i>NPHP1</i>
2	111425226	G	A	<i>BUB1</i>
2	111551725	G	A	<i>ACOXL</i>
2	111559231	C	A	<i>ACOXL</i>
2	111598958	C	T	<i>ACOXL</i>
2	111666368	G	A	<i>ACOXL</i>
2	111753534	C	T	<i>ACOXL</i>
2	111753543	G	T	<i>ACOXL</i>
2	111753543	G	-	<i>ACOXL</i>
2	111753543	GTTCTTCAGCG-	-	<i>ACOXL</i>
2	111850515	C	T	<i>ACOXL</i>
2	112686988	G	A	<i>MERTK</i>
2	112725747	G	A	<i>MERTK</i>
2	112751928	G	A	<i>MERTK</i>
2	112755001	A	G	<i>MERTK</i>
2	112779952	G	C	<i>MERTK</i>
2	112832536	AAT	-	<i>TMEM87B</i>

2	112922599	C	A	<i>FBLN7</i>
2	112922601	C	G	<i>FBLN7</i>
2	112922638	T	A	<i>FBLN7</i>
2	112922697	G	A	<i>FBLN7</i>
2	112988508	TTCTT	-	<i>ZC3H8</i>
2	113067622	A	G	<i>ZC3H6</i>
2	113074074	G	C	<i>ZC3H6</i>
2	113082151	A	G	<i>ZC3H6</i>
2	113082216	T	G	<i>ZC3H6</i>
2	113251880	G	A	<i>TTL</i>
2	113251910	G	A	<i>TTL</i>
2	113309473	C	T	<i>POLR1B</i>
2	113309560	C	T	<i>POLR1B</i>
2	113418056	A	G	<i>SLC20A1</i>
2	113496453	G	A	<i>CKAP2L</i>
2	113496554	C	T	<i>CKAP2L</i>
2	113498566	A	G	<i>CKAP2L</i>
2	113513738	T	C	<i>CKAP2L</i>
2	113514026	T	C	<i>CKAP2L</i>
2	113514159	T	A	<i>CKAP2L</i>
2	113514563	A	G	<i>CKAP2L</i>
2	113514763	T	C	<i>CKAP2L</i>
2	113520129	G	A	<i>CKAP2L</i>
2	113539246	C	T	<i>IL1A</i>
2	113671378	G	T	<i>IL37</i>
2	113671410	A	G	<i>IL37</i>
2	113674709	C	G	<i>IL37</i>
2	113674721	A	G	<i>IL37</i>
2	113675269	C	T	<i>IL37</i>
2	113676219	T	C	<i>IL37</i>
2	113676381	G	A	<i>IL37</i>
2	113737630	C	A	<i>IL36G</i>
2	113763575	A	G	<i>IL36A</i>
2	113783743	T	C	<i>IL36B</i>
2	113785683	T	C	<i>IL36B</i>
2	113820124	C	T	<i>IL36RN</i>
2	113831941	G	A	<i>IL1F10</i>
2	113832312	T	C	<i>IL1F10</i>
2	113832333	C	A	<i>IL1F10</i>
2	113832774	C	T	<i>IL1F10</i>
2	113940062	A	G	<i>PSD4</i>
2	113940280	G	A	<i>PSD4</i>
2	113940280	G	C	<i>PSD4</i>

2	113940730	T	C	PSD4
2	113940839	G	C	PSD4
2	113958973	G	A	PSD4
2	113993073	A	G	PAX8
2	114493367	T	A	SLC35F5
2	114500349	C	T	SLC35F5
2	115822349	G	T	DPP10
2	116503671	G	A	DPP10
2	116510817	G	C	DPP10
2	116572542	A	G	DPP10
2	116598397	C	A	DPP10
2	118575259	AAGAAAAAG	-	DDX18
2	118579599	A	G	DDX18
2	118698860	C	T	CCDC93
2	118732831	G	A	CCDC93
2	118735590	G	A	CCDC93
2	119727793	C	G	MARCO
2	119739063	T	C	MARCO
2	119752066	G	C	MARCO
2	119915707	C	T	C1QL2
2	120005409	C	T	STEAP3
2	120012405	G	A	STEAP3
2	120015162	T	G	STEAP3
2	120060082	T	C	C2orf76
2	120078771	AAAGGGATATC-	-	C2orf76
2	120078778	T	C	C2orf76
2	120078778	T	-	C2orf76
2	120125869	G	A	DBI
2	120194651	-	GTGTGC	TMEM37
2	120194673	G	A	TMEM37
2	120209612	G	A	SCTR
2	120209633	C	T	SCTR
2	120219480	C	T	SCTR
2	120362294	G	A	CFAP221
2	120388412	G	A	CFAP221
2	120397418	C	T	CFAP221
2	120409616	G	T	CFAP221
2	120413960	C	T	CFAP221
2	120413984	C	G	CFAP221
2	120439230	C	G	TMEM177
2	120439282	C	T	TMEM177
2	120640084	C	A	PTPN4
2	120658328	T	C	PTPN4

2	120734635	A	T	<i>PTPN4</i>
2	120848049	C	T	<i>EPB41L5</i>
2	120858351	-	TCCACAGAGTC	<i>EPB41L5</i>
2	120885310	G	A	<i>EPB41L5</i>
2	120922485	A	T	<i>EPB41L5</i>
2	120925517	A	C	<i>EPB41L5</i>
2	121742222	C	T	<i>GLI2</i>
2	121747406	G	A	<i>GLI2</i>
2	121747433	C	T	<i>GLI2</i>
2	121747544	A	G	<i>GLI2</i>
2	121747635	G	A	<i>GLI2</i>
2	121747822	G	A	<i>GLI2</i>
2	121747823	C	T	<i>GLI2</i>
2	121748048	G	A	<i>GLI2</i>
2	121991702	T	C	<i>TFCP2L1</i>
2	122038783	G	A	<i>TFCP2L1</i>
2	122176275	A	G	<i>CLASP1</i>
2	122204976	A	G	<i>CLASP1</i>
2	125405429	C	G	<i>CNTNAP5</i>
2	125504881	T	C	<i>CNTNAP5</i>
2	127451514	G	A	<i>GYPC</i>
2	127808046	T	C	<i>BIN1</i>
2	127961026	A	G	<i>CYP27C1</i>
2	128016978	G	A	<i>ERCC3</i>
2	128017009	C	T	<i>ERCC3</i>
2	128087544	T	C	<i>MAP3K2</i>
2	128321770	G	A	<i>MYO7B</i>
2	128347710	T	C	<i>MYO7B</i>
2	128351149	T	G	<i>MYO7B</i>
2	128377965	C	A	<i>MYO7B</i>
2	128379563	C	G	<i>MYO7B</i>
2	128379615	G	A	<i>MYO7B</i>
2	128381756	G	A	<i>MYO7B</i>
2	128388437	A	C	<i>MYO7B</i>
2	128388862	G	C	<i>MYO7B</i>
2	128389835	G	A	<i>MYO7B</i>
2	128392734	G	A	<i>MYO7B</i>
2	128393336	C	T	<i>MYO7B</i>
2	128393390	G	A	<i>MYO7B</i>
2	128400622	G	A	<i>LIMS2</i>
2	128408354	C	A	<i>GPR17</i>
2	128408550	G	A	<i>GPR17</i>
2	128477084	G	C	<i>WDR33</i>

2	128522189	T	C	WDR33
2	128522203	A	T	WDR33
2	128522207	C	T	WDR33
2	128631565	C	G	AMMECR1L
2	128631685	G	A	AMMECR1L
2	128744480	T	C	SAP130
2	128903531	C	T	UGGT1
2	128934411	C	T	UGGT1
2	128937391	A	G	UGGT1
2	128938648	-	AGGCCCTTAA	UGGT1
2	130897141	C	G	CCDC74B
2	130897234	C	T	CCDC74B
2	130939163	G	T	SMPD4
2	130948087	C	T	MZT2B
2	131099606	C	G	CCDC115
2	131100734	G	A	IMP4
2	131103937	A	G	IMP4
2	131116531	A	G	PTPN18
2	131487673	A	C	GPR148
2	131520178	C	G	AMER3
2	131520663	T	C	AMER3
2	131520945	C	G	AMER3
2	131688783	G	A	ARHGEF4
2	131688828	A	G	ARHGEF4
2	131797689	A	G	ARHGEF4
2	131803034	G	C	ARHGEF4
2	132241731	T	C	MZT2A
2	132290912	G	A	CCDC74A
2	132290934	C	T	CCDC74A
2	133174764	C	T	GPR39
2	133402949	G	A	GPR39
2	133403085	C	G	GPR39
2	133540061	A	C	NCKAP5
2	133540605	G	T	NCKAP5
2	133540714	G	A	NCKAP5
2	133541107	T	A	NCKAP5
2	133542574	C	T	NCKAP5
2	133542585	C	G	NCKAP5
2	133542991	G	A	NCKAP5
2	133543014	A	C	NCKAP5
2	135119909	T	C	MGAT5
2	135659383	G	A	ACMSD
2	135744373	G	A	MAP3K19

2	135744416	C	G	MAP3K19
2	135744418	C	T	MAP3K19
2	135745129	G	A	MAP3K19
2	135884166	A	G	RAB3GAP1
2	135887597	C	T	RAB3GAP1
2	135976662	TT	-	ZRANB3
2	135985403	G	A	ZRANB3
2	135988235	C	T	ZRANB3
2	135988416	C	T	ZRANB3
2	136033313	T	C	ZRANB3
2	136107663	T	C	ZRANB3
2	136107777	G	A	ZRANB3
2	136399276	G	A	R3HDM1
2	136418868	A	G	R3HDM1
2	136467791	A	G	R3HDM1
2	136519456	G	C	UBXN4
2	136620315	T	C	MCM6
2	136682043	C	T	DARS
2	136691500	G	A	DARS
2	137852550	G	A	THSD7B
2	137852652	C	A	THSD7B
2	137917922	T	A	THSD7B
2	137928320	C	T	THSD7B
2	137990678	C	T	THSD7B
2	138030234	C	T	THSD7B
2	138373831	G	T	THSD7B
2	138376060	A	G	THSD7B
2	138420996	A	G	THSD7B
2	138759649	C	T	HNMT
2	139316900	G	A	SPOPL
2	140990879	T	C	LRP1B
2	140992440	C	T	LRP1B
2	141032021	T	A	LRP1B
2	141072519	C	G	LRP1B
2	141092084	T	G	LRP1B
2	141093253	G	A	LRP1B
2	141113994	G	A	LRP1B
2	141116420	C	T	LRP1B
2	141116447	G	T	LRP1B
2	141128779	C	G	LRP1B
2	141232800	C	T	LRP1B
2	141242918	T	C	LRP1B
2	141298635	C	T	LRP1B

2	141299369	C	T	<i>LRP1B</i>
2	141457962	C	T	<i>LRP1B</i>
2	141458182	C	A	<i>LRP1B</i>
2	141707812	G	C	<i>LRP1B</i>
2	141751676	T	C	<i>LRP1B</i>
2	141773450	T	C	<i>LRP1B</i>
2	141777554	C	T	<i>LRP1B</i>
2	141819751	T	C	<i>LRP1B</i>
2	142012161	C	T	<i>LRP1B</i>
2	142567910	T	C	<i>LRP1B</i>
2	143798189	A	G	<i>KYNU</i>
2	144714903	A	T	<i>GTDC1</i>
2	144765026	T	C	<i>GTDC1</i>
2	144899559	C	A	<i>GTDC1</i>
2	145156613	G	A	<i>ZEB2</i>
2	148696810	G	A	<i>ORC4</i>
2	148715901	A	G	<i>ORC4</i>
2	148716428	T	C	<i>ORC4</i>
2	148730367	G	C	<i>ORC4</i>
2	149227542	G	A	<i>MBD5</i>
2	149240765	G	A	<i>MBD5</i>
2	149511650	A	G	<i>EPC2</i>
2	149847588	T	C	<i>KIF5C</i>
2	150071156	T	C	<i>LYPD6B</i>
2	150427649	G	C	<i>MMADHC</i>
2	150427678	T	C	<i>MMADHC</i>
2	150438708	T	G	<i>MMADHC</i>
2	152109283	GA	-	<i>RBM43</i>
2	152112161	C	G	<i>RBM43</i>
2	152127212	C	T	<i>NMI</i>
2	152139416	G	A	<i>NMI</i>
2	152220510	A	G	<i>TNFAIP6</i>
2	152226570	A	G	<i>TNFAIP6</i>
2	152235888	G	A	<i>TNFAIP6</i>
2	152276870	A	G	<i>RIF1</i>
2	152300147	A	G	<i>RIF1</i>
2	152311570	G	A	<i>RIF1</i>
2	152311612	A	G	<i>RIF1</i>
2	152316514	A	G	<i>RIF1</i>
2	152319458	G	A	<i>RIF1</i>
2	152321091	G	A	<i>RIF1</i>
2	152321516	C	T	<i>RIF1</i>
2	152331418	C	G	<i>RIF1</i>

2	152346522	G	A	NEB
2	152346979	T	C	NEB
2	152359922	G	A	NEB
2	152364589	G	A	NEB
2	152369326	A	G	NEB
2	152382511	G	C	NEB
2	152383521	C	T	NEB
2	152385774	C	G	NEB
2	152394444	G	C	NEB
2	152404218	T	A	NEB
2	152404901	G	A	NEB
2	152419154	C	T	NEB
2	152421598	T	C	NEB
2	152421631	T	C	NEB
2	152422076	C	G	NEB
2	152425820	C	T	NEB
2	152468776	T	C	NEB
2	152473911	C	G	NEB
2	152484315	C	T	NEB
2	152499143	C	T	NEB
2	152506811	C	T	NEB
2	152507189	C	G	NEB
2	152515585	C	T	NEB
2	152515683	G	A	NEB
2	152520122	GTTGTA	-	NEB
2	152520258	C	T	NEB
2	152520270	A	C	NEB
2	152524388	T	C	NEB
2	152527636	C	G	NEB
2	152530992	T	G	NEB
2	152531077	A	G	NEB
2	152534230	A	G	NEB
2	152534260	T	C	NEB
2	152536299	T	C	NEB
2	152536498	T	A	NEB
2	152580815	C	G	NEB
2	152584316	TGCTGGCTGTC-	-	NEB
2	152584322	C	-	NEB
2	152982745	T	C	STAM2
2	153405580	C	G	FMNL2
2	153463871	C	T	FMNL2
2	153493057	AAT	-	FMNL2
2	153504371	T	G	FMNL2

2	153575305	G	T	ARL6IP6
2	155099270	A	G	GALNT13
2	155158079	A	G	GALNT13
2	155555406	A	G	KCNJ3
2	157352676	A	G	GPD2
2	157369961	C	T	GPD2
2	157406249	G	A	GPD2
2	157407209	A	G	GPD2
2	157435635	A	-	GPD2
2	158114824	C	T	GALNT5
2	158115129	A	T	GALNT5
2	158152917	T	C	GALNT5
2	158156095	A	C	GALNT5
2	158167856	C	T	GALNT5
2	158177847	C	T	ERMN
2	158182141	G	A	ERMN
2	158390468	T	C	ACVR1C
2	158406865	A	G	ACVR1C
2	158412701	T	G	ACVR1C
2	158637039	G	C	ACVR1
2	158655962	G	C	ACVR1
2	158958551	-	A	UPP2
2	158958605	G	T	UPP2
2	158962683	G	T	UPP2
2	158991346	C	T	UPP2
2	159166069	T	C	CCDC148
2	159170302	T	C	CCDC148
2	159196771	T	C	CCDC148
2	159201754	T	C	CCDC148
2	159477550	A	G	PKP4
2	159499113	A	G	PKP4
2	159517871	C	T	PKP4
2	159517931	C	T	PKP4
2	159663599	T	C	DAPL1
2	159663616	G	A	DAPL1
2	159672322	C	T	DAPL1
2	160019863	A	G	TANC1
2	160027235	A	G	TANC1
2	160027304	T	G	TANC1
2	160028693	T	G	TANC1
2	160035215	C	T	TANC1
2	160076227	A	G	TANC1
2	160086299	T	A	TANC1

2	160086300	C	T	TANC1
2	160086468	G	A	TANC1
2	160086640	G	T	TANC1
2	160086654	A	G	TANC1
2	160092692	G	A	WDSUB1
2	160112881	G	T	WDSUB1
2	160132089	T	G	WDSUB1
2	160132137	C	T	WDSUB1
2	160182302	C	T	BAZ2B
2	160182374	T	C	BAZ2B
2	160194206	G	C	BAZ2B
2	160204038	C	T	BAZ2B
2	160204118	A	G	BAZ2B
2	160205779	C	G	BAZ2B
2	160206353	C	T	BAZ2B
2	160206574	C	T	BAZ2B
2	160261565	G	A	BAZ2B
2	160294842	A	G	BAZ2B
2	160310246	A	G	BAZ2B
2	160599717	C	G	MARCH7
2	160604372	A	G	MARCH7
2	160604379	C	T	MARCH7
2	160604514	C	T	MARCH7
2	160604541	G	A	MARCH7
2	160604568	A	G	MARCH7
2	160604936	G	A	MARCH7
2	160628463	G	T	CD302
2	160661610	C	G	LY75
2	160676350	T	C	LY75
2	160676427	C	A	LY75
2	160688217	T	C	LY75
2	160690656	G	A	LY75
2	160692117	G	A	LY75
2	160697305	C	A	LY75
2	160706931	G	T	LY75
2	160711045	G	C	LY75
2	160714906	T	C	LY75
2	160714958	C	T	LY75
2	160714968	C	T	LY75
2	160721357	C	T	LY75
2	160721408	C	-	LY75
2	160729005	C	T	LY75
2	160735174	C	T	LY75

2	160737622	G	A	LY75
2	160840584	C	A	PLA2R1
2	160843710	T	C	PLA2R1
2	160843747	C	-	PLA2R1
2	160843747	C	-	PLA2R1
2	160843748	T	G	PLA2R1
2	160879259	C	T	PLA2R1
2	160885418	G	C	PLA2R1
2	160885442	T	C	PLA2R1
2	160901353	C	T	PLA2R1
2	160964288	C	G	ITGB6
2	160994197	C	T	ITGB6
2	160994200	G	T	ITGB6
2	160994293	C	T	ITGB6
2	162061198	G	T	TANK
2	162087835	G	A	TANK
2	162091931	C	G	TANK
2	162890142	C	T	DPP4
2	162904013	T	C	DPP4
2	163000601	T	C	GCG
2	163055344	T	C	FAP
2	163075627	A	G	FAP
2	163080161	A	G	FAP
2	163124024	G	C	IFIH1
2	163124051	C	T	IFIH1
2	163124596	C	T	IFIH1
2	163124637	T	C	IFIH1
2	163128824	T	C	IFIH1
2	163133262	C	T	IFIH1
2	163133396	G	A	IFIH1
2	163134090	C	A	IFIH1
2	163136505	C	G	IFIH1
2	163136564	A	C	IFIH1
2	163137983	T	C	IFIH1
2	163144694	T	C	IFIH1
2	163167419	T	C	IFIH1
2	163208877	G	T	GCA
2	163208893	T	G	GCA
2	163215655	C	T	GCA
2	163241287	C	G	KCNH7
2	163360961	C	T	KCNH7
2	165349650	G	A	GRB14
2	165381542	C	A	GRB14

2	165404265	G	C	<i>GRB14</i>
2	165476253	A	T	<i>GRB14</i>
2	165551103	T	G	<i>COBLL1</i>
2	165551128	G	A	<i>COBLL1</i>
2	165551201	T	C	<i>COBLL1</i>
2	165551404	G	A	<i>COBLL1</i>
2	165551669	A	G	<i>COBLL1</i>
2	165557069	T	C	<i>COBLL1</i>
2	165578602	C	T	<i>COBLL1</i>
2	165765194	C	A	<i>SLC38A11</i>
2	165802159	A	G	<i>SLC38A11</i>
2	165984284	C	T	<i>SCN3A</i>
2	166003301	G	A	<i>SCN3A</i>
2	166032776	ATT	-	<i>SCN3A</i>
2	166152389	G	A	<i>SCN2A</i>
2	166152433	G	A	<i>SCN2A</i>
2	166167087	G	A	<i>SCN2A</i>
2	166201225	A	G	<i>SCN2A</i>
2	166535763	G	A	<i>CSRNP3</i>
2	166535883	G	C	<i>CSRNP3</i>
2	166606326	C	T	<i>GALNT3</i>
2	166747445	G	C	<i>TTC21B</i>
2	166758402	G	A	<i>TTC21B</i>
2	166773820	G	A	<i>TTC21B</i>
2	166781158	G	A	<i>TTC21B</i>
2	166788336	T	C	<i>TTC21B</i>
2	166789554	C	T	<i>TTC21B</i>
2	166797556	T	A	<i>TTC21B</i>
2	166797646	C	T	<i>TTC21B</i>
2	166848003	G	C	<i>SCN1A</i>
2	166872146	G	C	<i>SCN1A</i>
2	166892788	C	T	<i>SCN1A</i>
2	166901590	C	T	<i>SCN1A</i>
2	166905424	G	C	<i>SCN1A</i>
2	167055393	T	C	<i>SCN9A</i>
2	167060594	A	G	<i>SCN9A</i>
2	167083160	C	T	<i>SCN9A</i>
2	167089942	G	C	<i>SCN9A</i>
2	167136962	T	C	<i>SCN9A</i>
2	167138296	T	C	<i>SCN9A</i>
2	167141109	G	T	<i>SCN9A</i>
2	167142979	C	T	<i>SCN9A</i>
2	167162344	C	T	<i>SCN9A</i>

2	167262169	T	C	SCN7A
2	167262238	C	T	SCN7A
2	167262353	C	G	SCN7A
2	167262592	C	T	SCN7A
2	167279922	C	A	SCN7A
2	167288968	C	A	SCN7A
2	167289012	T	A	SCN7A
2	167298093	A	G	SCN7A
2	167313451	T	C	SCN7A
2	167318913	C	T	SCN7A
2	167330770	T	C	SCN7A
2	167334085	G	T	SCN7A
2	167992482	G	A	XIRP2
2	168041087	C	T	XIRP2
2	168098296	C	T	XIRP2
2	168099316	T	C	XIRP2
2	168099775	C	G	XIRP2
2	168099796	T	C	XIRP2
2	168101945	G	A	XIRP2
2	168102971	C	T	XIRP2
2	168103304	G	A	XIRP2
2	168103925	A	G	XIRP2
2	168104183	C	G	XIRP2
2	168104627	G	A	XIRP2
2	168104863	-	A	XIRP2
2	168105695	T	G	XIRP2
2	168105701	G	A	XIRP2
2	168106085	G	A	XIRP2
2	168106126	A	G	XIRP2
2	168106246	G	A	XIRP2
2	168107027	C	T	XIRP2
2	168107491	A	G	XIRP2
2	168107737	T	C	XIRP2
2	168107747	A	G	XIRP2
2	168108032	G	A	XIRP2
2	168114567	C	T	XIRP2
2	168115325	A	G	XIRP2
2	168115568	T	C	XIRP2
2	168115797	G	C	XIRP2
2	168931636	C	T	STK39
2	169312974	G	A	CERS6
2	169547547	C	T	CERS6
2	169707596	C	A	NOSTRIN

2	169713209	G	A	<i>NOSTRIN</i>
2	169717335	C	T	<i>NOSTRIN</i>
2	169721377	G	A	<i>NOSTRIN</i>
2	169732622	C	G	<i>SPC25</i>
2	169763262	C	T	<i>G6PC2</i>
2	169764141	A	C	<i>G6PC2</i>
2	169764176	G	C	<i>G6PC2</i>
2	169764491	T	C	<i>G6PC2</i>
2	169783760	T	G	<i>ABCB11</i>
2	169791823	T	C	<i>ABCB11</i>
2	169820801	C	T	<i>ABCB11</i>
2	169824983	T	C	<i>ABCB11</i>
2	169830328	A	G	<i>ABCB11</i>
2	169870836	C	T	<i>ABCB11</i>
2	169939914	A	G	<i>DHRS9</i>
2	169952053	G	C	<i>DHRS9</i>
2	169952173	G	C	<i>DHRS9</i>
2	169989127	A	G	<i>LRP2</i>
2	169996070	C	T	<i>LRP2</i>
2	170003335	T	C	<i>LRP2</i>
2	170003432	T	G	<i>LRP2</i>
2	170009390	C	T	<i>LRP2</i>
2	170009391	G	T	<i>LRP2</i>
2	170010985	T	C	<i>LRP2</i>
2	170013904	A	C	<i>LRP2</i>
2	170029657	C	T	<i>LRP2</i>
2	170030506	C	T	<i>LRP2</i>
2	170037962	T	C	<i>LRP2</i>
2	170042245	T	C	<i>LRP2</i>
2	170053505	C	T	<i>LRP2</i>
2	170060603	T	C	<i>LRP2</i>
2	170062977	T	C	<i>LRP2</i>
2	170068598	C	T	<i>LRP2</i>
2	170082936	T	C	<i>LRP2</i>
2	170088242	G	A	<i>LRP2</i>
2	170094756	C	A	<i>LRP2</i>
2	170097707	T	G	<i>LRP2</i>
2	170100011	G	A	<i>LRP2</i>
2	170100029	G	A	<i>LRP2</i>
2	170103295	C	T	<i>LRP2</i>
2	170127556	C	A	<i>LRP2</i>
2	170129547	C	T	<i>LRP2</i>
2	170163827	T	C	<i>LRP2</i>

2	170175334	T	C	<i>LRP2</i>
2	170177325	G	C	<i>LRP2</i>
2	170350279	A	G	<i>BBS5</i>
2	170354138	G	A	<i>BBS5</i>
2	170356065	A	G	<i>BBS5</i>
2	170366485	T	C	<i>KLHL41</i>
2	170366686	G	A	<i>KLHL41</i>
2	170367099	G	A	<i>KLHL41</i>
2	170367151	T	G	<i>KLHL41</i>
2	170387132	-	T	<i>FASTKD1</i>
2	170387886	G	C	<i>FASTKD1</i>
2	170403030	T	C	<i>FASTKD1</i>
2	170411698	C	G	<i>FASTKD1</i>
2	170428436	C	T	<i>FASTKD1</i>
2	170441001	G	A	<i>PPIG</i>
2	170493103	T	A	<i>PPIG</i>
2	170502401	G	A	<i>CCDC173</i>
2	170502415	T	C	<i>CCDC173</i>
2	170505754	C	G	<i>CCDC173</i>
2	170505823	T	G	<i>CCDC173</i>
2	170510651	C	T	<i>CCDC173</i>
2	170531162	C	T	<i>CCDC173</i>
2	170557667	A	C	<i>PHOSPHO2</i>
2	170591606	A	T	<i>PHOSPHO2</i>
2	170676105	G	A	<i>METTL5</i>
2	170885930	C	A	<i>UBR3</i>
2	171070907	G	T	<i>MYO3B</i>
2	171070982	G	A	<i>MYO3B</i>
2	171073856	G	A	<i>MYO3B</i>
2	171225841	A	G	<i>MYO3B</i>
2	171239611	G	A	<i>MYO3B</i>
2	171260787	G	A	<i>MYO3B</i>
2	171260797	A	G	<i>MYO3B</i>
2	171371469	G	A	<i>MYO3B</i>
2	171375968	C	T	<i>MYO3B</i>
2	171509593	T	A	<i>MYO3B</i>
2	171822576	C	T	<i>GORASP2</i>
2	172291650	G	A	<i>DCAF17</i>
2	172309651	T	A	<i>DCAF17</i>
2	172330424	T	C	<i>DCAF17</i>
2	172411153	G	A	<i>CYBRD1</i>
2	172411273	G	A	<i>CYBRD1</i>
2	172644389	C	T	<i>SLC25A12</i>

2	172650165	C	T	SLC25A12
2	172691260	C	T	SLC25A12
2	172928514	G	A	METAP1D
2	172931008	G	A	METAP1D
2	172935641	T	C	METAP1D
2	173292664	A	G	ITGA6
2	173337519	A	G	ITGA6
2	173354358	A	G	ITGA6
2	173355800	G	A	ITGA6
2	173355989	C	T	ITGA6
2	173429346	A	C	PDK1
2	173881919	C	T	RAPGEF4
2	173883491	G	A	RAPGEF4
2	173913329	G	A	RAPGEF4
2	174104211	G	A	ZAK
2	174128513	C	T	ZAK
2	174128561	A	T	ZAK
2	174131392	T	C	ZAK
2	174820207	T	C	SP3
2	174820750	T	C	SP3
2	174946760	T	C	OLA1
2	175213593	G	A	CIR1
2	175263063	G	A	SCRN3
2	175263171	G	T	SCRN3
2	175289259	G	T	SCRN3
2	175292581	TCAAATTTATC/-		SCRN3
2	175436496	G	A	WIPF1
2	175436940	G	A	WIPF1
2	175624069	C	T	CHRNA1
2	176043906	T	C	ATP5G3
2	176829117	G	C	KIAA1715
2	176948494	C	A	EVX2
2	176964653	A	G	HOXD12
2	176964834	C	A	HOXD12
2	176964947	G	A	HOXD12
2	176965086	G	A	HOXD12
2	176988059	C	A	HOXD9
2	176995654	C	T	HOXD8
2	177016603	A	T	HOXD4
2	177016728	T	C	HOXD4
2	177054181	G	C	HOXD1
2	177054769	G	A	HOXD1
2	177193087	G	A	MTX2

2	178096529	C	T	<i>NFE2L2</i>
2	178257665	C	T	<i>AGPS</i>
2	178416791	A	G	<i>TTC30B</i>
2	178417061	C	A	<i>TTC30B</i>
2	178417062	C	T	<i>TTC30B</i>
2	178482594	G	T	<i>TTC30A</i>
2	178494173	-	GGA	<i>PDE11A</i>
2	178528608	T	C	<i>PDE11A</i>
2	178528641	G	C	<i>PDE11A</i>
2	178545566	C	T	<i>PDE11A</i>
2	178565913	T	C	<i>PDE11A</i>
2	178592864	C	T	<i>PDE11A</i>
2	178681585	A	G	<i>PDE11A</i>
2	178681633	A	-	<i>PDE11A</i>
2	178681638	A	G	<i>PDE11A</i>
2	178879055	C	T	<i>PDE11A</i>
2	178936614	C	T	<i>PDE11A</i>
2	178936994	A	-	<i>PDE11A</i>
2	178937010	C	G	<i>PDE11A</i>
2	178969170	TC	-	<i>PDE11A</i>
2	179188959	G	A	<i>OSBPL6</i>
2	179188974	C	T	<i>OSBPL6</i>
2	179201047	C	T	<i>OSBPL6</i>
2	179318222	A	G	<i>DFNB59</i>
2	179319145	G	A	<i>DFNB59</i>
2	179325735	C	T	<i>DFNB59</i>
2	179325735	C	G	<i>DFNB59</i>
2	179325816	G	A	<i>DFNB59</i>
2	179343147	TTTT	-	<i>FKBP7</i>
2	179702437	T	C	<i>CCDC141</i>
2	179718301	T	A	<i>CCDC141</i>
2	179721046	G	A	<i>CCDC141</i>
2	179732845	G	A	<i>CCDC141</i>
2	179733939	C	T	<i>CCDC141</i>
2	179751485	T	G	<i>CCDC141</i>
2	179770175	C	A	<i>CCDC141</i>
2	179914640	G	A	<i>CCDC141</i>
2	179914649	G	A	<i>CCDC141</i>
2	180311444	T	C	<i>ZNF385B</i>
2	180810264	A	T	<i>CWC22</i>
2	180815412	G	A	<i>CWC22</i>
2	180815413	C	T	<i>CWC22</i>
2	180846546	T	C	<i>CWC22</i>

2	182350641	G	A	<i>ITGA4</i>
2	182392038	C	T	<i>ITGA4</i>
2	182394308	T	C	<i>ITGA4</i>
2	182395345	G	A	<i>ITGA4</i>
2	182396457	C	A	<i>ITGA4</i>
2	182468803	T	G	<i>CERKL</i>
2	182521577	C	T	<i>CERKL</i>
2	182543455	T	C	<i>NEUROD1</i>
2	182756900	C	G	<i>SSFA2</i>
2	182756944	G	A	<i>SSFA2</i>
2	182780126	G	A	<i>SSFA2</i>
2	182780166	A	G	<i>SSFA2</i>
2	182780307	G	A	<i>SSFA2</i>
2	182780334	A	G	<i>SSFA2</i>
2	182780874	C	T	<i>SSFA2</i>
2	182792984	T	A	<i>SSFA2</i>
2	183387015	C	T	<i>PDE1A</i>
2	183594621	G	C	<i>DNAJC10</i>
2	183605077	C	A	<i>DNAJC10</i>
2	183608374	A	G	<i>DNAJC10</i>
2	183699584	G	C	<i>FRZB</i>
2	183699682	A	G	<i>FRZB</i>
2	183703239	C	T	<i>FRZB</i>
2	185463700	A	G	<i>ZNF804A</i>
2	185800661	G	A	<i>ZNF804A</i>
2	185801103	A	C	<i>ZNF804A</i>
2	185801348	A	G	<i>ZNF804A</i>
2	185801559	A	G	<i>ZNF804A</i>
2	185801597	A	G	<i>ZNF804A</i>
2	185801684	A	T	<i>ZNF804A</i>
2	185801747	G	A	<i>ZNF804A</i>
2	185801756	G	A	<i>ZNF804A</i>
2	185802211	-	ACA	<i>ZNF804A</i>
2	185802243	C	A	<i>ZNF804A</i>
2	185802363	A	G	<i>ZNF804A</i>
2	185803364	C	G	<i>ZNF804A</i>
2	185803445	G	A	<i>ZNF804A</i>
2	185803445	G	-	<i>ZNF804A</i>
2	185803445	GCAGCTGCTG(-		<i>ZNF804A</i>
2	185803468	A	-	<i>ZNF804A</i>
2	186670379	C	T	<i>FSIP2</i>
2	186671114	C	T	<i>FSIP2</i>
2	186671231	A	T	<i>FSIP2</i>

2	186671357	G	A	FSIP2
2	186671423	A	G	FSIP2
2	186671912	G	A	FSIP2
2	186672527	T	A	FSIP2
2	186673315	A	C	FSIP2
2	186673531	A	G	FSIP2
2	186673618	C	A	FSIP2
2	186673805	C	T	FSIP2
2	186678633	C	T	FSIP2
2	187370262	G	A	ZC3H15
2	187511466	A	G	ITGAV
2	187532417	G	A	ITGAV
2	187540395	G	A	ITGAV
2	187611914	C	G	FAM171B
2	187615917	G	A	FAM171B
2	187692983	T	C	ZSWIM2
2	187693003	A	T	ZSWIM2
2	187693155	A	T	ZSWIM2
2	187697883	A	G	ZSWIM2
2	187697884	T	C	ZSWIM2
2	187697929	T	C	ZSWIM2
2	187698707	C	T	ZSWIM2
2	187702055	G	A	ZSWIM2
2	187702100	G	T	ZSWIM2
2	188245439	A	G	CALCRL
2	188250301	T	A	CALCRL
2	188331704	C	T	TFPI
2	188343497	T	C	TFPI
2	188348943	G	A	TFPI
2	188349633	G	T	TFPI
2	189599386	A	C	DIRC1
2	189599497	A	C	DIRC1
2	189599515	T	A	DIRC1
2	189851842	C	T	COL3A1
2	189855743	G	A	COL3A1
2	189863424	C	A	COL3A1
2	189875421	T	G	COL3A1
2	189899700	T	A	COL5A2
2	189899755	C	T	COL5A2
2	189901388	T	C	COL5A2
2	189904234	G	C	COL5A2
2	189918622	G	A	COL5A2
2	189922092	G	C	COL5A2

2	189931144	A	G	COL5A2
2	189932764	G	A	COL5A2
2	189932953	G	A	COL5A2
2	189940142	T	G	COL5A2
2	190306244	T	C	WDR75
2	190313148	A	G	WDR75
2	190313537	A	G	WDR75
2	190320168	G	A	WDR75
2	190320169	A	T	WDR75
2	190328455	G	A	WDR75
2	190331237	C	G	WDR75
2	190339048	C	T	WDR75
2	190428460	T	C	SLC40A1
2	190531426	G	A	ASNSD1
2	190531538	C	T	ASNSD1
2	190532183	G	A	ASNSD1
2	190554462	A	G	ANKAR
2	190557894	A	G	ANKAR
2	190561060	A	G	ANKAR
2	190569908	G	A	ANKAR
2	190571776	A	G	ANKAR
2	190593470	T	C	ANKAR
2	190595258	G	T	ANKAR
2	190606152	A	C	ANKAR
2	190611188	G	T	ANKAR
2	190617411	-	A	OSGEPL1
2	190620216	C	T	OSGEPL1
2	190660537	G	A	PMS1
2	190708712	G	A	PMS1
2	190719607	G	A	PMS1
2	190924861	A	G	MSTN
2	190925077	T	C	MSTN
2	190927060	C	T	MSTN
2	191064753	C	T	C2orf88
2	191110893	C	T	HIBCH
2	191161622	T	C	HIBCH
2	191235610	A	G	INPP1
2	191301245	C	T	MFSD6
2	191301368	A	G	MFSD6
2	191364828	C	T	MFSD6
2	191364898	A	C	MFSD6
2	191524491	C	T	NAB1
2	191929596	C	T	STAT4

2	191937906	T	A	STAT4
2	192267400	A	G	MYO1B
2	192279339	A	G	MYO1B
2	192700735	T	C	SDPR
2	192701407	G	C	SDPR
2	193044347	T	A	TMEFF2
2	196602773	G	A	DNAH7
2	196602786	A	T	DNAH7
2	196602802	T	C	DNAH7
2	196619105	T	C	DNAH7
2	196636499	T	C	DNAH7
2	196659205	A	T	DNAH7
2	196661362	C	-	DNAH7
2	196673533	A	G	DNAH7
2	196673569	G	C	DNAH7
2	196720705	T	C	DNAH7
2	196723434	C	T	DNAH7
2	196728886	A	G	DNAH7
2	196728931	C	T	DNAH7
2	196738365	T	C	DNAH7
2	196740524	T	C	DNAH7
2	196746520	G	A	DNAH7
2	196753672	G	C	DNAH7
2	196759808	-	T	DNAH7
2	196799394	A	G	DNAH7
2	196822004	A	G	DNAH7
2	196825238	C	A	DNAH7
2	196825402	T	C	DNAH7
2	196837129	G	C	DNAH7
2	196851841	C	T	DNAH7
2	196851911	G	A	DNAH7
2	196852767	C	T	DNAH7
2	196865507	A	G	DNAH7
2	196866433	A	C	DNAH7
2	196877557	T	C	DNAH7
2	196889160	G	A	DNAH7
2	196889180	G	A	DNAH7
2	196892695	T	C	DNAH7
2	196892715	G	A	DNAH7
2	196912179	G	C	DNAH7
2	196922836	T	A	DNAH7
2	197002331	G	A	STK17B
2	197184268	CTC	-	HECW2

2	197184364	T	C	HECW2
2	197521469	TG	-	CCDC150
2	197521750	G	A	CCDC150
2	197629304	T	C	GTF3C3
2	197631303	G	C	GTF3C3
2	197662526	T	C	GTF3C3
2	197705993	G	A	PGAP1
2	197735679	G	C	PGAP1
2	197781288	T	C	PGAP1
2	197872574	C	T	ANKRD44
2	197943489	T	G	ANKRD44
2	197954676	G	A	ANKRD44
2	197990741	A	C	ANKRD44
2	198266834	T	C	SF3B1
2	198283669	T	C	SF3B1
2	198436771	A	C	RFTN2
2	198482574	T	G	RFTN2
2	198498566	A	C	RFTN2
2	198498595	C	T	RFTN2
2	198570826	A	G	MARS2
2	198646549	G	T	BOLL
2	198948717	A	G	PLCL1
2	198949074	C	T	PLCL1
2	198949344	A	G	PLCL1
2	198950240	G	A	PLCL1
2	198950709	A	T	PLCL1
2	200776353	T	G	C2orf69
2	200790050	A	G	C2orf69
2	200813126	T	C	TYW5
2	200828526	T	A	C2orf47
2	201253956	A	G	SPATS2L
2	201303848	G	A	SPATS2L
2	201354935	C	G	KCTD18
2	201354938	GGCGCGGT	-	KCTD18
2	201355106	G	A	KCTD18
2	201362490	G	C	KCTD18
2	201363740	T	C	KCTD18
2	201397724	G	A	SGOL2
2	201434409	A	G	SGOL2
2	201436078	G	T	SGOL2
2	201437048	A	G	SGOL2
2	201437954	A	G	SGOL2
2	201438266	A	G	SGOL2

2	201515745	C	T	AOX1
2	201526330	A	G	AOX1
2	201534389	A	G	AOX1
2	201736166	A	C	PPIL3
2	201747101	T	C	PPIL3
2	201756970	C	T	NIF3L1
2	201768238	C	T	NIF3L1
2	202006096	G	A	CFLAR
2	202074086	A	T	CASP10
2	202074098	G	A	CASP10
2	202082459	T	A	CASP10
2	202122878	GTTCTCCTCCT	-	CASP8
2	202122956	T	C	CASP8
2	202122956	T	-	CASP8
2	202122958	G	-	CASP8
2	202122995	A	G	CASP8
2	202149589	G	C	CASP8
2	202149628	A	G	CASP8
2	202215492	C	G	ALS2CR12
2	202245423	A	T	TRAK2
2	202251153	A	C	TRAK2
2	202252539	G	A	TRAK2
2	202252596	C	T	TRAK2
2	202264156	C	T	TRAK2
2	202352480	G	A	ALS2CR11
2	202400832	C	T	ALS2CR11
2	202400872	G	A	ALS2CR11
2	202400884	C	A	ALS2CR11
2	202410300	A	T	ALS2CR11
2	202412322	A	G	ALS2CR11
2	202430584	G	A	ALS2CR11
2	202490812	C	A	TMEM237
2	202496852	T	C	TMEM237
2	202512449	C	T	MPP4
2	202591249	C	T	ALS2
2	202625615	C	T	ALS2
2	202626437	T	C	ALS2
2	202700399	C	T	CDK15
2	202957848	T	C	KIAA2012
2	202974360	T	G	KIAA2012
2	203052947	G	A	KIAA2012
2	203058186	G	A	KIAA2012
2	203155896	A	C	NOP58

2	203653587	A	T	ICA1L
2	203680638	A	G	ICA1L
2	203686202	T	C	ICA1L
2	203772630	C	T	WDR12
2	203806666	A	G	CARF
2	203817297	C	T	CARF
2	203846817	A	T	CARF
2	203848307	-	A	CARF
2	203972820	G	T	NBEAL1
2	203980768	A	C	NBEAL1
2	203995078	G	A	NBEAL1
2	204000845	C	T	NBEAL1
2	204009437	A	G	NBEAL1
2	204037533	A	G	NBEAL1
2	204058557	C	G	NBEAL1
2	204058625	T	G	NBEAL1
2	204062061	A	G	NBEAL1
2	204073414	A	G	NBEAL1
2	204073435	G	A	NBEAL1
2	204116690	C	T	CYP20A1
2	204150427	G	C	CYP20A1
2	204154552	C	T	CYP20A1
2	204161222	G	A	CYP20A1
2	204245066	A	G	ABI2
2	205912403	T	C	PARD3B
2	205969220	G	A	PARD3B
2	205986458	A	G	PARD3B
2	206041244	A	G	PARD3B
2	206305156	C	T	PARD3B
2	206581033	G	A	NRP2
2	206588569	C	T	NRP2
2	206869724	T	A	INO80D
2	206872113	T	C	INO80D
2	206911228	G	A	INO80D
2	206920990	C	T	INO80D
2	206994920	C	T	NDUFS1
2	207003310	G	C	NDUFS1
2	207041053	T	C	GPR1
2	207041602	T	C	GPR1
2	207162033	A	G	ZDBF2
2	207169548	A	T	ZDBF2
2	207169731	G	A	ZDBF2
2	207170334	G	C	ZDBF2

2	207171050	G	A	ZDBF2
2	207171311	C	T	ZDBF2
2	207172142	C	T	ZDBF2
2	207173160	C	T	ZDBF2
2	207175023	A	C	ZDBF2
2	207175070	G	A	ZDBF2
2	207175370	C	T	ZDBF2
2	207310170	A	G	ADAM23
2	207310177	A	C	ADAM23
2	207310189	T	G	ADAM23
2	207527656	A	G	DYTN
2	207527840	G	T	DYTN
2	207527977	-	CC	DYTN
2	207527981	C	A	DYTN
2	207557965	G	A	DYTN
2	207564562	T	A	DYTN
2	207569623	A	C	DYTN
2	207570529	G	C	DYTN
2	207615724	C	T	MDH1B
2	207620027	G	A	MDH1B
2	207631446	G	C	FASTKD2
2	207631461	G	A	FASTKD2
2	207631566	A	G	FASTKD2
2	207656411	A	G	FASTKD2
2	207820276	G	A	CPO
2	207824384	T	G	CPO
2	207827220	G	A	CPO
2	207834031	G	T	CPO
2	208477852	G	A	METTL21A
2	208632817	G	A	FZD5
2	208841407	C	T	PLEKHM3
2	208842154	G	A	PLEKHM3
2	208842185	C	T	PLEKHM3
2	208986546	C	T	CRYGD
2	208993135	C	T	CRYGC
2	209007559	T	G	CRYGB
2	209028127	T	A	CRYGA
2	209036778	A	G	C2orf80
2	209108301	T	C	IDH1
2	209108317	C	T	IDH1
2	209179036	G	A	PIKFYVE
2	209179939	A	G	PIKFYVE
2	209190330	T	C	PIKFYVE

2	209190416	A	G	PIKFYVE
2	209190519	A	T	PIKFYVE
2	209190528	C	G	PIKFYVE
2	209190632	T	G	PIKFYVE
2	209191082	C	A	PIKFYVE
2	209200043	C	T	PIKFYVE
2	209204738	T	G	PIKFYVE
2	209212695	G	C	PIKFYVE
2	209302328	C	A	PTH2R
2	209307104	C	T	PTH2R
2	210518057	G	A	MAP2
2	210557565	C	T	MAP2
2	210557879	A	G	MAP2
2	210558134	G	T	MAP2
2	210558162	G	A	MAP2
2	210558391	C	G	MAP2
2	210559050	G	A	MAP2
2	210559865	G	A	MAP2
2	210560189	A	G	MAP2
2	210642087	C	T	UNC80
2	210678385	G	T	UNC80
2	210678386	C	T	UNC80
2	210683829	G	C	UNC80
2	210705365	G	C	UNC80
2	210707088	T	G	UNC80
2	210742763	C	T	UNC80
2	210837935	C	T	UNC80
2	210860104	C	A	UNC80
2	210887737	G	A	KANSL1L
2	210893623	A	G	KANSL1L
2	210905194	T	C	KANSL1L
2	211018643	C	T	KANSL1L
2	211060050	T	G	ACADL
2	211068103	-	TTAAACATAAC,	ACADL
2	211068107	C	A	ACADL
2	211068110	GT	-	ACADL
2	211070402	C	G	ACADL
2	211085491	G	A	ACADL
2	211306106	C	T	LANCL1
2	211421452	-	TCT	CPS1
2	211442212	G	A	CPS1
2	211452797	G	A	CPS1
2	211454831	G	A	CPS1

2	211456637	A	G	<i>CPS1</i>
2	211456646	G	T	<i>CPS1</i>
2	211539650	G	A	<i>CPS1</i>
2	211540507	C	A	<i>CPS1</i>
2	211540542	C	T	<i>CPS1</i>
2	213921685	T	C	<i>IKZF2</i>
2	214012467	T	C	<i>IKZF2</i>
2	214160817	G	A	<i>SPAG16</i>
2	214174819	C	T	<i>SPAG16</i>
2	214354811	G	A	<i>SPAG16</i>
2	214727221	A	C	<i>SPAG16</i>
2	214794743	A	C	<i>SPAG16</i>
2	214794748	G	A	<i>SPAG16</i>
2	214878695	TGTA	-	<i>SPAG16</i>
2	215278935	T	A	<i>VWC2L</i>
2	215593522	T	C	<i>BARD1</i>
2	215595164	G	A	<i>BARD1</i>
2	215617178	C	G	<i>BARD1</i>
2	215632255	C	T	<i>BARD1</i>
2	215645464	C	G	<i>BARD1</i>
2	215645503	TGGTGAAGAAC-		<i>BARD1</i>
2	215674224	G	A	<i>BARD1</i>
2	215674261	C	A	<i>BARD1</i>
2	215798851	G	A	<i>ABCA12</i>
2	215813331	C	T	<i>ABCA12</i>
2	215813807	T	C	<i>ABCA12</i>
2	215815751	T	G	<i>ABCA12</i>
2	215821412	C	T	<i>ABCA12</i>
2	215848528	T	C	<i>ABCA12</i>
2	215852398	T	C	<i>ABCA12</i>
2	215876783	T	C	<i>ABCA12</i>
2	215882749	G	T	<i>ABCA12</i>
2	215882771	G	C	<i>ABCA12</i>
2	215891583	C	G	<i>ABCA12</i>
2	215910724	T	G	<i>ABCA12</i>
2	215917233	G	A	<i>ABCA12</i>
2	216177330	-	G	<i>ATIC</i>
2	216177332	-	A	<i>ATIC</i>
2	216190020	C	G	<i>ATIC</i>
2	216211572	C	T	<i>ATIC</i>
2	216226759	C	G	<i>FN1</i>
2	216235029	C	T	<i>FN1</i>
2	216235089	C	T	<i>FN1</i>

2	216236712	T	C	FN1
2	216251538	G	A	FN1
2	216272900	T	G	FN1
2	216289015	C	T	FN1
2	216292996	T	A	FN1
2	216300470	G	A	FN1
2	216300482	T	A	FN1
2	216861171	G	A	MREG
2	216904019	A	T	PECR
2	216923679	C	T	PECR
2	216946463	A	G	PECR
2	216965100	A	T	TMEM169
2	217285104	C	G	SMARCAL1
2	217288388	G	C	SMARCAL1
2	217293442	A	T	SMARCAL1
2	217542888	G	A	IGFBP5
2	217543728	G	A	IGFBP5
2	218669225	T	C	TNS1
2	218682757	G	A	TNS1
2	218695102	G	A	TNS1
2	218713282	G	A	TNS1
2	218713469	G	A	TNS1
2	218747073	A	C	TNS1
2	218749850	C	G	TNS1
2	218758179	C	T	TNS1
2	218758200	T	G	TNS1
2	218759745	G	A	TNS1
2	218762616	C	T	TNS1
2	218953991	T	G	RUFY4
2	218954697	C	T	RUFY4
2	219028910	G	A	CXCR1
2	219028932	G	A	CXCR1
2	219028997	C	T	CXCR1
2	219029843	A	C	CXCR1
2	219128261	A	G	GPBAR1
2	219137451	C	T	PNKD
2	219146737	G	A	TMBIM1
2	219146803	G	A	TMBIM1
2	219204523	G	A	PNKD
2	219204534	G	A	PNKD
2	219254672	T	C	SLC11A1
2	219256102	G	A	SLC11A1
2	219258856	T	C	SLC11A1

2	219259732	G	A	SLC11A1
2	219266385	G	A	CTDSP1
2	219294124	C	A	VIL1
2	219299355	G	A	VIL1
2	219301227	A	G	VIL1
2	219303399	G	C	VIL1
2	219319657	A	G	USP37
2	219319666	C	T	USP37
2	219341618	C	G	USP37
2	219374729	G	A	USP37
2	219411735	G	A	USP37
2	219414560	C	G	USP37
2	219492952	C	T	PLCD4
2	219495382	T	C	PLCD4
2	219505465	G	A	ZNF142
2	219507166	G	A	ZNF142
2	219507302	C	T	ZNF142
2	219508199	C	T	ZNF142
2	219508253	G	A	ZNF142
2	219508988	T	C	ZNF142
2	219509285	A	C	ZNF142
2	219509618	C	A	ZNF142
2	219526649	G	A	BCS1L
2	219528898	C	G	RNF25
2	219529924	T	G	RNF25
2	219532975	T	C	RNF25
2	219540127	T	C	STK36
2	219544388	A	G	STK36
2	219544451	A	G	STK36
2	219553423	C	G	STK36
2	219555262	G	A	STK36
2	219558006	A	C	STK36
2	219561254	G	A	STK36
2	219562675	G	A	STK36
2	219563602	G	A	STK36
2	219602499	G	C	TLL4
2	219602540	G	T	TLL4
2	219602754	C	T	TLL4
2	219603037	A	G	TLL4
2	219611871	G	A	TLL4
2	219617523	A	G	TLL4
2	219688502	C	T	PRKAG3
2	219692022	T	C	PRKAG3

2	219692597	T	C	<i>PRKAG3</i>
2	219735876	C	G	<i>WNT6</i>
2	219746977	C	T	<i>WNT10A</i>
2	219747090	C	A	<i>WNT10A</i>
2	219754822	G	A	<i>WNT10A</i>
2	219754840	C	T	<i>WNT10A</i>
2	219854997	A	G	<i>CRYBA2</i>
2	219869002	C	T	<i>CFAP65</i>
2	219871207	C	T	<i>CFAP65</i>
2	219874697	G	T	<i>CFAP65</i>
2	219878668	T	C	<i>CFAP65</i>
2	219878756	G	A	<i>CFAP65</i>
2	219890814	C	T	<i>CFAP65</i>
2	219892233	T	A	<i>CFAP65</i>
2	219892290	C	T	<i>CFAP65</i>
2	219892500	G	A	<i>CFAP65</i>
2	219894191	G	T	<i>CFAP65</i>
2	219894875	G	A	<i>CFAP65</i>
2	219900068	C	T	<i>CFAP65</i>
2	219903258	T	G	<i>CFAP65</i>
2	219905247	T	C	<i>CFAP65</i>
2	219920308	G	A	<i>IHH</i>
2	220022915	C	T	<i>NHEJ1</i>
2	220023045	C	T	<i>NHEJ1</i>
2	220037393	A	G	<i>CNPPD1</i>
2	220037444	G	A	<i>CNPPD1</i>
2	220037608	A	C	<i>CNPPD1</i>
2	220037666	A	G	<i>CNPPD1</i>
2	220040963	G	A	<i>CNPPD1</i>
2	220046840	G	A	<i>FAM134A</i>
2	220046957	A	G	<i>FAM134A</i>
2	220046975	C	A	<i>FAM134A</i>
2	220047173	A	T	<i>FAM134A</i>
2	220072431	C	A	<i>ZFAND2B</i>
2	220078006	C	T	<i>ABCB6</i>
2	220078564	G	C	<i>ABCB6</i>
2	220081416	G	A	<i>ABCB6</i>
2	220082504	C	T	<i>ABCB6</i>
2	220082505	G	A	<i>ABCB6</i>
2	220087441	T	C	<i>ATG9A</i>
2	220092519	A	C	<i>ATG9A</i>
2	220096678	A	C	<i>ANKZF1</i>
2	220096749	ACC	-	<i>ANKZF1</i>

2	220097257	G	C	ANKZF1
2	220097286	G	A	ANKZF1
2	220099713	C	T	ANKZF1
2	220100258	G	A	ANKZF1
2	220100476	G	A	ANKZF1
2	220100530	AGCAGG	-	ANKZF1
2	220100787	C	T	ANKZF1
2	220107975	G	A	GLB1L
2	220113159	C	T	STK16
2	220113193	C	T	STK16
2	220155316	T	C	PTPRN
2	220193917	C	T	RESP18
2	220194459	T	C	RESP18
2	220197321	C	T	RESP18
2	220197388	C	A	RESP18
2	220250147	A	G	DNPEP
2	220250232	G	C	DNPEP
2	220251685	T	G	DNPEP
2	220284876	C	T	DES
2	220309688	G	A	SPEG
2	220333587	C	T	SPEG
2	220337690	G	A	SPEG
2	220347909	G	T	SPEG
2	220349156	T	A	SPEG
2	220352984	C	T	SPEG
2	220353532	C	A	SPEG
2	220354108	A	G	SPEG
2	220355529	A	G	SPEG
2	220361590	-	A	LOC100996693
2	220362897	G	A	LOC100996693
2	220364848	C	T	GMPPA
2	220366249	C	T	GMPPA
2	220379175	C	T	ASIC4
2	220379544	T	C	ASIC4
2	220379549	C	G	ASIC4
2	220396785	A	G	ASIC4
2	220404334	T	A	CHPF
2	220404335	C	T	CHPF
2	220404484	G	C	CHPF
2	220418334	C	A	OBSL1
2	220419339	T	C	OBSL1
2	220419340	G	A	OBSL1
2	220420922	C	T	OBSL1

2	220421320	C	T	OBSL1
2	220422686	C	T	OBSL1
2	220432804	G	A	OBSL1
2	220432957	G	A	OBSL1
2	220439634	G	A	INHA
2	220439822	T	G	INHA
2	220439916	G	A	INHA
2	220466152	T	C	STK11IP
2	220470429	C	T	STK11IP
2	220470710	G	A	STK11IP
2	220472813	T	G	STK11IP
2	220473355	G	A	STK11IP
2	220476443	C	T	STK11IP
2	220493959	G	A	SLC4A3
2	220494054	GAGGAAGAG	-	SLC4A3
2	220494859	T	C	SLC4A3
2	220494903	-	GACTCGCTGGC	SLC4A3
2	220496799	GAA	-	SLC4A3
2	220502366	G	C	SLC4A3
2	220502367	A	C	SLC4A3
2	223085955	G	T	PAX3
2	223168695	A	G	CCDC140
2	223339437	A	C	SGPP2
2	223436607	C	T	FARSB
2	223536541	G	A	MOGAT1
2	223553200	T	C	MOGAT1
2	223554134	G	C	MOGAT1
2	223559987	G	-	MOGAT1
2	223917983	T	G	KCNE4
2	224462310	G	A	SCG2
2	224642493	G	A	AP1S3
2	224642495	G	A	AP1S3
2	224642526	T	C	AP1S3
2	224642579	A	C	AP1S3
2	224824315	A	G	MRPL44
2	225244352	G	A	FAM124B
2	225244748	G	A	FAM124B
2	225244888	A	G	FAM124B
2	225362478	C	T	CUL3
2	225630508	C	T	DOCK10
2	225670901	G	C	DOCK10
2	225717807	G	T	DOCK10
2	225721677	C	T	DOCK10

2	225751189	G	A	DOCK10
2	225811581	T	A	DOCK10
2	225811592	T	A	DOCK10
2	226273749	T	G	NYAP2
2	227660781	T	C	IRS1
2	227661003	C	G	IRS1
2	227661921	C	G	IRS1
2	227729737	G	A	RHBDD1
2	227731962	T	C	RHBDD1
2	227771589	C	G	RHBDD1
2	227778999	C	T	RHBDD1
2	227872783	G	C	COL4A4
2	227892710	G	A	COL4A4
2	227892720	C	T	COL4A4
2	227917090	T	C	COL4A4
2	227920747	C	T	COL4A4
2	227946893	C	G	COL4A4
2	227954599	G	A	COL4A4
2	227979361	C	A	COL4A4
2	228012183	A	G	COL4A4
2	228102723	G	C	COL4A3
2	228110691	C	A	COL4A3
2	228113175	A	G	COL4A3
2	228118867	G	A	COL4A3
2	228121101	G	T	COL4A3
2	228128568	G	A	COL4A3
2	228131169	A	G	COL4A3
2	228135631	C	T	COL4A3
2	228149028	G	A	COL4A3
2	228163453	C	A	COL4A3
2	228172594	T	C	COL4A3
2	228173636	A	G	COL4A3
2	228194498	-	G	MFF
2	228194500	-	GTGAGCAGGGG	MFF
2	228194500	-	GTGAGCAGGGG	MFF
2	228220478	G	A	MFF
2	228228462	T	G	TM4SF20
2	228230836	T	C	TM4SF20
2	228230945	G	A	TM4SF20
2	228243902	A	G	TM4SF20
2	228243905	G	A	TM4SF20
2	228388517	T	C	AGFG1
2	228476140	C	T	C2orf83

2	228476253	C	G	<i>C2orf83</i>
2	228493211	G	A	<i>C2orf83</i>
2	228560728	A	G	<i>SLC19A3</i>
2	228563810	T	C	<i>SLC19A3</i>
2	228758554	A	T	<i>DAW1</i>
2	228762987	C	T	<i>DAW1</i>
2	228771023	T	C	<i>DAW1</i>
2	228846564	C	G	<i>SPHKAP</i>
2	228855866	G	C	<i>SPHKAP</i>
2	228855993	C	T	<i>SPHKAP</i>
2	228858308	G	T	<i>SPHKAP</i>
2	228881267	G	T	<i>SPHKAP</i>
2	228881588	C	T	<i>SPHKAP</i>
2	228882970	T	C	<i>SPHKAP</i>
2	228883029	A	C	<i>SPHKAP</i>
2	228883583	C	T	<i>SPHKAP</i>
2	228883721	T	C	<i>SPHKAP</i>
2	228884420	C	T	<i>SPHKAP</i>
2	228884530	G	A	<i>SPHKAP</i>
2	228884686	G	A	<i>SPHKAP</i>
2	230450646	T	A	<i>DNER</i>
2	230450659	A	T	<i>DNER</i>
2	230678650	G	A	<i>TRIP12</i>
2	230723595	C	T	<i>TRIP12</i>
2	230841033	A	G	<i>FBXO36</i>
2	230910965	C	T	<i>SLC16A14</i>
2	231036428	G	A	<i>SP110</i>
2	231036860	C	T	<i>SP110</i>
2	231041401	T	C	<i>SP110</i>
2	231042276	A	G	<i>SP110</i>
2	231042873	C	T	<i>SP110</i>
2	231050715	A	G	<i>SP110</i>
2	231072709	C	T	<i>SP110</i>
2	231077110	C	T	<i>SP110</i>
2	231077112	G	A	<i>SP110</i>
2	231077676	G	A	<i>SP110</i>
2	231077683	C	T	<i>SP110</i>
2	231149097	T	C	<i>SP140</i>
2	231248261	C	T	<i>SP140L</i>
2	231256814	A	G	<i>SP140L</i>
2	231258150	C	T	<i>SP140L</i>
2	231326031	G	A	<i>SP100</i>
2	231333763	A	G	<i>SP100</i>

2	231404024	C	T	SP100
2	231406070	G	A	SP100
2	231406680	T	C	SP100
2	231729802	C	T	ITM2C
2	231738168	G	A	ITM2C
2	231775094	C	A	GPR55
2	231861033	CAGCAGCCTAC-		SPATA3
2	231861033	CAGCAGCCTAC-		SPATA3
2	231861210	G	A	SPATA3
2	231865144	G	C	SPATA3
2	231937054	G	A	PSMD1
2	232156084	C	T	ARMC9
2	232209714	C	T	ARMC9
2	232263031	G	A	B3GNT7
2	232263127	G	A	B3GNT7
2	232323756	T	C	NCL
2	232325418	TCA	-	NCL
2	232325442	TCG	-	NCL
2	232325443	C	-	NCL
2	232326517	T	G	NCL
2	232326521	CTGGTGTGGCT-		NCL
2	232392957	G	A	NMUR1
2	232392987	C	T	NMUR1
2	232393124	C	T	NMUR1
2	232393323	G	A	NMUR1
2	232457693	G	C	C2orf57
2	232457880	T	C	C2orf57
2	232457898	A	G	C2orf57
2	232458027	T	C	C2orf57
2	232458818	C	T	C2orf57
2	232663646	A	G	COPS7B
2	232952240	A	G	DIS3L2
2	232995439	T	G	DIS3L2
2	233127938	C	G	DIS3L2
2	233127939	G	A	DIS3L2
2	233208123	-	GGG	DIS3L2
2	233243945	C	A	ALPP
2	233243981	A	T	ALPP
2	233244223	A	C	ALPP
2	233246221	C	T	ALPP
2	233272029	T	C	ALPPL2
2	233321394	G	A	ALPI
2	233345474	C	A	ECEL1

2	233346498	C	T	<i>ECEL1</i>
2	233348851	C	G	<i>ECEL1</i>
2	233350644	G	T	<i>ECEL1</i>
2	233391303	C	G	<i>CHRND</i>
2	233396103	C	G	<i>CHRND</i>
2	233396160	C	T	<i>CHRND</i>
2	233398698	C	T	<i>CHRND</i>
2	233404728	C	T	<i>CHRNG</i>
2	233404771	G	A	<i>CHRNG</i>
2	233406178	G	A	<i>CHRNG</i>
2	233409156	C	T	<i>CHRNG</i>
2	233410388	C	T	<i>CHRNG</i>
2	233633460	G	A	<i>KCNJ13</i>
2	233655834	T	A	<i>GIGYF2</i>
2	233659545	A	C	<i>GIGYF2</i>
2	233659553	C	A	<i>GIGYF2</i>
2	233712109	A	G	<i>GIGYF2</i>
2	233756073	C	T	<i>NGEF</i>
2	233756151	C	T	<i>NGEF</i>
2	233757708	C	T	<i>NGEF</i>
2	233834975	A	G	<i>NGEF</i>
2	233897414	C	A	<i>NEU2</i>
2	233897503	G	A	<i>NEU2</i>
2	233899126	C	A	<i>NEU2</i>
2	234181677	G	A	<i>ATG16L1</i>
2	234183368	A	G	<i>ATG16L1</i>
2	234229320	A	G	<i>SAG</i>
2	234229395	G	A	<i>SAG</i>
2	234255547	G	A	<i>SAG</i>
2	234255548	T	C	<i>SAG</i>
2	234377185	C	T	<i>DGKD</i>
2	234389917	ATC	-	<i>USP40</i>
2	234394487	G	A	<i>USP40</i>
2	234394489	T	C	<i>USP40</i>
2	234429739	-	TTC	<i>USP40</i>
2	234432017	A	G	<i>USP40</i>
2	234433190	C	G	<i>USP40</i>
2	234580588	G	A	<i>UGT1A9</i>
2	234580842	C	T	<i>UGT1A9</i>
2	234601669	T	G	<i>UGT1A6</i>
2	234601774	A	G	<i>UGT1A6</i>
2	234602191	A	G	<i>UGT1A6</i>
2	234602202	A	C	<i>UGT1A6</i>

2	234669144	G	A	UGT1A1
2	234698550	C	T	MROH2A
2	234701492	A	G	MROH2A
2	234704318	A	G	MROH2A
2	234708868	G	C	MROH2A
2	234710859	G	A	MROH2A
2	234712127	G	T	MROH2A
2	234713681	G	T	MROH2A
2	234717839	C	A	MROH2A
2	234725427	C	T	MROH2A
2	234725513	-	CA	MROH2A
2	234725517	A	G	MROH2A
2	234727333	C	G	MROH2A
2	234728611	C	T	MROH2A
2	234730807	G	A	MROH2A
2	234732311	G	A	MROH2A
2	234737387	C	T	MROH2A
2	234740136	G	A	MROH2A
2	234740157	G	A	MROH2A
2	234741266	C	G	MROH2A
2	234749354	G	A	HJURP
2	234749780	G	C	HJURP
2	234749783	C	G	HJURP
2	234750380	C	T	HJURP
2	234750542	G	C	HJURP
2	234750831	T	C	HJURP
2	234752863	C	T	HJURP
2	234761225	C	T	HJURP
2	234763111	G	T	HJURP
2	234763137	T	C	HJURP
2	234854540	G	C	TRPM8
2	234854552	A	G	TRPM8
2	234863788	G	A	TRPM8
2	234891850	G	A	TRPM8
2	234959642	C	T	SPP2
2	235950002	G	A	SH3BP4
2	235950105	C	T	SH3BP4
2	235950461	G	A	SH3BP4
2	236715907	A	C	AGAP1
2	236761396	C	T	AGAP1
2	236957822	G	A	AGAP1
2	237075031	G	A	GBX2
2	237076209	C	G	GBX2

2	237149941	C	T	ASB18
2	237246905	A	G	IQCA1
2	237300648	G	T	IQCA1
2	237300677	T	C	IQCA1
2	237349715	C	G	IQCA1
2	237405961	C	T	IQCA1
2	237489232	G	A	ACKR3
2	237490000	C	T	ACKR3
2	237490115	C	T	ACKR3
2	238242176	G	C	COL6A3
2	238243464	C	G	COL6A3
2	238244781	T	C	COL6A3
2	238244864	GCA	-	COL6A3
2	238244963	A	G	COL6A3
2	238245107	G	A	COL6A3
2	238247734	C	G	COL6A3
2	238262021	G	A	COL6A3
2	238275569	T	C	COL6A3
2	238277379	C	T	COL6A3
2	238280504	C	T	COL6A3
2	238283472	T	G	COL6A3
2	238287357	C	T	COL6A3
2	238289767	T	C	COL6A3
2	238289980	G	C	COL6A3
2	238289984	C	G	COL6A3
2	238296306	G	C	COL6A3
2	238427194	T	C	MLPH
2	238427215	G	A	MLPH
2	238443226	A	G	MLPH
2	238449007	T	C	MLPH
2	238449108	G	T	MLPH
2	238449505	C	T	MLPH
2	238457913	A	G	MLPH
2	238461049	C	T	MLPH
2	238475232	G	T	PRLH
2	238484068	T	C	RAB17
2	238485990	G	C	RAB17
2	238494742	A	G	RAB17
2	238642460	G	T	LRRFIP1
2	238643972	G	A	LRRFIP1
2	238668783	A	G	LRRFIP1
2	238672290	C	T	LRRFIP1
2	238672422	C	T	LRRFIP1

2	238672425	G	C	LRRFIP1
2	238678616	G	A	LRRFIP1
2	238725833	A	G	RBM44
2	238726817	A	G	RBM44
2	238730417	C	G	RBM44
2	238736077	C	A	RBM44
2	238973062	A	G	SCLY
2	238990388	G	A	SCLY
2	239013338	A	C	ESPNL
2	239038829	C	G	ESPNL
2	239038917	G	A	ESPNL
2	239039057	A	G	ESPNL
2	239039075	G	T	ESPNL
2	239039183	G	A	ESPNL
2	239039298	G	T	ESPNL
2	239039312	C	T	ESPNL
2	239039864	G	A	ESPNL
2	239039882	G	A	ESPNL
2	239039970	C	T	ESPNL
2	239039981	A	G	ESPNL
2	239040065	G	A	ESPNL
2	239040218	G	A	ESPNL
2	239049540	G	A	KLHL30
2	239049928	G	A	KLHL30
2	239050033	C	T	KLHL30
2	239056591	C	T	KLHL30
2	239072994	C	T	FAM132B
2	239098594	T	C	ILKAP
2	239147730	C	T	HES6
2	239155053	C	T	PER2
2	239162038	A	G	PER2
2	239165637	G	A	PER2
2	239184449	G	T	PER2
2	239253177	A	C	TRAF3IP1
2	239253224	A	T	TRAF3IP1
2	240011722	C	T	HDAC4
2	240061400	C	T	HDAC4
2	240951071	C	T	NDUFA10
2	240981375	T	A	PRR21
2	240982362	-	GCCGTGGATG	PRR21
2	240984660	A	C	OR6B3
2	240984901	G	T	OR6B3
2	241066201	C	T	MYEOV2

2	241069437	C	G	MYEOV2
2	241078673	G	A	OTOS
2	241079724	G	A	OTOS
2	241401673	G	A	GPC1
2	241401799	C	T	GPC1
2	241401910	C	T	GPC1
2	241402836	G	A	GPC1
2	241405528	A	G	GPC1
2	241405613	A	C	GPC1
2	241439525	G	A	ANKMY1
2	241463317	G	A	ANKMY1
2	241463453	C	A	ANKMY1
2	241463639	C	T	ANKMY1
2	241468605	G	T	ANKMY1
2	241468671	G	A	ANKMY1
2	241468721	G	A	ANKMY1
2	241468875	C	T	ANKMY1
2	241512581	G	A	RNPEPL1
2	241517107	G	A	RNPEPL1
2	241526428	C	G	CAPN10
2	241534088	C	T	CAPN10
2	241535835	G	A	CAPN10
2	241536279	C	T	CAPN10
2	241537399	G	A	CAPN10
2	241538074	A	G	CAPN10
2	241569442	G	A	GPR35
2	241569447	C	G	GPR35
2	241569454	G	A	GPR35
2	241569874	A	G	GPR35
2	241569985	G	A	GPR35
2	241570127	C	T	GPR35
2	241622103	A	C	AQP12B
2	241622187	C	T	AQP12B
2	241658469	G	A	KIF1A
2	241685270	G	A	KIF1A
2	241685573	C	T	KIF1A
2	241808308	C	A	AGXT
2	241808314	C	T	AGXT
2	241808347	A	G	AGXT
2	241810850	G	A	AGXT
2	241815411	T	C	AGXT
2	241816990	G	A	AGXT
2	241817516	A	G	AGXT

2	241831155	C	G	<i>C2orf54</i>
2	241831296	C	G	<i>C2orf54</i>
2	241834996	C	T	<i>C2orf54</i>
2	241969819	G	A	<i>SNED1</i>
2	241976210	C	A	<i>SNED1</i>
2	242004296	G	A	<i>SNED1</i>
2	242021742	G	T	<i>SNED1</i>
2	242035544	G	C	<i>MTERF4</i>
2	242036797	A	G	<i>MTERF4</i>
2	242039198	T	C	<i>MTERF4</i>
2	242046785	A	C	<i>PASK</i>
2	242047621	C	T	<i>PASK</i>
2	242054750	A	C	<i>PASK</i>
2	242063458	C	T	<i>PASK</i>
2	242065688	C	T	<i>PASK</i>
2	242065751	G	-	<i>PASK</i>
2	242065944	C	T	<i>PASK</i>
2	242066042	G	A	<i>PASK</i>
2	242066156	C	T	<i>PASK</i>
2	242066276	G	C	<i>PASK</i>
2	242077496	C	T	<i>PASK</i>
2	242097918	A	G	<i>PPP1R7</i>
2	242122182	G	A	<i>PPP1R7</i>
2	242128114	C	T	<i>ANO7</i>
2	242129515	G	A	<i>ANO7</i>
2	242129524	G	A	<i>ANO7</i>
2	242135265	G	A	<i>ANO7</i>
2	242138819	G	A	<i>ANO7</i>
2	242139600	G	A	<i>ANO7</i>
2	242157184	A	C	<i>ANO7</i>
2	242157188	G	A	<i>ANO7</i>
2	242157241	G	A	<i>ANO7</i>
2	242163359	G	A	<i>ANO7</i>
2	242163366	CA	-	<i>ANO7</i>
2	242163548	GCCAGCCAGC	-	<i>ANO7</i>
2	242192848	T	C	<i>HDLBP</i>
2	242194540	G	C	<i>HDLBP</i>
2	242204015	T	C	<i>HDLBP</i>
2	242206311	C	T	<i>HDLBP</i>
2	242312572	G	A	<i>FARP2</i>
2	242312655	C	T	<i>FARP2</i>
2	242312656	A	G	<i>FARP2</i>
2	242352768	A	C	<i>FARP2</i>

2	242371101	C	T	<i>FARP2</i>
2	242380734	G	A	<i>FARP2</i>
2	242380873	A	G	<i>FARP2</i>
2	242402016	G	A	<i>FARP2</i>
2	242407588	G	A	<i>FARP2</i>
2	242430501	A	T	<i>FARP2</i>
2	242430994	C	T	<i>FARP2</i>
2	242501804	G	A	<i>BOK</i>
2	242572950	C	G	<i>THAP4</i>
2	242572997	G	T	<i>THAP4</i>
2	242573211	T	C	<i>THAP4</i>
2	242606080	G	A	<i>ATG4B</i>
2	242610172	A	G	<i>ATG4B</i>
2	242610773	T	A	<i>ATG4B</i>
2	242674803	G	A	<i>D2HGDH</i>
2	242690675	G	A	<i>D2HGDH</i>
2	242690726	G	A	<i>D2HGDH</i>
2	242690745	C	T	<i>D2HGDH</i>
2	242707175	C	T	<i>D2HGDH</i>
2	242716380	A	T	<i>GAL3ST2</i>
2	242716400	G	A	<i>GAL3ST2</i>
2	242742875	C	T	<i>GAL3ST2</i>
2	242743532	T	C	<i>GAL3ST2</i>
2	242757574	C	T	<i>NEU4</i>
2	242757820	G	A	<i>NEU4</i>
2	242758210	G	A	<i>NEU4</i>
2	242758301	T	C	<i>NEU4</i>
2	242814360	T	C	<i>RTP5</i>
2	242814639	T	C	<i>RTP5</i>
2	242815059	C	T	<i>RTP5</i>
2	242815136	G	A	<i>RTP5</i>
3	361493	G	A	<i>CHL1</i>
3	361508	C	T	<i>CHL1</i>
3	367705	A	G	<i>CHL1</i>
3	383757	T	C	<i>CHL1</i>
3	391100	A	G	<i>CHL1</i>
3	404985	G	A	<i>CHL1</i>
3	423904	A	G	<i>CHL1</i>
3	439963	A	G	<i>CHL1</i>
3	1320141	C	T	<i>CNTN6</i>
3	1320187	T	C	<i>CNTN6</i>
3	1363480	G	A	<i>CNTN6</i>
3	1363500	G	A	<i>CNTN6</i>

3	1369255	G	C	CNTN6
3	1414075	A	C	CNTN6
3	1424693	C	T	CNTN6
3	3072619	T	G	CNTN4
3	3084045	A	T	CNTN4
3	3084747	C	G	CNTN4
3	3139957	T	C	IL5RA
3	3170792	C	T	TRNT1
3	3189825	T	C	TRNT1
3	3216933	C	T	CRBN
3	3886665	G	A	LRRN1
3	3887508	C	G	LRRN1
3	4354697	G	A	SETMAR
3	4354802	A	G	SETMAR
3	4459755	C	G	SUMF1
3	4508742	C	T	SUMF1
3	4704816	G	A	ITPR1
3	4712517	G	C	ITPR1
3	4714920	A	G	ITPR1
3	4725445	A	G	ITPR1
3	4741510	C	T	ITPR1
3	4808290	T	G	ITPR1
3	4842276	G	A	ITPR1
3	5216072	A	G	ARL8B
3	7494417	A	T	GRM7
3	8672534	T	C	SSUH2
3	8675447	C	T	SSUH2
3	8675467	G	A	SSUH2
3	8675539	G	A	SSUH2
3	8787313	C	G	CAV3
3	8787330	C	T	CAV3
3	8794818	C	T	OXTR
3	8809033	C	T	OXTR
3	8955389	C	T	RAD18
3	9426209	C	T	THUMPD3
3	9426224	G	A	THUMPD3
3	9489593	G	C	SETD5
3	9512345	C	G	SETD5
3	9517369	C	T	SETD5
3	9517375	C	T	SETD5
3	9517561	C	T	SETD5
3	9711141	T	A	MTMR14
3	9743632	G	A	MTMR14

3	9792107	G	A	OGG1
3	9792744	G	T	OGG1
3	9798270	C	T	OGG1
3	9798475	G	A	OGG1
3	9807587	G	A	OGG1
3	9809426	C	T	CAMK1
3	9854952	G	A	ARPC4
3	9862274	T	A	ARPC4
3	9868737	G	A	ARPC4
3	9868869	C	T	ARPC4
3	9871030	T	G	ARPC4
3	9876512	T	C	TLL3
3	9880781	G	A	RPUSD3
3	9885679	C	G	RPUSD3
3	9908875	C	A	CIDEC
3	9918776	A	G	CIDEC
3	9918811	G	A	CIDEC
3	9918818	C	T	CIDEC
3	9932407	A	G	JAGN1
3	9934753	A	G	JAGN1
3	9944636	C	T	IL17RE
3	9952627	G	A	IL17RE
3	9956279	G	A	IL17RE
3	9959640	T	C	IL17RC
3	9959753	G	A	IL17RC
3	9965582	G	A	IL17RC
3	9970063	G	A	IL17RC
3	9970081	G	A	IL17RC
3	9970088	C	T	IL17RC
3	9974882	A	G	IL17RC
3	9974919	C	T	IL17RC
3	9976159	A	G	CRELD1
3	9985083	C	T	CRELD1
3	9985136	C	T	CRELD1
3	9991163	A	G	PRRT3
3	9991388	G	C	PRRT3
3	10049228	G	T	LOC401052
3	10074529	A	C	FANCD2
3	10074633	C	T	FANCD2
3	10088285	T	G	FANCD2
3	10115033	G	T	FANCD2
3	10183605	C	T	VHL
3	10219567	C	A	IRAK2

3	10254969	G	A	<i>IRAK2</i>
3	10255002	C	G	<i>IRAK2</i>
3	10276163	T	A	<i>IRAK2</i>
3	10276185	C	G	<i>IRAK2</i>
3	10280460	A	G	<i>IRAK2</i>
3	10280465	C	A	<i>IRAK2</i>
3	10280481	C	T	<i>IRAK2</i>
3	10302056	A	G	<i>TATDN2</i>
3	10302172	G	A	<i>TATDN2</i>
3	10312599	A	G	<i>TATDN2</i>
3	10328453	T	A	<i>GHRL</i>
3	10331519	C	T	<i>GHRL</i>
3	10334546	C	T	<i>GHRL</i>
3	10353626	C	T	<i>SEC13</i>
3	10401576	C	T	<i>ATP2B2</i>
3	10401618	C	T	<i>ATP2B2</i>
3	10413597	C	T	<i>ATP2B2</i>
3	11070958	C	A	<i>SLC6A1</i>
3	11300765	G	A	<i>HRH1</i>
3	11300780	G	C	<i>HRH1</i>
3	11301794	CTT	-	<i>HRH1</i>
3	11301795	T	-	<i>HRH1</i>
3	11301796	T	-	<i>HRH1</i>
3	11301810	T	C	<i>HRH1</i>
3	11400019	T	C	<i>ATG7</i>
3	11402141	C	G	<i>ATG7</i>
3	11402163	G	A	<i>ATG7</i>
3	11880760	T	C	<i>TAMM41</i>
3	11887993	G	A	<i>TAMM41</i>
3	12393125	C	G	<i>PPARG</i>
3	12531421	G	A	<i>TSEN2</i>
3	12544774	G	T	<i>TSEN2</i>
3	12544829	G	A	<i>TSEN2</i>
3	12571387	G	C	<i>TSEN2</i>
3	12845013	C	T	<i>CAND2</i>
3	12854873	A	T	<i>CAND2</i>
3	12856856	A	G	<i>CAND2</i>
3	12856857	G	T	<i>CAND2</i>
3	12857413	C	G	<i>CAND2</i>
3	12857493	C	T	<i>CAND2</i>
3	12857896	C	T	<i>CAND2</i>
3	12858028	T	C	<i>CAND2</i>
3	12858158	C	T	<i>CAND2</i>

3	12858319	G	A	CAND2
3	12858966	G	T	CAND2
3	12859004	A	C	CAND2
3	12861608	G	A	CAND2
3	12875443	G	A	CAND2
3	12875455	A	G	CAND2
3	12942664	C	T	IQSEC1
3	12942758	GGC	-	IQSEC1
3	12942759	G	-	IQSEC1
3	12942760	C	G	IQSEC1
3	12942760	C	-	IQSEC1
3	12942878	C	T	IQSEC1
3	12943013	T	G	IQSEC1
3	12950002	C	T	IQSEC1
3	12977230	C	T	IQSEC1
3	13361287	C	T	NUP210
3	13361391	A	G	NUP210
3	13367357	G	A	NUP210
3	13381419	C	T	NUP210
3	13383315	G	C	NUP210
3	13383322	C	T	NUP210
3	13384748	A	G	NUP210
3	13395445	C	G	NUP210
3	13395475	G	C	NUP210
3	13399786	G	A	NUP210
3	13407556	T	C	NUP210
3	13421150	C	T	NUP210
3	13612286	A	G	FBLN2
3	13612319	C	T	FBLN2
3	13612459	G	C	FBLN2
3	13612786	G	A	FBLN2
3	13613015	A	C	FBLN2
3	13613081	C	T	FBLN2
3	13670536	A	G	FBLN2
3	13672888	C	G	FBLN2
3	14170981	C	T	TMEM43
3	14174077	G	A	TMEM43
3	14174427	A	T	TMEM43
3	14175262	T	C	TMEM43
3	14180693	G	C	TMEM43
3	14180731	C	T	TMEM43
3	14200382	G	T	XPC
3	14206341	G	C	XPC

3	14220023	G	C	XPC
3	14526466	A	G	SLC6A6
3	14703094	G	A	CCDC174
3	14703201	C	T	CCDC174
3	14703205	G	A	CCDC174
3	14724413	G	A	C3orf20
3	14725878	A	G	C3orf20
3	14745892	G	A	C3orf20
3	14745899	C	T	C3orf20
3	14755572	A	G	C3orf20
3	14755617	C	G	C3orf20
3	14768516	A	G	C3orf20
3	14770001	C	G	C3orf20
3	14798976	G	A	C3orf20
3	14803068	G	A	C3orf20
3	14860707	C	A	FGD5
3	14861103	G	C	FGD5
3	14862085	C	T	FGD5
3	14862121	G	A	FGD5
3	14862235	G	A	FGD5
3	14862262	G	A	FGD5
3	14863060	G	A	FGD5
3	14939088	G	A	FGD5
3	14939089	A	T	FGD5
3	14964637	G	A	FGD5
3	15071832	C	T	NR2C2
3	15084430	A	G	NR2C2
3	15115478	C	T	RBSN
3	15115872	A	G	RBSN
3	15116371	C	T	RBSN
3	15137528	C	G	RBSN
3	15259048	A	G	CAPN7
3	15259992	G	A	CAPN7
3	15298549	C	T	SH3BP5
3	15298590	C	T	SH3BP5
3	15471471	T	C	EAF1
3	15475982	C	T	EAF1
3	15477987	C	T	EAF1
3	15609490	C	T	HACL1
3	15614707	C	T	HACL1
3	15628040	T	A	HACL1
3	15677014	A	G	BTD
3	15677019	G	A	BTD

3	15677148	C	G	<i>BTD</i>
3	15686534	C	T	<i>BTD</i>
3	15686693	G	C	<i>BTD</i>
3	15717462	T	C	<i>ANKRD28</i>
3	15719049	T	C	<i>ANKRD28</i>
3	15756165	-	G	<i>ANKRD28</i>
3	16217110	C	T	<i>GALNT15</i>
3	16250068	C	G	<i>GALNT15</i>
3	16254172	G	A	<i>GALNT15</i>
3	16261420	C	T	<i>GALNT15</i>
3	16312497	G	A	<i>OXNAD1</i>
3	16327909	C	T	<i>OXNAD1</i>
3	16364954	C	T	<i>RFTN1</i>
3	16419309	C	T	<i>RFTN1</i>
3	17202637	G	T	<i>TBC1D5</i>
3	17202649	A	T	<i>TBC1D5</i>
3	17226601	C	G	<i>TBC1D5</i>
3	17275221	T	C	<i>TBC1D5</i>
3	17349498	T	C	<i>TBC1D5</i>
3	18436063	G	A	<i>SATB1</i>
3	19479731	G	A	<i>KCNH8</i>
3	19554585	TCT	-	<i>KCNH8</i>
3	19559510	G	C	<i>KCNH8</i>
3	19574945	A	G	<i>KCNH8</i>
3	19924091	C	T	<i>EFHB</i>
3	19924172	C	T	<i>EFHB</i>
3	19926053	T	G	<i>EFHB</i>
3	19930130	A	T	<i>EFHB</i>
3	19938235	T	G	<i>EFHB</i>
3	19938285	C	T	<i>EFHB</i>
3	19938327	C	T	<i>EFHB</i>
3	19940315	G	C	<i>EFHB</i>
3	19959756	G	A	<i>EFHB</i>
3	19961330	C	T	<i>EFHB</i>
3	19962044	G	A	<i>EFHB</i>
3	19975215	C	A	<i>EFHB</i>
3	20161096	A	G	<i>KAT2B</i>
3	20181809	C	T	<i>KAT2B</i>
3	20189472	C	A	<i>KAT2B</i>
3	20212227	C	T	<i>SGOL1</i>
3	20215845	G	C	<i>SGOL1</i>
3	21465510	G	A	<i>ZNF385D</i>
3	23848835	A	C	<i>UBE2E1</i>

3	24018783	C	G	NR1D2
3	25639821	C	T	TOP2B
3	25639828	T	A	TOP2B
3	25639964	G	A	TOP2B
3	25640934	T	C	TOP2B
3	25650812	T	C	TOP2B
3	25654166	G	A	TOP2B
3	25666268	A	T	TOP2B
3	25773946	C	T	NGLY1
3	25777861	G	A	NGLY1
3	25833094	C	G	OXSM
3	25835743	A	G	OXSM
3	25835860	G	C	OXSM
3	25835983	T	C	OXSM
3	27157606	C	T	NEK10
3	27182990	T	C	NEK10
3	27216197	C	T	NEK10
3	27233566	T	A	NEK10
3	27332820	A	G	NEK10
3	27338698	T	C	NEK10
3	27343261	C	T	NEK10
3	27472936	C	T	SLC4A7
3	27763350	G	A	EOMES
3	28454627	A	G	ZCWPW2
3	28520417	T	A	ZCWPW2
3	28557092	C	G	ZCWPW2
3	30029695	C	T	RBMS3
3	30664714	G	A	TGFBR2
3	30713794	G	A	TGFBR2
3	30713834	G	A	TGFBR2
3	30733044	T	A	TGFBR2
3	30769819	C	T	GADL1
3	30819751	C	T	GADL1
3	31656614	A	G	STT3B
3	31725450	C	T	OSBPL10
3	31789582	T	C	OSBPL10
3	32398997	A	G	CMTM8
3	32533246	T	C	CMTM6
3	32544147	T	C	CMTM6
3	32578505	T	C	DYNC1LI1
3	32586499	A	G	DYNC1LI1
3	32586521	C	T	DYNC1LI1
3	32587449	C	T	DYNC1LI1

3	32769189	A	T	CNOT10
3	32800976	A	T	CNOT10
3	33055688	T	C	GLB1
3	33059981	G	A	GLB1
3	33099691	C	T	GLB1
3	33110383	G	A	GLB1
3	33138549	G	A	GLB1
3	33194431	C	A	SUSD5
3	33194504	G	T	SUSD5
3	33194990	C	A	SUSD5
3	33195309	A	G	SUSD5
3	33255592	A	G	SUSD5
3	33453171	T	C	UBP1
3	33458266	T	C	UBP1
3	33467112	G	A	UBP1
3	33585009	G	A	CLASP2
3	33633967	G	A	CLASP2
3	33644497	C	T	CLASP2
3	33725866	C	T	CLASP2
3	33728610	A	G	CLASP2
3	33877626	G	A	PDCD6IP
3	33879770	G	A	PDCD6IP
3	33905566	C	T	PDCD6IP
3	35756952	C	G	ARPP21
3	35770896	C	G	ARPP21
3	35780947	G	A	ARPP21
3	35785416	C	T	ARPP21
3	36871124	T	C	TRANK1
3	36874071	G	T	TRANK1
3	36897930	G	A	TRANK1
3	36898973	G	A	TRANK1
3	36898991	T	C	TRANK1
3	37053568	A	G	MLH1
3	37067306	G	A	MLH1
3	37089130	A	G	MLH1
3	37089131	A	C	MLH1
3	37092019	G	A	MLH1
3	37096638	A	G	LRRFIP2
3	37151157	T	C	LRRFIP2
3	37363353	G	T	GOLGA4
3	37365173	A	T	GOLGA4
3	37365968	A	G	GOLGA4
3	37366459	C	A	GOLGA4

3	37367989	A	G	GOLGA4
3	37368755	T	A	GOLGA4
3	37368758	T	C	GOLGA4
3	37370566	A	T	GOLGA4
3	37376547	C	T	GOLGA4
3	37396678	G	A	GOLGA4
3	37458926	G	A	C3orf35
3	37476427	C	T	C3orf35
3	37476429	C	A	C3orf35
3	37476484	G	T	C3orf35
3	37695260	A	G	ITGA9
3	37778407	G	A	ITGA9
3	37785454	G	A	ITGA9
3	38040434	-	CAC	VILL
3	38047954	G	C	VILL
3	38049774	C	A	PLCD1
3	38051211	G	A	PLCD1
3	38051432	G	C	PLCD1
3	38052804	C	T	PLCD1
3	38052908	A	G	PLCD1
3	38080952	T	G	DLEC1
3	38080966	C	T	DLEC1
3	38103776	G	A	DLEC1
3	38136476	G	A	DLEC1
3	38163606	-	CAAA	DLEC1
3	38163636	G	A	DLEC1
3	38163785	G	A	DLEC1
3	38163867	C	T	DLEC1
3	38163900	C	T	DLEC1
3	38168125	A	C	ACAA1
3	38170810	C	G	ACAA1
3	38182062	T	C	MYD88
3	38224533	C	A	OXSRI
3	38271881	C	T	OXSRI
3	38307398	G	A	SLC22A13
3	38307656	G	A	SLC22A13
3	38347633	G	A	SLC22A14
3	38347680	C	T	SLC22A14
3	38347851	A	G	SLC22A14
3	38349147	TTTG	-	SLC22A14
3	38350519	G	A	SLC22A14
3	38350543	A	G	SLC22A14
3	38355225	G	A	SLC22A14

3	38357067	T	C	SLC22A14
3	38357961	C	G	SLC22A14
3	38390048	T	G	XYLB
3	38390056	G	C	XYLB
3	38401858	G	C	XYLB
3	38404472	C	A	XYLB
3	38407117	G	A	XYLB
3	38411606	G	T	XYLB
3	38565576	G	T	EXOG
3	38565782	C	T	EXOG
3	38592503	C	T	SCN5A
3	38645378	G	T	SCN5A
3	38645420	T	C	SCN5A
3	38739106	G	A	SCN10A
3	38739574	T	C	SCN10A
3	38739622	C	T	SCN10A
3	38743419	C	T	SCN10A
3	38753732	A	T	SCN10A
3	38764998	A	G	SCN10A
3	38766675	A	G	SCN10A
3	38766760	G	T	SCN10A
3	38768212	G	A	SCN10A
3	38768300	T	C	SCN10A
3	38768342	C	G	SCN10A
3	38793940	A	G	SCN10A
3	38798314	T	C	SCN10A
3	38802713	C	T	SCN10A
3	38805069	T	C	SCN10A
3	38835461	C	A	SCN10A
3	38888354	C	A	SCN11A
3	38913706	A	G	SCN11A
3	38924811	G	C	SCN11A
3	38936134	C	T	SCN11A
3	38949471	C	T	SCN11A
3	39108050	T	G	WDR48
3	39133129	A	G	WDR48
3	39139776	G	A	GORASP1
3	39140352	C	A	GORASP1
3	39140856	C	T	GORASP1
3	39142526	G	A	GORASP1
3	39142562	G	A	GORASP1
3	39161456	G	A	TTC21A
3	39161464	G	A	TTC21A

3	39162561	A	G	<i>TTC21A</i>
3	39170370	C	T	<i>TTC21A</i>
3	39176660	C	T	<i>TTC21A</i>
3	39178437	G	T	<i>TTC21A</i>
3	39178808	G	A	<i>TTC21A</i>
3	39180100	G	A	<i>TTC21A</i>
3	39184884	G	A	<i>CSRNP1</i>
3	39184959	C	T	<i>CSRNP1</i>
3	39225585	C	T	<i>XIRP1</i>
3	39225752	C	G	<i>XIRP1</i>
3	39226114	G	A	<i>XIRP1</i>
3	39226127	C	T	<i>XIRP1</i>
3	39227174	G	A	<i>XIRP1</i>
3	39228772	G	A	<i>XIRP1</i>
3	39228899	C	T	<i>XIRP1</i>
3	39229118	C	A	<i>XIRP1</i>
3	39229196	G	T	<i>XIRP1</i>
3	39229781	C	T	<i>XIRP1</i>
3	39230607	C	G	<i>XIRP1</i>
3	39307162	G	A	<i>CX3CR1</i>
3	39307637	C	T	<i>CX3CR1</i>
3	39307927	T	C	<i>CX3CR1</i>
3	39307962	C	A	<i>CX3CR1</i>
3	39373902	C	G	<i>CCR8</i>
3	39374151	C	T	<i>CCR8</i>
3	39425226	A	G	<i>SLC25A38</i>
3	39431961	C	G	<i>SLC25A38</i>
3	40085653	G	A	<i>MYRIP</i>
3	40223771	G	A	<i>MYRIP</i>
3	40223806	C	A	<i>MYRIP</i>
3	40223808	C	T	<i>MYRIP</i>
3	40231383	C	T	<i>MYRIP</i>
3	40231688	G	A	<i>MYRIP</i>
3	40275461	C	T	<i>MYRIP</i>
3	40442421	A	G	<i>ENTPD3</i>
3	40457421	G	A	<i>ENTPD3</i>
3	40457524	G	A	<i>ENTPD3</i>
3	40468896	C	T	<i>ENTPD3</i>
3	40523409	T	G	<i>ZNF619</i>
3	40523832	T	C	<i>ZNF619</i>
3	40528816	A	G	<i>ZNF619</i>
3	40557443	C	A	<i>ZNF620</i>
3	41267276	A	G	<i>CTNNB1</i>

3	41288466	G	A	ULK4
3	41723090	C	T	ULK4
3	41756779	G	A	ULK4
3	41756965	C	T	ULK4
3	41756986	A	T	ULK4
3	41759288	T	C	ULK4
3	41831203	C	T	ULK4
3	41831290	C	T	ULK4
3	41841716	A	C	ULK4
3	41860955	A	G	ULK4
3	41877410	T	G	ULK4
3	41877414	T	C	ULK4
3	41925398	C	T	ULK4
3	41949348	G	A	ULK4
3	41952852	T	C	ULK4
3	41960006	T	C	ULK4
3	41973460	G	C	ULK4
3	41996136	T	C	ULK4
3	42234663	C	T	TRAK1
3	42244049	G	A	TRAK1
3	42251498	G	C	TRAK1
3	42264715	C	G	TRAK1
3	42448455	G	A	LYZL4
3	42448647	C	T	LYZL4
3	42555323	C	A	VIPR1
3	42599171	C	T	SEC22C
3	42610411	C	T	SEC22C
3	42674218	C	T	NKTR
3	42679486	A	G	NKTR
3	42679777	T	G	NKTR
3	42680741	T	C	NKTR
3	42681053	G	A	NKTR
3	42681201	T	G	NKTR
3	42701205	A	C	ZBTB47
3	42703029	A	G	ZBTB47
3	42728144	A	G	KLHL40
3	42729754	G	A	KLHL40
3	42733468	T	C	KLHL40
3	42734587	G	C	HHATL
3	42735150	T	C	HHATL
3	42739695	T	C	HHATL
3	42740576	G	A	HHATL
3	42742237	G	A	HHATL

3	42772038	A	T	CCDC13
3	42788823	C	A	CCDC13
3	42799674	T	C	CCDC13
3	42799765	G	A	CCDC13
3	42906116	T	C	ACKR2
3	42907112	A	C	ACKR2
3	42907112	A	T	ACKR2
3	42916105	C	T	CYP8B1
3	42955840	AAG	-	ZNF662
3	42955899	T	G	ZNF662
3	42955915	G	C	ZNF662
3	42956733	T	-	ZNF662
3	42956790	C	T	ZNF662
3	43073796	G	A	FAM198A
3	43074434	C	T	FAM198A
3	43074492	C	T	FAM198A
3	43095101	A	G	FAM198A
3	43095112	G	A	FAM198A
3	43097765	G	A	FAM198A
3	43388922	C	T	SNRK
3	43389858	G	A	SNRK
3	43474174	C	T	ANO10
3	43591327	G	A	ANO10
3	43602803	C	T	ANO10
3	43618280	T	C	ANO10
3	43618366	T	C	ANO10
3	43743914	G	T	ABHD5
3	44283808	C	A	TOPAZ1
3	44284584	G	A	TOPAZ1
3	44286015	C	G	TOPAZ1
3	44286256	C	T	TOPAZ1
3	44286631	A	G	TOPAZ1
3	44369849	A	G	TOPAZ1
3	44434424	G	A	TCAIM
3	44488293	T	C	ZNF445
3	44488656	C	A	ZNF445
3	44489880	T	C	ZNF445
3	44489894	C	A	ZNF445
3	44492449	G	A	ZNF445
3	44607013	T	C	ZKSCAN7
3	44612050	C	T	ZKSCAN7
3	44636279	AT	-	ZNF660
3	44683454	G	C	ZNF197

3	44700420	A	G	ZNF35
3	44762392	T	C	ZNF502
3	44762859	A	G	ZNF502
3	44763766	C	G	ZNF502
3	44763822	C	T	ZNF502
3	44775962	A	G	ZNF501
3	44776091	C	T	ZNF501
3	44826358	T	C	KIF15
3	44843459	G	T	KIF15
3	44852353	A	G	KIF15
3	44856506	G	C	KIF15
3	44869731	A	G	KIF15
3	44871505	A	T	KIF15
3	44879770	G	C	KIF15
3	44879843	C	T	KIF15
3	44884647	C	A	KIF15
3	44905782	A	G	TMEM42
3	44929287	G	C	TGM4
3	44935105	A	G	TGM4
3	44943088	T	C	TGM4
3	44943104	G	C	TGM4
3	44943164	G	A	TGM4
3	44943389	G	A	TGM4
3	44948491	A	G	TGM4
3	44948590	G	A	TGM4
3	44974433	A	C	ZDHHC3
3	44974434	T	C	ZDHHC3
3	45017782	A	G	EXOSC7
3	45077123	G	A	CLEC3B
3	45127515	T	C	CDCP1
3	45130609	G	A	CDCP1
3	45130613	C	T	CDCP1
3	45134822	T	C	CDCP1
3	45518073	C	A	LARS2
3	45537795	G	A	LARS2
3	45636961	C	T	LIMD1
3	45637765	A	G	LIMD1
3	45776753	A	G	SACM1L
3	45779136	A	T	SACM1L
3	45780326	T	G	SACM1L
3	45814094	G	A	SLC6A20
3	45821545	C	T	SLC6A20
3	45837886	G	C	SLC6A20

3	45869972	C	T	LZTFL1
3	45942554	A	G	CCR9
3	45965190	G	A	FYCO1
3	45972663	G	C	FYCO1
3	45987980	G	A	CXCR6
3	46007823	G	T	FYCO1
3	46007825	T	C	FYCO1
3	46007846	C	T	FYCO1
3	46008790	G	A	FYCO1
3	46008820	C	T	FYCO1
3	46008841	G	A	FYCO1
3	46008983	G	A	FYCO1
3	46009352	G	A	FYCO1
3	46009864	C	G	FYCO1
3	46009957	C	T	FYCO1
3	46009982	G	A	FYCO1
3	46010077	C	T	FYCO1
3	46062922	G	A	XCR1
3	46244849	C	T	CCR1
3	46245329	G	A	CCR1
3	46306765	C	T	CCR3
3	46307313	A	G	CCR3
3	46307473	G	A	CCR3
3	46399208	G	A	CCR2
3	46414557	T	A	CCR5
3	46414573	G	T	CCR5
3	46414580	A	T	CCR5
3	46414611	C	T	CCR5
3	46414696	T	A	CCR5
3	46414944	ACAGTCAGTAT -		CCR5
3	46415061	G	A	CCR5
3	46449863	G	A	CCRL2
3	46450297	A	G	CCRL2
3	46480854	G	A	LTF
3	46480958	C	G	LTF
3	46485035	G	A	LTF
3	46487937	C	T	LTF
3	46501213	T	C	LTF
3	46501253	C	T	LTF
3	46580591	G	T	LRRC2
3	46586622	T	C	LRRC2
3	46592987	A	G	LRRC2
3	46593062	A	G	LRRC2

3	46620614	T	C	TDGF1
3	46712490	G	A	ALS2CL
3	46717175	C	T	ALS2CL
3	46719860	T	C	ALS2CL
3	46729697	C	A	ALS2CL
3	46755917	G	A	PRSS50
3	46759010	T	G	PRSS50
3	46759229	AGC	-	PRSS50
3	46759231	-	AGC	PRSS50
3	46783959	T	C	PRSS45
3	46784467	G	A	PRSS45
3	46939587	C	T	PTH1R
3	46945000	G	A	PTH1R
3	47030865	G	A	NBEAL2
3	47036565	G	A	NBEAL2
3	47036756	C	G	NBEAL2
3	47040323	C	T	NBEAL2
3	47043575	GCAGCTGCA	-	NBEAL2
3	47043648	G	A	NBEAL2
3	47045708	C	T	NBEAL2
3	47045846	C	T	NBEAL2
3	47046519	G	A	NBEAL2
3	47047500	G	A	NBEAL2
3	47049615	G	A	NBEAL2
3	47125385	G	A	SETD2
3	47162704	G	A	SETD2
3	47163029	T	C	SETD2
3	47277065	C	A	KIF9
3	47286320	T	C	KIF9
3	47308746	G	A	KIF9
3	47447473	C	A	PTPN23
3	47448214	G	A	PTPN23
3	47452154	CAGCCCCATCC	-	PTPN23
3	47452311	G	T	PTPN23
3	47452833	G	A	PTPN23
3	47454023	A	G	PTPN23
3	47454419	T	C	PTPN23
3	47458897	C	A	SCAP
3	47459679	C	T	SCAP
3	47467597	C	T	SCAP
3	47467612	G	A	SCAP
3	47545919	G	A	ELP6
3	47717058	C	T	SMARCC1

3	47777559	C	T	SMARCC1
3	47894380	C	T	MAP4
3	47908815	G	A	MAP4
3	47908822	T	C	MAP4
3	47957741	T	C	MAP4
3	47957996	C	G	MAP4
3	47958037	G	T	MAP4
3	48040283	C	T	MAP4
3	48224457	T	C	CDC25A
3	48266835	A	G	CAMP
3	48282695	A	G	ZNF589
3	48309828	C	G	ZNF589
3	48414274	C	T	FBXW12
3	48419897	C	T	FBXW12
3	48419898	G	A	FBXW12
3	48419957	A	G	FBXW12
3	48461530	G	A	PLXNB1
3	48465206	C	T	PLXNB1
3	48465366	C	T	PLXNB1
3	48476261	T	C	CCDC51
3	48476297	G	C	CCDC51
3	48506279	G	A	ATRIP
3	48506305	G	A	ATRIP
3	48506389	A	T	ATRIP
3	48508851	A	G	TREX1
3	48603736	G	A	COL7A1
3	48619925	G	A	COL7A1
3	48621017	G	A	COL7A1
3	48623124	G	A	COL7A1
3	48624040	C	T	COL7A1
3	48626213	T	C	COL7A1
3	48627789	C	A	COL7A1
3	48628014	G	A	COL7A1
3	48630056	A	G	COL7A1
3	48630252	G	A	COL7A1
3	48638440	C	T	UQCRC1
3	48638472	T	C	UQCRC1
3	48638801	C	T	UQCRC1
3	48659009	G	T	TMEM89
3	48664473	C	T	SLC26A6
3	48668685	C	T	SLC26A6
3	48669447	C	T	SLC26A6
3	48670963	CTC	-	SLC26A6

3	48677191	G	A	<i>CELSR3</i>
3	48679352	G	A	<i>CELSR3</i>
3	48680431	G	A	<i>CELSR3</i>
3	48680470	C	T	<i>CELSR3</i>
3	48682550	C	T	<i>CELSR3</i>
3	48691153	C	G	<i>CELSR3</i>
3	48691316	T	C	<i>CELSR3</i>
3	48696595	C	A	<i>CELSR3</i>
3	48712174	T	C	<i>NCKIPSD</i>
3	48716065	G	A	<i>NCKIPSD</i>
3	48716088	G	T	<i>NCKIPSD</i>
3	48732480	T	C	<i>IP6K2</i>
3	48802465	T	C	<i>PRKAR2A</i>
3	48956257	A	G	<i>ARIH2OS</i>
3	48965078	A	C	<i>ARIH2</i>
3	49039982	G	A	<i>P4HTM</i>
3	49039984	A	G	<i>P4HTM</i>
3	49050501	C	T	<i>WDR6</i>
3	49050918	G	A	<i>WDR6</i>
3	49054692	T	C	<i>DALRD3</i>
3	49137043	C	T	<i>QARS</i>
3	49138810	T	C	<i>QARS</i>
3	49142142	G	T	<i>QARS</i>
3	49152707	G	A	<i>USP19</i>
3	49156473	C	G	<i>USP19</i>
3	49158763	C	T	<i>LAMB2</i>
3	49160671	T	C	<i>LAMB2</i>
3	49162583	C	T	<i>LAMB2</i>
3	49167371	C	T	<i>LAMB2</i>
3	49170064	G	C	<i>LAMB2</i>
3	49200627	A	G	<i>CCDC71</i>
3	49200692	T	A	<i>CCDC71</i>
3	49274027	A	G	<i>CCDC36</i>
3	49293819	T	G	<i>CCDC36</i>
3	49294250	C	A	<i>CCDC36</i>
3	49308804	C	T	<i>C3orf62</i>
3	49313978	C	T	<i>C3orf62</i>
3	49314110	T	C	<i>C3orf62</i>
3	49321424	T	C	<i>USP4</i>
3	49335360	T	C	<i>USP4</i>
3	49339833	T	C	<i>USP4</i>
3	49456758	C	T	<i>AMT</i>
3	49548225	G	C	<i>DAG1</i>

3	49548226	A	G	DAG1
3	49568543	C	G	DAG1
3	49568966	C	T	DAG1
3	49662566	C	T	BSN
3	49680130	G	A	BSN
3	49689210	G	A	BSN
3	49689642	C	T	BSN
3	49690627	G	A	BSN
3	49698115	G	A	BSN
3	49698910	C	A	BSN
3	49699168	A	G	BSN
3	49699197	A	G	BSN
3	49701298	G	A	BSN
3	49701910	C	T	BSN
3	49728870	A	G	RNF123
3	49737954	G	A	RNF123
3	49738973	C	T	RNF123
3	49740895	A	G	RNF123
3	49749976	G	A	RNF123
3	49751230	C	T	RNF123
3	49755481	G	A	AMIGO3
3	49760039	T	C	GMPPB
3	49760431	G	C	GMPPB
3	49828873	C	T	CDHR4
3	49831032	A	G	CDHR4
3	49832638	G	A	CDHR4
3	49845252	G	A	UBA7
3	49846411	-	T	UBA7
3	49846412	A	C	UBA7
3	49847737	C	T	UBA7
3	49847804	C	T	UBA7
3	49866894	C	A	TRAIP
3	49869382	C	A	TRAIP
3	49924789	C	A	MST1R
3	49924940	T	C	MST1R
3	49928691	T	C	MST1R
3	49929221	G	A	MST1R
3	49934174	T	G	MST1R
3	49935526	T	G	MST1R
3	49936102	T	C	MST1R
3	49936626	G	A	MST1R
3	49940078	C	T	MST1R
3	49947766	T	C	MON1A

3	50005855	G	A	<i>RBM6</i>
3	50005916	C	T	<i>RBM6</i>
3	50097113	A	G	<i>RBM6</i>
3	50144273	T	C	<i>RBM5</i>
3	50214207	A	G	<i>SEMA3F</i>
3	50222926	T	A	<i>SEMA3F</i>
3	50251833	-	G	<i>SLC38A3</i>
3	50326254	G	A	<i>IFRD2</i>
3	50326292	C	T	<i>IFRD2</i>
3	50326729	C	T	<i>IFRD2</i>
3	50326780	C	T	<i>IFRD2</i>
3	50327010	T	C	<i>IFRD2</i>
3	50328060	C	A	<i>IFRD2</i>
3	50330890	G	C	<i>HYAL3</i>
3	50332501	C	T	<i>HYAL3</i>
3	50332697	G	A	<i>HYAL3</i>
3	50337932	C	G	<i>HYAL1</i>
3	50339622	C	T	<i>HYAL1</i>
3	50355730	T	G	<i>HYAL2</i>
3	50368871	C	T	<i>RASSF1</i>
3	50369546	C	A	<i>RASSF1</i>
3	50379257	G	A	<i>ZMYND10</i>
3	50379343	C	T	<i>ZMYND10</i>
3	50381254	C	T	<i>ZMYND10</i>
3	50402127	T	G	<i>CACNA2D2</i>
3	50402131	G	A	<i>CACNA2D2</i>
3	50402159	G	A	<i>CACNA2D2</i>
3	50402890	G	A	<i>CACNA2D2</i>
3	50608659	A	G	<i>HEMK1</i>
3	50655190	G	T	<i>MAPKAPK3</i>
3	51251601	G	A	<i>DOCK3</i>
3	51266985	G	A	<i>DOCK3</i>
3	51312518	C	T	<i>DOCK3</i>
3	51399303	A	T	<i>DOCK3</i>
3	51411945	TGT	-	<i>DOCK3</i>
3	51746781	C	T	<i>GRM2</i>
3	51746981	A	G	<i>GRM2</i>
3	51812952	C	T	<i>IQCF6</i>
3	51812953	G	A	<i>IQCF6</i>
3	51863712	G	T	<i>IQCF3</i>
3	51908182	T	C	<i>IQCF5</i>
3	51929183	C	T	<i>IQCF1</i>
3	51930850	T	C	<i>IQCF1</i>

3	51969657	G	A	<i>RRP9</i>
3	51970296	T	G	<i>RRP9</i>
3	51971298	G	A	<i>RRP9</i>
3	51978220	A	G	<i>PARP3</i>
3	51978511	C	T	<i>PARP3</i>
3	51990605	G	C	<i>GPR62</i>
3	51990606	T	C	<i>GPR62</i>
3	51992175	A	C	<i>PCBP4</i>
3	51994306	T	A	<i>PCBP4</i>
3	52004097	-	G	<i>ABHD14B</i>
3	52005665	G	A	<i>ABHD14B</i>
3	52011912	G	A	<i>ABHD14A</i>
3	52012320	G	A	<i>ABHD14A</i>
3	52014486	G	A	<i>ABHD14A</i>
3	52022837	C	T	<i>ACY1</i>
3	52023042	G	A	<i>ACY1</i>
3	52179931	C	T	<i>POC1A</i>
3	52179955	G	A	<i>POC1A</i>
3	52233295	G	A	<i>ALAS1</i>
3	52283774	G	A	<i>PPM1M</i>
3	52283798	C	T	<i>PPM1M</i>
3	52366296	A	G	<i>DNAH1</i>
3	52366368	A	G	<i>DNAH1</i>
3	52378540	G	C	<i>DNAH1</i>
3	52378570	A	G	<i>DNAH1</i>
3	52380743	G	A	<i>DNAH1</i>
3	52381865	A	G	<i>DNAH1</i>
3	52384594	A	G	<i>DNAH1</i>
3	52385992	A	G	<i>DNAH1</i>
3	52390789	C	T	<i>DNAH1</i>
3	52394055	G	A	<i>DNAH1</i>
3	52398913	A	G	<i>DNAH1</i>
3	52400807	G	T	<i>DNAH1</i>
3	52400878	G	A	<i>DNAH1</i>
3	52404178	A	G	<i>DNAH1</i>
3	52406252	A	G	<i>DNAH1</i>
3	52410004	G	A	<i>DNAH1</i>
3	52417991	G	A	<i>DNAH1</i>
3	52422605	C	T	<i>DNAH1</i>
3	52424975	C	G	<i>DNAH1</i>
3	52426643	G	A	<i>DNAH1</i>
3	52427005	A	G	<i>DNAH1</i>
3	52429002	G	A	<i>DNAH1</i>

3	52429022	G	A	DNAH1
3	52430526	G	A	DNAH1
3	52457310	A	C	PHF7
3	52469941	G	T	SEMA3G
3	52476768	G	A	SEMA3G
3	52476899	G	A	SEMA3G
3	52505935	A	G	NISCH
3	52506388	A	G	NISCH
3	52519795	C	T	NISCH
3	52521865	A	G	NISCH
3	52535766	C	T	STAB1
3	52544470	A	G	STAB1
3	52545733	G	A	STAB1
3	52546624	A	G	STAB1
3	52546872	G	A	STAB1
3	52547252	A	G	STAB1
3	52548194	C	T	STAB1
3	52550120	G	A	STAB1
3	52550173	G	A	STAB1
3	52551566	G	C	STAB1
3	52551981	G	A	STAB1
3	52554304	G	C	STAB1
3	52554531	G	A	STAB1
3	52556127	A	G	STAB1
3	52556184	C	G	STAB1
3	52556890	A	G	STAB1
3	52558008	T	C	STAB1
3	52563199	A	T	NT5DC2
3	52570892	A	G	SMIM4
3	52721305	G	A	GNL3
3	52727257	G	A	GNL3
3	52727675	G	C	GNL3
3	52740182	C	G	SPCS1
3	52777417	TCT	-	NEK4
3	52821210	C	T	ITIH1
3	52825833	A	G	ITIH1
3	52833805	C	A	ITIH3
3	52833881	C	T	ITIH3
3	52834608	G	A	ITIH3
3	52837989	G	A	ITIH3
3	52840342	C	T	ITIH3
3	52841772	G	A	ITIH3
3	52848037	C	T	ITIH4

3	52852131	G	A	<i>ITIH4</i>
3	52852538	G	T	<i>ITIH4</i>
3	52857940	C	T	<i>ITIH4</i>
3	52861211	A	T	<i>ITIH4</i>
3	52864631	A	C	<i>ITIH4</i>
3	52867715	G	C	<i>MUSTN1</i>
3	53164412	C	T	<i>RFT1</i>
3	53220000	A	G	<i>PRKCD</i>
3	53263383	A	G	<i>TKT</i>
3	53267183	C	T	<i>TKT</i>
3	53269028	G	T	<i>TKT</i>
3	53269087	T	C	<i>TKT</i>
3	53326488	G	T	<i>DCP1A</i>
3	53326592	G	C	<i>DCP1A</i>
3	53769508	G	A	<i>CACNA1D</i>
3	53804021	C	T	<i>CACNA1D</i>
3	53834369	G	A	<i>CACNA1D</i>
3	53835340	G	C	<i>CACNA1D</i>
3	53853009	T	C	<i>CHDH</i>
3	53857803	A	C	<i>CHDH</i>
3	53889368	G	A	<i>IL17RB</i>
3	53908348	A	C	<i>ACTR8</i>
3	53914093	G	A	<i>ACTR8</i>
3	54925426	C	T	<i>CACNA2D3</i>
3	54933872	A	G	<i>CACNA2D3</i>
3	54952510	CT	-	<i>LRTM1</i>
3	54958763	G	A	<i>LRTM1</i>
3	54958975	C	G	<i>LRTM1</i>
3	55043415	G	T	<i>CACNA2D3</i>
3	55043440	A	G	<i>CACNA2D3</i>
3	55922561	T	G	<i>ERC2</i>
3	56114861	T	C	<i>ERC2</i>
3	56330063	T	A	<i>ERC2</i>
3	56330401	G	T	<i>ERC2</i>
3	56592936	-	TGGTAT	<i>CCDC66</i>
3	56601067	G	A	<i>CCDC66</i>
3	56627598	A	G	<i>CCDC66</i>
3	56628031	G	A	<i>CCDC66</i>
3	56628033	C	T	<i>CCDC66</i>
3	56649256	C	T	<i>CCDC66</i>
3	56650012	G	A	<i>CCDC66</i>
3	56650012	G	C	<i>CCDC66</i>
3	56650051	-	CTT	<i>CCDC66</i>

3	56650054	-	CTC	CCDC66
3	56651323	G	A	CCDC66
3	56651613	-	G	CCDC66
3	56653427	T	C	CCDC66
3	56655621	A	G	CCDC66
3	56655621	-	AGAG	CCDC66
3	56658871	T	C	FAM208A
3	56667682	G	C	FAM208A
3	56667896	G	T	FAM208A
3	56675504	G	C	FAM208A
3	56680925	A	T	FAM208A
3	56702553	C	T	FAM208A
3	56707653	G	C	FAM208A
3	56763584	T	C	ARHGEF3
3	56809056	G	A	ARHGEF3
3	57108101	C	T	SPATA12
3	57131722	G	A	IL17RD
3	57131807	C	G	IL17RD
3	57132035	G	A	IL17RD
3	57136585	C	T	IL17RD
3	57138419	G	A	IL17RD
3	57232493	C	T	HESX1
3	57302458	AGAG	-	APPL1
3	57303603	C	G	APPL1
3	57303684	A	G	APPL1
3	57493410	T	A	DNAH12
3	57494263	G	T	DNAH12
3	57494915	G	T	DNAH12
3	57528503	A	G	DNAH12
3	57542173	C	T	PDE12
3	57542407	A	G	PDE12
3	57542538	C	A	PDE12
3	57631400	C	T	DENND6A
3	57902766	A	T	SLMAP
3	58080583	A	G	FLNB
3	58089761	C	T	FLNB
3	58095866	G	A	FLNB
3	58109162	G	A	FLNB
3	58110119	G	C	FLNB
3	58118555	G	A	FLNB
3	58134505	A	G	FLNB
3	58145348	T	C	FLNB
3	58154328	G	A	FLNB

3	58183636	G	A	<i>DNASE1L3</i>
3	58191230	G	T	<i>DNASE1L3</i>
3	58191274	C	G	<i>DNASE1L3</i>
3	58302249	C	T	<i>RPP14</i>
3	58355183	A	C	<i>PXK</i>
3	58395842	A	T	<i>PXK</i>
3	58395863	A	G	<i>PXK</i>
3	58410554	C	T	<i>PXK</i>
3	58519732	TCTG	-	<i>ACOX2</i>
3	58552329	C	G	<i>FAM107A</i>
3	58552997	C	A	<i>FAM107A</i>
3	58625875	C	A	<i>FAM3D</i>
3	58639410	G	A	<i>FAM3D</i>
3	58639418	C	T	<i>FAM3D</i>
3	58849343	C	T	<i>C3orf67</i>
3	58852298	G	C	<i>C3orf67</i>
3	58870321	C	T	<i>C3orf67</i>
3	61975382	T	C	<i>PTPRG</i>
3	62118283	C	T	<i>PTPRG</i>
3	62189076	C	T	<i>PTPRG</i>
3	62189189	G	A	<i>PTPRG</i>
3	62307648	T	A	<i>C3orf14</i>
3	62317005	A	G	<i>C3orf14</i>
3	62319048	A	G	<i>C3orf14</i>
3	62467521	T	A	<i>CADPS</i>
3	62503834	T	C	<i>CADPS</i>
3	63264392	C	T	<i>SYNPR</i>
3	63645410	A	G	<i>SNTN</i>
3	63898485	T	G	<i>ATXN7</i>
3	63967900	A	G	<i>ATXN7</i>
3	63968025	A	T	<i>ATXN7</i>
3	63968083	A	G	<i>ATXN7</i>
3	63982082	G	A	<i>ATXN7</i>
3	63985157	C	A	<i>ATXN7</i>
3	63996606	C	T	<i>PSMD6</i>
3	64142981	C	T	<i>PRICKLE2</i>
3	64526863	C	T	<i>ADAMTS9</i>
3	64527520	A	G	<i>ADAMTS9</i>
3	65342257	CCTGCGCTCG(-		<i>MAGI1</i>
3	65342433	A	C	<i>MAGI1</i>
3	65376943	T	G	<i>MAGI1</i>
3	65464335	T	C	<i>MAGI1</i>
3	66419956	C	T	<i>SLC25A26</i>

3	66430811	T	G	LRIG1
3	66430819	C	-	LRIG1
3	66430819	CG	-	LRIG1
3	66430877	G	C	LRIG1
3	66431055	C	T	LRIG1
3	66431144	T	A	LRIG1
3	66431187	C	T	LRIG1
3	66433735	G	A	LRIG1
3	66434643	T	C	LRIG1
3	66457776	C	T	LRIG1
3	66467601	G	C	LRIG1
3	66512866	C	T	LRIG1
3	67053926	T	C	KBTBD8
3	67054649	T	C	KBTBD8
3	67058769	T	C	KBTBD8
3	67426281	T	C	SUCLG2
3	69026778	A	C	EOGT
3	69031963	T	C	EOGT
3	69082708	C	G	TMF1
3	69087804	G	A	TMF1
3	69096928	A	T	TMF1
3	69153645	G	A	ARL6IP5
3	69167851	G	T	LMOD3
3	69167987	C	T	LMOD3
3	69168316	T	C	LMOD3
3	69168628	C	T	LMOD3
3	69171290	C	T	LMOD3
3	69171497	AGA	-	LMOD3
3	69230061	G	A	FRMD4B
3	69230224	C	A	FRMD4B
3	69230592	T	G	FRMD4B
3	69230733	-	TGC	FRMD4B
3	69239047	G	T	FRMD4B
3	69242891	G	C	FRMD4B
3	69245454	T	C	FRMD4B
3	69299233	C	G	FRMD4B
3	70014091	G	A	MITF
3	71019900	T	C	FOXP1
3	72799481	C	T	SHQ1
3	72799703	C	T	SHQ1
3	72866432	ATCA	-	SHQ1
3	72881596	C	A	SHQ1
3	72891547	A	C	SHQ1

3	72897459	A	C	SHQ1
3	72957598	A	G	GXYLT2
3	73111368	T	C	EBLN2
3	73111401	C	G	EBLN2
3	73111481	-	A	EBLN2
3	73111503	-	TGG	EBLN2
3	73111724	T	G	EBLN2
3	73111998	C	T	EBLN2
3	73114209	C	G	PPP4R2
3	73433369	G	A	PDZRN3
3	73433730	C	T	PDZRN3
3	73450146	T	C	PDZRN3
3	73657832	C	T	PDZRN3
3	74313584	C	T	CNTN3
3	74315765	T	G	CNTN3
3	74334458	G	A	CNTN3
3	74334560	C	T	CNTN3
3	74349062	T	C	CNTN3
3	74350618	C	G	CNTN3
3	74419065	T	C	CNTN3
3	77614215	T	C	ROBO2
3	78656062	G	A	ROBO1
3	78663873	C	A	ROBO1
3	78680374	G	A	ROBO1
3	78680431	-	CCC	ROBO1
3	78685024	C	T	ROBO1
3	81548296	C	T	GBE1
3	81627175	T	C	GBE1
3	81627202	C	T	GBE1
3	81640290	A	C	GBE1
3	81643167	T	C	GBE1
3	81692085	C	T	GBE1
3	81698130	T	C	GBE1
3	81754732	A	G	GBE1
3	87017998	T	G	VGLL3
3	87018099	T	A	VGLL3
3	87313507	T	C	POU1F1
3	88040035	G	A	HTR1F
3	88190049	G	A	ZNF654
3	88205681	A	C	C3orf38
3	89259374	C	T	EPHA3
3	89259477	G	T	EPHA3
3	89521664	G	A	EPHA3

3	89521693	T	C	<i>EPHA3</i>
3	93595918	T	C	<i>PROS1</i>
3	93734044	A	C	<i>STX19</i>
3	93768268	C	G	<i>ARL13B</i>
3	93769677	G	A	<i>ARL13B</i>
3	93769712	C	G	<i>ARL13B</i>
3	93845062	A	G	<i>NSUN3</i>
3	96706208	G	C	<i>EPHA6</i>
3	97311483	C	T	<i>EPHA6</i>
3	97467457	T	A	<i>EPHA6</i>
3	97596373	A	C	<i>CRYBG3</i>
3	97596514	A	G	<i>CRYBG3</i>
3	97634465	A	G	<i>CRYBG3</i>
3	97660106	A	C	<i>CRYBG3</i>
3	97669710	C	T	<i>MINA</i>
3	97677897	T	G	<i>MINA</i>
3	97677974	G	A	<i>MINA</i>
3	97806080	C	T	<i>OR5AC2</i>
3	97806175	C	A	<i>OR5AC2</i>
3	97806299	T	-	<i>OR5AC2</i>
3	97806305	G	C	<i>OR5AC2</i>
3	97806451	G	T	<i>OR5AC2</i>
3	97806616	G	A	<i>OR5AC2</i>
3	97806700	-	A	<i>OR5AC2</i>
3	97868795	A	G	<i>OR5H14</i>
3	97888141	T	C	<i>OR5H15</i>
3	97888177	G	A	<i>OR5H15</i>
3	98001858	A	G	<i>OR5H2</i>
3	98002417	C	T	<i>OR5H2</i>
3	98002419	A	G	<i>OR5H2</i>
3	98002527	C	T	<i>OR5H2</i>
3	98002587	A	G	<i>OR5H2</i>
3	98072962	G	A	<i>OR5K4</i>
3	98073313	A	G	<i>OR5K4</i>
3	98217178	T	A	<i>OR5K2</i>
3	98217368	G	C	<i>OR5K2</i>
3	98235681	A	G	<i>CLDND1</i>
3	98250986	C	T	<i>GPR15</i>
3	98251038	T	G	<i>GPR15</i>
3	98304403	G	A	<i>CPOX</i>
3	98307630	C	T	<i>CPOX</i>
3	98503792	A	G	<i>ST3GAL6</i>
3	98512540	G	A	<i>ST3GAL6</i>

3	98518377	C	T	DCBLD2
3	98518530	T	C	DCBLD2
3	98530317	G	T	DCBLD2
3	98530329	G	A	DCBLD2
3	98538066	T	C	DCBLD2
3	99514789	A	G	COL8A1
3	99567661	GGA	-	FILIP1L
3	99568791	T	G	FILIP1L
3	99569321	T	C	FILIP1L
3	99643176	C	T	FILIP1L
3	99885200	A	G	CMSS1
3	99885236	A	G	CMSS1
3	99886662	G	A	CMSS1
3	99998531	G	C	TBC1D23
3	100016789	G	C	TBC1D23
3	100093896	G	A	TOMM70A
3	100352109	C	T	ADGRG7
3	100354524	A	G	ADGRG7
3	100364914	G	A	ADGRG7
3	100365491	G	A	ADGRG7
3	100368546	A	G	ADGRG7
3	100494075	C	G	ABI3BP
3	100494090	T	C	ABI3BP
3	100527069	C	G	ABI3BP
3	100585792	C	T	ABI3BP
3	100593719	C	T	ABI3BP
3	100604389	G	C	ABI3BP
3	100712249	T	C	ABI3BP
3	100951820	G	A	IMPG2
3	100963154	G	A	IMPG2
3	101066717	T	A	SEN7
3	101177848	T	G	SEN7
3	101283792	C	G	TRMT10C
3	101384086	T	A	ZBTB11
3	101384382	G	T	ZBTB11
3	101476645	C	T	CEP97
3	101477221	C	T	CEP97
3	101540387	T	G	NXPE3
3	101574282	T	C	NFKBIZ
3	101576029	-	ACTTTTAGAAA	NFKBIZ
3	102157365	A	T	ZPLD1
3	102157417	A	G	ZPLD1
3	102181131	A	G	ZPLD1

3	105258861	A	G	ALCAM
3	105260520	C	T	ALCAM
3	105264155	G	T	ALCAM
3	105264176	G	T	ALCAM
3	105404299	G	A	CBLB
3	107096547	G	A	CCDC54
3	107096877	C	T	CCDC54
3	107097072	T	C	CCDC54
3	107435532	C	T	BBX
3	107435587	G	A	BBX
3	107466840	C	T	BBX
3	107491759	AGA	-	BBX
3	107508707	C	T	BBX
3	107517460	C	T	BBX
3	107881382	T	C	IFT57
3	108072298	T	C	HHLA2
3	108072387	G	A	HHLA2
3	108076875	G	A	HHLA2
3	108081217	C	A	HHLA2
3	108081277	C	A	HHLA2
3	108112954	C	T	MYH15
3	108147680	G	A	MYH15
3	108147728	T	C	MYH15
3	108159977	G	A	MYH15
3	108174612	G	C	MYH15
3	108188993	G	A	MYH15
3	108189627	C	T	MYH15
3	108273272	T	C	KIAA1524
3	108276243	T	G	KIAA1524
3	108288265	C	T	KIAA1524
3	108288408	T	C	KIAA1524
3	108295135	G	T	KIAA1524
3	108298260	C	T	KIAA1524
3	108303989	C	A	KIAA1524
3	108351915	A	G	DZIP3
3	108373063	T	C	DZIP3
3	108475974	G	A	RETNLB
3	108475993	-	GGGGATTA	RETNLB
3	108549622	G	A	TRAT1
3	108634973	C	A	GUCA1C
3	108639384	T	C	GUCA1C
3	108672558	C	A	GUCA1C
3	108677910	C	T	MORC1

3	108690221	G	A	MORC1
3	108703587	C	T	MORC1
3	108719436	C	G	MORC1
3	108723983	C	T	MORC1
3	108754214	T	C	MORC1
3	108754222	C	A	MORC1
3	108754238	A	T	MORC1
3	108780836	T	A	MORC1
3	109027068	C	A	DPPA2
3	109056363	A	G	DPPA4
3	110841054	A	C	PVRL3
3	111264012	G	A	CD96
3	111286403	T	C	CD96
3	111603967	CCTGTG	-	PHLDB2
3	111603968	C	-	PHLDB2
3	111603969	T	-	PHLDB2
3	111603969	T	C	PHLDB2
3	111659480	G	A	PHLDB2
3	111672825	C	T	PHLDB2
3	111710398	A	G	ABHD10
3	111710480	A	T	ABHD10
3	111760812	G	C	TMPRSS7
3	111766612	G	A	TMPRSS7
3	111775885	C	T	TMPRSS7
3	111775906	T	C	TMPRSS7
3	111799845	A	T	TMPRSS7
3	111799867	G	A	TMPRSS7
3	111805255	A	G	C3orf52
3	111812214	A	G	C3orf52
3	111821711	G	A	C3orf52
3	111821747	A	G	C3orf52
3	111828423	G	A	C3orf52
3	111831896	G	A	C3orf52
3	111887788	A	G	SLC9C1
3	111887792	C	A	SLC9C1
3	111888130	A	G	SLC9C1
3	111888137	A	T	SLC9C1
3	111901062	A	T	SLC9C1
3	111901099	T	C	SLC9C1
3	111918215	C	T	SLC9C1
3	111921116	C	A	SLC9C1
3	111921225	G	T	SLC9C1
3	111962851	T	C	SLC9C1

3	111981878	T	C	SLC9C1
3	111981924	T	C	SLC9C1
3	111985107	T	C	SLC9C1
3	111996554	T	C	SLC9C1
3	112059768	C	G	CD200
3	112063850	C	A	CD200
3	112063971	T	C	CD200
3	112185025	G	A	BTLA
3	112190137	G	T	BTLA
3	112253090	C	A	ATG3
3	112299710	A	G	SLC35A5
3	112324305	A	G	CCDC80
3	112545911	T	-	CD200R1L
3	112546306	C	A	CD200R1L
3	112642568	C	G	CD200R1
3	112647783	T	C	CD200R1
3	112647832	A	C	CD200R1
3	112693646	AAG	-	CD200R1
3	112693652	A	G	CD200R1
3	112710048	C	G	GTPBP8
3	112710133	T	A	GTPBP8
3	112713992	A	G	GTPBP8
3	112718352	G	T	GTPBP8
3	112724619	A	G	C3orf17
3	112724661	T	C	C3orf17
3	112727184	A	T	C3orf17
3	112727199	G	A	C3orf17
3	112727222	G	T	C3orf17
3	112729916	C	T	C3orf17
3	112729934	C	T	C3orf17
3	112732195	C	T	C3orf17
3	112736411	C	T	C3orf17
3	112991985	G	A	BOC
3	112993404	G	A	BOC
3	113002344	C	T	BOC
3	113003273	G	T	BOC
3	113085143	T	C	CFAP44
3	113098217	G	A	CFAP44
3	113119440	C	T	CFAP44
3	113122712	T	C	CFAP44
3	113122799	A	G	CFAP44
3	113146130	T	C	CFAP44
3	113152496	C	G	CFAP44

3	113165480	T	G	SPICE1
3	113172548	T	G	SPICE1
3	113187648	C	T	SPICE1
3	113187675	G	C	SPICE1
3	113212974	A	G	SPICE1
3	113285388	T	G	SIDT1
3	113320477	C	T	SIDT1
3	113327342	C	G	SIDT1
3	113329939	A	G	SIDT1
3	113373930	A	G	USF3
3	113374633	C	A	USF3
3	113377150	C	A	USF3
3	113673125	A	G	ZDHHC23
3	113697048	G	A	CCDC191
3	113720517	T	A	CCDC191
3	113724586	G	A	CCDC191
3	113729789	C	T	CCDC191
3	113729839	C	T	CCDC191
3	113737568	G	A	CCDC191
3	113753910	G	A	CCDC191
3	113753937	G	A	CCDC191
3	113765459	G	T	CCDC191
3	113775225	T	G	CCDC191
3	113798847	G	A	QTRTD1
3	113955164	T	G	ZNF80
3	113955187	A	C	ZNF80
3	113955320	C	T	ZNF80
3	113955753	C	T	ZNF80
3	114014427	A	G	TIGIT
3	114069675	G	C	ZBTB20
3	115382725	C	T	GAP43
3	118621500	C	T	IGSF11
3	118621664	C	A	IGSF11
3	118649060	G	T	IGSF11
3	118865127	GAA	-	C3orf30
3	118865623	G	A	C3orf30
3	118865970	G	A	C3orf30
3	118866133	G	A	C3orf30
3	118866376	C	T	C3orf30
3	118867047	C	G	C3orf30
3	118909159	A	G	UPK1B
3	118909892	A	G	UPK1B
3	118931401	C	A	B4GALT4

3	118945760	C	T	<i>B4GALT4</i>
3	118945796	G	C	<i>B4GALT4</i>
3	119102053	C	T	<i>ARHGAP31</i>
3	119109769	C	T	<i>ARHGAP31</i>
3	119132812	C	T	<i>ARHGAP31</i>
3	119133590	G	T	<i>ARHGAP31</i>
3	119150836	C	T	<i>TMEM39A</i>
3	119156748	T	C	<i>TMEM39A</i>
3	119204198	A	G	<i>POGLUT1</i>
3	119219573	A	G	<i>TIMMDC1</i>
3	119219579	T	C	<i>TIMMDC1</i>
3	119236104	G	A	<i>TIMMDC1</i>
3	119246670	C	T	<i>CD80</i>
3	119256020	G	A	<i>CD80</i>
3	119256056	T	C	<i>CD80</i>
3	119306449	G	A	<i>ADPRH</i>
3	119327670	G	A	<i>PLA1A</i>
3	119347611	C	A	<i>PLA1A</i>
3	119379186	C	T	<i>POPDC2</i>
3	119434527	G	C	<i>MAATS1</i>
3	119469919	A	C	<i>MAATS1</i>
3	119526176	C	T	<i>NR1I2</i>
3	119526203	G	A	<i>NR1I2</i>
3	119886055	G	A	<i>GPR156</i>
3	119886108	G	C	<i>GPR156</i>
3	119886502	C	A	<i>GPR156</i>
3	119886776	T	A	<i>GPR156</i>
3	120389316	T	A	<i>HGD</i>
3	120413055	C	T	<i>RABL3</i>
3	120469550	C	G	<i>GTF2E1</i>
3	120495353	C	T	<i>GTF2E1</i>
3	120500093	C	T	<i>GTF2E1</i>
3	120500099	C	T	<i>GTF2E1</i>
3	120952486	G	A	<i>STXBP5L</i>
3	120976051	C	G	<i>STXBP5L</i>
3	121100283	G	A	<i>STXBP5L</i>
3	121126425	G	T	<i>STXBP5L</i>
3	121134709	G	A	<i>STXBP5L</i>
3	121137240	C	T	<i>STXBP5L</i>
3	121151784	G	A	<i>POLQ</i>
3	121151812	G	C	<i>POLQ</i>
3	121154974	T	C	<i>POLQ</i>
3	121155122	C	T	<i>POLQ</i>

3	121186422	G	A	POLQ
3	121207510	AATAGTA	-	POLQ
3	121207637	G	T	POLQ
3	121208176	T	C	POLQ
3	121208704	TTT	-	POLQ
3	121228499	A	T	POLQ
3	121228960	G	A	POLQ
3	121251884	A	C	POLQ
3	121252048	T	G	POLQ
3	121263720	C	A	POLQ
3	121304933	G	A	ARGFX
3	121340536	T	C	FBXO40
3	121340550	G	A	FBXO40
3	121341826	G	A	FBXO40
3	121342057	C	G	FBXO40
3	121351257	C	T	HCLS1
3	121351315	-	GGCTCAGGCTC	HCLS1
3	121351338	C	T	HCLS1
3	121353254	T	C	HCLS1
3	121356062	C	T	HCLS1
3	121386377	T	A	GOLGB1
3	121388135	C	T	GOLGB1
3	121412702	G	A	GOLGB1
3	121413239	T	G	GOLGB1
3	121415370	T	C	GOLGB1
3	121415610	G	A	GOLGB1
3	121415714	C	G	GOLGB1
3	121415720	T	C	GOLGB1
3	121416473	T	C	GOLGB1
3	121416623	G	C	GOLGB1
3	121416813	G	A	GOLGB1
3	121435874	A	G	GOLGB1
3	121448088	G	T	GOLGB1
3	121491422	T	A	IQCB1
3	121500697	G	A	IQCB1
3	121500699	C	T	IQCB1
3	121507231	A	T	IQCB1
3	121605219	G	A	EAF2
3	121643804	C	T	SLC15A2
3	121647286	C	T	SLC15A2
3	121648168	G	A	SLC15A2
3	121712271	C	T	ILDR1
3	121712291	G	T	ILDR1

3	121712358	A	G	<i>ILDR1</i>
3	121825197	G	A	<i>CD86</i>
3	121828181	T	C	<i>CD86</i>
3	121980630	G	A	<i>CASR</i>
3	122000982	G	A	<i>CASR</i>
3	122003757	G	T	<i>CASR</i>
3	122003769	A	G	<i>CASR</i>
3	122003832	G	C	<i>CASR</i>
3	122060404	C	T	<i>CSTA</i>
3	122103120	G	A	<i>FAM162A</i>
3	122103141	C	T	<i>FAM162A</i>
3	122123211	G	A	<i>FAM162A</i>
3	122128637	C	T	<i>FAM162A</i>
3	122133530	C	T	<i>WDR5B</i>
3	122259606	T	C	<i>PARP9</i>
3	122259640	T	C	<i>PARP9</i>
3	122269544	C	T	<i>PARP9</i>
3	122277268	G	A	<i>PARP9</i>
3	122287775	C	T	<i>DTX3L</i>
3	122288210	G	A	<i>DTX3L</i>
3	122288314	A	G	<i>DTX3L</i>
3	122296638	G	A	<i>PARP15</i>
3	122296647	G	A	<i>PARP15</i>
3	122329380	C	T	<i>PARP15</i>
3	122331994	C	T	<i>PARP15</i>
3	122338637	G	A	<i>PARP15</i>
3	122354792	G	A	<i>PARP15</i>
3	122418750	G	A	<i>PARP14</i>
3	122419083	C	A	<i>PARP14</i>
3	122419292	A	G	<i>PARP14</i>
3	122422748	A	G	<i>PARP14</i>
3	122459290	-	AGA	<i>HSPBAP1</i>
3	122474121	G	C	<i>HSPBAP1</i>
3	122630346	T	C	<i>SEMA5B</i>
3	122630827	A	G	<i>SEMA5B</i>
3	122632436	A	G	<i>SEMA5B</i>
3	122642472	T	A	<i>SEMA5B</i>
3	122667454	A	T	<i>SEMA5B</i>
3	122873827	A	T	<i>PDIA5</i>
3	123010034	C	T	<i>ADCY5</i>
3	123019049	C	T	<i>ADCY5</i>
3	123046510	C	G	<i>ADCY5</i>
3	123419573	G	T	<i>MYLK</i>

3	123444833	C	T	MYLK
3	123451932	G	A	MYLK
3	123452836	G	A	MYLK
3	123457893	G	A	MYLK
3	123458823	C	A	MYLK
3	123512627	G	T	MYLK
3	123634294	C	T	CCDC14
3	123665902	T	G	CCDC14
3	124017713	G	A	KALRN
3	124117549	C	T	KALRN
3	124117557	T	A	KALRN
3	124281844	C	A	KALRN
3	124303696	C	T	KALRN
3	124356082	G	A	KALRN
3	124369671	C	T	KALRN
3	124377326	T	G	KALRN
3	124385342	A	G	KALRN
3	124462824	A	G	UMPS
3	124482495	TTGTTGAAC	-	ITGB5
3	124515354	C	T	ITGB5
3	124515454	C	T	ITGB5
3	124515496	C	T	ITGB5
3	124515498	T	C	ITGB5
3	124515632	G	C	ITGB5
3	124515646	A	C	ITGB5
3	124578212	C	G	ITGB5
3	124639097	C	T	MUC13
3	124646594	A	G	MUC13
3	124728626	A	G	HEG1
3	124731485	C	G	HEG1
3	124731689	T	A	HEG1
3	124732375	T	C	HEG1
3	124732618	A	G	HEG1
3	124739948	T	C	HEG1
3	124802888	C	T	SLC12A8
3	124826408	T	C	SLC12A8
3	124826801	C	T	SLC12A8
3	124837684	T	C	SLC12A8
3	124839470	G	A	SLC12A8
3	124896668	G	A	SLC12A8
3	125032366	C	G	ZNF148
3	125176183	A	G	SNX4
3	125725269	AAACA	-	SLC41A3

3	125726062	T	C	SLC41A3
3	125734340	A	T	SLC41A3
3	125735629	C	T	SLC41A3
3	125735679	G	A	SLC41A3
3	125775266	C	T	SLC41A3
3	125786852	C	T	SLC41A3
3	125786879	T	C	SLC41A3
3	125826003	T	C	ALDH1L1
3	125826059	T	C	ALDH1L1
3	125854409	T	C	ALDH1L1
3	125865723	G	A	ALDH1L1
3	125865756	C	T	ALDH1L1
3	125865766	C	A	ALDH1L1
3	125872384	A	G	ALDH1L1
3	125877290	G	A	ALDH1L1
3	125879755	C	T	ALDH1L1
3	126132999	C	A	CFAP100
3	126137547	G	A	CFAP100
3	126137556	G	A	CFAP100
3	126138988	T	C	CFAP100
3	126142434	GGA	-	CFAP100
3	126157255	A	T	ZXDC
3	126180565	C	T	ZXDC
3	126180820	G	A	ZXDC
3	126194083	T	C	ZXDC
3	126214943	A	G	UROC1
3	126218211	G	A	UROC1
3	126222856	C	T	UROC1
3	126226625	G	A	UROC1
3	126236523	G	A	UROC1
3	126255166	C	G	CHST13
3	126261345	G	A	CHST13
3	126451937	G	T	CHCHD6
3	126676314	T	C	CHCHD6
3	126707765	G	A	PLXNA1
3	126708481	G	C	PLXNA1
3	126722305	G	A	PLXNA1
3	127294041	G	A	TPRA1
3	127294805	A	G	TPRA1
3	127298917	T	C	TPRA1
3	127325493	G	C	MCM2
3	127327309	G	A	MCM2
3	127334777	G	A	MCM2

3	127379313	A	G	PODXL2
3	127379635	C	T	PODXL2
3	127395188	G	A	ABTB1
3	127396573	C	T	ABTB1
3	127398955	G	A	ABTB1
3	127411064	C	T	MGLL
3	127540645	G	A	MGLL
3	127641968	C	A	KBTBD12
3	127642198	T	A	KBTBD12
3	127642561	A	C	KBTBD12
3	127642814	G	C	KBTBD12
3	128181772	C	A	DNAJB8
3	128204951	C	T	GATA2
3	128204960	G	C	GATA2
3	128344415	C	T	RPN1
3	128344820	C	T	RPN1
3	128621441	G	A	ACAD9
3	128622922	G	A	ACAD9
3	128627862	C	T	ACAD9
3	128627887	G	A	ACAD9
3	128695837	T	C	KIAA1257
3	128707600	C	A	KIAA1257
3	128711946	C	A	KIAA1257
3	128720907	C	T	EFCC1
3	128751670	G	A	EFCC1
3	128780950	C	T	GP9
3	128890540	T	C	CNBP
3	128971732	G	A	COPG1
3	128976451	C	G	COPG1
3	129130087	C	T	EFCAB12
3	129137188	C	T	EFCAB12
3	129140589	G	A	EFCAB12
3	129150385	C	G	MBD4
3	129155414	A	G	MBD4
3	129155451	C	T	MBD4
3	129155463	A	G	MBD4
3	129155670	C	T	MBD4
3	129156717	A	G	MBD4
3	129195600	G	A	IFT122
3	129196984	C	T	IFT122
3	129207191	A	C	IFT122
3	129267910	G	A	H1FOO
3	129270029	A	G	H1FOO

3	129281980	C	T	PLXND1
3	129284818	A	C	PLXND1
3	129289978	G	A	PLXND1
3	129290644	G	C	PLXND1
3	129293256	T	C	PLXND1
3	129297243	G	A	PLXND1
3	129297255	T	C	PLXND1
3	129304797	G	A	PLXND1
3	129305459	C	A	PLXND1
3	129305460	C	T	PLXND1
3	129305473	G	C	PLXND1
3	129308276	G	A	PLXND1
3	129546729	T	C	TMCC1
3	130095179	T	C	COL6A5
3	130098623	C	G	COL6A5
3	130098639	C	T	COL6A5
3	130098653	G	T	COL6A5
3	130103709	G	A	COL6A5
3	130104088	C	T	COL6A5
3	130104153	G	A	COL6A5
3	130107567	T	G	COL6A5
3	130107827	G	A	COL6A5
3	130113771	G	A	COL6A5
3	130114082	C	G	COL6A5
3	130116524	-	TC	COL6A5
3	130116525	G	A	COL6A5
3	130116527	-	TCT	COL6A5
3	130116531	TTAG	-	COL6A5
3	130116536	-	GGGGGT	COL6A5
3	130116684	G	A	COL6A5
3	130116696	A	C	COL6A5
3	130129322	G	C	COL6A5
3	130132401	C	T	COL6A5
3	130135644	C	A	COL6A5
3	130159601	G	C	COL6A5
3	130162395	A	G	COL6A5
3	130174334	G	A	COL6A5
3	130187662	G	T	COL6A5
3	130188088	T	C	COL6A5
3	130188121	G	A	COL6A5
3	130188161	A	C	COL6A5
3	130282298	T	C	COL6A6
3	130282383	C	A	COL6A6

3	130284284	G	A	COL6A6
3	130285645	A	C	COL6A6
3	130285929	C	T	COL6A6
3	130287274	G	A	COL6A6
3	130290007	T	C	COL6A6
3	130293232	T	C	COL6A6
3	130311398	C	T	COL6A6
3	130329508	G	T	COL6A6
3	130346185	A	G	COL6A6
3	130360527	C	T	COL6A6
3	130361856	G	A	COL6A6
3	130367936	C	G	COL6A6
3	130368069	A	G	COL6A6
3	130377560	C	T	COL6A6
3	130452431	C	A	PIK3R4
3	130452803	G	A	PIK3R4
3	130735149	CAT	-	ASTE1
3	130889683	G	A	NEK11
3	130947435	A	T	NEK11
3	130992385	T	C	NEK11
3	131068497	C	T	NEK11
3	131068509	A	G	NEK11
3	131100956	C	G	NUDT16
3	131188574	A	G	MRPL3
3	132061458	GAGTAAAGTCT-		ACPP
3	132193853	C	A	DNAJC13
3	132196983	G	A	DNAJC13
3	132213034	A	G	DNAJC13
3	132218075	C	T	DNAJC13
3	132218621	G	A	DNAJC13
3	132218623	G	T	DNAJC13
3	132221139	C	T	DNAJC13
3	132221143	G	A	DNAJC13
3	132226100	A	G	DNAJC13
3	132230013	G	C	DNAJC13
3	132241682	C	T	DNAJC13
3	132241794	T	G	DNAJC13
3	132244562	G	T	DNAJC13
3	132257069	G	A	DNAJC13
3	132294680	G	T	ACAD11
3	132298373	T	C	ACAD11
3	132337477	C	A	ACAD11
3	132338346	T	G	ACAD11

3	132345591	C	T	ACAD11
3	132360883	C	T	ACAD11
3	132360973	C	T	ACAD11
3	132427031	G	A	NPHP3
3	132427063	T	C	NPHP3
3	133098806	C	T	TMEM108
3	133191280	C	T	BFSP2
3	133342192	C	T	TOPBP1
3	133368362	T	G	TOPBP1
3	133376750	T	C	TOPBP1
3	133475812	G	A	TF
3	133485133	A	G	TF
3	133494354	C	T	TF
3	133496032	G	A	TF
3	133524717	G	C	SRPRB
3	133547639	G	A	RAB6B
3	133647212	G	C	C3orf36
3	133664015	T	C	SLCO2A1
3	133664067	G	A	SLCO2A1
3	133666209	C	T	SLCO2A1
3	133670066	G	A	SLCO2A1
3	134077470	C	G	AMOTL2
3	134084727	C	T	AMOTL2
3	134085126	T	G	AMOTL2
3	134086392	G	A	AMOTL2
3	134089758	C	T	AMOTL2
3	134256110	G	C	CEP63
3	134264540	A	G	CEP63
3	134327503	T	A	KY
3	134339626	A	G	KY
3	134514525	A	G	EPHB1
3	134977949	C	T	EPHB1
3	135720540	A	G	PPP2R3A
3	135720572	G	A	PPP2R3A
3	135720663	A	G	PPP2R3A
3	135720851	G	T	PPP2R3A
3	135721085	A	G	PPP2R3A
3	135721781	C	G	PPP2R3A
3	135745762	C	T	PPP2R3A
3	135870104	C	T	MSL2
3	135871179	G	A	MSL2
3	135969266	C	A	PCCB
3	136016845	G	A	PCCB

3	136019898	C	T	PCCB
3	136573864	A	G	SLC35G2
3	136664737	C	T	NCK1
3	136701093	A	G	IL20RB
3	137717744	G	A	CLDN18
3	137743508	A	T	CLDN18
3	137786442	T	C	DZIP1L
3	137787192	T	C	DZIP1L
3	137790616	C	T	DZIP1L
3	137796424	G	A	DZIP1L
3	137807259	G	A	DZIP1L
3	137843333	G	A	A4GNT
3	137843476	G	T	A4GNT
3	137843487	G	T	A4GNT
3	137849888	C	T	A4GNT
3	137881014	G	A	DBR1
3	137881084	C	G	DBR1
3	137881320	T	C	DBR1
3	138033228	C	G	NME9
3	138176419	G	A	ESYT3
3	138186974	G	A	ESYT3
3	138187016	G	A	ESYT3
3	138191347	C	T	ESYT3
3	138191448	A	T	ESYT3
3	138218994	T	C	CEP70
3	138219252	A	T	CEP70
3	138289221	C	T	CEP70
3	138347957	G	A	FAIM
3	138347988	T	C	FAIM
3	138403632	T	C	PIK3CB
3	138668458	GGCATTTCGAA	-	FOXL2NB
3	139069133	C	T	MRPS22
3	139071497	C	G	MRPS22
3	140167433	C	T	CLSTN2
3	140167490	T	A	CLSTN2
3	140178381	T	C	CLSTN2
3	140178485	G	A	CLSTN2
3	140285000	GAG	-	CLSTN2
3	140401440	C	T	TRIM42
3	140401693	A	G	TRIM42
3	140406890	G	A	TRIM42
3	140406947	G	A	TRIM42
3	140407260	C	A	TRIM42

3	140409837	G	A	TRIM42
3	140409919	G	A	TRIM42
3	140785121	G	A	SPSB4
3	141162128	C	G	ZBTB38
3	141163074	C	T	ZBTB38
3	141163362	G	T	ZBTB38
3	141163655	G	A	ZBTB38
3	141299222	A	G	RASA2
3	141497368	G	A	GRK7
3	141497469	A	T	GRK7
3	141497506	G	C	GRK7
3	141499528	G	C	GRK7
3	141526640	G	A	GRK7
3	141535608	C	A	GRK7
3	141682750	T	C	TFDP2
3	142074260	G	A	XRN1
3	142078759	C	T	XRN1
3	142141496	G	A	XRN1
3	142178144	C	T	ATR
3	142188337	A	C	ATR
3	142269075	C	T	ATR
3	142272098	A	G	ATR
3	142272170	A	G	ATR
3	142274770	T	C	ATR
3	142281252	T	C	ATR
3	142281298	C	T	ATR
3	142281612	A	G	ATR
3	142284987	G	A	ATR
3	142402975	T	C	PLS1
3	142403001	T	C	PLS1
3	142413338	G	A	PLS1
3	142542415	C	T	PCOLCE2
3	142542449	G	T	PCOLCE2
3	142548560	A	G	PCOLCE2
3	142681233	T	C	PAQR9
3	142840518	G	T	CHST2
3	142985674	G	T	SLC9A9
3	142985717	T	C	SLC9A9
3	143100940	C	T	SLC9A9
3	145822093	T	C	PLOD2
3	145824347	G	A	PLOD2
3	145824401	C	T	PLOD2
3	145828192	T	C	PLOD2

3	145917761	T	C	PLSCR4
3	145924454	C	A	PLSCR4
3	145938619	T	C	PLSCR4
3	146167089	T	A	PLSCR2
3	146171883	G	C	PLSCR2
3	146234909	G	A	PLSCR1
3	146243418	-	T	PLSCR1
3	146246480	ACTGGCTGATT-		PLSCR1
3	146251266	C	T	PLSCR1
3	146311775	G	A	PLSCR5
3	147113821	G	C	ZIC4
3	147113834	C	T	ZIC4
3	147114032	C	G	ZIC4
3	147131234	A	G	ZIC1
3	148552330	A	G	CPB1
3	148559651	C	A	CPB1
3	148562310	G	A	CPB1
3	148562470	T	C	CPB1
3	148597602	G	T	CPA3
3	148597612	C	T	CPA3
3	148597614	G	A	CPA3
3	148601469	C	T	CPA3
3	148614472	A	C	CPA3
3	148711989	G	A	GYG1
3	148712019	G	A	GYG1
3	148714249	G	C	GYG1
3	148757864	C	T	HLTF
3	148757880	G	A	HLTF
3	148757909	A	G	HLTF
3	148781246	A	T	HLTF
3	148786085	T	C	HLTF
3	148880043	G	A	HPS3
3	148903153	G	A	CP
3	148917570	G	A	CP
3	148925248	G	A	CP
3	149048166	T	C	TM4SF18
3	149238595	-	TTAA	WWTR1
3	149245675	T	A	WWTR1
3	149260270	T	G	WWTR1
3	149468530	T	G	COMMD2
3	149485118	G	A	ANKUB1
3	149485531	A	C	ANKUB1
3	149485580	A	G	ANKUB1

3	149498097	T	C	ANKUB1
3	150128551	C	T	TSC22D2
3	150128822	C	G	TSC22D2
3	150128839	G	T	TSC22D2
3	150280445	C	G	EIF2A
3	150281340	C	T	EIF2A
3	150299505	T	C	EIF2A
3	150384657	G	A	ERICH6
3	150391810	A	C	ERICH6
3	150398311	C	A	ERICH6
3	150881774	A	C	MED12L
3	150908578	G	T	MED12L
3	150916327	T	C	GPR171
3	150932079	G	C	P2RY14
3	151012541	C	T	GPR87
3	151045976	T	C	P2RY13
3	151046308	G	A	P2RY13
3	151046506	G	T	P2RY13
3	151090424	G	A	MED12L
3	151154509	C	T	IGSF10
3	151154923	T	A	IGSF10
3	151161112	A	G	IGSF10
3	151161330	T	A	IGSF10
3	151162965	C	A	IGSF10
3	151163838	T	C	IGSF10
3	151164057	T	C	IGSF10
3	151164174	A	C	IGSF10
3	151164917	G	T	IGSF10
3	151165532	G	C	IGSF10
3	151165558	AA	-	IGSF10
3	151166049	C	T	IGSF10
3	151166058	G	A	IGSF10
3	151166723	T	C	IGSF10
3	151171406	C	T	IGSF10
3	151171439	A	C	IGSF10
3	151474954	C	T	AADA2L2
3	153839866	G	C	ARHGEF26
3	153839959	C	T	ARHGEF26
3	153839960	T	C	ARHGEF26
3	153840389	T	C	ARHGEF26
3	153943770	C	G	ARHGEF26
3	153972583	G	A	ARHGEF26
3	154018825	CTTCTTTTT	-	DHX36

3	154018887	G	C	DHX36
3	154032856	G	T	DHX36
3	154801978	A	G	MME
3	154836554	G	C	MME
3	154859855	G	A	MME
3	154859862	A	G	MME
3	155199598	C	T	PLCH1
3	155200133	T	C	PLCH1
3	155314114	G	A	PLCH1
3	155520356	C	T	C3orf33
3	155547508	T	G	SLC33A1
3	155571275	T	C	SLC33A1
3	156241691	C	G	KCNAB1
3	156413682	A	C	TIPARP
3	156979068	C	T	VEPH1
3	157081226	-	T	VEPH1
3	157081324	A	G	VEPH1
3	157081352	A	T	VEPH1
3	157081353	T	A	VEPH1
3	157099066	C	T	VEPH1
3	157131788	A	C	VEPH1
3	157146186	C	T	VEPH1
3	157155314	C	A	PTX3
3	157178026	G	T	VEPH1
3	157839955	G	A	RSRC1
3	157841743	A	G	RSRC1
3	158261981	G	A	RSRC1
3	158320703	C	A	MLF1
3	158363463	A	G	GFM1
3	158366900	G	A	GFM1
3	158384463	C	T	LXN
3	158384811	A	G	LXN
3	158387350	T	C	LXN
3	158388780	T	C	LXN
3	158388795	C	T	LXN
3	158390222	C	T	LXN
3	158408032	G	A	GFM1
3	158520011	C	T	MFSD1
3	158526966	AGGA	-	MFSD1
3	158539799	T	A	MFSD1
3	159713215	G	A	IL12A
3	159997061	T	A	IFT80
3	160131347	A	G	SMC4

3	160155862	AGAT	-	TRIM59
3	160155865	TAGAG	-	TRIM59
3	160156200	G	A	TRIM59
3	160156298	A	G	TRIM59
3	160679657	G	A	PPM1L
3	164700803	A	C	SI
3	164739053	C	T	SI
3	164741534	A	G	SI
3	164755719	T	C	SI
3	164755794	T	C	SI
3	164764786	A	C	SI
3	164777725	C	T	SI
3	164777793	G	A	SI
3	164783165	T	C	SI
3	164793758	C	A	SI
3	164906320	A	T	SLITRK3
3	164906806	T	C	SLITRK3
3	165491280	C	T	BCHE
3	165547569	C	A	BCHE
3	165547973	C	G	BCHE
3	165548010	G	A	BCHE
3	165548187	G	A	BCHE
3	165548529	T	C	BCHE
3	167000256	G	C	ZBBX
3	167023493	C	T	ZBBX
3	167023573	C	T	ZBBX
3	167023624	A	G	ZBBX
3	167035332	T	C	ZBBX
3	167045741	G	A	ZBBX
3	167045759	T	C	ZBBX
3	167045798	A	G	ZBBX
3	167068256	T	A	ZBBX
3	167083673	C	G	ZBBX
3	167083684	T	-	ZBBX
3	167183414	G	A	SERPINI2
3	167184878	T	C	SERPINI2
3	167189607	A	C	SERPINI2
3	167223184	A	G	WDR49
3	167254681	A	G	WDR49
3	167272557	A	T	WDR49
3	167278013	T	C	WDR49
3	167320010	T	C	WDR49
3	167322164	G	A	WDR49

3	167506937	C	G	SERPINI1
3	167508198	G	A	SERPINI1
3	167742354	TCC	-	GOLIM4
3	167747022	C	T	GOLIM4
3	167747659	C	G	GOLIM4
3	167747707	C	T	GOLIM4
3	168840462	T	C	MECOM
3	168861536	C	A	MECOM
3	169098992	G	A	MECOM
3	169485336	A	G	ACTRT3
3	169485588	G	C	ACTRT3
3	169485639	C	T	ACTRT3
3	169514077	G	A	LRRC34
3	169514585	A	T	LRRC34
3	169539812	C	G	LRRIQ4
3	169539990	G	A	LRRIQ4
3	169540184	A	G	LRRIQ4
3	169540591	G	C	LRRIQ4
3	169569432	C	G	LRRC31
3	169572694	C	T	LRRC31
3	169587465	G	A	LRRC31
3	169644710	G	C	SAMD7
3	169710614	G	C	SEC62
3	169831268	T	C	PHC3
3	169831270	T	A	PHC3
3	169840427	T	C	PHC3
3	169846735	T	C	PHC3
3	169896715	T	C	PHC3
3	170078232	C	T	SKIL
3	170110147	T	A	SKIL
3	170204096	G	A	SLC7A14
3	170584249	C	A	RPL22L1
3	170715835	G	C	SLC2A2
3	170716937	C	A	SLC2A2
3	170732300	G	A	SLC2A2
3	170732426	G	A	SLC2A2
3	170732471	C	T	SLC2A2
3	170811629	T	G	TNIK
3	170819367	C	T	TNIK
3	171321023	C	T	PLD1
3	171377043	T	C	PLD1
3	171404478	C	A	PLD1
3	171404481	G	T	PLD1

3	171404483	G	A	<i>PLD1</i>
3	171417570	G	A	<i>PLD1</i>
3	171431726	C	G	<i>PLD1</i>
3	171442535	C	A	<i>PLD1</i>
3	171452701	C	T	<i>PLD1</i>
3	171969077	C	G	<i>FNDC3B</i>
3	172064181	C	G	<i>FNDC3B</i>
3	172070668	G	A	<i>FNDC3B</i>
3	172232780	G	T	<i>TNFSF10</i>
3	172351716	T	C	<i>NCEH1</i>
3	172353780	T	C	<i>NCEH1</i>
3	172365832	T	G	<i>NCEH1</i>
3	172428729	C	T	<i>NCEH1</i>
3	172428782	T	C	<i>NCEH1</i>
3	172477950	G	T	<i>ECT2</i>
3	172499996	G	A	<i>ECT2</i>
3	172631512	G	A	<i>SPATA16</i>
3	172737276	C	T	<i>SPATA16</i>
3	172835082	C	T	<i>SPATA16</i>
3	172835092	T	G	<i>SPATA16</i>
3	172835125	T	C	<i>SPATA16</i>
3	172835290	C	T	<i>SPATA16</i>
3	172835392	A	T	<i>SPATA16</i>
3	172835469	T	C	<i>SPATA16</i>
3	173996996	G	A	<i>NLGN1</i>
3	174814738	G	A	<i>NAALADL2</i>
3	174814870	C	T	<i>NAALADL2</i>
3	174814909	G	A	<i>NAALADL2</i>
3	174951756	T	C	<i>NAALADL2</i>
3	174974212	G	A	<i>NAALADL2</i>
3	175165079	C	T	<i>NAALADL2</i>
3	175293892	A	G	<i>NAALADL2</i>
3	175455116	A	G	<i>NAALADL2</i>
3	178927410	A	G	<i>PIK3CA</i>
3	178960767	T	-	<i>KCNMB3</i>
3	178968568	A	C	<i>KCNMB3</i>
3	178968634	C	T	<i>KCNMB3</i>
3	178968660	T	C	<i>KCNMB3</i>
3	179051810	A	G	<i>ZNF639</i>
3	179082937	G	A	<i>MFN1</i>
3	179085860	A	G	<i>MFN1</i>
3	179096508	C	G	<i>MFN1</i>
3	179119066	C	T	<i>GNB4</i>

3	179294488	G	A	ACTL6A
3	179294509	T	A	ACTL6A
3	179306748	C	T	MRPL47
3	179306775	C	T	MRPL47
3	179322385	A	C	MRPL47
3	179408054	C	T	USP13
3	179424788	T	C	USP13
3	179483498	A	G	USP13
3	179529649	A	C	PEX5L
3	179593208	G	T	PEX5L
3	179615983	T	G	PEX5L
3	180322041	C	T	TTC14
3	180325561	C	G	TTC14
3	180327530	C	T	TTC14
3	180327857	G	A	TTC14
3	180334077	-	A	CCDC39
3	180334458	C	T	CCDC39
3	180359790	T	C	CCDC39
3	180364961	T	C	CCDC39
3	180369283	G	A	CCDC39
3	180372580	A	T	CCDC39
3	180377529	G	C	CCDC39
3	180379773	C	T	CCDC39
3	182538065	T	G	ATP11B
3	182583338	T	A	ATP11B
3	182755209	T	G	MCCC1
3	182810216	T	G	MCCC1
3	182897920	A	G	MCF2L2
3	182923984	G	A	MCF2L2
3	182946129	A	C	MCF2L2
3	183006918	A	G	MCF2L2
3	183017837	C	T	MCF2L2
3	183027542	T	G	MCF2L2
3	183056598	G	A	MCF2L2
3	183059354	C	T	MCF2L2
3	183107557	C	T	MCF2L2
3	183217586	C	A	KLHL6
3	183442219	A	G	YEATS2
3	183474410	T	G	YEATS2
3	183476685	G	A	YEATS2
3	183476697	A	G	YEATS2
3	183490222	G	T	YEATS2
3	183508669	G	A	YEATS2

3	183558402	C	G	PARL
3	183689610	G	T	ABCC5
3	183753843	T	C	HTR3D
3	183753872	G	A	HTR3D
3	183754278	C	G	HTR3D
3	183754294	G	C	HTR3D
3	183755948	T	C	HTR3D
3	183756391	C	G	HTR3D
3	183756412	G	A	HTR3D
3	183774762	C	A	HTR3C
3	183777950	C	T	HTR3C
3	183778010	G	C	HTR3C
3	183778075	T	C	HTR3C
3	183818222	G	-	HTR3E
3	183822642	A	C	HTR3E
3	183823141	G	A	HTR3E
3	183854503	C	T	EIF2B5
3	183861243	A	G	EIF2B5
3	183906916	C	T	ABCF3
3	183908978	G	C	ABCF3
3	183908982	C	T	ABCF3
3	183957218	C	T	VWA5B2
3	183960671	C	T	ALG3
3	183963381	T	C	ALG3
3	183975365	C	T	ECE2
3	183976241	A	G	ECE2
3	184008878	T	A	ECE2
3	184019681	G	A	PSMD2
3	184037533	A	G	EIF4G1
3	184039767	AGGAGAAGC	-	EIF4G1
3	184039828	C	T	EIF4G1
3	184040371	G	C	EIF4G1
3	184041256	G	C	EIF4G1
3	184045397	C	G	EIF4G1
3	184045410	T	C	EIF4G1
3	184070588	C	G	CLCN2
3	184070901	C	T	CLCN2
3	184071063	G	C	CLCN2
3	184071131	-	CGG	CLCN2
3	184071136	G	A	CLCN2
3	184075461	A	G	CLCN2
3	184075476	C	T	CLCN2
3	184086052	T	A	POLR2H

3	184090724	A	T	<i>THPO</i>
3	184099050	C	T	<i>CHRD</i>
3	184103903	A	C	<i>CHRD</i>
3	184295518	C	T	<i>EPHB3</i>
3	184428722	G	-	<i>MAGEF1</i>
3	184428903	T	G	<i>MAGEF1</i>
3	184429414	C	A	<i>MAGEF1</i>
3	184429425	A	G	<i>MAGEF1</i>
3	184542480	A	T	<i>VPS8</i>
3	184550501	A	G	<i>VPS8</i>
3	184603910	G	A	<i>VPS8</i>
3	184648315	G	A	<i>VPS8</i>
3	184654109	A	C	<i>VPS8</i>
3	184700426	C	T	<i>VPS8</i>
3	184717530	A	G	<i>VPS8</i>
3	184742161	A	G	<i>VPS8</i>
3	184766301	T	C	<i>VPS8</i>
3	184801094	G	A	<i>C3orf70</i>
3	184801115	A	G	<i>C3orf70</i>
3	184910069	T	A	<i>EHHADH</i>
3	184910078	G	A	<i>EHHADH</i>
3	184910133	G	T	<i>EHHADH</i>
3	184911180	C	T	<i>EHHADH</i>
3	184911203	G	A	<i>EHHADH</i>
3	184922294	C	T	<i>EHHADH</i>
3	185146499	G	A	<i>MAP3K13</i>
3	185191253	G	A	<i>MAP3K13</i>
3	185209413	C	T	<i>TMEM41A</i>
3	185209534	A	G	<i>TMEM41A</i>
3	185331165	C	A	<i>SEN2</i>
3	185798862	T	C	<i>ETV5</i>
3	185990096	C	T	<i>DGKG</i>
3	186006618	G	C	<i>DGKG</i>
3	186257369	G	T	<i>CRYGS</i>
3	186301703	A	G	<i>DNAJB11</i>
3	186335056	G	A	<i>AHSG</i>
3	186337713	T	C	<i>AHSG</i>
3	186338564	C	T	<i>AHSG</i>
3	186358346	T	C	<i>FETUB</i>
3	186364046	G	A	<i>FETUB</i>
3	186370350	A	G	<i>FETUB</i>
3	186386776	C	G	<i>HRG</i>
3	186390627	C	T	<i>HRG</i>

3	186395113	A	G	HRG
3	186395280	CCCCATGGACA-		HRG
3	186395400	G	A	HRG
3	186395436	C	T	HRG
3	186395572	A	T	HRG
3	186443018	T	C	KNG1
3	186445052	T	G	KNG1
3	186459475	C	G	KNG1
3	186459927	T	C	KNG1
3	186461524	C	T	KNG1
3	186522456	A	G	RFC4
3	186572026	G	A	ADIPOQ
3	186572089	T	C	ADIPOQ
3	186917586	C	T	RTP1
3	186944222	T	C	MASP1
3	186953932	C	A	MASP1
3	186954152	G	A	MASP1
3	186959295	C	T	MASP1
3	186965162	C	T	MASP1
3	187088656	C	T	RTP4
3	187088745	G	C	RTP4
3	187088812	C	T	RTP4
3	187088923	G	A	RTP4
3	187088926	G	A	RTP4
3	187088958	C	T	RTP4
3	187386972	C	T	SST
3	187387022	T	G	SST
3	187388048	G	A	SST
3	187419816	T	C	RTP2
3	187446211	C	T	BCL6
3	187447701	C	A	BCL6
3	188327019	C	T	LPP
3	188327256	C	T	LPP
3	188327445	G	A	LPP
3	188327555	T	C	LPP
3	188592145	G	A	LPP
3	188592227	G	A	LPP
3	188925207	G	C	TPRG1
3	189607152	C	A	TP63
3	189704596	C	T	P3H2
3	189706798	G	A	P3H2
3	189713157	C	A	P3H2
3	190106072	G	-	CLDN16

3	190106074	G	C	<i>CLDN16</i>
3	190127743	C	A	<i>CLDN16</i>
3	190158078	G	T	<i>TMEM207</i>
3	190573340	G	C	<i>GMNC</i>
3	190573374	C	G	<i>GMNC</i>
3	190573409	G	A	<i>GMNC</i>
3	190575660	T	A	<i>GMNC</i>
3	190578566	A	G	<i>GMNC</i>
3	190578589	G	A	<i>GMNC</i>
3	190999917	C	A	<i>UTS2B</i>
3	191087740	A	T	<i>CCDC50</i>
3	191093019	C	T	<i>CCDC50</i>
3	191093310	A	G	<i>CCDC50</i>
3	191097966	T	C	<i>CCDC50</i>
3	191098660	A	G	<i>CCDC50</i>
3	191107358	C	T	<i>CCDC50</i>
3	191179177	T	G	<i>PYDC2</i>
3	191179193	A	G	<i>PYDC2</i>
3	192994543	A	G	<i>ATP13A5</i>
3	193007713	A	T	<i>ATP13A5</i>
3	193031926	C	T	<i>ATP13A5</i>
3	193032832	C	T	<i>ATP13A5</i>
3	193036894	G	A	<i>ATP13A5</i>
3	193051624	C	T	<i>ATP13A5</i>
3	193081090	C	T	<i>ATP13A5</i>
3	193081122	G	T	<i>ATP13A5</i>
3	193081962	C	-	<i>ATP13A5</i>
3	193120535	G	A	<i>ATP13A4</i>
3	193166028	T	C	<i>ATP13A4</i>
3	193171979	T	A	<i>ATP13A4</i>
3	193209178	T	C	<i>ATP13A4</i>
3	193232539	T	C	<i>ATP13A4</i>
3	193332522	C	A	<i>OPA1</i>
3	193332587	TTCACGAAGCA-		<i>OPA1</i>
3	193334991	G	A	<i>OPA1</i>
3	193336676	C	T	<i>OPA1</i>
3	193361167	A	G	<i>OPA1</i>
3	194061810	C	A	<i>CPN2</i>
3	194061826	C	T	<i>CPN2</i>
3	194061906	T	C	<i>CPN2</i>
3	194061907	G	A	<i>CPN2</i>
3	194061955	C	T	<i>CPN2</i>
3	194062519	C	T	<i>CPN2</i>

3	194080125	C	T	<i>LRRC15</i>
3	194080916	G	A	<i>LRRC15</i>
3	194080983	C	T	<i>LRRC15</i>
3	194118145	C	G	<i>GP5</i>
3	194147859	C	T	<i>ATP13A3</i>
3	194180616	T	C	<i>ATP13A3</i>
3	194325075	G	A	<i>TMEM44</i>
3	194325103	G	A	<i>TMEM44</i>
3	194325120	C	G	<i>TMEM44</i>
3	194337901	T	C	<i>TMEM44</i>
3	194344421	C	T	<i>TMEM44</i>
3	194346704	A	G	<i>TMEM44</i>
3	194365360	C	T	<i>LSG1</i>
3	194371747	A	G	<i>LSG1</i>
3	194371881	G	C	<i>LSG1</i>
3	194373736	T	C	<i>LSG1</i>
3	194373832	T	C	<i>LSG1</i>
3	194386985	TTC	-	<i>LSG1</i>
3	194387253	A	G	<i>LSG1</i>
3	194408302	G	T	<i>FAM43A</i>
3	195013094	T	C	<i>ACAP2</i>
3	195298178	G	C	<i>APOD</i>
3	195300740	C	T	<i>APOD</i>
3	195306289	A	G	<i>APOD</i>
3	195453042	T	C	<i>MUC20</i>
3	195453048	TTAGCA	-	<i>MUC20</i>
3	195453329	C	T	<i>MUC20</i>
3	195453345	C	T	<i>MUC20</i>
3	195453357	T	C	<i>MUC20</i>
3	195453423	C	T	<i>MUC20</i>
3	195456545	C	T	<i>MUC20</i>
3	195460073	G	A	<i>MUC20</i>
3	195474159	G	A	<i>MUC4</i>
3	195474160	C	A	<i>MUC4</i>
3	195477786	C	T	<i>MUC4</i>
3	195481129	C	A	<i>MUC4</i>
3	195486072	G	A	<i>MUC4</i>
3	195487874	A	G	<i>MUC4</i>
3	195495916	G	C	<i>MUC4</i>
3	195497143	C	T	<i>MUC4</i>
3	195497174	C	G	<i>MUC4</i>
3	195501149	C	T	<i>MUC4</i>
3	195505664	G	A	<i>MUC4</i>

3	195505699	G	T	<i>MUC4</i>
3	195515510	A	C	<i>MUC4</i>
3	195515617	G	C	<i>MUC4</i>
3	195515723	T	C	<i>MUC4</i>
3	195515726	G	C	<i>MUC4</i>
3	195515800	C	G	<i>MUC4</i>
3	195515996	C	T	<i>MUC4</i>
3	195516305	C	T	<i>MUC4</i>
3	195516350	C	T	<i>MUC4</i>
3	195516878	T	C	<i>MUC4</i>
3	195516980	A	G	<i>MUC4</i>
3	195517097	G	A	<i>MUC4</i>
3	195517183	G	A	<i>MUC4</i>
3	195517220	A	G	<i>MUC4</i>
3	195517258	G	A	<i>MUC4</i>
3	195517321	G	A	<i>MUC4</i>
3	195517553	A	C	<i>MUC4</i>
3	195517909	G	A	<i>MUC4</i>
3	195517909	G	T	<i>MUC4</i>
3	195518112	-	GTCTCCTGCGT	<i>MUC4</i>
3	195518330	C	G	<i>MUC4</i>
3	195538675	C	T	<i>MUC4</i>
3	195594068	C	T	<i>TNK2</i>
3	195934276	T	C	<i>ZDHHC19</i>
3	195934286	G	C	<i>ZDHHC19</i>
3	195935308	A	G	<i>ZDHHC19</i>
3	195936337	G	T	<i>ZDHHC19</i>
3	195955762	G	A	<i>SLC51A</i>
3	195959323	A	G	<i>SLC51A</i>
3	195965653	G	A	<i>PCYT1A</i>
3	196022930	G	A	<i>TCTEX1D2</i>
3	196050728	T	C	<i>TM4SF19</i>
3	196050834	C	T	<i>TM4SF19</i>
3	196050862	A	G	<i>TM4SF19</i>
3	196054374	C	G	<i>TM4SF19</i>
3	196098796	T	C	<i>UBXN7</i>
3	196199204	G	T	<i>RNF168</i>
3	196214299	C	T	<i>RNF168</i>
3	196214320	C	T	<i>RNF168</i>
3	196234868	G	A	<i>SMCO1</i>
3	196281263	C	T	<i>WDR53</i>
3	196288246	G	A	<i>WDR53</i>
3	196387763	G	A	<i>NRROS</i>

3	196388099	G	C	NRROS
3	196388402	G	T	NRROS
3	196613072	A	C	SENP5
3	196613409	C	T	SENP5
3	196674518	A	G	PIGZ
3	196674749	C	T	PIGZ
3	196674972	C	T	PIGZ
3	196675397	G	A	PIGZ
3	196735687	C	T	MFI2
3	196736575	A	G	MFI2
3	196743111	-	C	MFI2
3	196743993	C	T	MFI2
3	196743994	G	A	MFI2
3	196744084	C	T	MFI2
3	196771513	G	A	DLG1
3	196792163	C	T	DLG1
3	196792663	C	A	DLG1
3	196807928	A	C	DLG1
3	196865242	C	T	DLG1
3	196921360	T	C	DLG1
3	197238857	C	T	BDH1
3	197260385	C	T	BDH1
3	197403844	T	C	RUBCN
3	197409341	G	A	RUBCN
3	197409392	T	A	RUBCN
3	197427677	GGA	-	RUBCN
3	197427706	C	T	RUBCN
3	197431446	C	T	RUBCN
3	197432000	C	T	RUBCN
3	197432036	C	T	RUBCN
3	197482687	C	G	FYTTD1
3	197495334	G	A	FYTTD1
3	197544097	A	C	LRCH3
3	197566233	A	C	LRCH3
3	197579466	C	T	LRCH3
3	197665522	G	A	IQCG
3	197665599	G	T	IQCG
3	197670824	C	T	IQCG
3	197687252	A	C	LMLN
3	197701913	G	T	LMLN
4	155655	C	G	ZNF718
4	264941	A	G	ZNF732
4	265024	C	T	ZNF732

4	266147	T	C	ZNF732
4	266171	G	A	ZNF732
4	366612	G	A	ZNF141
4	366713	C	T	ZNF141
4	436067	C	A	ZNF721
4	436296	T	C	ZNF721
4	438084	C	T	ZNF721
4	515503	C	G	PIGG
4	517461	T	C	PIGG
4	520853	G	A	PIGG
4	527677	T	C	PIGG
4	628493	G	A	PDE6B
4	629702	T	C	PDE6B
4	647921	G	A	PDE6B
4	648643	G	A	PDE6B
4	668009	G	A	ATP5I
4	673772	C	T	MYL5
4	673778	T	C	MYL5
4	680001	G	A	MFSD7
4	843508	C	T	GAK
4	843720	T	C	GAK
4	845678	C	T	GAK
4	845686	C	G	GAK
4	860923	G	A	GAK
4	862363	C	A	GAK
4	877843	T	C	GAK
4	882731	G	A	GAK
4	887698	G	A	GAK
4	941568	C	T	TMEM175
4	944210	A	C	TMEM175
4	945042	A	C	TMEM175
4	951773	G	A	TMEM175
4	951791	T	C	TMEM175
4	951982	C	G	TMEM175
4	952009	C	T	TMEM175
4	959830	C	T	DGKQ
4	981684	C	G	IDUA
4	982720	G	C	SLC26A1
4	982821	C	A	SLC26A1
4	983060	T	C	SLC26A1
4	983612	C	T	SLC26A1
4	983625	C	T	SLC26A1
4	983684	A	G	SLC26A1

4	994414	G	A	IDUA
4	996165	G	A	IDUA
4	1017613	C	T	FGFRL1
4	1018891	G	T	FGFRL1
4	1019011	C	T	FGFRL1
4	1066769	C	T	RNF212
4	1090624	C	T	RNF212
4	1164277	C	G	SPON2
4	1165131	C	T	SPON2
4	1165741	A	G	SPON2
4	1165748	T	C	SPON2
4	1330759	T	C	MAEA
4	1341896	C	T	UVSSA
4	1348920	G	A	UVSSA
4	1349029	G	A	UVSSA
4	1360144	G	A	UVSSA
4	1369196	C	T	UVSSA
4	1643103	G	A	FAM53A
4	1643204	C	T	FAM53A
4	1656850	G	A	FAM53A
4	1659162	C	T	FAM53A
4	1705399	G	A	SLBP
4	1729556	G	A	TACC3
4	1729765	CAAAGCGGAG/-		TACC3
4	1729765	CAAAGCGGAG/-		TACC3
4	1729777	T	-	TACC3
4	1729780	G	-	TACC3
4	1729789	C	-	TACC3
4	1729887	G	T	TACC3
4	1729953	G	A	TACC3
4	1729988	G	A	TACC3
4	1732978	G	A	TACC3
4	1806131	T	C	FGFR3
4	1806629	C	T	FGFR3
4	1843324	C	T	LETM1
4	1843424	T	C	LETM1
4	1936897	C	A	WHSC1
4	1986559	T	C	NELFA
4	2074703	G	-	POLN
4	2130921	T	C	POLN
4	2172456	T	C	POLN
4	2176454	G	A	POLN
4	2178018	G	T	POLN

4	2194946	C	T	POLN
4	2195009	G	A	POLN
4	2195024	T	G	POLN
4	2210065	C	A	POLN
4	2233709	A	G	HAUS3
4	2240475	T	C	HAUS3
4	2240484	C	T	HAUS3
4	2241863	A	-	HAUS3
4	2306259	C	T	ZFYVE28
4	2306281	C	T	ZFYVE28
4	2306329	G	A	ZFYVE28
4	2307121	G	A	ZFYVE28
4	2307178	G	C	ZFYVE28
4	2692479	C	T	FAM193A
4	2702115	A	G	FAM193A
4	2744087	G	A	TNIP2
4	2746567	C	T	TNIP2
4	2746583	C	A	TNIP2
4	2749525	C	T	TNIP2
4	2826399	A	G	SH3BP2
4	2828992	C	T	SH3BP2
4	2831570	G	A	SH3BP2
4	2834080	C	T	SH3BP2
4	2906707	G	T	ADD1
4	2910308	G	A	ADD1
4	2916762	C	G	ADD1
4	2933284	G	A	MFSD10
4	2934118	A	G	MFSD10
4	2941317	G	A	NOP14
4	2943361	T	C	NOP14
4	2943419	G	A	NOP14
4	2946920	T	C	NOP14
4	2948203	G	A	NOP14
4	2951804	A	G	NOP14
4	2990487	C	T	GRK4
4	2990499	G	T	GRK4
4	3005964	G	A	GRK4
4	3006043	C	T	GRK4
4	3015553	G	A	GRK4
4	3024158	A	C	GRK4
4	3031016	T	G	GRK4
4	3039150	T	C	GRK4
4	3109095	C	T	HTT

4	3132038	A	G	HTT
4	3133113	G	A	HTT
4	3137674	G	A	HTT
4	3148570	G	A	HTT
4	3148624	G	C	HTT
4	3148653	T	G	HTT
4	3189510	T	C	HTT
4	3189547	C	A	HTT
4	3215835	T	C	HTT
4	3216905	GAG	-	HTT
4	3221998	A	T	HTT
4	3230411	G	-	HTT
4	3230411	GAG	-	HTT
4	3234980	G	A	HTT
4	3317943	T	G	RGS12
4	3318726	A	T	RGS12
4	3319508	G	T	RGS12
4	3417811	C	T	RGS12
4	3429856	A	G	RGS12
4	3432319	C	T	RGS12
4	3445769	CCCTGGATCCC-	-	HGFAC
4	3445771	C	-	HGFAC
4	3445783	G	-	HGFAC
4	3445858	C	T	HGFAC
4	3445864	T	A	HGFAC
4	3446079	G	T	HGFAC
4	3446091	G	T	HGFAC
4	3446132	C	G	HGFAC
4	3449652	G	A	HGFAC
4	3449915	A	G	HGFAC
4	3451109	G	A	HGFAC
4	3475210	G	A	DOK7
4	3494600	A	G	DOK7
4	3494884	G	A	DOK7
4	3494917	C	T	DOK7
4	3494956	C	T	DOK7
4	3495220	C	A	DOK7
4	3516559	C	T	LRPAP1
4	3519881	C	T	LRPAP1
4	3520630	T	C	LRPAP1
4	3526642	T	C	LRPAP1
4	3526645	C	T	LRPAP1
4	4199083	T	G	OTOP1

4	4199261	C	T	OTOP1
4	4199266	G	A	OTOP1
4	4199302	C	G	OTOP1
4	4199634	A	T	OTOP1
4	4207798	C	A	OTOP1
4	4269672	T	G	LYAR
4	4276198	C	T	LYAR
4	4276475	C	T	LYAR
4	4276475	C	A	LYAR
4	4304522	A	C	ZBTB49
4	4304605	G	A	ZBTB49
4	4322570	G	A	ZBTB49
4	4322624	C	G	ZBTB49
4	4322670	C	T	ZBTB49
4	4322790	T	C	ZBTB49
4	4389432	C	T	NSG1
4	4436517	A	T	STX18
4	4440183	T	G	STX18
4	5016883	G	A	CYTL1
4	5448429	A	G	STK32B
4	5578101	G	C	EVC2
4	5624670	T	C	EVC2
4	5624705	C	T	EVC2
4	5630349	C	T	EVC2
4	5630442	A	G	EVC2
4	5642327	T	C	EVC2
4	5642347	G	C	EVC2
4	5690902	T	C	EVC2
4	5721021	A	C	EVC
4	5721084	A	G	EVC
4	5731074	C	T	EVC
4	5733236	C	G	EVC
4	5733317	G	A	EVC
4	5743512	T	C	EVC
4	5747063	G	A	EVC
4	5754579	C	T	EVC
4	5755516	T	A	EVC
4	5755517	G	A	EVC
4	5755524	G	A	EVC
4	5755542	C	A	EVC
4	5755565	G	A	EVC
4	5758054	G	A	EVC
4	5785442	G	A	EVC

4	5795384	G	A	EVC
4	5830296	C	T	CRMP1
4	6293040	A	C	WFS1
4	6293695	G	A	WFS1
4	6302519	G	A	WFS1
4	6302889	G	A	WFS1
4	6303119	C	T	WFS1
4	6303197	G	A	WFS1
4	6303354	G	A	WFS1
4	6303974	C	T	WFS1
4	6304133	G	A	WFS1
4	6383507	G	A	PPP2R2C
4	6594947	A	C	MAN2B2
4	6596360	G	A	MAN2B2
4	6598944	C	T	MAN2B2
4	6599928	C	A	MAN2B2
4	6600012	A	G	MAN2B2
4	6606864	A	G	MAN2B2
4	6610889	G	A	MAN2B2
4	6610949	G	A	MAN2B2
4	6612871	C	T	MAN2B2
4	6616038	G	A	MAN2B2
4	6616056	C	T	MAN2B2
4	6642843	C	T	MRFAP1
4	6711260	T	G	MRFAP1L1
4	6711290	C	T	MRFAP1L1
4	6718502	C	T	BLOC1S4
4	6826228	C	G	KIAA0232
4	6864048	T	A	KIAA0232
4	6865521	C	T	KIAA0232
4	6925237	C	G	TBC1D14
4	6925553	A	G	TBC1D14
4	6925654	C	G	TBC1D14
4	7006636	G	C	TBC1D14
4	7435887	C	G	PSAPL1
4	7435901	C	T	PSAPL1
4	7436239	C	T	PSAPL1
4	7436486	C	A	PSAPL1
4	7666160	G	A	SORCS2
4	7666180	C	A	SORCS2
4	7684579	G	T	SORCS2
4	7698969	A	G	SORCS2
4	7716061	C	T	SORCS2

4	7716932	T	C	SORCS2
4	7730137	C	A	SORCS2
4	7780582	C	T	AFAP1
4	7802227	G	C	AFAP1
4	7857244	C	G	AFAP1
4	7857293	G	C	AFAP1
4	8055963	G	C	ABLIM2
4	8082472	T	C	ABLIM2
4	8220029	G	A	SH3TC1
4	8224651	G	T	SH3TC1
4	8228943	G	A	SH3TC1
4	8229850	C	T	SH3TC1
4	8230053	C	T	SH3TC1
4	8233750	A	G	SH3TC1
4	8238048	C	T	SH3TC1
4	8242483	G	A	SH3TC1
4	8293193	G	A	HTRA3
4	8390948	C	T	ACOX3
4	8416586	T	G	ACOX3
4	8416589	T	C	ACOX3
4	8417560	G	A	ACOX3
4	8465721	A	G	TRMT44
4	8467157	A	G	TRMT44
4	8469757	G	C	TRMT44
4	8469776	C	T	TRMT44
4	8469935	C	T	TRMT44
4	8472867	C	G	TRMT44
4	8588950	C	T	GPR78
4	8588986	G	A	GPR78
4	8589023	G	A	GPR78
4	8603117	A	T	CPZ
4	8605801	C	T	CPZ
4	8605841	G	A	CPZ
4	8605860	C	A	CPZ
4	8607794	A	G	CPZ
4	8609123	A	G	CPZ
4	8613762	G	T	CPZ
4	8616160	C	G	CPZ
4	8616224	C	T	CPZ
4	8620163	G	A	CPZ
4	8621172	G	A	CPZ
4	9784658	C	A	DRD5
4	9909923	G	A	SLC2A9

4	9922112	C	T	SLC2A9
4	9922130	C	T	SLC2A9
4	9922167	C	T	SLC2A9
4	9922170	C	G	SLC2A9
4	9922187	G	A	SLC2A9
4	10022981	C	T	SLC2A9
4	10027542	C	T	SLC2A9
4	10089539	T	C	WDR1
4	10099340	T	C	WDR1
4	10105567	A	G	WDR1
4	10445207	T	C	ZNF518B
4	10445441	T	C	ZNF518B
4	10446274	T	C	ZNF518B
4	10446444	G	C	ZNF518B
4	10446707	C	T	ZNF518B
4	10447640	A	G	ZNF518B
4	10447907	C	T	ZNF518B
4	10502936	G	A	CLNK
4	10543646	C	A	CLNK
4	10586571	G	A	CLNK
4	10599639	C	T	CLNK
4	13545716	G	C	NKX3
4	13545804	T	A	NKX3
4	13590380	A	G	BOD1L1
4	13600953	C	T	BOD1L1
4	13600993	T	G	BOD1L1
4	13602229	G	C	BOD1L1
4	13602329	T	A	BOD1L1
4	13603200	T	G	BOD1L1
4	13603690	C	T	BOD1L1
4	13604034	T	C	BOD1L1
4	13604182	T	C	BOD1L1
4	13605040	C	T	BOD1L1
4	13605166	T	C	BOD1L1
4	13605201	C	G	BOD1L1
4	13605304	G	A	BOD1L1
4	13606576	A	T	BOD1L1
4	13606600	C	T	BOD1L1
4	13615174	G	A	BOD1L1
4	13616129	C	T	BOD1L1
4	15482360	C	T	CC2D2A
4	15504459	T	G	CC2D2A
4	15513005	GAA	-	CC2D2A

4	15518357	A	C	CC2D2A
4	15534868	A	G	CC2D2A
4	15689069	G	T	FAM200B
4	15689208	G	A	FAM200B
4	15709192	G	A	BST1
4	15709252	G	A	BST1
4	15826583	C	T	CD38
4	15937654	G	-	FGFBP1
4	15937711	G	T	FGFBP1
4	15964349	C	A	FGFBP2
4	15964670	C	T	FGFBP2
4	16008270	C	T	PROM1
4	16019985	C	A	PROM1
4	16165070	T	C	TAPT1
4	16165136	G	A	TAPT1
4	16204188	T	G	TAPT1
4	17517095	G	A	CLRN2
4	17524570	C	G	CLRN2
4	17528602	A	T	CLRN2
4	17579155	G	C	LAP3
4	17590549	A	G	LAP3
4	17634213	A	G	FAM184B
4	17635400	T	C	FAM184B
4	17654594	G	A	FAM184B
4	17660082	C	T	FAM184B
4	17660116	G	T	FAM184B
4	17707448	C	G	FAM184B
4	17707449	C	T	FAM184B
4	17829990	G	C	NCAPG
4	17841383	A	G	NCAPG
4	17841404	G	A	NCAPG
4	17886146	A	G	LCORL
4	17910840	T	C	LCORL
4	20490564	A	G	SLIT2
4	20512137	A	G	SLIT2
4	20550697	G	A	SLIT2
4	20618734	G	A	SLIT2
4	20619178	C	T	SLIT2
4	20711349	C	T	PACRGL
4	20715142	C	G	PACRGL
4	22390167	C	T	ADGRA3
4	22404391	G	A	ADGRA3
4	22439975	C	T	ADGRA3

4	23815662	C	T	PPARGC1A
4	23886388	G	A	PPARGC1A
4	25032135	C	T	LGI2
4	25125703	C	G	SEPSECS
4	25260763	G	T	PI4K2B
4	25314478	G	C	ZCCHC4
4	25315754	G	C	ZCCHC4
4	25334930	C	A	ZCCHC4
4	25347205	A	G	ZCCHC4
4	25363901	T	A	ZCCHC4
4	25363919	C	A	ZCCHC4
4	25370764	C	-	ZCCHC4
4	25408838	G	A	ANAPC4
4	25672369	A	G	SLC34A2
4	25673284	C	T	SLC34A2
4	25675943	G	C	SLC34A2
4	25678199	A	G	SLC34A2
4	25834624	C	T	SEL1L3
4	26484904	G	A	CCKAR
4	26741578	A	G	TBC1D19
4	27019452	C	T	STIM2
4	27024524	G	A	STIM2
4	30725272	C	T	PCDH7
4	36081878	C	T	ARAP2
4	36093639	C	T	ARAP2
4	36126568	C	A	ARAP2
4	36163089	C	G	ARAP2
4	36189157	T	C	ARAP2
4	36230634	G	A	ARAP2
4	36230761	G	C	ARAP2
4	36230843	G	A	ARAP2
4	36292018	T	A	DTHD1
4	36310049	C	T	DTHD1
4	36310065	G	A	DTHD1
4	36317965	T	C	DTHD1
4	36340753	G	A	DTHD1
4	36340755	C	A	DTHD1
4	36345345	C	A	DTHD1
4	37445144	A	G	NWD2
4	37445315	C	A	NWD2
4	37445868	G	A	NWD2
4	37591783	G	A	C4orf19
4	37592044	T	C	C4orf19

4	37592075	C	T	<i>C4orf19</i>
4	37592128	G	A	<i>C4orf19</i>
4	37592236	G	A	<i>C4orf19</i>
4	37636636	C	T	<i>RELL1</i>
4	37851856	A	C	<i>PGM2</i>
4	37903756	T	C	<i>TBC1D1</i>
4	37962104	C	T	<i>PTTG2</i>
4	37962186	G	C	<i>PTTG2</i>
4	38016395	T	G	<i>TBC1D1</i>
4	38023279	G	C	<i>TBC1D1</i>
4	38054737	C	T	<i>TBC1D1</i>
4	38138856	G	A	<i>TBC1D1</i>
4	38774889	T	C	<i>TLR10</i>
4	38774898	G	A	<i>TLR10</i>
4	38774957	T	C	<i>TLR10</i>
4	38775639	G	A	<i>TLR10</i>
4	38775747	T	C	<i>TLR10</i>
4	38775794	A	G	<i>TLR10</i>
4	38776070	C	T	<i>TLR10</i>
4	38776235	A	G	<i>TLR10</i>
4	38776491	T	G	<i>TLR10</i>
4	38776925	T	C	<i>TLR10</i>
4	38798255	G	A	<i>TLR1</i>
4	38798294	T	G	<i>TLR1</i>
4	38799539	T	A	<i>TLR1</i>
4	38799710	T	C	<i>TLR1</i>
4	38800282	T	C	<i>TLR1</i>
4	38828828	G	A	<i>TLR6</i>
4	38829722	T	C	<i>TLR6</i>
4	38830116	C	T	<i>TLR6</i>
4	38830331	G	A	<i>TLR6</i>
4	38830350	A	G	<i>TLR6</i>
4	38830352	C	A	<i>TLR6</i>
4	38830736	A	G	<i>TLR6</i>
4	38879949	G	A	<i>FAM114A1</i>
4	38933859	G	A	<i>FAM114A1</i>
4	38933869	C	T	<i>FAM114A1</i>
4	38987965	C	T	<i>TMEM156</i>
4	39000305	A	G	<i>TMEM156</i>
4	39064162	A	C	<i>KLHL5</i>
4	39064240	C	A	<i>KLHL5</i>
4	39116798	A	T	<i>KLHL5</i>
4	39216240	G	A	<i>WDR19</i>

4	39254828	A	C	WDR19
4	39257474	A	G	WDR19
4	39276529	C	T	WDR19
4	39290391	G	A	RFC1
4	39308301	C	T	RFC1
4	39353047	C	T	RFC1
4	39448529	G	A	KLB
4	39448586	C	T	KLB
4	39448673	TCT	-	KLB
4	39448789	A	G	KLB
4	39450118	A	G	KLB
4	39465233	C	A	LIAS
4	39472916	G	A	LIAS
4	39506052	C	G	UGDH
4	40103767	G	T	N4BP2
4	40103817	G	A	N4BP2
4	40103986	A	G	N4BP2
4	40104739	C	A	N4BP2
4	40122313	A	T	N4BP2
4	40122453	C	T	N4BP2
4	40123790	T	G	N4BP2
4	40138676	A	G	N4BP2
4	40154465	G	A	N4BP2
4	40356041	C	T	CHRNA9
4	40356422	A	G	CHRNA9
4	40428010	T	C	RBM47
4	40428091	C	T	RBM47
4	40778162	T	G	NSUN7
4	40810663	A	G	NSUN7
4	40810690	C	A	NSUN7
4	40810747	A	G	NSUN7
4	40818179	T	C	APBB2
4	40892489	A	T	APBB2
4	41015942	A	G	APBB2
4	41615579	C	T	LIMCH1
4	41648767	G	A	LIMCH1
4	41652521	G	A	LIMCH1
4	41673604	T	C	LIMCH1
4	41983864	G	A	DCAF4L1
4	41984395	G	A	DCAF4L1
4	42003671	A	G	SLC30A9
4	42003677	C	T	SLC30A9
4	42122289	T	C	BEND4

4	42145546	TCC	-	<i>BEND4</i>
4	42145806	T	C	<i>BEND4</i>
4	42457348	T	C	<i>ATP8A1</i>
4	42487652	T	C	<i>ATP8A1</i>
4	42551048	T	C	<i>ATP8A1</i>
4	42576655	T	C	<i>ATP8A1</i>
4	42895423	C	T	<i>GRXCR1</i>
4	42895555	G	T	<i>GRXCR1</i>
4	44652030	C	T	<i>YIPF7</i>
4	44680727	C	T	<i>GUF1</i>
4	44682465	T	C	<i>GUF1</i>
4	44683156	G	T	<i>GUF1</i>
4	44688593	A	T	<i>GUF1</i>
4	44692799	AG	-	<i>GUF1</i>
4	46388119	G	A	<i>GABRA2</i>
4	46930510	C	T	<i>GABRA4</i>
4	46967058	T	C	<i>GABRA4</i>
4	47427873	C	G	<i>GABRB1</i>
4	47455086	G	A	<i>COMMD8</i>
4	47455100	T	C	<i>COMMD8</i>
4	47514685	C	T	<i>ATP10D</i>
4	47525054	T	C	<i>ATP10D</i>
4	47538044	G	A	<i>ATP10D</i>
4	47538724	TA	-	<i>ATP10D</i>
4	47548776	A	G	<i>ATP10D</i>
4	47556908	G	A	<i>ATP10D</i>
4	47560002	C	A	<i>ATP10D</i>
4	47560015	A	G	<i>ATP10D</i>
4	47570876	G	A	<i>ATP10D</i>
4	47584046	G	A	<i>ATP10D</i>
4	47593283	G	C	<i>ATP10D</i>
4	47645184	T	A	<i>CORIN</i>
4	47667064	T	C	<i>CORIN</i>
4	47808995	G	A	<i>CORIN</i>
4	47839929	C	T	<i>CORIN</i>
4	47839939	C	T	<i>CORIN</i>
4	47887633	C	T	<i>NFXL1</i>
4	47898575	G	A	<i>NFXL1</i>
4	47901476	G	A	<i>NFXL1</i>
4	47945295	C	T	<i>CNGA1</i>
4	47954624	C	T	<i>CNGA1</i>
4	48027327	G	A	<i>NIPAL1</i>
4	48037926	A	G	<i>NIPAL1</i>

4	48082095	C	T	TXK
4	48115264	C	T	TXK
4	48422240	G	A	SLAIN2
4	48502201	T	C	FRYL
4	48530238	G	T	FRYL
4	48553541	T	A	FRYL
4	48555265	T	C	FRYL
4	48559502	C	T	FRYL
4	48563497	C	T	FRYL
4	48582883	T	C	FRYL
4	48583490	C	T	FRYL
4	48859320	C	T	OCIAD1
4	48887542	C	T	OCIAD2
4	48988450	C	A	CWH43
4	49000542	C	T	CWH43
4	49005824	T	C	CWH43
4	49034670	A	-	CWH43
4	49063872	C	A	CWH43
4	52860789	TCAGATCTATC,-	-	LRRC66
4	52862163	C	G	LRRC66
4	52862305	G	T	LRRC66
4	52869526	C	T	LRRC66
4	52883382	G	T	LRRC66
4	52926666	A	T	SPATA18
4	52935998	C	T	SPATA18
4	52938243	T	C	SPATA18
4	52938265	G	A	SPATA18
4	52943061	A	G	SPATA18
4	54011526	A	G	SCFD2
4	54179825	G	T	SCFD2
4	54218834	G	A	SCFD2
4	54218924	C	A	SCFD2
4	54348009	G	A	LNx1
4	54373579	G	A	LNx1
4	55127448	G	A	PDGFRA
4	55131118	C	T	PDGFRA
4	55138648	T	C	PDGFRA
4	55139771	T	C	PDGFRA
4	55575669	G	A	KIT
4	55593431	G	A	KIT
4	55593464	A	C	KIT
4	55964925	G	A	KDR
4	55968597	G	A	KDR

4	55972029	C	T	KDR
4	55972946	A	G	KDR
4	55972974	T	A	KDR
4	55973932	A	C	KDR
4	55979558	C	T	KDR
4	56325365	G	C	CLOCK
4	56762938	G	A	EXOC1
4	56820412	G	A	CEP135
4	56831979	AAG	-	CEP135
4	56831981	G	-	CEP135
4	56874517	A	C	CEP135
4	56878116	G	A	CEP135
4	57176832	T	C	KIAA1211
4	57180407	C	G	KIAA1211
4	57180920	C	A	KIAA1211
4	57180968	G	C	KIAA1211
4	57181359	C	T	KIAA1211
4	57181629	C	T	KIAA1211
4	57181632	G	C	KIAA1211
4	57181995	C	T	KIAA1211
4	57182448	G	A	KIAA1211
4	57204777	A	C	AASDH
4	57211352	T	C	AASDH
4	57215677	G	A	AASDH
4	57215803	G	A	AASDH
4	57215969	C	T	AASDH
4	57220347	T	C	AASDH
4	57244314	C	A	AASDH
4	57244392	T	A	AASDH
4	57248659	T	C	AASDH
4	57248716	G	C	AASDH
4	57250285	T	C	AASDH
4	57273847	C	G	PPAT
4	57314764	GTACAGATAAA	-	PAICS
4	57333859	C	T	SRP72
4	57384865	G	A	ARL9
4	57516896	G	A	HOPX
4	57777171	C	G	REST
4	57796639	T	C	REST
4	57797100	G	T	REST
4	57797414	C	T	REST
4	57797467	C	T	REST
4	57829669	G	A	NOA1

4	57830655	G	A	NOA1
4	57842977	C	G	NOA1
4	62758425	C	T	ADGRL3
4	62758491	G	A	ADGRL3
4	62758596	C	T	ADGRL3
4	62761464	T	C	ADGRL3
4	62800624	A	G	ADGRL3
4	62812764	C	T	ADGRL3
4	62936092	C	A	ADGRL3
4	65147217	A	G	TECRL
4	65180463	T	C	TECRL
4	65274937	G	A	TECRL
4	66231686	C	T	EPHA5
4	66509085	T	G	EPHA5
4	68370977	A	T	CENPC
4	68380070	C	T	CENPC
4	68380215	G	A	CENPC
4	68484837	C	A	UBA6
4	68499985	T	C	UBA6
4	68606400	C	T	GNRHR
4	68619618	G	A	GNRHR
4	68619737	T	C	GNRHR
4	68780407	T	C	TMPRSS11A
4	68780409	A	G	TMPRSS11A
4	68780427	C	T	TMPRSS11A
4	68784774	T	C	TMPRSS11A
4	68810346	T	C	TMPRSS11A
4	68829109	C	T	TMPRSS11A
4	68930465	G	A	TMPRSS11F
4	68930510	A	G	TMPRSS11F
4	68934462	C	T	TMPRSS11F
4	68938049	C	T	TMPRSS11F
4	68938185	C	T	TMPRSS11F
4	68964683	G	A	TMPRSS11F
4	68995529	C	T	TMPRSS11F
4	69094507	T	A	TMPRSS11B
4	69094575	T	G	TMPRSS11B
4	70460328	C	T	UGT2A1
4	70460361	C	T	UGT2A1
4	70460944	C	A	UGT2A1
4	70504890	C	T	UGT2A2
4	70505162	G	A	UGT2A2
4	70512773	A	G	UGT2A1

4	70512787	A	T	<i>UGT2A1</i>
4	70512801	A	G	<i>UGT2A1</i>
4	70513139	C	T	<i>UGT2A1</i>
4	70513199	G	A	<i>UGT2A1</i>
4	70592915	G	A	<i>SULT1B1</i>
4	70723299	C	A	<i>SULT1E1</i>
4	70807771	C	T	<i>CSN1S1</i>
4	71024171	A	G	<i>PRR27</i>
4	71024240	C	T	<i>PRR27</i>
4	71063018	C	T	<i>ODAM</i>
4	71063801	A	G	<i>ODAM</i>
4	71068489	T	C	<i>ODAM</i>
4	71114956	G	T	<i>CSN3</i>
4	71115060	G	A	<i>CSN3</i>
4	71200799	A	G	<i>CABS1</i>
4	71201388	C	T	<i>CABS1</i>
4	71201648	T	G	<i>CABS1</i>
4	71232430	T	C	<i>SMR3A</i>
4	71255478	-	C	<i>SMR3B</i>
4	71339723	G	A	<i>MUC7</i>
4	71346700	-	C	<i>MUC7</i>
4	71346701	C	G	<i>MUC7</i>
4	71347333	C	T	<i>MUC7</i>
4	71347422	G	A	<i>MUC7</i>
4	71347486	C	G	<i>MUC7</i>
4	71384537	C	T	<i>AMTN</i>
4	71388551	A	G	<i>AMTN</i>
4	71390616	G	A	<i>AMTN</i>
4	71390647	G	A	<i>AMTN</i>
4	71469604	C	T	<i>AMBN</i>
4	71472164	T	C	<i>AMBN</i>
4	71507780	C	T	<i>ENAM</i>
4	71508324	A	T	<i>ENAM</i>
4	71508539	G	A	<i>ENAM</i>
4	71508869	T	C	<i>ENAM</i>
4	71509086	T	C	<i>ENAM</i>
4	71509906	T	-	<i>ENAM</i>
4	71510463	G	A	<i>ENAM</i>
4	71554974	C	T	<i>UTP3</i>
4	71555507	T	A	<i>UTP3</i>
4	71701950	C	T	<i>GRSF1</i>
4	71888240	C	T	<i>DCK</i>
4	72121012	G	C	<i>SLC4A4</i>

4	72215759	C	T	SLC4A4
4	72338589	A	G	SLC4A4
4	72363294	A	T	SLC4A4
4	72399974	C	T	SLC4A4
4	72433545	A	C	SLC4A4
4	72618296	T	C	GC
4	72618323	G	T	GC
4	72618334	A	C	GC
4	72622601	T	C	GC
4	72897699	G	-	NPFFR2
4	73003835	T	C	NPFFR2
4	73149106	C	T	ADAMTS3
4	73149182	G	A	ADAMTS3
4	73156678	T	C	ADAMTS3
4	73178175	T	C	ADAMTS3
4	73179445	C	T	ADAMTS3
4	73181637	G	T	ADAMTS3
4	73185600	C	T	ADAMTS3
4	73414286	C	T	ADAMTS3
4	73927571	T	C	COX18
4	73935182	G	-	COX18
4	73935184	AG	-	COX18
4	73941995	G	C	ANKRD17
4	73956957	G	C	ANKRD17
4	74124072	CCGCCTCCACC-	-	ANKRD17
4	74308089	A	C	AFP
4	74310768	C	G	AFP
4	74319538	C	G	AFP
4	74321009	T	C	AFP
4	74347531	-	T	AFM
4	74361142	G	A	AFM
4	74441969	T	C	RASSF6
4	74442349	G	C	RASSF6
4	74447930	T	C	RASSF6
4	74451073	A	G	RASSF6
4	74477529	A	G	RASSF6
4	74607285	G	T	CXCL8
4	74702809	-	T	CXCL6
4	74719089	G	T	PF4V1
4	74719783	T	A	PF4V1
4	75065541	G	A	MTHFD2L
4	75248505	G	T	EREG
4	75675841	A	T	BTC

4	75937886	G	A	PARM1
4	75937914	G	C	PARM1
4	75938108	G	A	PARM1
4	75938178	C	T	PARM1
4	75971374	C	T	PARM1
4	76452174	A	C	THAP6
4	76452233	G	A	THAP6
4	76452302	T	A	THAP6
4	76489345	C	T	C4orf26
4	76489533	T	C	C4orf26
4	76489582	G	A	C4orf26
4	76521525	C	T	CDKL2
4	76532493	A	G	CDKL2
4	76785641	G	A	PPEF2
4	76788499	T	A	PPEF2
4	76788564	C	T	PPEF2
4	76794345	T	G	PPEF2
4	76797580	C	G	PPEF2
4	76797597	C	T	PPEF2
4	76809396	G	A	PPEF2
4	76811175	G	T	PPEF2
4	76811223	A	G	PPEF2
4	76813080	C	T	PPEF2
4	76836137	A	G	NAAA
4	76857309	C	T	NAAA
4	76877285	C	G	SDAD1
4	76878836	A	G	SDAD1
4	76924756	T	C	CXCL9
4	76955914	T	C	CXCL11
4	76955947	T	A	CXCL11
4	76956244	GTT	-	CXCL11
4	76956246	T	-	CXCL11
4	77003212	T	C	ART3
4	77033590	C	T	ART3
4	77053834	T	C	NUP54
4	77100807	T	C	SCARB2
4	77177353	G	A	FAM47E
4	77177588	G	A	FAM47E
4	77192838	A	C	FAM47E
4	77201487	C	T	FAM47E
4	77204570	C	T	FAM47E
4	77230620	A	T	STBD1
4	77230621	G	A	STBD1

4	77272926	G	A	CCDC158
4	77274306	C	G	CCDC158
4	77276512	G	C	CCDC158
4	77288836	C	T	CCDC158
4	77290760	C	T	CCDC158
4	77660162	G	C	SHROOM3
4	77660239	C	T	SHROOM3
4	77660299	T	G	SHROOM3
4	77660731	C	G	SHROOM3
4	77661479	G	A	SHROOM3
4	77661636	G	C	SHROOM3
4	77661875	A	G	SHROOM3
4	77662361	C	A	SHROOM3
4	77662486	G	T	SHROOM3
4	77675505	C	T	SHROOM3
4	77675925	G	A	SHROOM3
4	77676155	G	A	SHROOM3
4	77676309	A	C	SHROOM3
4	77677646	T	A	SHROOM3
4	77677759	C	A	SHROOM3
4	77816631	T	C	SOWAHB
4	77817874	G	T	SOWAHB
4	78079695	T	G	CCNG2
4	78830434	G	C	MRPL1
4	78987157	A	G	FRAS1
4	79158715	G	C	FRAS1
4	79166478	A	T	FRAS1
4	79173616	C	G	FRAS1
4	79176444	G	A	FRAS1
4	79186216	C	T	FRAS1
4	79188584	C	T	FRAS1
4	79238620	C	T	FRAS1
4	79240063	A	G	FRAS1
4	79295312	C	T	FRAS1
4	79295319	A	C	FRAS1
4	79295322	G	A	FRAS1
4	79295378	G	A	FRAS1
4	79300993	G	A	FRAS1
4	79328846	G	T	FRAS1
4	79328847	C	T	FRAS1
4	79334160	G	T	FRAS1
4	79343055	C	T	FRAS1
4	79353587	C	G	FRAS1

4	79366891	G	A	<i>FRAS1</i>
4	79387464	A	G	<i>FRAS1</i>
4	79387555	A	G	<i>FRAS1</i>
4	79394691	A	G	<i>FRAS1</i>
4	79421055	G	A	<i>FRAS1</i>
4	79432453	G	A	<i>FRAS1</i>
4	79432474	T	C	<i>FRAS1</i>
4	79432500	C	T	<i>FRAS1</i>
4	79443837	A	T	<i>FRAS1</i>
4	79443850	G	A	<i>FRAS1</i>
4	79447763	T	C	<i>FRAS1</i>
4	79461956	T	C	<i>FRAS1</i>
4	79500235	G	A	<i>ANXA3</i>
4	79507418	C	T	<i>ANXA3</i>
4	79786856	G	A	<i>BMP2K</i>
4	79808400	A	G	<i>BMP2K</i>
4	79831847	C	T	<i>BMP2K</i>
4	79832870	A	T	<i>BMP2K</i>
4	80327886	T	C	<i>GK2</i>
4	80327982	C	T	<i>GK2</i>
4	80905990	C	G	<i>ANTXR2</i>
4	81188221	G	T	<i>FGF5</i>
4	81196158	C	T	<i>FGF5</i>
4	81207686	-	AGC	<i>FGF5</i>
4	81884722	G	A	<i>C4orf22</i>
4	81952637	T	A	<i>BMP3</i>
4	81967102	A	T	<i>BMP3</i>
4	81967239	A	G	<i>BMP3</i>
4	82096035	C	T	<i>PRKG2</i>
4	82126134	G	C	<i>PRKG2</i>
4	82126173	T	C	<i>PRKG2</i>
4	82355804	C	T	<i>RASGEF1B</i>
4	82368723	T	C	<i>RASGEF1B</i>
4	83406740	G	A	<i>TMEM150C</i>
4	83582064	G	T	<i>SCD5</i>
4	83601977	A	C	<i>SCD5</i>
4	83748617	C	T	<i>SEC31A</i>
4	83765605	C	A	<i>SEC31A</i>
4	83838217	G	A	<i>THAP9</i>
4	83839328	A	C	<i>THAP9</i>
4	83867599	G	C	<i>LIN54</i>
4	83970472	-	A	<i>COPS4</i>
4	83996469	G	A	<i>COPS4</i>

4	84205748	C	G	COQ2
4	84222157	A	C	HPSE
4	84230619	T	C	HPSE
4	84361071	G	A	HELQ
4	84374480	C	T	HELQ
4	84374692	A	G	HELQ
4	84376741	G	A	HELQ
4	84376743	A	T	HELQ
4	84383735	C	T	FAM175A
4	84502831	G	A	GPAT3
4	84508448	G	A	GPAT3
4	84509367	A	G	GPAT3
4	84518066	G	C	GPAT3
4	84519828	G	A	GPAT3
4	85525421	G	C	CDS1
4	85530633	G	T	CDS1
4	85564210	A	G	CDS1
4	85612894	T	C	WDFY3
4	85676433	T	C	WDFY3
4	85678252	A	C	WDFY3
4	86643057	G	A	ARHGAP24
4	86852097	G	T	ARHGAP24
4	86863243	A	T	ARHGAP24
4	86916056	C	G	ARHGAP24
4	87622503	T	G	PTPN13
4	87622624	G	A	PTPN13
4	87637748	A	G	PTPN13
4	87638213	G	A	PTPN13
4	87643478	G	C	PTPN13
4	87653856	G	T	PTPN13
4	87662871	G	A	PTPN13
4	87666225	A	G	PTPN13
4	87672235	G	T	PTPN13
4	87674183	G	A	PTPN13
4	87684111	A	G	PTPN13
4	87684148	G	T	PTPN13
4	87685796	T	G	PTPN13
4	87690998	A	G	PTPN13
4	87692393	G	A	PTPN13
4	87693959	G	A	PTPN13
4	87706506	T	G	PTPN13
4	87730980	C	T	PTPN13
4	87732221	G	A	PTPN13

4	87732228	G	T	<i>PTPN13</i>
4	87809020	C	G	<i>C4orf36</i>
4	87809025	T	C	<i>C4orf36</i>
4	87809387	G	T	<i>C4orf36</i>
4	88035907	C	T	<i>AFF1</i>
4	88036116	G	A	<i>AFF1</i>
4	88036146	C	T	<i>AFF1</i>
4	88047328	C	T	<i>AFF1</i>
4	88085192	C	T	<i>KLHL8</i>
4	88116637	T	C	<i>KLHL8</i>
4	88231429	G	A	<i>HSD17B13</i>
4	88235068	G	C	<i>HSD17B13</i>
4	88243948	A	T	<i>HSD17B13</i>
4	88261712	G	A	<i>HSD17B11</i>
4	88344154	C	A	<i>NUDT9</i>
4	88412806	T	C	<i>SPARCL1</i>
4	88415636	G	C	<i>SPARCL1</i>
4	88416188	G	T	<i>SPARCL1</i>
4	88533540	A	T	<i>DSPP</i>
4	88534029	C	A	<i>DSPP</i>
4	88534065	G	A	<i>DSPP</i>
4	88534140	G	T	<i>DSPP</i>
4	88534398	C	T	<i>DSPP</i>
4	88535073	T	C	<i>DSPP</i>
4	88583135	A	T	<i>DMP1</i>
4	88583405	C	A	<i>DMP1</i>
4	88583745	G	A	<i>DMP1</i>
4	88583774	C	A	<i>DMP1</i>
4	88583873	G	C	<i>DMP1</i>
4	88584318	A	G	<i>DMP1</i>
4	88584363	A	C	<i>DMP1</i>
4	88732692	G	A	<i>IBSP</i>
4	88732746	A	G	<i>IBSP</i>
4	88732763	A	G	<i>IBSP</i>
4	88732874	A	G	<i>IBSP</i>
4	88732911	C	T	<i>IBSP</i>
4	88732918	A	T	<i>IBSP</i>
4	88732968	G	A	<i>IBSP</i>
4	88901197	G	A	<i>SPP1</i>
4	88901249	T	C	<i>SPP1</i>
4	88903899	C	T	<i>SPP1</i>
4	88957446	G	A	<i>PKD2</i>
4	88967919	T	G	<i>PKD2</i>

4	88989111	G	A	<i>PKD2</i>
4	89013496	C	T	<i>ABCG2</i>
4	89018670	C	T	<i>ABCG2</i>
4	89034589	C	T	<i>ABCG2</i>
4	89052323	G	T	<i>ABCG2</i>
4	89300101	A	G	<i>HERC6</i>
4	89306659	T	C	<i>HERC6</i>
4	89311962	T	C	<i>HERC6</i>
4	89319296	T	C	<i>HERC6</i>
4	89338691	A	G	<i>HERC6</i>
4	89352378	T	C	<i>HERC6</i>
4	89352440	A	C	<i>HERC6</i>
4	89358080	A	C	<i>HERC6</i>
4	89380540	A	G	<i>HERC5</i>
4	89397091	A	G	<i>HERC5</i>
4	89425507	G	A	<i>HERC5</i>
4	89442924	G	C	<i>PIGY</i>
4	89444737	G	C	<i>PYURF</i>
4	89618759	ACCAGCCGCG(-		<i>NAP1L5</i>
4	89625388	A	T	<i>HERC3</i>
4	89668859	C	T	<i>FAM13A</i>
4	89772301	C	A	<i>FAM13A</i>
4	89772321	C	T	<i>FAM13A</i>
4	89950787	G	A	<i>FAM13A</i>
4	90035063	A	G	<i>TIGD2</i>
4	90035348	C	A	<i>TIGD2</i>
4	90035549	A	G	<i>TIGD2</i>
4	90169025	C	T	<i>GPRIN3</i>
4	90169658	G	T	<i>GPRIN3</i>
4	90169684	G	C	<i>GPRIN3</i>
4	90169776	C	A	<i>GPRIN3</i>
4	90169925	A	G	<i>GPRIN3</i>
4	90170094	G	A	<i>GPRIN3</i>
4	90170118	A	G	<i>GPRIN3</i>
4	90171060	C	A	<i>GPRIN3</i>
4	90171113	G	A	<i>GPRIN3</i>
4	90171147	G	C	<i>GPRIN3</i>
4	90816361	A	C	<i>MMRN1</i>
4	90833153	G	A	<i>MMRN1</i>
4	90856377	G	T	<i>MMRN1</i>
4	90857479	G	A	<i>MMRN1</i>
4	90857520	C	A	<i>MMRN1</i>
4	90857846	ATC	-	<i>MMRN1</i>

4	90872862	C	A	MMRN1
4	91229455	G	A	CCSER1
4	91229617	G	C	CCSER1
4	91230480	T	A	CCSER1
4	91230579	G	A	CCSER1
4	91234118	C	T	CCSER1
4	92007129	T	C	CCSER1
4	93511396	C	T	GRID2
4	94344042	G	A	GRID2
4	94693546	T	A	GRID2
4	94750491	C	G	ATOH1
4	95170839	G	A	SMARCAD1
4	95173928	C	T	SMARCAD1
4	95197608	C	T	SMARCAD1
4	95220672	C	T	HPGDS
4	95223349	A	G	HPGDS
4	95229850	T	C	HPGDS
4	95376504	A	G	PDLIM5
4	95444963	C	A	PDLIM5
4	95496882	C	T	PDLIM5
4	95539267	G	A	PDLIM5
4	95561459	A	G	PDLIM5
4	95578588	G	A	PDLIM5
4	95578650	C	T	PDLIM5
4	95583657	A	G	PDLIM5
4	95585202	A	G	PDLIM5
4	96025586	G	A	BMPR1B
4	96051098	G	A	BMPR1B
4	96069934	G	A	BMPR1B
4	96091414	C	T	UNC5C
4	96106245	C	T	UNC5C
4	96106322	A	G	UNC5C
4	96127874	G	A	UNC5C
4	96163631	C	T	UNC5C
4	96256588	C	G	UNC5C
4	96761363	T	A	PDHA2
4	98633911	A	G	STPG2
4	99027184	T	C	STPG2
4	99055502	G	A	STPG2
4	99273704	G	A	RAP1GDS1
4	99978930	T	A	METAP1
4	99997920	C	A	ADH5
4	100045616	C	T	ADH4

4	100048414	T	C	<i>ADH4</i>
4	100052818	C	A	<i>ADH4</i>
4	100140306	A	T	<i>ADH6</i>
4	100239284	T	A	<i>ADH1B</i>
4	100341839	T	C	<i>ADH7</i>
4	100349135	C	T	<i>ADH7</i>
4	100349669	C	G	<i>ADH7</i>
4	100443782	T	C	<i>C4orf17</i>
4	100451039	C	-	<i>C4orf17</i>
4	100451041	GGGATGACAAC-		<i>C4orf17</i>
4	100463237	G	A	<i>C4orf17</i>
4	100503136	C	G	<i>MTTP</i>
4	100504575	G	C	<i>MTTP</i>
4	100504664	T	C	<i>MTTP</i>
4	100510903	A	G	<i>MTTP</i>
4	100512392	G	A	<i>MTTP</i>
4	100512919	C	G	<i>MTTP</i>
4	100516022	C	G	<i>MTTP</i>
4	100521805	A	C	<i>MTTP</i>
4	100532602	G	A	<i>MTTP</i>
4	100542308	G	C	<i>MTTP</i>
4	100845956	C	T	<i>DNAJB14</i>
4	101108876	T	-	<i>DDIT4L</i>
4	101108877	T	C	<i>DDIT4L</i>
4	101108934	G	A	<i>DDIT4L</i>
4	101386643	C	T	<i>EMCN</i>
4	101401162	AAC	-	<i>EMCN</i>
4	102751014	G	C	<i>BANK1</i>
4	102751076	G	A	<i>BANK1</i>
4	102816467	C	G	<i>BANK1</i>
4	102839287	G	A	<i>BANK1</i>
4	102951333	G	A	<i>BANK1</i>
4	102965043	T	C	<i>BANK1</i>
4	103184239	G	A	<i>SLC39A8</i>
4	103188709	C	T	<i>SLC39A8</i>
4	103225569	G	C	<i>SLC39A8</i>
4	103518700	A	G	<i>NFKB1</i>
4	103527745	G	T	<i>NFKB1</i>
4	103553372	C	T	<i>MANBA</i>
4	103557077	G	A	<i>MANBA</i>
4	103611845	C	T	<i>MANBA</i>
4	103952869	G	C	<i>SLC9B2</i>
4	103964529	A	C	<i>SLC9B2</i>

4	103966054	C	T	<i>SLC9B2</i>
4	103971481	C	G	<i>SLC9B2</i>
4	104044197	G	C	<i>CENPE</i>
4	104059542	G	A	<i>CENPE</i>
4	104060947	C	G	<i>CENPE</i>
4	104061993	C	G	<i>CENPE</i>
4	104066273	T	G	<i>CENPE</i>
4	104067195	T	C	<i>CENPE</i>
4	104070041	G	A	<i>CENPE</i>
4	104510892	C	T	<i>TACR3</i>
4	104577382	T	C	<i>TACR3</i>
4	106155185	C	G	<i>TET2</i>
4	106155199	C	T	<i>TET2</i>
4	106155620	C	A	<i>TET2</i>
4	106155751	G	A	<i>TET2</i>
4	106156163	G	A	<i>TET2</i>
4	106156187	C	T	<i>TET2</i>
4	106157698	T	C	<i>TET2</i>
4	106196770	G	A	<i>TET2</i>
4	106196819	G	T	<i>TET2</i>
4	106196829	T	G	<i>TET2</i>
4	106196834	C	T	<i>TET2</i>
4	106197552	C	T	<i>TET2</i>
4	106317429	C	G	<i>PPA2</i>
4	106359121	C	T	<i>PPA2</i>
4	106395144	T	C	<i>PPA2</i>
4	106474097	G	T	<i>ARHGEF38</i>
4	106510452	C	A	<i>ARHGEF38</i>
4	106510470	A	G	<i>ARHGEF38</i>
4	106604164	C	A	<i>INTS12</i>
4	106604435	C	T	<i>INTS12</i>
4	106639176	T	A	<i>GSTCD</i>
4	106859549	G	C	<i>NPNT</i>
4	106861730	A	G	<i>NPNT</i>
4	106863842	C	T	<i>NPNT</i>
4	106888468	C	T	<i>NPNT</i>
4	107016742	G	A	<i>TBCK</i>
4	107156462	C	T	<i>TBCK</i>
4	107157623	G	A	<i>TBCK</i>
4	107163667	T	A	<i>TBCK</i>
4	107165879	A	G	<i>TBCK</i>
4	107168431	G	C	<i>TBCK</i>
4	107181616	C	T	<i>TBCK</i>

4	107845794	C	T	<i>DKK2</i>
4	107847043	C	G	<i>DKK2</i>
4	108552883	G	A	<i>PAPSS1</i>
4	108566131	G	A	<i>PAPSS1</i>
4	108575955	G	A	<i>PAPSS1</i>
4	108853107	C	T	<i>CYP2U1</i>
4	108868556	G	T	<i>CYP2U1</i>
4	108931039	T	C	<i>HADH</i>
4	108935600	T	G	<i>HADH</i>
4	108940732	G	T	<i>HADH</i>
4	108948850	C	A	<i>HADH</i>
4	108953487	C	G	<i>HADH</i>
4	109004600	T	G	<i>LEF1</i>
4	109010339	C	A	<i>LEF1</i>
4	109086280	C	T	<i>LEF1</i>
4	109667954	G	A	<i>ETNPPL</i>
4	109674116	A	G	<i>ETNPPL</i>
4	109745254	A	G	<i>COL25A1</i>
4	109863370	C	T	<i>COL25A1</i>
4	110384603	T	C	<i>SEC24B</i>
4	110451520	C	T	<i>SEC24B</i>
4	110581363	T	A	<i>CCDC109B</i>
4	110605744	A	T	<i>CCDC109B</i>
4	110638824	C	T	<i>PLA2G12A</i>
4	110662144	G	A	<i>CFI</i>
4	110667485	T	C	<i>CFI</i>
4	110681527	C	T	<i>CFI</i>
4	110737403	A	T	<i>GAR1</i>
4	110758673	A	G	<i>RRH</i>
4	110765244	G	A	<i>RRH</i>
4	110765315	G	A	<i>RRH</i>
4	110772874	C	G	<i>LRIT3</i>
4	110772922	G	T	<i>LRIT3</i>
4	110773067	G	A	<i>LRIT3</i>
4	110773108	C	T	<i>LRIT3</i>
4	110790911	A	T	<i>LRIT3</i>
4	110791088	TCT	-	<i>LRIT3</i>
4	110791361	G	A	<i>LRIT3</i>
4	110791413	C	T	<i>LRIT3</i>
4	110791526	A	G	<i>LRIT3</i>
4	110791655	CTT	-	<i>LRIT3</i>
4	110865150	G	C	<i>EGF</i>
4	110883121	G	A	<i>EGF</i>

4	110890274	G	A	<i>EGF</i>
4	110901198	G	A	<i>EGF</i>
4	110902111	A	T	<i>EGF</i>
4	110908933	T	C	<i>EGF</i>
4	110914427	A	T	<i>EGF</i>
4	111398047	G	T	<i>ENPEP</i>
4	111409705	T	C	<i>ENPEP</i>
4	111431444	G	A	<i>ENPEP</i>
4	111434572	G	A	<i>ENPEP</i>
4	111470904	G	T	<i>ENPEP</i>
4	111539694	C	T	<i>PITX2</i>
4	113186198	C	T	<i>AP1AR</i>
4	113303632	A	G	<i>ALPK1</i>
4	113345147	A	G	<i>ALPK1</i>
4	113351850	A	G	<i>ALPK1</i>
4	113352075	A	G	<i>ALPK1</i>
4	113352397	G	A	<i>ALPK1</i>
4	113352628	A	G	<i>ALPK1</i>
4	113352745	G	A	<i>ALPK1</i>
4	113352832	C	T	<i>ALPK1</i>
4	113352899	G	A	<i>ALPK1</i>
4	113353285	T	C	<i>ALPK1</i>
4	113353311	G	A	<i>ALPK1</i>
4	113353321	G	T	<i>ALPK1</i>
4	113353433	A	C	<i>ALPK1</i>
4	113353449	A	G	<i>ALPK1</i>
4	113359702	G	A	<i>ALPK1</i>
4	113479316	C	T	<i>ZGRF1</i>
4	113482146	G	A	<i>ZGRF1</i>
4	113505203	A	G	<i>ZGRF1</i>
4	113506711	C	T	<i>ZGRF1</i>
4	113508648	TCTG	-	<i>ZGRF1</i>
4	113524723	G	A	<i>ZGRF1</i>
4	113539391	A	G	<i>ZGRF1</i>
4	113539969	T	C	<i>ZGRF1</i>
4	113541332	A	C	<i>ZGRF1</i>
4	113544993	G	T	<i>ZGRF1</i>
4	113565887	AAG	-	<i>LARP7</i>
4	113568544	G	A	<i>LARP7</i>
4	114170990	G	A	<i>ANK2</i>
4	114214679	CAC	-	<i>ANK2</i>
4	114269433	A	G	<i>ANK2</i>
4	114274519	G	A	<i>ANK2</i>

4	114276880	T	C	ANK2
4	114278128	C	T	ANK2
4	114278277	C	T	ANK2
4	114279674	C	A	ANK2
4	114286207	T	A	ANK2
4	114294462	C	T	ANK2
4	114294537	G	A	ANK2
4	114458513	G	T	CAMK2D
4	114823698	C	T	ARSJ
4	114823986	C	T	ARSJ
4	115544713	C	T	UGT8
4	115589302	A	G	UGT8
4	115792021	T	C	NDST4
4	115898360	C	G	NDST4
4	118975269	G	A	NDST3
4	119059317	A	G	NDST3
4	119203330	G	A	PRSS12
4	119219909	C	A	PRSS12
4	119259449	C	T	PRSS12
4	119661921	T	G	SEC24D
4	119673889	G	A	SEC24D
4	119736701	G	A	SEC24D
4	119745842	G	T	SEC24D
4	119948046	A	C	SYNPO2
4	119951647	A	G	SYNPO2
4	119952955	C	T	SYNPO2
4	119978796	C	T	SYNPO2
4	120107298	A	G	MYOZ2
4	120169906	A	T	USP53
4	120170027	C	T	USP53
4	120177489	A	G	USP53
4	120192525	A	T	USP53
4	120192864	C	T	USP53
4	120214030	T	G	USP53
4	120241902	T	C	FABP2
4	120419806	G	A	PDE5A
4	120423809	A	G	PDE5A
4	120427058	C	T	PDE5A
4	120484068	A	C	PDE5A
4	120528064	A	C	PDE5A
4	120528327	G	A	PDE5A
4	121719497	G	T	PRDM5
4	121719544	A	T	PRDM5

4	121739667	T	A	<i>PRDM5</i>
4	121958524	G	C	<i>NDNF</i>
4	121961159	G	A	<i>NDNF</i>
4	122068316	T	G	<i>TNIP3</i>
4	122078300	TCTCTGCCTGT-		<i>TNIP3</i>
4	122078304	T	-	<i>TNIP3</i>
4	122078349	G	C	<i>TNIP3</i>
4	122250654	G	A	<i>QRFPR</i>
4	122250734	A	G	<i>QRFPR</i>
4	122254003	T	C	<i>QRFPR</i>
4	122254078	A	C	<i>QRFPR</i>
4	122301595	C	A	<i>QRFPR</i>
4	122301597	A	C	<i>QRFPR</i>
4	122301622	A	C	<i>QRFPR</i>
4	122301703	G	A	<i>QRFPR</i>
4	122301736	C	G	<i>QRFPR</i>
4	122590824	A	G	<i>ANXA5</i>
4	122591155	C	T	<i>ANXA5</i>
4	122604562	G	C	<i>ANXA5</i>
4	122604580	A	G	<i>ANXA5</i>
4	122682720	C	T	<i>TMEM155</i>
4	122682779	T	A	<i>TMEM155</i>
4	122683007	G	A	<i>TMEM155</i>
4	122735142	A	G	<i>EXOSC9</i>
4	122737965	G	C	<i>EXOSC9</i>
4	122742217	T	C	<i>CCNA2</i>
4	122744650	C	A	<i>CCNA2</i>
4	122765152	T	C	<i>BBS7</i>
4	122835964	T	A	<i>TRPC3</i>
4	123113428	A	G	<i>KIAA1109</i>
4	123150286	T	C	<i>KIAA1109</i>
4	123160682	A	G	<i>KIAA1109</i>
4	123167847	T	C	<i>KIAA1109</i>
4	123171659	T	A	<i>KIAA1109</i>
4	123179900	C	T	<i>KIAA1109</i>
4	123192240	A	C	<i>KIAA1109</i>
4	123202746	A	G	<i>KIAA1109</i>
4	123207867	T	G	<i>KIAA1109</i>
4	123249392	C	T	<i>KIAA1109</i>
4	123252539	C	T	<i>KIAA1109</i>
4	123268859	A	G	<i>KIAA1109</i>
4	123277001	A	G	<i>KIAA1109</i>
4	123302249	G	A	<i>ADAD1</i>

4	123302255	A	G	ADAD1
4	123664204	G	A	BBS12
4	123664446	G	A	BBS12
4	123814143	G	A	NUDT6
4	123814164	G	A	NUDT6
4	123814308	C	T	NUDT6
4	123838758	A	G	NUDT6
4	123843673	C	G	NUDT6
4	123844377	G	C	SPATA5
4	123855513	T	C	SPATA5
4	123855792	A	G	SPATA5
4	123949389	G	C	SPATA5
4	123949435	G	A	SPATA5
4	124322832	A	G	SPRY1
4	125593332	G	A	ANKRD50
4	126238090	G	T	FAT4
4	126238305	C	A	FAT4
4	126238924	A	T	FAT4
4	126239986	C	T	FAT4
4	126240968	A	T	FAT4
4	126241224	T	A	FAT4
4	126241248	C	G	FAT4
4	126241335	C	G	FAT4
4	126336105	A	G	FAT4
4	126367606	G	T	FAT4
4	126370186	A	T	FAT4
4	126371814	C	T	FAT4
4	126372742	G	A	FAT4
4	126372975	A	C	FAT4
4	126389831	C	T	FAT4
4	126400922	C	T	FAT4
4	126412106	C	G	FAT4
4	126412154	G	A	FAT4
4	126412634	C	G	FAT4
4	126412891	C	T	FAT4
4	128595296	A	T	INTU
4	128608927	G	A	INTU
4	128627927	T	G	INTU
4	128628100	A	C	INTU
4	128632210	T	C	INTU
4	128651703	G	T	SLC25A31
4	128651726	A	G	SLC25A31
4	128694557	G	A	SLC25A31

4	128722347	G	A	<i>HSPA4L</i>
4	128723042	T	C	<i>HSPA4L</i>
4	128741611	T	C	<i>HSPA4L</i>
4	128741710	T	C	<i>HSPA4L</i>
4	128748467	G	A	<i>HSPA4L</i>
4	128802306	G	A	<i>PLK4</i>
4	128807219	T	A	<i>PLK4</i>
4	128807475	C	T	<i>PLK4</i>
4	128811117	G	C	<i>PLK4</i>
4	128814964	G	T	<i>PLK4</i>
4	128842761	G	A	<i>MFSD8</i>
4	128843111	C	G	<i>MFSD8</i>
4	128910966	G	A	<i>ABHD18</i>
4	128949799	C	T	<i>ABHD18</i>
4	128949850	A	G	<i>ABHD18</i>
4	128949929	C	A	<i>ABHD18</i>
4	129099645	A	G	<i>LARP1B</i>
4	129100643	G	A	<i>LARP1B</i>
4	129208629	T	C	<i>PGRMC2</i>
4	129792810	G	A	<i>JADE1</i>
4	129792873	A	G	<i>JADE1</i>
4	129793242	C	T	<i>JADE1</i>
4	129867280	T	A	<i>SCLT1</i>
4	129869706	C	T	<i>SCLT1</i>
4	129878265	C	G	<i>SCLT1</i>
4	129891542	C	A	<i>SCLT1</i>
4	129925010	A	T	<i>SCLT1</i>
4	130023884	G	T	<i>C4orf33</i>
4	130027763	A	G	<i>C4orf33</i>
4	130030644	C	T	<i>C4orf33</i>
4	130030652	A	G	<i>C4orf33</i>
4	130032843	A	G	<i>C4orf33</i>
4	134073706	T	C	<i>PCDH10</i>
4	135121066	T	G	<i>PABPC4L</i>
4	135121183	C	T	<i>PABPC4L</i>
4	138442527	T	C	<i>PCDH18</i>
4	138451397	G	A	<i>PCDH18</i>
4	139093119	A	T	<i>SLC7A11</i>
4	139104414	T	C	<i>SLC7A11</i>
4	139106315	A	G	<i>SLC7A11</i>
4	139144395	T	C	<i>SLC7A11</i>
4	139964437	A	G	<i>NOCT</i>
4	139965859	A	G	<i>NOCT</i>

4	139981622	C	T	<i>ELF2</i>
4	139993175	G	A	<i>ELF2</i>
4	140058849	A	T	<i>ELF2</i>
4	140187985	G	A	<i>MGARP</i>
4	140188094	C	T	<i>MGARP</i>
4	140394120	C	T	<i>RAB33B</i>
4	140439162	G	A	<i>SETD7</i>
4	140444512	C	T	<i>SETD7</i>
4	140450287	C	T	<i>SETD7</i>
4	140624656	T	C	<i>MGST2</i>
4	140640527	G	A	<i>MAML3</i>
4	140640703	G	T	<i>MAML3</i>
4	140640704	G	A	<i>MAML3</i>
4	140640804	C	T	<i>MAML3</i>
4	140811292	C	T	<i>MAML3</i>
4	140811451	G	A	<i>MAML3</i>
4	140811463	G	A	<i>MAML3</i>
4	141294756	C	G	<i>SCOC</i>
4	141315152	T	G	<i>CLGN</i>
4	141317068	G	A	<i>CLGN</i>
4	141320021	C	T	<i>CLGN</i>
4	141320081	G	A	<i>CLGN</i>
4	141323162	C	A	<i>CLGN</i>
4	141446698	T	G	<i>ELMOD2</i>
4	141461350	A	C	<i>ELMOD2</i>
4	141483471	T	A	<i>UCP1</i>
4	141484496	C	T	<i>UCP1</i>
4	141489068	C	T	<i>UCP1</i>
4	141549463	C	T	<i>TBC1D9</i>
4	141832316	C	T	<i>RNF150</i>
4	142053778	C	T	<i>RNF150</i>
4	142053791	CGG	-	<i>RNF150</i>
4	142143607	A	G	<i>ZNF330</i>
4	143044445	T	C	<i>INPP4B</i>
4	143045772	G	A	<i>INPP4B</i>
4	143045853	A	G	<i>INPP4B</i>
4	143067053	C	T	<i>INPP4B</i>
4	144359490	C	T	<i>GAB1</i>
4	144920596	G	A	<i>GYPB</i>
4	145035851	C	T	<i>GYPA</i>
4	145580830	G	A	<i>HHIP</i>
4	145916666	A	C	<i>ANAPC10</i>
4	146058934	G	C	<i>OTUD4</i>

4	146063471	C	T	OTUD4
4	146077123	CAG	-	OTUD4
4	146077132	C	T	OTUD4
4	146576418	G	C	MMAA
4	146824205	G	A	ZNF827
4	147179909	C	T	SLC10A7
4	147560411	T	C	POU4F2
4	147754995	C	T	TTC29
4	147788709	C	T	TTC29
4	147830297	A	G	TTC29
4	148560193	C	T	PRMT9
4	148589711	G	A	PRMT9
4	148778794	C	T	ARHGAP10
4	148834245	G	A	ARHGAP10
4	148984321	A	G	ARHGAP10
4	148985592	G	A	ARHGAP10
4	149075755	C	T	NR3C2
4	149357475	C	T	NR3C2
4	151141918	A	C	DCLK2
4	151177172	A	C	DCLK2
4	151186882	G	A	LRBA
4	151207127	C	T	LRBA
4	151242409	T	G	LRBA
4	151520216	G	A	LRBA
4	151791682	T	C	LRBA
4	151793903	T	C	LRBA
4	151829580	T	C	LRBA
4	152069075	A	G	SH3D19
4	152096013	G	A	SH3D19
4	152201018	-	CAGGT	PRSS48
4	152201053	G	A	PRSS48
4	152203451	C	G	PRSS48
4	152212486	C	T	PRSS48
4	152499143	G	A	FAM160A1
4	152550918	A	G	FAM160A1
4	152577960	A	G	FAM160A1
4	152583764	C	G	FAM160A1
4	152637229	G	A	GATB
4	152682046	G	T	GATB
4	153332605	CTC	-	FBXW7
4	153562095	G	A	TMEM154
4	153573692	G	A	TMEM154
4	153690842	T	C	TIGD4

4	153691747	T	G	<i>TIGD4</i>
4	153791955	G	C	<i>ARFIP1</i>
4	153802203	A	G	<i>ARFIP1</i>
4	153864355	G	A	<i>FHDC1</i>
4	153874666	G	A	<i>FHDC1</i>
4	153896053	G	A	<i>FHDC1</i>
4	153896358	C	T	<i>FHDC1</i>
4	153897690	A	G	<i>FHDC1</i>
4	153897775	C	A	<i>FHDC1</i>
4	154191578	G	A	<i>TRIM2</i>
4	154318381	C	G	<i>MND1</i>
4	154388363	C	T	<i>KIAA0922</i>
4	154504740	G	A	<i>KIAA0922</i>
4	154513627	A	G	<i>KIAA0922</i>
4	154514965	T	C	<i>KIAA0922</i>
4	154514973	A	T	<i>KIAA0922</i>
4	154519764	A	G	<i>KIAA0922</i>
4	154525138	A	G	<i>KIAA0922</i>
4	154525541	A	G	<i>KIAA0922</i>
4	154533506	C	G	<i>KIAA0922</i>
4	154541935	C	T	<i>KIAA0922</i>
4	154548809	G	C	<i>KIAA0922</i>
4	154557616	C	T	<i>KIAA0922</i>
4	154624709	T	C	<i>TLR2</i>
4	154624857	G	C	<i>TLR2</i>
4	154625726	T	C	<i>TLR2</i>
4	154626317	G	A	<i>TLR2</i>
4	154631543	A	T	<i>RNF175</i>
4	154631563	T	C	<i>RNF175</i>
4	154631587	C	G	<i>RNF175</i>
4	154631634	G	A	<i>RNF175</i>
4	154644537	T	C	<i>RNF175</i>
4	154644542	G	A	<i>RNF175</i>
4	154669846	G	A	<i>RNF175</i>
4	154669859	C	T	<i>RNF175</i>
4	154669886	C	G	<i>RNF175</i>
4	154709854	G	A	<i>SFRP2</i>
4	155156412	G	A	<i>DCHS2</i>
4	155156542	G	A	<i>DCHS2</i>
4	155156598	G	A	<i>DCHS2</i>
4	155156887	T	A	<i>DCHS2</i>
4	155157015	T	C	<i>DCHS2</i>
4	155157531	C	T	<i>DCHS2</i>

4	155158010	A	T	<i>DCHS2</i>
4	155158090	A	C	<i>DCHS2</i>
4	155160424	-	C	<i>DCHS2</i>
4	155160429	A	G	<i>DCHS2</i>
4	155219318	C	G	<i>DCHS2</i>
4	155219318	C	T	<i>DCHS2</i>
4	155219467	C	T	<i>DCHS2</i>
4	155219540	C	A	<i>DCHS2</i>
4	155219549	T	G	<i>DCHS2</i>
4	155219662	G	C	<i>DCHS2</i>
4	155226252	G	A	<i>DCHS2</i>
4	155241572	G	A	<i>DCHS2</i>
4	155241735	C	T	<i>DCHS2</i>
4	155243604	T	C	<i>DCHS2</i>
4	155249289	G	A	<i>DCHS2</i>
4	155250701	G	C	<i>DCHS2</i>
4	155254540	G	C	<i>DCHS2</i>
4	155256205	G	A	<i>DCHS2</i>
4	155287535	T	C	<i>DCHS2</i>
4	155295076	A	G	<i>DCHS2</i>
4	155410650	T	C	<i>DCHS2</i>
4	155410667	G	A	<i>DCHS2</i>
4	155410710	C	T	<i>DCHS2</i>
4	155411234	C	A	<i>DCHS2</i>
4	155411450	G	T	<i>DCHS2</i>
4	155411883	G	A	<i>DCHS2</i>
4	155411939	A	C	<i>DCHS2</i>
4	155411948	C	A	<i>DCHS2</i>
4	155412141	C	A	<i>DCHS2</i>
4	155412444	G	A	<i>DCHS2</i>
4	155467291	A	T	<i>PLRG1</i>
4	155489608	C	T	<i>FGB</i>
4	155491759	G	A	<i>FGB</i>
4	155530877	C	T	<i>FGG</i>
4	155533035	G	C	<i>FGG</i>
4	155533337	G	A	<i>FGG</i>
4	155665881	G	T	<i>LRAT</i>
4	155719189	T	G	<i>RBM46</i>
4	156273778	TTTATC	-	<i>MAP9</i>
4	156274377	T	C	<i>MAP9</i>
4	156276986	G	A	<i>MAP9</i>
4	156283212	C	T	<i>MAP9</i>
4	156289787	A	G	<i>MAP9</i>

4	156289803	G	T	MAP9
4	156289917	G	A	MAP9
4	156296996	C	G	MAP9
4	156618176	A	G	GUCY1A3
4	156698677	T	A	GUCY1B3
4	156724843	G	A	GUCY1B3
4	156787368	G	A	ASIC5
4	156831299	A	G	TDO2
4	156832715	A	C	TDO2
4	156839352	G	A	TDO2
4	157891943	T	C	PDGFC
4	157891963	C	A	PDGFC
4	158242671	T	G	GRIA2
4	159048692	T	C	FAM198B
4	159076944	G	A	FAM198B
4	159136408	T	-	TMEM144
4	159161483	A	T	TMEM144
4	159566240	A	T	RXFP1
4	159601676	C	T	ETFDH
4	159606337	G	A	ETFDH
4	159631991	G	T	PPID
4	159636830	C	T	PPID
4	159638248	AT	-	PPID
4	159642576	G	A	PPID
4	159789403	G	C	FNIP2
4	159789441	C	A	FNIP2
4	159789686	G	A	FNIP2
4	159790010	G	A	FNIP2
4	159836336	G	A	C4orf45
4	159836437	A	G	C4orf45
4	159836467	C	T	C4orf45
4	159894250	C	T	C4orf45
4	159894277	T	C	C4orf45
4	159894305	T	C	C4orf45
4	159894311	A	G	C4orf45
4	159894391	G	A	C4orf45
4	160244653	A	G	RAPGEF2
4	162307000	T	C	FSTL5
4	162307312	C	A	FSTL5
4	162421268	A	G	FSTL5
4	162697058	C	T	FSTL5
4	163032498	C	G	FSTL5
4	164054373	T	G	NAF1

4	164085425	T	C	<i>NAF1</i>
4	164087797	G	A	<i>NAF1</i>
4	164246489	T	G	<i>NPY1R</i>
4	164247375	G	A	<i>NPY1R</i>
4	164393117	T	A	<i>TKTL2</i>
4	164394698	GTCT	-	<i>TKTL2</i>
4	164435265	A	C	<i>TMA16</i>
4	164436580	C	T	<i>TMA16</i>
4	164440581	T	C	<i>TMA16</i>
4	165118221	C	T	<i>ANP32C</i>
4	165118253	T	C	<i>ANP32C</i>
4	165118446	A	G	<i>ANP32C</i>
4	165118652	C	T	<i>ANP32C</i>
4	165878335	A	G	<i>FAM218A</i>
4	165962270	G	A	<i>TRIM60</i>
4	166258981	A	G	<i>MSMO1</i>
4	166261451	G	A	<i>MSMO1</i>
4	166300588	C	T	<i>CPE</i>
4	166416765	C	T	<i>CPE</i>
4	166795123	G	C	<i>TLL1</i>
4	167020555	G	A	<i>TLL1</i>
4	168155178	A	G	<i>SPOCK3</i>
4	169060675	C	T	<i>ANXA10</i>
4	169060721	T	C	<i>ANXA10</i>
4	169083694	A	C	<i>ANXA10</i>
4	169146815	C	T	<i>DDX60</i>
4	169188780	T	C	<i>DDX60</i>
4	169196609	C	T	<i>DDX60</i>
4	169208334	C	T	<i>DDX60</i>
4	169214981	C	T	<i>DDX60</i>
4	169227787	T	C	<i>DDX60</i>
4	169282355	T	C	<i>DDX60L</i>
4	169299528	T	C	<i>DDX60L</i>
4	169300618	G	T	<i>DDX60L</i>
4	169300938	C	T	<i>DDX60L</i>
4	169315760	C	A	<i>DDX60L</i>
4	169325233	T	A	<i>DDX60L</i>
4	169341435	A	G	<i>DDX60L</i>
4	169343044	A	G	<i>DDX60L</i>
4	169348229	C	T	<i>DDX60L</i>
4	169348404	C	T	<i>DDX60L</i>
4	169353717	C	T	<i>DDX60L</i>
4	169362557	C	G	<i>DDX60L</i>

4	169369862	A	T	<i>DDX60L</i>
4	169369920	C	T	<i>DDX60L</i>
4	169433326	T	C	<i>PALLD</i>
4	169433327	G	A	<i>PALLD</i>
4	169433419	G	A	<i>PALLD</i>
4	169589341	A	T	<i>PALLD</i>
4	169606648	A	T	<i>PALLD</i>
4	169606649	C	A	<i>PALLD</i>
4	169611812	G	A	<i>PALLD</i>
4	169632959	C	T	<i>PALLD</i>
4	169819786	T	C	<i>PALLD</i>
4	169928842	G	T	<i>CBR4</i>
4	170037572	G	A	<i>SH3RF1</i>
4	170043324	CAG	-	<i>SH3RF1</i>
4	170077770	C	G	<i>SH3RF1</i>
4	170190188	C	A	<i>SH3RF1</i>
4	170398454	T	C	<i>NEK1</i>
4	170398474	A	C	<i>NEK1</i>
4	170400556	C	T	<i>NEK1</i>
4	170428901	C	T	<i>NEK1</i>
4	170483347	C	T	<i>NEK1</i>
4	170506525	C	T	<i>NEK1</i>
4	170641112	G	A	<i>CLCN3</i>
4	170658879	T	C	<i>C4orf27</i>
4	170663235	C	T	<i>C4orf27</i>
4	170671841	C	G	<i>C4orf27</i>
4	170990375	C	T	<i>AADAT</i>
4	174090089	C	T	<i>GALNT7</i>
4	174090107	A	G	<i>GALNT7</i>
4	174219273	T	A	<i>GALNT7</i>
4	174235304	C	A	<i>GALNT7</i>
4	175180938	T	C	<i>FBXO8</i>
4	175225452	G	A	<i>CEP44</i>
4	175229859	G	A	<i>CEP44</i>
4	175416764	C	T	<i>HPGD</i>
4	175564987	C	T	<i>GLRA3</i>
4	175896869	A	T	<i>ADAM29</i>
4	175898929	TCCTCAGGTGA-		<i>ADAM29</i>
4	175899021	T	C	<i>ADAM29</i>
4	175899072	TGACACCCTCC-		<i>ADAM29</i>
4	177046446	G	T	<i>WDR17</i>
4	177046455	G	A	<i>WDR17</i>
4	177049982	A	G	<i>WDR17</i>

4	177056356	T	C	WDR17
4	177061070	G	C	WDR17
4	177069285	A	G	WDR17
4	177073026	G	A	WDR17
4	177082069	G	C	WDR17
4	177082099	C	T	WDR17
4	177083272	G	A	WDR17
4	177089839	C	G	WDR17
4	177095773	G	A	WDR17
4	177098285	G	A	WDR17
4	177100644	G	A	WDR17
4	177106010	TCTC	-	SPATA4
4	177114620	CA	-	SPATA4
4	177605082	TCA	-	VEGFC
4	177650866	C	T	VEGFC
4	178231219	C	T	NEIL3
4	178256913	C	G	NEIL3
4	178257364	G	C	NEIL3
4	178262784	A	G	NEIL3
4	178272607	C	T	NEIL3
4	178272608	G	A	NEIL3
4	178274750	C	T	NEIL3
4	178274835	A	C	NEIL3
4	178281754	G	A	NEIL3
4	178283446	G	T	NEIL3
4	178359960	G	C	AGA
4	178360811	G	T	AGA
4	178363496	C	A	AGA
4	183245255	G	A	TENM3
4	183601819	G	C	TENM3
4	183609367	C	T	TENM3
4	183651357	G	T	TENM3
4	183713487	C	T	TENM3
4	183714507	C	T	TENM3
4	183836148	T	C	DCTD
4	184182125	G	A	WWC2
4	184190210	T	C	WWC2
4	184190233	G	T	WWC2
4	184192278	G	T	WWC2
4	184203886	G	C	WWC2
4	184204010	A	G	WWC2
4	184205430	C	T	WWC2
4	184236868	G	A	WWC2

4	184367559	CTG	-	CDKN2AIP
4	184585165	G	C	TRAPPC11
4	184587424	G	C	TRAPPC11
4	184612553	G	C	TRAPPC11
4	184614210	C	G	TRAPPC11
4	184614232	C	G	TRAPPC11
4	184615117	A	C	TRAPPC11
4	184618936	G	C	TRAPPC11
4	184930646	G	A	STOX2
4	184930710	G	A	STOX2
4	184931431	G	C	STOX2
4	184932332	G	A	STOX2
4	185033947	T	A	ENPP6
4	185038161	C	T	ENPP6
4	185074832	G	T	ENPP6
4	185350161	T	A	IRF2
4	185556561	T	C	CASP3
4	185582954	T	C	PRIMPOL
4	185587165	A	G	PRIMPOL
4	185599394	A	G	PRIMPOL
4	185615764	C	A	PRIMPOL
4	185634144	T	C	CENPU
4	185637699	A	G	CENPU
4	185655171	C	T	CENPU
4	185655192	G	C	CENPU
4	185940952	C	G	HELT
4	186111639	T	C	CFAP97
4	186112208	G	T	CFAP97
4	186180187	C	T	SNX25
4	186241986	G	A	SNX25
4	186283092	C	T	SNX25
4	186283185	C	T	SNX25
4	186318414	T	G	ANKRD37
4	186339620	T	C	UFSP2
4	186353337	G	A	C4orf47
4	186366178	G	-	C4orf47
4	186366181	G	A	C4orf47
4	186379899	G	C	CCDC110
4	186379955	G	T	CCDC110
4	186380243	A	C	CCDC110
4	186380515	G	A	CCDC110
4	186380822	T	C	CCDC110
4	186380846	A	T	CCDC110

4	186381059	G	A	CCDC110
4	186381115	G	T	CCDC110
4	186544311	T	C	SORBS2
4	186583330	A	G	SORBS2
4	187003729	C	G	TLR3
4	187004074	C	T	TLR3
4	187074833	A	G	FAM149A
4	187077234	G	A	FAM149A
4	187078745	A	G	FAM149A
4	187078785	A	G	FAM149A
4	187088248	C	T	FAM149A
4	187088399	G	T	FAM149A
4	187093124	T	C	FAM149A
4	187118692	G	A	CYP4V2
4	187120211	C	A	CYP4V2
4	187130349	G	A	CYP4V2
4	187158034	G	A	KLKB1
4	187172386	C	T	KLKB1
4	187172931	G	A	KLKB1
4	187175753	A	C	KLKB1
4	187178437	G	A	KLKB1
4	187178473	G	A	KLKB1
4	187195347	G	T	F11
4	187201219	A	T	F11
4	187201412	T	C	F11
4	187454894	T	A	MTNR1A
4	187455099	G	A	MTNR1A
4	187455399	C	T	MTNR1A
4	187476335	C	A	MTNR1A
4	187509931	C	T	FAT1
4	187518041	T	C	FAT1
4	187518072	G	A	FAT1
4	187518916	T	G	FAT1
4	187524525	C	T	FAT1
4	187525020	A	C	FAT1
4	187532810	A	T	FAT1
4	187538942	T	A	FAT1
4	187539588	T	C	FAT1
4	187540610	G	A	FAT1
4	187540635	T	G	FAT1
4	187541728	A	C	FAT1
4	187542755	T	C	FAT1
4	187549364	G	A	FAT1

4	187549428	C	T	FAT1
4	187557893	T	C	FAT1
4	187557908	C	T	FAT1
4	187557962	T	C	FAT1
4	187584530	G	A	FAT1
4	187584587	A	G	FAT1
4	187584660	T	G	FAT1
4	187627792	T	C	FAT1
4	187628341	G	A	FAT1
4	187628398	C	G	FAT1
4	187628419	C	T	FAT1
4	187628556	T	C	FAT1
4	187629076	C	T	FAT1
4	187629538	C	T	FAT1
4	187629770	A	C	FAT1
4	187630099	C	T	FAT1
4	187630590	G	A	FAT1
4	187630597	C	G	FAT1
4	187630905	C	T	FAT1
4	188924050	G	A	ZFP42
4	188924523	A	G	ZFP42
4	188924713	G	A	ZFP42
4	189012660	T	C	TRIML2
4	189012861	G	A	TRIML2
4	189060803	T	A	TRIML1
5	140532	T	C	PLEKHG4B
5	140591	A	G	PLEKHG4B
5	140636	G	A	PLEKHG4B
5	140781	G	A	PLEKHG4B
5	143197	G	A	PLEKHG4B
5	143249	G	C	PLEKHG4B
5	143534	G	A	PLEKHG4B
5	161923	T	C	PLEKHG4B
5	174106	G	A	PLEKHG4B
5	181730	C	G	PLEKHG4B
5	182254	G	T	PLEKHG4B
5	192467	G	A	LRRC14B
5	192473	G	C	LRRC14B
5	195125	C	T	LRRC14B
5	205939	C	T	CCDC127
5	434146	C	T	AHRR
5	434546	C	T	AHRR
5	434581	C	G	AHRR

5	434722	G	C	AHRR
5	434869	A	G	AHRR
5	446384	C	T	EXOC3
5	453976	G	A	EXOC3
5	475104	A	G	SLC9A3
5	476716	G	A	SLC9A3
5	477508	C	T	SLC9A3
5	637637	A	G	CEP72
5	639231	C	A	CEP72
5	825280	C	T	ZDHHC11
5	825286	G	T	ZDHHC11
5	886744	C	T	BRD9
5	891310	C	T	BRD9
5	891400	T	C	BRD9
5	1034875	T	A	NKD2
5	1035519	G	A	NKD2
5	1038075	C	T	NKD2
5	1038088	C	T	NKD2
5	1065514	A	G	SLC12A7
5	1073873	C	T	SLC12A7
5	1078124	-	GCAG	SLC12A7
5	1078832	C	T	SLC12A7
5	1081767	C	T	SLC12A7
5	1083937	G	A	SLC12A7
5	1085534	C	A	SLC12A7
5	1212453	G	A	SLC6A19
5	1213668	G	A	SLC6A19
5	1225687	C	T	SLC6A18
5	1232408	G	A	SLC6A18
5	1232468	G	A	SLC6A18
5	1235744	G	A	SLC6A18
5	1240757	C	G	SLC6A18
5	1244425	C	T	SLC6A18
5	1244478	G	A	SLC6A18
5	1293767	G	A	TERT
5	1318491	G	A	CLPTM1L
5	1325874	C	T	CLPTM1L
5	1335280	G	A	CLPTM1L
5	1338078	C	T	CLPTM1L
5	1344848	A	G	CLPTM1L
5	1403128	G	A	SLC6A3
5	1432733	G	A	SLC6A3
5	1463855	G	A	LPCAT1

5	1494935	T	C	LPCAT1
5	1799001	T	G	MRPL36
5	1878325	C	T	IRX4
5	1879669	C	-	IRX4
5	1879669	CCT	-	IRX4
5	1880891	C	T	IRX4
5	5146335	C	G	ADAMTS16
5	5146377	T	C	ADAMTS16
5	5146395	A	G	ADAMTS16
5	5182286	C	T	ADAMTS16
5	5186252	C	A	ADAMTS16
5	5239309	G	A	ADAMTS16
5	5303788	C	T	ADAMTS16
5	5318307	C	T	ADAMTS16
5	5441314	A	G	ICE1
5	5460619	G	C	ICE1
5	5462148	G	A	ICE1
5	5462607	A	G	ICE1
5	5463777	A	G	ICE1
5	5464533	C	A	ICE1
5	6600200	C	T	NSUN2
5	6623335	G	A	NSUN2
5	7520881	G	T	ADCY2
5	7757647	C	G	ADCY2
5	7826853	G	A	ADCY2
5	7832056	A	T	C5orf49
5	7835555	C	G	C5orf49
5	7862987	C	T	FASTKD3
5	7866821	T	C	FASTKD3
5	7867478	ATA	-	FASTKD3
5	7868030	T	C	FASTKD3
5	7870973	A	G	MTRR
5	7878179	C	T	MTRR
5	7878424	T	A	MTRR
5	7885959	A	G	MTRR
5	7886760	TGT	-	MTRR
5	7889304	C	T	MTRR
5	7891506	C	G	MTRR
5	7892937	A	G	MTRR
5	7897191	C	T	MTRR
5	7900056	A	G	MTRR
5	9044582	G	A	SEMA5A
5	9050549	T	C	SEMA5A

5	9054313	C	T	SEMA5A
5	9066665	C	T	SEMA5A
5	9629529	G	A	TAS2R1
5	9629813	C	T	TAS2R1
5	10227711	G	A	FAM173B
5	10236693	A	G	FAM173B
5	10239261	G	A	FAM173B
5	10256172	A	T	CCT5
5	10448375	T	A	ROPN1L
5	10683642	C	T	DAP
5	13701536	T	C	DNAH5
5	13717606	C	T	DNAH5
5	13719089	G	A	DNAH5
5	13737379	G	A	DNAH5
5	13737444	G	A	DNAH5
5	13781044	G	C	DNAH5
5	13786351	C	G	DNAH5
5	13788886	C	A	DNAH5
5	13794057	C	A	DNAH5
5	13811889	C	T	DNAH5
5	13844951	C	T	DNAH5
5	13871757	G	T	DNAH5
5	13891219	A	T	DNAH5
5	13894894	T	A	DNAH5
5	13901641	A	C	DNAH5
5	13902177	A	C	DNAH5
5	13902220	T	C	DNAH5
5	13902245	G	C	DNAH5
5	13914743	A	T	DNAH5
5	13914751	C	T	DNAH5
5	13916533	A	G	DNAH5
5	13922302	C	T	DNAH5
5	13931340	C	T	DNAH5
5	13944512	A	C	DNAH5
5	14297221	A	G	TRIO
5	14474112	G	A	TRIO
5	14498254	G	A	TRIO
5	14610309	C	G	FAM105A
5	14610337	T	G	FAM105A
5	14681593	G	T	OTULIN
5	14713681	C	T	ANKH
5	14751305	C	T	ANKH
5	16481181	C	T	FAM134B

5	16572153	G	A	<i>FAM134B</i>
5	16673975	C	G	<i>MYO10</i>
5	16676247	G	A	<i>MYO10</i>
5	16682075	T	C	<i>MYO10</i>
5	16701497	C	T	<i>MYO10</i>
5	16701796	A	G	<i>MYO10</i>
5	16711087	C	T	<i>MYO10</i>
5	16769273	G	A	<i>MYO10</i>
5	16769286	G	C	<i>MYO10</i>
5	16794855	G	A	<i>MYO10</i>
5	16818218	G	A	<i>MYO10</i>
5	16877744	C	T	<i>MYO10</i>
5	17275966	C	T	<i>BASP1</i>
5	19571904	T	G	<i>CDH18</i>
5	21802485	C	A	<i>CDH12</i>
5	21817206	T	C	<i>CDH12</i>
5	22078584	C	T	<i>CDH12</i>
5	22078724	G	A	<i>CDH12</i>
5	24509749	A	C	<i>CDH10</i>
5	24537539	G	A	<i>CDH10</i>
5	26885797	T	C	<i>CDH9</i>
5	26988328	G	A	<i>CDH9</i>
5	31495479	C	A	<i>DROSHA</i>
5	31515657	G	A	<i>DROSHA</i>
5	31526874	G	A	<i>DROSHA</i>
5	31532534	G	C	<i>C5orf22</i>
5	31538369	T	C	<i>C5orf22</i>
5	31538692	A	C	<i>C5orf22</i>
5	31552895	T	A	<i>C5orf22</i>
5	31552951	G	A	<i>C5orf22</i>
5	31799522	C	T	<i>PDZD2</i>
5	32069709	G	A	<i>PDZD2</i>
5	32074252	G	A	<i>PDZD2</i>
5	32074529	C	T	<i>PDZD2</i>
5	32087326	C	A	<i>PDZD2</i>
5	32087374	A	G	<i>PDZD2</i>
5	32088875	A	T	<i>PDZD2</i>
5	32090028	G	A	<i>PDZD2</i>
5	32090294	G	A	<i>PDZD2</i>
5	32090378	A	G	<i>PDZD2</i>
5	32090399	C	T	<i>PDZD2</i>
5	32090620	G	A	<i>PDZD2</i>
5	32101231	G	A	<i>PDZD2</i>

5	32230027	G	A	MTMR12
5	32239166	T	C	MTMR12
5	32263316	C	T	MTMR12
5	32400266	A	G	ZFR
5	32403346	C	T	ZFR
5	32783096	G	A	NPR3
5	32784907	G	A	NPR3
5	32786389	A	G	NPR3
5	32786413	C	T	NPR3
5	33448792	C	A	TARS
5	33453407	G	A	TARS
5	33457501	T	C	TARS
5	33462212	G	A	TARS
5	33535060	G	A	ADAMTS12
5	33549374	G	T	ADAMTS12
5	33576602	A	G	ADAMTS12
5	33643559	A	T	ADAMTS12
5	33891894	G	A	ADAMTS12
5	33891937	G	A	ADAMTS12
5	33937637	G	-	RXFP3
5	33951693	C	G	SLC45A2
5	33954511	T	C	SLC45A2
5	33963870	C	T	SLC45A2
5	33989518	C	T	AMACR
5	33998883	A	G	AMACR
5	33998931	A	G	AMACR
5	34004707	C	T	AMACR
5	34008100	C	T	AMACR
5	34823604	G	A	RAI14
5	34840841	A	G	TTC23L
5	34911884	C	T	RAD1
5	34911914	G	C	RAD1
5	34945012	G	A	DNAJC21
5	34954770	A	G	DNAJC21
5	34998877	C	A	AGXT2
5	35013058	C	T	AGXT2
5	35033605	G	A	AGXT2
5	35037115	C	T	AGXT2
5	35039486	C	T	AGXT2
5	35065862	C	G	PRLR
5	35072685	C	T	PRLR
5	35072712	T	G	PRLR
5	35084647	T	C	PRLR

5	35641582	A	C	SPEF2
5	35641591	G	A	SPEF2
5	35646784	A	G	SPEF2
5	35659239	G	A	SPEF2
5	35667268	G	A	SPEF2
5	35670303	G	A	SPEF2
5	35691247	C	T	SPEF2
5	35692775	T	A	SPEF2
5	35705844	A	C	SPEF2
5	35709095	C	T	SPEF2
5	35709184	G	C	SPEF2
5	35727857	G	A	SPEF2
5	35759812	G	T	SPEF2
5	35779248	A	G	SPEF2
5	35779447	A	C	SPEF2
5	35793313	G	A	SPEF2
5	35795823	G	A	SPEF2
5	35806960	T	C	SPEF2
5	35861068	T	C	IL7R
5	35871190	G	A	IL7R
5	35874575	C	T	IL7R
5	35876251	A	C	IL7R
5	35876274	A	G	IL7R
5	35876449	C	T	IL7R
5	35910529	C	T	CAPSL
5	35965583	T	A	UGT3A1
5	35965970	A	C	UGT3A1
5	36035892	C	A	UGT3A2
5	36105254	C	T	LMBRD2
5	36219710	C	T	NADK2
5	36251432	A	T	RANBP3L
5	36251528	T	G	RANBP3L
5	36257582	T	G	RANBP3L
5	36268364	T	G	RANBP3L
5	36269551	G	C	RANBP3L
5	36677083	G	C	SLC1A3
5	36962301	G	A	NIPBL
5	36985303	A	G	NIPBL
5	37108520	C	T	C5orf42
5	37153871	G	T	C5orf42
5	37169221	G	A	C5orf42
5	37173930	A	C	C5orf42
5	37181017	T	C	C5orf42

5	37182954	C	T	<i>C5orf42</i>
5	37182969	T	C	<i>C5orf42</i>
5	37183490	G	T	<i>C5orf42</i>
5	37196028	C	T	<i>C5orf42</i>
5	37231096	T	C	<i>C5orf42</i>
5	37815941	C	T	<i>GDNF</i>
5	37816112	G	A	<i>GDNF</i>
5	38350643	G	A	<i>EGFLAM</i>
5	38406251	C	T	<i>EGFLAM</i>
5	38406275	G	A	<i>EGFLAM</i>
5	38406984	A	C	<i>EGFLAM</i>
5	38407060	C	T	<i>EGFLAM</i>
5	38409188	G	A	<i>EGFLAM</i>
5	38412674	C	T	<i>EGFLAM</i>
5	38425110	C	A	<i>EGFLAM</i>
5	38448454	C	A	<i>EGFLAM</i>
5	38481703	G	T	<i>LIFR</i>
5	38484890	G	A	<i>LIFR</i>
5	38485971	T	C	<i>LIFR</i>
5	38496637	C	T	<i>LIFR</i>
5	38527308	G	A	<i>LIFR</i>
5	38527391	C	T	<i>LIFR</i>
5	38528838	T	C	<i>LIFR</i>
5	38884071	T	G	<i>OSMR</i>
5	38904082	T	C	<i>OSMR</i>
5	38917669	T	A	<i>OSMR</i>
5	38919095	G	A	<i>OSMR</i>
5	38919158	G	A	<i>OSMR</i>
5	38921788	G	A	<i>OSMR</i>
5	38921864	G	A	<i>OSMR</i>
5	38933455	C	A	<i>OSMR</i>
5	38942449	G	A	<i>RICTOR</i>
5	38946608	T	C	<i>RICTOR</i>
5	38950729	T	C	<i>RICTOR</i>
5	38952340	T	C	<i>RICTOR</i>
5	38953634	G	A	<i>RICTOR</i>
5	38955796	G	A	<i>RICTOR</i>
5	38959337	G	C	<i>RICTOR</i>
5	39119723	C	A	<i>FYB</i>
5	39153562	G	A	<i>FYB</i>
5	39202118	C	A	<i>FYB</i>
5	39288885	C	T	<i>C9</i>
5	39311336	A	T	<i>C9</i>

5	39315912	T	C	C9
5	39331786	T	C	C9
5	39331894	G	A	C9
5	39342214	G	T	C9
5	39342243	T	A	C9
5	39376988	C	T	DAB2
5	39377132	G	A	DAB2
5	39377259	C	T	DAB2
5	39382773	T	C	DAB2
5	39394413	C	T	DAB2
5	40691893	G	A	PTGER4
5	40716359	G	C	TTC33
5	40841572	TT	-	CARD6
5	40841741	C	T	CARD6
5	40843493	A	T	CARD6
5	40843735	C	A	CARD6
5	40852317	A	G	CARD6
5	40852633	-	GTGC	CARD6
5	40852836	T	G	CARD6
5	40853556	C	G	CARD6
5	40854004	C	T	CARD6
5	40936541	T	C	C7
5	40955561	G	C	C7
5	40959622	C	A	C7
5	40964852	A	C	C7
5	40964885	A	T	C7
5	40964945	C	T	C7
5	40972630	G	A	C7
5	40998779	T	C	MROH2B
5	41000795	G	T	MROH2B
5	41000851	-	A	MROH2B
5	41008780	A	G	MROH2B
5	41018452	A	T	MROH2B
5	41018851	A	G	MROH2B
5	41019002	C	T	MROH2B
5	41042204	T	A	MROH2B
5	41048533	C	T	MROH2B
5	41049397	C	T	MROH2B
5	41055888	C	T	MROH2B
5	41061715	C	T	MROH2B
5	41061716	A	G	MROH2B
5	41064591	TTCATCCT	-	MROH2B
5	41064630	A	G	MROH2B

5	41067259	A	G	<i>MROH2B</i>
5	41069852	T	C	<i>MROH2B</i>
5	41149448	C	T	<i>C6</i>
5	41150035	A	G	<i>C6</i>
5	41155088	T	C	<i>C6</i>
5	41155176	C	G	<i>C6</i>
5	41161898	C	T	<i>C6</i>
5	41181565	C	G	<i>C6</i>
5	41186186	T	G	<i>C6</i>
5	41186248	A	G	<i>C6</i>
5	41195939	G	A	<i>C6</i>
5	41199959	G	T	<i>C6</i>
5	41203323	G	A	<i>C6</i>
5	41382364	C	G	<i>PLCXD3</i>
5	41862819	G	A	<i>OXCT1</i>
5	41909884	C	A	<i>C5orf51</i>
5	41912223	C	T	<i>C5orf51</i>
5	41934110	T	C	<i>FBXO4</i>
5	41941350	T	G	<i>FBXO4</i>
5	42700021	C	T	<i>GHR</i>
5	42719239	A	C	<i>GHR</i>
5	42719344	C	A	<i>GHR</i>
5	42759230	C	A	<i>CCDC152</i>
5	42797018	A	T	<i>CCDC152</i>
5	43039618	G	T	<i>ANXA2R</i>
5	43039793	T	C	<i>ANXA2R</i>
5	43174994	A	G	<i>ZNF131</i>
5	43245944	G	A	<i>NIM1K</i>
5	43280480	G	A	<i>NIM1K</i>
5	43506235	G	A	<i>C5orf34</i>
5	43509348	T	A	<i>C5orf34</i>
5	43613046	A	G	<i>NNT</i>
5	43653243	C	T	<i>NNT</i>
5	43656074	C	T	<i>NNT</i>
5	43675730	A	G	<i>NNT</i>
5	43700321	A	G	<i>NNT</i>
5	43702785	C	G	<i>NNT</i>
5	44305104	T	G	<i>FGF10</i>
5	44809162	G	C	<i>MRPS30</i>
5	44809162	G	T	<i>MRPS30</i>
5	44809369	C	T	<i>MRPS30</i>
5	44809433	-	GAGCCC	<i>MRPS30</i>
5	44809446	G	C	<i>MRPS30</i>

5	44811207	T	G	MRPS30
5	49724058	G	A	EMB
5	50125738	A	G	PARP8
5	52096889	C	A	PELO
5	52189563	A	C	ITGA1
5	52193318	A	G	ITGA1
5	52194132	G	C	ITGA1
5	52201722	C	T	ITGA1
5	52214581	G	A	ITGA1
5	52216237	A	G	ITGA1
5	52229745	T	G	ITGA1
5	52235743	C	T	ITGA1
5	52240810	A	G	ITGA1
5	52240850	C	A	ITGA1
5	52337983	G	A	ITGA2
5	52344487	A	G	ITGA2
5	52369001	C	T	ITGA2
5	52379179	A	T	ITGA2
5	52397199	G	A	MOCS2
5	52398005	T	C	MOCS2
5	52398045	C	T	MOCS2
5	52779510	G	C	FST
5	52779983	G	A	FST
5	53815560	A	C	SNX18
5	54281318	G	A	ESM1
5	54329605	G	A	GZMK
5	54410099	G	A	CDC20B
5	54423155	G	A	CDC20B
5	54439466	G	A	CDC20B
5	54459961	A	G	GPX8
5	54468450	T	C	CDC20B
5	54529165	A	G	CCNO
5	54529218	G	T	CCNO
5	54558510	G	A	DHX29
5	54593201	T	G	DHX29
5	54618191	-	AATAATGGA	SKIV2L2
5	54645455	C	G	SKIV2L2
5	54786922	G	C	PLPP1
5	54923792	T	C	SLC38A9
5	54929694	A	G	SLC38A9
5	54960673	C	G	SLC38A9
5	55075860	G	A	DDX4
5	55076956	C	A	DDX4

5	55081694	A	G	<i>DDX4</i>
5	55088580	A	G	<i>DDX4</i>
5	55168132	A	G	<i>IL31RA</i>
5	55178976	G	A	<i>IL31RA</i>
5	55206444	G	A	<i>IL31RA</i>
5	55237014	C	T	<i>IL6ST</i>
5	55248135	C	T	<i>IL6ST</i>
5	55251931	G	C	<i>IL6ST</i>
5	55256305	G	A	<i>IL6ST</i>
5	55264153	C	G	<i>IL6ST</i>
5	55272085	G	C	<i>IL6ST</i>
5	55412572	C	T	<i>ANKRD55</i>
5	55472077	G	A	<i>ANKRD55</i>
5	55828938	A	G	<i>C5orf67</i>
5	55831021	A	G	<i>C5orf67</i>
5	56155618	A	G	<i>MAP3K1</i>
5	56155672	A	G	<i>MAP3K1</i>
5	56177443	G	A	<i>MAP3K1</i>
5	56177743	G	A	<i>MAP3K1</i>
5	56207123	T	A	<i>SETD9</i>
5	56209735	A	G	<i>SETD9</i>
5	56234763	T	C	<i>MIER3</i>
5	56542226	A	G	<i>GPBP1</i>
5	56542905	A	G	<i>GPBP1</i>
5	56545386	C	T	<i>GPBP1</i>
5	56777481	T	C	<i>ACTBL2</i>
5	56778225	T	C	<i>ACTBL2</i>
5	56778235	A	C	<i>ACTBL2</i>
5	56778305	A	G	<i>ACTBL2</i>
5	56778405	C	T	<i>ACTBL2</i>
5	56778423	G	T	<i>ACTBL2</i>
5	57790693	A	T	<i>GAPT</i>
5	60083166	T	C	<i>ELOVL7</i>
5	60194107	G	T	<i>ERCC8</i>
5	60195517	C	G	<i>ERCC8</i>
5	60817228	A	G	<i>ZSWIM6</i>
5	60822115	C	T	<i>ZSWIM6</i>
5	60825947	G	A	<i>ZSWIM6</i>
5	60982790	A	T	<i>C5orf64</i>
5	60982841	G	A	<i>C5orf64</i>
5	60999768	C	T	<i>C5orf64</i>
5	61648462	T	C	<i>KIF2A</i>
5	61690403	C	A	<i>DIMT1</i>

5	61772530	A	G	IPO11
5	61772558	C	A	IPO11
5	61876773	C	T	LRRC70
5	63256547	T	G	HTR1A
5	63256888	C	A	HTR1A
5	63257465	T	C	HTR1A
5	63905068	A	G	RGS7BP
5	64097145	C	G	CWC27
5	64520165	T	C	ADAMTS6
5	64766798	G	A	ADAMTS6
5	64848334	C	T	CENPK
5	64942912	A	C	TRAPPC13
5	64956557	C	A	TRAPPC13
5	64976539	A	T	SGTB
5	65084101	A	G	NLN
5	65105886	T	G	NLN
5	65118738	C	T	NLN
5	65307924	A	G	ERBB2IP
5	65317206	C	T	ERBB2IP
5	65321311	C	T	ERBB2IP
5	65344568	T	C	ERBB2IP
5	65350279	C	T	ERBB2IP
5	65350412	G	T	ERBB2IP
5	65350481	C	T	ERBB2IP
5	65474560	A	G	SREK1
5	66055573	C	T	MAST4
5	66441069	G	A	MAST4
5	66449305	C	T	MAST4
5	66459878	G	C	MAST4
5	66460352	G	A	MAST4
5	66460390	G	A	MAST4
5	66460595	G	A	MAST4
5	66461050	CTC	-	MAST4
5	66461363	C	T	MAST4
5	66461564	A	T	MAST4
5	66461930	G	A	MAST4
5	66462325	T	A	MAST4
5	66462494	C	A	MAST4
5	66478729	A	G	CD180
5	66479875	C	-	CD180
5	66480374	G	C	CD180
5	67588148	G	A	PIK3R1
5	68413096	G	A	SLC30A5

5	68414334	G	A	SLC30A5
5	68414405	T	A	SLC30A5
5	68464027	G	C	CCNB1
5	68487643	A	T	CENPH
5	68568858	C	T	CDK7
5	68578806	G	A	CCDC125
5	68668039	A	C	RAD17
5	68715310	C	T	MARVELD2
5	68715388	C	T	MARVELD2
5	68715712	A	G	MARVELD2
5	68716110	T	A	MARVELD2
5	68804987	C	G	OCLN
5	68805372	C	T	OCLN
5	70308262	C	T	NAIP
5	70308554	C	A	NAIP
5	70751818	T	G	BDP1
5	70759923	C	T	BDP1
5	70782319	C	T	BDP1
5	70785311	C	A	BDP1
5	70798541	A	G	BDP1
5	70798553	A	T	BDP1
5	70800475	C	T	BDP1
5	70800538	G	A	BDP1
5	70805707	G	A	BDP1
5	70806457	G	A	BDP1
5	70806711	C	G	BDP1
5	70806958	G	A	BDP1
5	70809169	A	G	BDP1
5	70811909	C	A	BDP1
5	70819926	C	T	BDP1
5	70837295	A	C	BDP1
5	70858268	A	G	BDP1
5	70858342	A	G	BDP1
5	70900270	T	A	MCCC2
5	70936845	G	A	MCCC2
5	70945029	T	C	MCCC2
5	71015214	G	A	CARTPT
5	71015744	G	C	CARTPT
5	71490945	T	A	MAP1B
5	71490962	A	G	MAP1B
5	71491568	G	A	MAP1B
5	71494208	G	A	MAP1B
5	71494931	A	C	MAP1B

5	71516795	G	C	MRPS27
5	71521964	G	A	MRPS27
5	71609959	A	G	MRPS27
5	71739602	G	C	ZNF366
5	71756519	C	A	ZNF366
5	71756896	T	C	ZNF366
5	71756990	G	A	ZNF366
5	71757172	G	A	ZNF366
5	71757248	G	A	ZNF366
5	71757266	T	C	ZNF366
5	72313079	T	C	FCHO2
5	72348272	A	G	FCHO2
5	72364574	C	T	FCHO2
5	72419267	T	C	TMEM171
5	72419402	G	A	TMEM171
5	72419456	C	G	TMEM171
5	72419617	C	A	TMEM171
5	72427404	C	G	TMEM171
5	73048875	A	G	ARHGEF28
5	73072354	T	C	ARHGEF28
5	73076511	C	A	ARHGEF28
5	73128166	G	A	ARHGEF28
5	73142296	C	T	ARHGEF28
5	73144882	C	T	ARHGEF28
5	73144890	A	T	ARHGEF28
5	73148481	G	A	ARHGEF28
5	73153552	G	A	ARHGEF28
5	73153949	A	G	ARHGEF28
5	73153979	C	T	ARHGEF28
5	73163965	C	A	ARHGEF28
5	73197089	G	A	ARHGEF28
5	73205247	C	A	ARHGEF28
5	73205382	A	G	ARHGEF28
5	73205433	G	T	ARHGEF28
5	73205463	G	A	ARHGEF28
5	73207372	T	A	ARHGEF28
5	73981299	C	T	HEXB
5	73985215	A	G	HEXB
5	73992881	A	G	HEXB
5	74001089	G	A	HEXB
5	74017499	C	T	GFM2
5	74017590	G	C	GFM2
5	74018232	A	G	GFM2

5	74021847	ACTCAA	-	<i>GFM2</i>
5	74026093	C	T	<i>GFM2</i>
5	74037386	T	A	<i>GFM2</i>
5	74055209	T	C	<i>GFM2</i>
5	74059525	T	C	<i>GFM2</i>
5	74077767	C	T	<i>FAM169A</i>
5	74324548	G	A	<i>GCNT4</i>
5	74324902	C	T	<i>GCNT4</i>
5	74652199	A	G	<i>HMGCR</i>
5	74807200	G	C	<i>COL4A3BP</i>
5	74842932	G	A	<i>POLK</i>
5	74892973	A	C	<i>POLK</i>
5	74893581	G	A	<i>POLK</i>
5	74981103	C	T	<i>POC5</i>
5	74981153	G	A	<i>POC5</i>
5	74988243	C	G	<i>POC5</i>
5	75001582	A	G	<i>POC5</i>
5	75003678	T	C	<i>POC5</i>
5	75581068	C	T	<i>SV2C</i>
5	75591710	C	G	<i>SV2C</i>
5	75594743	G	A	<i>SV2C</i>
5	75596612	C	A	<i>SV2C</i>
5	75886292	G	A	<i>IQGAP2</i>
5	75906851	T	C	<i>IQGAP2</i>
5	75906923	C	A	<i>IQGAP2</i>
5	75913784	T	C	<i>F2RL2</i>
5	75914369	C	T	<i>F2RL2</i>
5	75923294	T	G	<i>IQGAP2</i>
5	75923307	A	G	<i>IQGAP2</i>
5	75932965	G	C	<i>IQGAP2</i>
5	75948650	A	G	<i>IQGAP2</i>
5	75960968	G	C	<i>IQGAP2</i>
5	75964507	C	T	<i>IQGAP2</i>
5	75996909	G	A	<i>IQGAP2</i>
5	76029192	A	G	<i>F2R</i>
5	76128909	G	A	<i>F2RL1</i>
5	76171252	A	C	<i>S100Z</i>
5	76331449	G	A	<i>AGGF1</i>
5	76359024	C	A	<i>AGGF1</i>
5	76729018	C	T	<i>WDR41</i>
5	76732209	G	T	<i>WDR41</i>
5	76758933	T	C	<i>WDR41</i>
5	76760620	C	T	<i>WDR41</i>

5	76785321	T	C	WDR41
5	76932846	G	T	OTP
5	77335015	G	T	AP3B1
5	77396836	TTC	-	AP3B1
5	77406083	G	A	AP3B1
5	77425028	A	T	AP3B1
5	77461466	C	G	AP3B1
5	77784845	C	T	LHFPL2
5	78076449	T	C	ARSB
5	78135241	C	T	ARSB
5	78181477	C	T	ARSB
5	78301172	C	T	DMGDH
5	78324352	A	G	DMGDH
5	78324361	T	C	DMGDH
5	78326750	G	C	DMGDH
5	78338202	T	C	DMGDH
5	78340149	C	T	DMGDH
5	78340223	G	A	DMGDH
5	78340286	A	G	DMGDH
5	78378644	G	T	BHMT2
5	78379069	C	T	BHMT2
5	78421959	G	A	BHMT
5	78532607	C	G	JMY
5	78573790	A	T	JMY
5	78595988	C	T	JMY
5	78610174	A	G	JMY
5	78612017	G	A	JMY
5	78981043	A	C	PAPD4
5	79024747	C	A	CMYA5
5	79024779	A	G	CMYA5
5	79025085	A	G	CMYA5
5	79025157	A	G	CMYA5
5	79025592	C	T	CMYA5
5	79025634	G	A	CMYA5
5	79026339	A	C	CMYA5
5	79026360	G	A	CMYA5
5	79026370	T	G	CMYA5
5	79026434	G	A	CMYA5
5	79026539	A	C	CMYA5
5	79027605	T	C	CMYA5
5	79027700	T	C	CMYA5
5	79027734	C	T	CMYA5
5	79028327	G	A	CMYA5

5	79028472	C	T	CMYA5
5	79028513	A	G	CMYA5
5	79028586	C	T	CMYA5
5	79028726	A	G	CMYA5
5	79029288	C	A	CMYA5
5	79029531	A	G	CMYA5
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5	79031558	G	A	CMYA5
5	79031873	C	T	CMYA5
5	79032666	C	T	CMYA5
5	79032711	G	A	CMYA5
5	79032932	A	T	CMYA5
5	79033306	A	C	CMYA5
5	79034027	G	T	CMYA5
5	79034662	C	G	CMYA5
5	79035095	G	C	CMYA5
5	79039740	A	G	CMYA5
5	79054599	C	T	CMYA5
5	79095299	A	G	CMYA5
5	79095417	C	T	CMYA5
5	79282798	G	C	MTX3
5	79286419	C	T	MTX3
5	79361265	G	C	THBS4
5	79363860	C	T	THBS4
5	79373994	G	A	THBS4
5	79378940	G	C	THBS4
5	79473173	C	T	SERINC5
5	79616059	G	A	SPZ1
5	79616083	G	C	SPZ1
5	79616278	A	G	SPZ1
5	79616544	G	A	SPZ1
5	79616573	C	A	SPZ1
5	79616936	A	C	SPZ1
5	79616938	G	A	SPZ1
5	79617198	-	A	SPZ1
5	79733155	T	G	ZFYVE16
5	79735858	A	G	ZFYVE16
5	79745469	A	G	ZFYVE16

5	79747384	A	G	ZFYVE16
5	79755260	A	G	ZFYVE16
5	79768610	C	T	ZFYVE16
5	79815658	T	C	FAM151B
5	79854826	A	G	ANKRD34B
5	79854935	T	C	ANKRD34B
5	79855372	A	G	ANKRD34B
5	79855535	A	C	ANKRD34B
5	79855674	A	T	ANKRD34B
5	80063896	C	T	MSH3
5	80109479	T	G	MSH3
5	80149981	A	G	MSH3
5	80168937	G	A	MSH3
5	80409526	T	C	RASGRF2
5	80600619	C	G	ZCCHC9
5	80626334	C	G	ACOT12
5	80631642	C	T	ACOT12
5	80736449	T	C	SSBP2
5	81354389	T	C	ATG10
5	81549216	C	T	ATG10
5	81549240	C	A	ATG10
5	81601230	T	C	ATP6AP1L
5	81608521	G	T	ATP6AP1L
5	81608561	C	T	ATP6AP1L
5	81608563	T	C	ATP6AP1L
5	82406931	T	C	XRCC4
5	82491674	T	C	XRCC4
5	82500734	G	T	XRCC4
5	82648943	G	A	XRCC4
5	82789493	G	A	VCAN
5	82808072	C	T	VCAN
5	82815170	A	G	VCAN
5	82815408	G	A	VCAN
5	82815648	T	A	VCAN
5	82816190	A	G	VCAN
5	82816284	T	C	VCAN
5	82833369	A	G	VCAN
5	82833426	A	G	VCAN
5	82835589	T	C	VCAN
5	82837631	G	T	VCAN
5	82937538	T	C	HAPLN1
5	83362312	C	G	EDIL3
5	86695274	A	G	CCNH

5	87493525	C	T	<i>TMEM161B</i>
5	87502292	G	A	<i>TMEM161B</i>
5	89769974	T	A	<i>MBLAC2</i>
5	89815108	G	T	<i>LYSMD3</i>
5	89914925	T	G	<i>ADGRV1</i>
5	89923101	G	A	<i>ADGRV1</i>
5	89923208	C	G	<i>ADGRV1</i>
5	89925039	A	C	<i>ADGRV1</i>
5	89925354	C	A	<i>ADGRV1</i>
5	89943443	G	T	<i>ADGRV1</i>
5	89943483	A	C	<i>ADGRV1</i>
5	89948189	G	A	<i>ADGRV1</i>
5	89948255	A	G	<i>ADGRV1</i>
5	89949605	C	T	<i>ADGRV1</i>
5	89979518	C	T	<i>ADGRV1</i>
5	89979523	G	T	<i>ADGRV1</i>
5	89979568	G	A	<i>ADGRV1</i>
5	89979589	G	A	<i>ADGRV1</i>
5	89979750	G	T	<i>ADGRV1</i>
5	89979871	G	A	<i>ADGRV1</i>
5	89985795	T	C	<i>ADGRV1</i>
5	89985882	A	G	<i>ADGRV1</i>
5	89988504	A	G	<i>ADGRV1</i>
5	89990155	C	T	<i>ADGRV1</i>
5	89990324	A	G	<i>ADGRV1</i>
5	89990447	G	A	<i>ADGRV1</i>
5	90000210	C	T	<i>ADGRV1</i>
5	90002053	A	G	<i>ADGRV1</i>
5	90002172	A	C	<i>ADGRV1</i>
5	90012379	G	A	<i>ADGRV1</i>
5	90016778	C	T	<i>ADGRV1</i>
5	90016871	G	A	<i>ADGRV1</i>
5	90040890	T	C	<i>ADGRV1</i>
5	90041574	T	C	<i>ADGRV1</i>
5	90055259	G	A	<i>ADGRV1</i>
5	90059270	C	A	<i>ADGRV1</i>
5	90079067	A	G	<i>ADGRV1</i>
5	90086955	G	A	<i>ADGRV1</i>
5	90103487	T	C	<i>ADGRV1</i>
5	90119324	G	A	<i>ADGRV1</i>
5	90119357	A	G	<i>ADGRV1</i>
5	90119376	C	A	<i>ADGRV1</i>
5	90151589	G	A	<i>ADGRV1</i>

5	90445884	A	G	ADGRV1
5	90445889	A	G	ADGRV1
5	90449159	T	G	ADGRV1
5	93076292	GAG	-	POU5F2
5	93722036	G	A	KIAA0825
5	93731957	C	A	KIAA0825
5	93753017	C	T	KIAA0825
5	93807265	G	A	KIAA0825
5	93807373	C	A	KIAA0825
5	93856062	C	T	KIAA0825
5	93987532	C	A	SLF1
5	93989049	G	C	SLF1
5	94024235	G	C	SLF1
5	94749757	C	T	FAM81B
5	94749787	C	T	FAM81B
5	94756010	C	T	FAM81B
5	94764366	G	A	FAM81B
5	94772540	C	T	FAM81B
5	94772571	-	C	FAM81B
5	94772576	G	A	FAM81B
5	94784082	T	C	FAM81B
5	94818202	T	C	TTC37
5	94826655	C	A	TTC37
5	94839528	C	G	TTC37
5	94927215	A	G	ARSK
5	94927243	C	T	ARSK
5	94936596	T	C	ARSK
5	94939193	A	G	ARSK
5	94957045	C	T	GPR150
5	94957181	C	G	GPR150
5	94994467	T	C	SPATA9
5	95011189	A	G	SPATA9
5	95072668	G	A	RHOBTB3
5	95091201	A	G	RHOBTB3
5	95236459	C	T	ELL2
5	95236474	G	T	ELL2
5	95278729	T	C	ELL2
5	95728898	C	G	PCSK1
5	95728974	G	C	PCSK1
5	95751785	T	C	PCSK1
5	96064890	G	A	CAST
5	96078456	A	G	CAST
5	96086334	G	C	CAST

5	96118852	G	C	ERAP1
5	96118866	C	T	ERAP1
5	96121571	CAGT	-	ERAP1
5	96122210	C	T	ERAP1
5	96124330	T	C	ERAP1
5	96129535	T	C	ERAP1
5	96129543	C	T	ERAP1
5	96130836	T	C	ERAP1
5	96139250	C	G	ERAP1
5	96139464	C	T	ERAP1
5	96219561	C	T	ERAP2
5	96222447	T	-	ERAP2
5	96228072	C	T	ERAP2
5	96231000	G	T	ERAP2
5	96231056	T	G	ERAP2
5	96245365	C	T	ERAP2
5	96314935	C	G	LNPEP
5	96322360	G	A	LNPEP
5	96341912	C	T	LNPEP
5	96350710	G	A	LNPEP
5	96363459	A	G	LNPEP
5	96478219	G	A	LIX1
5	96503378	T	C	RIOK2
5	96503523	C	T	RIOK2
5	96506959	T	C	RIOK2
5	96508943	C	T	RIOK2
5	96512920	C	T	RIOK2
5	96513471	G	C	RIOK2
5	98115646	G	T	RGMB
5	98192165	AGG	-	CHD1
5	98192268	G	A	CHD1
5	98193990	G	A	CHD1
5	98205532	T	C	CHD1
5	98228403	T	A	CHD1
5	98239582	C	T	CHD1
5	99871244	T	A	FAM174A
5	99871359	G	A	FAM174A
5	99871518	A	G	FAM174A
5	101582978	G	C	SLCO4C1
5	101631761	T	C	SLCO4C1
5	101724448	G	C	SLCO6A1
5	101724472	C	T	SLCO6A1
5	101726744	A	G	SLCO6A1

5	101735329	T	C	SLCO6A1
5	101748741	G	C	SLCO6A1
5	102203032	G	C	PAM
5	102282589	C	T	PAM
5	102285612	T	C	PAM
5	102310060	T	C	PAM
5	102338739	C	G	PAM
5	102338811	A	G	PAM
5	102433409	G	A	GIN1
5	102433434	G	A	GIN1
5	102537285	A	G	PPIP5K2
5	102537298	C	T	PPIP5K2
5	102888040	C	T	NUDT12
5	102894627	A	G	NUDT12
5	102894673	T	C	NUDT12
5	102894730	C	T	NUDT12
5	108171409	G	T	FER
5	108281909	C	G	FER
5	108672946	C	T	PJA2
5	108713984	C	T	PJA2
5	108714298	T	C	PJA2
5	109190936	CTC	-	MAN2A1
5	109760534	A	G	TMEM232
5	109954164	C	T	TMEM232
5	109963510	A	C	TMEM232
5	109973945	G	A	TMEM232
5	109973978	G	A	TMEM232
5	110002974	T	C	TMEM232
5	110092412	G	A	SLC25A46
5	110096992	A	G	SLC25A46
5	110428060	T	C	WDR36
5	110428085	C	G	WDR36
5	110432794	G	A	WDR36
5	110434448	C	T	WDR36
5	110436345	A	C	WDR36
5	110439509	A	G	WDR36
5	110441839	G	A	WDR36
5	110445979	G	A	WDR36
5	110454719	A	G	WDR36
5	110819980	C	T	CAMK4
5	110835762	C	T	STARD4
5	111311040	G	C	NREP
5	111311047	T	C	NREP

5	111311054	G	A	NREP
5	111500730	G	A	EPB41L4A
5	111504479	C	T	EPB41L4A
5	111519740	T	C	EPB41L4A
5	111519758	T	A	EPB41L4A
5	111530284	A	G	EPB41L4A
5	111540145	T	C	EPB41L4A
5	111540174	T	C	EPB41L4A
5	111545670	C	G	EPB41L4A
5	111598198	G	A	EPB41L4A
5	111601969	C	T	EPB41L4A
5	111611059	G	A	EPB41L4A
5	111616010	T	C	EPB41L4A
5	111643086	C	G	EPB41L4A
5	112174464	A	G	APC
5	112174643	A	G	APC
5	112174677	T	C	APC
5	112175211	T	A	APC
5	112175240	G	C	APC
5	112178795	G	A	APC
5	112178805	G	A	APC
5	112179153	C	G	APC
5	112179359	G	A	APC
5	112222787	C	T	REEP5
5	112312655	C	T	DGP2
5	112364689	T	A	MCC
5	112399751	C	G	MCC
5	112403779	G	A	MCC
5	112439941	T	C	MCC
5	112439993	C	T	MCC
5	112458515	T	A	MCC
5	112676256	C	T	MCC
5	112676296	C	T	MCC
5	112769530	G	C	TSSK1B
5	112769659	C	T	TSSK1B
5	112769675	C	A	TSSK1B
5	112770049	C	T	TSSK1B
5	112874834	A	T	YTHDC2
5	112889370	G	C	YTHDC2
5	112889374	G	A	YTHDC2
5	112899752	G	A	YTHDC2
5	112903383	T	G	YTHDC2
5	112920108	C	G	YTHDC2

5	112929013	T	A	YTHDC2
5	114462355	C	T	TRIM36
5	114482887	G	C	TRIM36
5	115177207	T	C	ATG12
5	115298475	T	C	LVRN
5	115298898	C	T	LVRN
5	115329529	A	G	LVRN
5	115335543	G	A	LVRN
5	115338534	A	C	LVRN
5	115341638	G	C	LVRN
5	115351065	-	A	LVRN
5	115351065	-	ATATATATATAT	LVRN
5	115351065	-	ATATATATATAT	LVRN
5	115351065	-	ATATATATATAT	LVRN
5	115351065	-	ATATATATATAT	LVRN
5	115428381	T	G	COMMD10
5	115782493	T	G	SEMA6A
5	115782611	C	G	SEMA6A
5	115782795	G	T	SEMA6A
5	115811273	C	T	SEMA6A
5	115813726	A	G	SEMA6A
5	115831176	T	C	SEMA6A
5	118264366	C	T	DTWD2
5	118451896	G	A	DMXL1
5	118454599	T	C	DMXL1
5	118468907	A	C	DMXL1
5	118469468	G	A	DMXL1
5	118480316	G	A	DMXL1
5	118484637	A	T	DMXL1
5	118485270	G	A	DMXL1
5	118500264	A	G	DMXL1
5	118502365	G	T	DMXL1
5	118506685	G	A	DMXL1
5	118513876	G	A	DMXL1
5	118529596	A	-	DMXL1
5	118529596	ATG	-	DMXL1
5	118811533	G	A	HSD17B4
5	118813182	A	T	HSD17B4
5	118850709	G	A	HSD17B4
5	118860938	T	C	HSD17B4
5	118861713	A	G	HSD17B4
5	118877660	A	G	HSD17B4
5	118969960	C	T	FAM170A

5	120021817	C	A	PRR16
5	120022006	T	C	PRR16
5	121188212	G	A	FTMT
5	121188325	G	T	FTMT
5	121309945	C	T	SRFBP1
5	121355929	G	A	SRFBP1
5	121356189	T	A	SRFBP1
5	121356223	A	G	SRFBP1
5	121356350	A	C	SRFBP1
5	121356371	T	C	SRFBP1
5	121413205	G	T	LOX
5	121413208	C	T	LOX
5	121413286	G	A	LOX
5	121487765	T	A	ZNF474
5	121487789	G	A	ZNF474
5	121487969	G	A	ZNF474
5	121488148	G	A	ZNF474
5	121488506	C	G	ZNF474
5	121488636	T	-	ZNF474
5	121488636	T	-	ZNF474
5	121739511	G	A	SNCAIP
5	121759040	A	G	SNCAIP
5	121759097	C	T	SNCAIP
5	121786359	G	A	SNCAIP
5	121786403	C	T	SNCAIP
5	121786667	G	C	SNCAIP
5	121799237	T	G	SNCAIP
5	122359589	A	G	PPIC
5	122359640	T	C	PPIC
5	122361517	C	T	PPIC
5	122364538	T	C	PPIC
5	122365083	C	-	PPIC
5	122435540	A	G	PRDM6
5	122435627	G	A	PRDM6
5	122682334	C	T	CEP120
5	122685727	C	G	CEP120
5	122714092	G	A	CEP120
5	122718736	G	C	CEP120
5	122725761	T	C	CEP120
5	122729025	C	T	CEP120
5	123980164	T	C	ZNF608
5	123982685	C	G	ZNF608
5	123983805	T	C	ZNF608

5	124080382	T	A	ZNF608
5	125802027	G	A	GRAMD3
5	125880710	T	C	ALDH7A1
5	125939409	C	T	PHAX
5	125939715	A	G	PHAX
5	125952994	A	G	PHAX
5	126253787	G	A	MARCH3
5	126732427	G	A	MEGF10
5	126755873	G	A	MEGF10
5	126860492	C	G	PRRC1
5	126860562	G	A	PRRC1
5	126993263	A	T	CTXN3
5	126993282	G	A	CTXN3
5	127609633	G	A	FBN2
5	127614491	A	G	FBN2
5	127622491	T	C	FBN2
5	127666364	T	C	FBN2
5	127668685	G	T	FBN2
5	127702112	C	T	FBN2
5	127727722	C	G	FBN2
5	127744405	C	T	FBN2
5	127744469	G	A	FBN2
5	127782297	C	T	FBN2
5	127800515	A	G	FBN2
5	127863579	G	A	FBN2
5	127873094	G	A	FBN2
5	128301885	T	G	SLC27A6
5	128301891	AAACT	-	SLC27A6
5	128301893	A	-	SLC27A6
5	128301916	A	G	SLC27A6
5	128302185	G	A	SLC27A6
5	128863471	A	G	ADAMTS19
5	129040056	A	T	ADAMTS19
5	129520679	G	A	CHSY3
5	129521126	A	G	CHSY3
5	130764699	A	T	RAPGEF6
5	131007425	G	C	FNIP1
5	131008194	T	C	FNIP1
5	131008584	C	T	FNIP1
5	131066725	C	A	FNIP1
5	131396478	C	T	IL3
5	131546032	G	C	P4HA2
5	131607096	G	A	PDLIM4

5	131607588	G	T	<i>PDLIM4</i>
5	131607721	C	T	<i>PDLIM4</i>
5	131663062	T	C	<i>SLC22A4</i>
5	131676320	C	T	<i>SLC22A4</i>
5	131722826	A	G	<i>SLC22A5</i>
5	131911535	A	C	<i>RAD50</i>
5	131915022	G	A	<i>RAD50</i>
5	131915574	C	T	<i>RAD50</i>
5	131915673	G	A	<i>RAD50</i>
5	131923673	G	T	<i>RAD50</i>
5	131923710	G	A	<i>RAD50</i>
5	131939072	G	A	<i>RAD50</i>
5	131995964	A	G	<i>IL13</i>
5	132042146	C	T	<i>KIF3A</i>
5	132097207	C	T	<i>SEPT8</i>
5	132149593	G	A	<i>SOWAHA</i>
5	132150948	T	G	<i>SOWAHA</i>
5	132197286	G	A	<i>GDF9</i>
5	132199919	G	A	<i>GDF9</i>
5	132219077	T	C	<i>AFF4</i>
5	132270203	T	A	<i>AFF4</i>
5	132387979	T	A	<i>HSPA4</i>
5	132408967	G	A	<i>HSPA4</i>
5	132437499	C	T	<i>HSPA4</i>
5	132534965	G	A	<i>FSTL4</i>
5	132535046	G	A	<i>FSTL4</i>
5	132556523	C	T	<i>FSTL4</i>
5	132560952	C	G	<i>FSTL4</i>
5	132652281	C	T	<i>FSTL4</i>
5	133295549	G	A	<i>C5orf15</i>
5	133451683	C	A	<i>TCF7</i>
5	133479316	C	G	<i>TCF7</i>
5	133481435	C	T	<i>TCF7</i>
5	133481467	G	A	<i>TCF7</i>
5	133642326	T	C	<i>CDKL3</i>
5	133644012	A	G	<i>CDKL3</i>
5	133901939	G	T	<i>JADE2</i>
5	133914474	G	A	<i>JADE2</i>
5	133914855	G	A	<i>JADE2</i>
5	133996892	C	A	<i>SEC24A</i>
5	133997162	C	T	<i>SEC24A</i>
5	134056770	C	T	<i>SEC24A</i>
5	134059261	A	G	<i>SEC24A</i>

5	134076812	G	A	CAMLG
5	134193062	C	G	C5orf24
5	134332143	G	A	CATSPER3
5	134343766	T	G	CATSPER3
5	134364518	C	G	PITX1
5	134782396	T	A	DCANP1
5	134782443	T	C	DCANP1
5	134782450	T	A	DCANP1
5	134782510	T	C	DCANP1
5	134782576	T	G	DCANP1
5	134910364	T	C	CXCL14
5	135186141	G	A	SLC25A48
5	135228165	G	A	IL9
5	135287013	C	T	LECT2
5	135287029	T	C	LECT2
5	135288632	A	G	LECT2
5	135385161	C	T	TGFB1
5	135385251	G	A	TGFB1
5	135391462	A	G	TGFB1
5	135398363	G	C	TGFB1
5	135549206	C	T	TRPC7
5	135692629	G	C	TRPC7
5	137088945	-	GCT	HNRNPA0
5	137089197	C	T	HNRNPA0
5	137206683	G	A	MYOT
5	137211606	G	C	MYOT
5	137226241	TACTT	-	PKD2L2
5	137244517	G	A	PKD2L2
5	137278682	T	C	FAM13B
5	137295445	C	T	FAM13B
5	137354665	C	T	FAM13B
5	137465138	C	T	NME5
5	137476416	T	C	BRD8
5	137481530	A	C	BRD8
5	137486640	A	T	BRD8
5	137500665	G	A	BRD8
5	137515500	C	T	KIF20A
5	137521656	A	G	KIF20A
5	137522945	C	T	KIF20A
5	137548988	G	A	CDC23
5	137621421	C	T	CDC25C
5	137625228	C	G	CDC25C
5	137665323	G	A	CDC25C

5	137717265	G	A	<i>KDM3B</i>
5	137754808	G	A	<i>KDM3B</i>
5	138147939	C	T	<i>CTNNA1</i>
5	138378394	G	A	<i>SIL1</i>
5	138715502	C	T	<i>SLC23A1</i>
5	138729513	G	A	<i>PROB1</i>
5	138738337	C	T	<i>SPATA24</i>
5	138755784	T	G	<i>DNAJC18</i>
5	138764329	G	C	<i>DNAJC18</i>
5	138856982	C	T	<i>TMEM173</i>
5	138857919	T	C	<i>TMEM173</i>
5	138857925	C	G	<i>TMEM173</i>
5	138861078	C	T	<i>TMEM173</i>
5	139193117	G	T	<i>PSD2</i>
5	139193183	C	T	<i>PSD2</i>
5	139193231	C	T	<i>PSD2</i>
5	139231255	C	T	<i>NRG2</i>
5	139235298	C	T	<i>NRG2</i>
5	139508113	A	G	<i>IGIP</i>
5	139661097	T	G	<i>PFDN1</i>
5	139725589	G	A	<i>HBEGF</i>
5	139747468	A	G	<i>SLC4A9</i>
5	139815809	C	G	<i>ANKHD1</i>
5	139930380	T	C	<i>SRA1</i>
5	139931628	-	GT	<i>SRA1</i>
5	139931629	-	G	<i>SRA1</i>
5	139931720	-	G	<i>SRA1</i>
5	139936760	G	T	<i>SRA1</i>
5	139936825	G	C	<i>SRA1</i>
5	139936980	A	G	<i>SRA1</i>
5	139938237	C	T	<i>APBB3</i>
5	139938303	G	A	<i>APBB3</i>
5	139938337	G	A	<i>APBB3</i>
5	139941228	A	G	<i>APBB3</i>
5	139942255	C	T	<i>APBB3</i>
5	139947520	G	A	<i>SLC35A4</i>
5	140023238	C	G	<i>TMCO6</i>
5	140027129	G	C	<i>NDUFA2</i>
5	140038538	T	C	<i>IK</i>
5	140048267	T	C	<i>WDR55</i>
5	140048544	C	T	<i>WDR55</i>
5	140048707	A	G	<i>WDR55</i>
5	140049180	G	A	<i>WDR55</i>

5	140057509	C	T	HARS
5	140070876	G	T	HARS
5	140076633	C	A	HARS2
5	140166686	G	C	PCDHA1
5	140168088	C	T	PCDHA1
5	140168151	G	T	PCDHA1
5	140168193	G	A	PCDHA1
5	140174969	C	G	PCDHA2
5	140181307	TGAA	-	PCDHA3
5	140181734	A	G	PCDHA3
5	140183058	G	A	PCDHA3
5	140187322	C	T	PCDHA4
5	140187692	A	G	PCDHA4
5	140201798	G	T	PCDHA5
5	140201919	G	A	PCDHA5
5	140210033	C	T	PCDHA6
5	140214995	G	A	PCDHA7
5	140215871	C	G	PCDHA7
5	140230278	C	G	PCDHA9
5	140236643	TGGAACTAC	-	PCDHA10
5	140255566	A	G	PCDHA12
5	140256870	G	T	PCDHA12
5	140262595	A	G	PCDHA13
5	140263649	C	A	PCDHA13
5	140263892	C	T	PCDHA13
5	140308281	C	T	PCDHAC1
5	140308591	C	T	PCDHAC1
5	140308664	T	G	PCDHAC1
5	140308681	C	T	PCDHAC1
5	140347696	C	T	PCDHAC2
5	140348508	T	G	PCDHAC2
5	140358559	G	A	PCDHA4
5	140362125	C	G	PCDHA4
5	140432626	C	T	PCDHB1
5	140433211	A	T	PCDHB1
5	140433389	C	G	PCDHB1
5	140474756	G	A	PCDHB2
5	140475441	A	G	PCDHB2
5	140475564	CTT	-	PCDHB2
5	140480355	A	G	PCDHB3
5	140480475	C	T	PCDHB3
5	140480658	T	C	PCDHB3
5	140480838	G	C	PCDHB3

5	140480852	G	A	PCDHB3
5	140482620	G	C	PCDHB3
5	140502343	C	T	PCDHB4
5	140502344	C	T	PCDHB4
5	140502433	G	C	PCDHB4
5	140515483	T	C	PCDHB5
5	140529938	G	A	PCDHB6
5	140530529	G	A	PCDHB6
5	140530877	A	T	PCDHB6
5	140530973	G	A	PCDHB6
5	140532165	G	A	PCDHB6
5	140552585	G	C	PCDHB7
5	140552774	G	A	PCDHB7
5	140552975	G	A	PCDHB7
5	140553483	T	C	PCDHB7
5	140553581	G	C	PCDHB7
5	140558345	G	C	PCDHB8
5	140558528	A	G	PCDHB8
5	140558580	C	T	PCDHB8
5	140559849	G	A	PCDHB8
5	140559914	T	A	PCDHB8
5	140559914	T	C	PCDHB8
5	140562739	G	A	PCDHB16
5	140563158	G	C	PCDHB16
5	140563173	G	T	PCDHB16
5	140563377	G	C	PCDHB16
5	140572513	G	T	PCDHB10
5	140572538	C	T	PCDHB10
5	140579358	A	G	PCDHB11
5	140579367	G	A	PCDHB11
5	140579574	A	G	PCDHB11
5	140579736	-	T	PCDHB11
5	140580234	A	G	PCDHB11
5	140588855	A	G	PCDHB12
5	140588918	C	T	PCDHB12
5	140603105	C	T	PCDHB14
5	140603528	A	G	PCDHB14
5	140625429	C	A	PCDHB15
5	140626117	G	C	PCDHB15
5	140682757	C	T	SLC25A2
5	140682891	A	C	SLC25A2
5	140683301	-	T	SLC25A2
5	140710705	G	A	PCDHGA1

5	140710810	G	A	PCDHGA1
5	140718566	T	C	PCDHGA2
5	140719224	G	A	PCDHGA2
5	140720954	T	C	PCDHGA2
5	140724591	G	T	PCDHGA3
5	140724888	C	G	PCDHGA3
5	140730384	G	T	PCDHGB1
5	140731022	A	G	PCDHGB1
5	140731059	C	A	PCDHGB1
5	140732220	C	A	PCDHGB1
5	140734802	G	C	PCDHGA4
5	140736554	G	A	PCDHGA4
5	140736814	G	C	PCDHGA4
5	140739779	C	G	PCDHGB2
5	140739874	G	A	PCDHGB2
5	140739898	C	G	PCDHGB2
5	140745333	C	T	PCDHGA5
5	140745356	G	T	PCDHGA5
5	140750044	T	C	PCDHGB3
5	140762993	G	A	PCDHGA7
5	140763029	A	G	PCDHGA7
5	140763278	A	G	PCDHGA7
5	140763665	A	G	PCDHGA7
5	140768269	T	G	PCDHGB4
5	140768844	C	T	PCDHGB4
5	140769576	A	G	PCDHGB4
5	140772427	T	G	PCDHGA8
5	140772679	C	T	PCDHGA8
5	140772736	T	C	PCDHGA8
5	140773111	A	G	PCDHGA8
5	140773719	G	A	PCDHGA8
5	140773738	C	T	PCDHGA8
5	140773812	G	A	PCDHGA8
5	140773888	C	G	PCDHGA8
5	140774391	G	C	PCDHGA8
5	140774689	T	C	PCDHGA8
5	140778256	G	A	PCDHGB5
5	140778760	G	A	PCDHGB5
5	140779354	A	C	PCDHGB5
5	140783285	C	T	PCDHGA9
5	140783490	G	T	PCDHGA9
5	140783873	T	C	PCDHGA9
5	140788107	C	T	PCDHGB6

5	140788592	G	T	<i>PCDHGB6</i>
5	140789933	G	A	<i>PCDHGB6</i>
5	140790021	C	T	<i>PCDHGB6</i>
5	140795128	T	C	<i>PCDHGA10</i>
5	140797827	G	A	<i>PCDHGB7</i>
5	140798377	A	G	<i>PCDHGB7</i>
5	140798639	G	C	<i>PCDHGB7</i>
5	140799449	T	A	<i>PCDHGB7</i>
5	140799812	G	A	<i>PCDHGB7</i>
5	140801104	T	C	<i>PCDHGA11</i>
5	140801426	T	C	<i>PCDHGA11</i>
5	140802002	A	G	<i>PCDHGA11</i>
5	140802199	G	T	<i>PCDHGA11</i>
5	140802374	G	A	<i>PCDHGA11</i>
5	140802854	CCT	-	<i>PCDHGA11</i>
5	140811344	G	T	<i>PCDHGA12</i>
5	140811395	C	-	<i>PCDHGA12</i>
5	140865264	A	G	<i>PCDHGC4</i>
5	140866608	G	A	<i>PCDHGC4</i>
5	140866832	G	C	<i>PCDHGC4</i>
5	140867061	C	A	<i>PCDHGC4</i>
5	140867123	A	G	<i>PCDHGC4</i>
5	140869177	C	G	<i>PCDHGC5</i>
5	140870516	A	G	<i>PCDHGC5</i>
5	140953648	C	A	<i>DIAPH1</i>
5	140953681	C	T	<i>DIAPH1</i>
5	140955835	C	T	<i>DIAPH1</i>
5	141019110	C	A	<i>RELL2</i>
5	141019569	G	C	<i>RELL2</i>
5	141019830	C	G	<i>RELL2</i>
5	141025730	T	G	<i>FCHSD1</i>
5	141026182	G	T	<i>FCHSD1</i>
5	141033715	CCCCCGTGCC1-		<i>ARAP3</i>
5	141033719	C	T	<i>ARAP3</i>
5	141033719	C	-	<i>ARAP3</i>
5	141033870	T	G	<i>ARAP3</i>
5	141035325	G	A	<i>ARAP3</i>
5	141035765	T	C	<i>ARAP3</i>
5	141046035	G	C	<i>ARAP3</i>
5	141052986	C	T	<i>ARAP3</i>
5	141059158	C	G	<i>ARAP3</i>
5	141059360	G	T	<i>ARAP3</i>
5	141059855	C	T	<i>ARAP3</i>

5	141243762	C	T	<i>PCDH1</i>
5	141244356	C	T	<i>PCDH1</i>
5	141307833	T	C	<i>KIAA0141</i>
5	141309824	G	A	<i>KIAA0141</i>
5	141324966	-	GCTGCTGCTGC	<i>PCDH12</i>
5	141334838	C	T	<i>PCDH12</i>
5	141335498	C	T	<i>PCDH12</i>
5	141336264	G	T	<i>PCDH12</i>
5	141336567	T	C	<i>PCDH12</i>
5	141336635	G	A	<i>PCDH12</i>
5	141337177	G	C	<i>PCDH12</i>
5	141694021	G	T	<i>SPRY4</i>
5	141694213	T	C	<i>SPRY4</i>
5	141993631	C	T	<i>FGF1</i>
5	142779317	T	C	<i>NR3C1</i>
5	142779720	C	T	<i>NR3C1</i>
5	142780337	C	T	<i>NR3C1</i>
5	143200053	C	T	<i>HMHB1</i>
5	143539969	C	T	<i>YIPF5</i>
5	143545052	G	A	<i>YIPF5</i>
5	143549496	G	C	<i>YIPF5</i>
5	143587022	G	A	<i>KCTD16</i>
5	145197565	T	C	<i>PRELID2</i>
5	145252240	C	A	<i>GRXCR2</i>
5	145252312	G	C	<i>GRXCR2</i>
5	145252377	C	T	<i>GRXCR2</i>
5	145252378	T	C	<i>GRXCR2</i>
5	145393322	G	T	<i>SH3RF2</i>
5	145393364	C	T	<i>SH3RF2</i>
5	145435759	G	A	<i>SH3RF2</i>
5	145439647	T	C	<i>SH3RF2</i>
5	145442133	G	A	<i>SH3RF2</i>
5	145442203	G	C	<i>SH3RF2</i>
5	145483844	A	T	<i>PLAC8L1</i>
5	145499996	C	T	<i>LARS</i>
5	145503564	T	C	<i>LARS</i>
5	145508636	T	C	<i>LARS</i>
5	145508644	C	T	<i>LARS</i>
5	145509631	C	T	<i>LARS</i>
5	145551522	T	C	<i>LARS</i>
5	145613171	CCAGGTCCAGC	-	<i>RBM27</i>
5	145613171	CCAGGTCCAGC	-	<i>RBM27</i>
5	145613176	TCCAGGC	-	<i>RBM27</i>

5	145613191	G	-	<i>RBM27</i>
5	145638041	C	T	<i>RBM27</i>
5	145719938	C	G	<i>POU4F3</i>
5	145895246	G	A	<i>GPR151</i>
5	145895558	G	A	<i>GPR151</i>
5	145895596	G	T	<i>GPR151</i>
5	146658874	A	T	<i>STK32A</i>
5	146795329	T	C	<i>DPYSL3</i>
5	147040773	C	T	<i>JAKMIP2</i>
5	147207616	G	A	<i>SPINK1</i>
5	147207678	T	C	<i>SPINK1</i>
5	147286013	A	T	<i>C5orf46</i>
5	147286054	G	A	<i>C5orf46</i>
5	147466001	G	A	<i>SPINK5</i>
5	147475386	A	G	<i>SPINK5</i>
5	147475388	C	T	<i>SPINK5</i>
5	147477551	C	T	<i>SPINK5</i>
5	147480027	G	A	<i>SPINK5</i>
5	147480056	A	C	<i>SPINK5</i>
5	147480080	G	A	<i>SPINK5</i>
5	147480955	A	G	<i>SPINK5</i>
5	147484535	G	A	<i>SPINK5</i>
5	147494001	G	A	<i>SPINK5</i>
5	147498019	G	A	<i>SPINK5</i>
5	147498551	A	G	<i>SPINK5</i>
5	147499891	G	T	<i>SPINK5</i>
5	147506583	A	G	<i>SPINK5</i>
5	147506593	A	G	<i>SPINK5</i>
5	147695218	G	A	<i>SPINK7</i>
5	147788749	C	A	<i>FBXO38</i>
5	147795620	G	A	<i>FBXO38</i>
5	147805120	T	C	<i>FBXO38</i>
5	147807003	A	G	<i>FBXO38</i>
5	147818056	C	A	<i>FBXO38</i>
5	147821690	G	A	<i>FBXO38</i>
5	148206473	G	C	<i>ADRB2</i>
5	148384455	T	A	<i>SH3TC2</i>
5	148388512	C	T	<i>SH3TC2</i>
5	148422281	A	G	<i>SH3TC2</i>
5	148431777	T	C	<i>SH3TC2</i>
5	148596547	C	T	<i>ABLIM3</i>
5	148610251	G	A	<i>ABLIM3</i>
5	148618835	T	A	<i>ABLIM3</i>

5	148680717	G	A	AFAP1L1
5	148747678	G	A	PCYOX1L
5	148747902	G	C	PCYOX1L
5	148748023	C	A	PCYOX1L
5	149001551	A	C	ARHGEF37
5	149003626	G	A	ARHGEF37
5	149003627	C	T	ARHGEF37
5	149006640	C	T	ARHGEF37
5	149006726	A	C	ARHGEF37
5	149008467	C	A	ARHGEF37
5	149212298	C	A	PPARGC1B
5	149212430	G	A	PPARGC1B
5	149212471	G	A	PPARGC1B
5	149212510	C	A	PPARGC1B
5	149213060	C	A	PPARGC1B
5	149213075	G	A	PPARGC1B
5	149219653	G	A	PPARGC1B
5	149240492	C	A	PDE6A
5	149264106	G	A	PDE6A
5	149264117	T	C	PDE6A
5	149276063	T	G	PDE6A
5	149301253	G	A	PDE6A
5	149359938	C	G	SLC26A2
5	149359991	C	T	SLC26A2
5	149360630	C	T	SLC26A2
5	149360877	T	C	SLC26A2
5	149361221	A	T	SLC26A2
5	149374880	T	-	TIGD6
5	149374932	T	C	TIGD6
5	149375034	G	A	TIGD6
5	149375695	C	T	TIGD6
5	149375721	C	-	TIGD6
5	149375886	C	T	TIGD6
5	149389968	G	A	HMGXB3
5	149390148	G	A	HMGXB3
5	149391845	C	T	HMGXB3
5	149404179	G	T	HMGXB3
5	149406271	C	T	HMGXB3
5	149433888	C	G	CSF1R
5	149436930	C	T	CSF1R
5	149449827	C	T	CSF1R
5	149456964	T	A	CSF1R
5	149509394	C	T	PDGFRB

5	149509446	C	T	<i>PDGFRB</i>
5	149512407	G	A	<i>PDGFRB</i>
5	149514363	A	G	<i>PDGFRB</i>
5	149569898	A	G	<i>SLC6A7</i>
5	149585025	A	C	<i>SLC6A7</i>
5	149677373	C	T	<i>ARSI</i>
5	149740732	C	T	<i>TCOF1</i>
5	149743806	G	A	<i>TCOF1</i>
5	149751746	AGTGAGGAGG(-		<i>TCOF1</i>
5	149755362	G	A	<i>TCOF1</i>
5	149756031	C	T	<i>TCOF1</i>
5	149759201	C	T	<i>TCOF1</i>
5	149771660	T	G	<i>TCOF1</i>
5	149772280	C	G	<i>TCOF1</i>
5	149772954	T	A	<i>TCOF1</i>
5	149776067	A	G	<i>TCOF1</i>
5	149776159	A	C	<i>TCOF1</i>
5	149776232	C	T	<i>TCOF1</i>
5	149784658	A	G	<i>CD74</i>
5	149901055	G	A	<i>NDST1</i>
5	149998128	G	A	<i>SYNPO</i>
5	150028651	C	T	<i>SYNPO</i>
5	150036601	-	CGGCTCAAGCC	<i>SYNPO</i>
5	150051958	T	C	<i>MYOZ3</i>
5	150097883	G	C	<i>DCTN4</i>
5	150110239	T	C	<i>DCTN4</i>
5	150227736	G	C	<i>IRGM</i>
5	150227966	C	A	<i>IRGM</i>
5	150275179	C	T	<i>ZNF300</i>
5	150282711	TCA	-	<i>ZNF300</i>
5	150410219	C	A	<i>TNIP1</i>
5	150431808	G	T	<i>TNIP1</i>
5	150436422	C	T	<i>TNIP1</i>
5	150566985	G	T	<i>CCDC69</i>
5	150567017	A	G	<i>CCDC69</i>
5	150632832	G	A	<i>GM2A</i>
5	150639409	A	G	<i>GM2A</i>
5	150639439	A	G	<i>GM2A</i>
5	150646888	T	C	<i>GM2A</i>
5	150657130	G	T	<i>SLC36A3</i>
5	150666946	C	T	<i>SLC36A3</i>
5	150666962	G	A	<i>SLC36A3</i>
5	150675801	C	T	<i>SLC36A3</i>

5	150704946	G	A	SLC36A2
5	150715047	G	A	SLC36A2
5	150726871	TCT	-	SLC36A2
5	150858977	T	G	SLC36A1
5	150867793	A	G	SLC36A1
5	150885263	C	T	FAT2
5	150886882	G	A	FAT2
5	150887120	C	T	FAT2
5	150889652	C	T	FAT2
5	150897290	C	T	FAT2
5	150901261	C	T	FAT2
5	150901601	C	T	FAT2
5	150901613	A	G	FAT2
5	150908812	C	T	FAT2
5	150908813	G	A	FAT2
5	150921969	C	T	FAT2
5	150922080	T	C	FAT2
5	150923405	A	G	FAT2
5	150923714	T	C	FAT2
5	150924239	G	A	FAT2
5	150924962	G	A	FAT2
5	150930186	C	T	FAT2
5	150942919	A	G	FAT2
5	150942969	G	A	FAT2
5	150942985	G	T	FAT2
5	150943061	G	T	FAT2
5	150945465	G	A	FAT2
5	150945483	C	T	FAT2
5	150946436	A	G	FAT2
5	150946613	T	C	FAT2
5	150946773	G	A	FAT2
5	150947162	A	G	FAT2
5	150947282	A	T	FAT2
5	150947390	C	T	FAT2
5	150947664	C	G	FAT2
5	150947751	G	A	FAT2
5	150948224	C	T	FAT2
5	151045923	C	T	SPARC
5	151052711	C	T	SPARC
5	151202476	C	T	GLRA1
5	151771817	C	T	NMUR2
5	151771838	T	C	NMUR2
5	151771852	G	A	NMUR2

5	151771874	C	T	NMUR2
5	151775064	C	G	NMUR2
5	151784058	A	T	NMUR2
5	151784448	A	C	NMUR2
5	151784592	C	A	NMUR2
5	153381848	C	T	FAM114A2
5	153413390	C	T	FAM114A2
5	153857322	C	A	HAND1
5	154092616	C	T	LARP1
5	154173717	C	T	LARP1
5	154203082	A	G	FAXDC2
5	154203121	C	T	FAXDC2
5	154214232	C	T	FAXDC2
5	154275786	G	A	GEMIN5
5	154275840	A	G	GEMIN5
5	154278151	G	A	GEMIN5
5	154284928	T	C	GEMIN5
5	154291409	C	T	GEMIN5
5	154296632	G	C	GEMIN5
5	154394347	A	G	KIF4B
5	154394812	A	T	KIF4B
5	154394947	G	T	KIF4B
5	154394953	A	G	KIF4B
5	154395158	G	T	KIF4B
5	154395470	A	G	KIF4B
5	154395970	A	G	KIF4B
5	155935708	G	A	SGCD
5	156376703	A	G	TIMD4
5	156456715	C	T	HAVCR1
5	156479426	T	C	HAVCR1
5	156479444	TTG	-	HAVCR1
5	156479488	G	A	HAVCR1
5	156479509	A	G	HAVCR1
5	156479524	G	T	HAVCR1
5	156479558	TTGGAACAGTC-		HAVCR1
5	156479568	-	GTT	HAVCR1
5	156514189	G	A	HAVCR2
5	156514243	C	T	HAVCR2
5	156531694	G	C	HAVCR2
5	156531736	C	A	HAVCR2
5	156533730	G	A	HAVCR2
5	156533741	T	C	HAVCR2
5	156589585	A	G	FAM71B

5	156589660	C	T	<i>FAM71B</i>
5	156590155	G	A	<i>FAM71B</i>
5	156590389	A	G	<i>FAM71B</i>
5	156672796	A	T	<i>ITK</i>
5	156721863	-	C	<i>CYFIP2</i>
5	156760416	A	G	<i>CYFIP2</i>
5	156770133	C	T	<i>FNDC9</i>
5	156770153	A	G	<i>FNDC9</i>
5	156770220	G	A	<i>FNDC9</i>
5	156890174	T	C	<i>NIPAL4</i>
5	156915323	G	C	<i>ADAM19</i>
5	156917340	A	C	<i>ADAM19</i>
5	156918850	C	T	<i>ADAM19</i>
5	156923974	C	T	<i>ADAM19</i>
5	156929816	C	T	<i>ADAM19</i>
5	156936364	T	C	<i>ADAM19</i>
5	156991445	G	A	<i>ADAM19</i>
5	157053610	T	C	<i>SOX30</i>
5	157065635	C	T	<i>SOX30</i>
5	157073747	G	T	<i>SOX30</i>
5	157078632	G	A	<i>SOX30</i>
5	157098756	G	T	<i>C5orf52</i>
5	157102128	A	-	<i>C5orf52</i>
5	157102156	C	T	<i>C5orf52</i>
5	157102159	G	A	<i>C5orf52</i>
5	157102185	A	G	<i>C5orf52</i>
5	157164962	T	C	<i>THG1L</i>
5	157214820	A	G	<i>CLINT1</i>
5	157214828	A	T	<i>CLINT1</i>
5	157214868	T	C	<i>CLINT1</i>
5	158743788	C	A	<i>IL12B</i>
5	159344040	C	T	<i>ADRA1B</i>
5	159437621	C	G	<i>TTC1</i>
5	159492041	A	G	<i>TTC1</i>
5	159520013	A	C	<i>PWWP2A</i>
5	159686752	C	T	<i>CCNJL</i>
5	159820931	C	A	<i>ZBED8</i>
5	159821051	C	T	<i>ZBED8</i>
5	159822298	T	C	<i>ZBED8</i>
5	159835658	A	G	<i>SLU7</i>
5	159840935	T	A	<i>SLU7</i>
5	159840980	T	C	<i>SLU7</i>
5	160016684	A	G	<i>ATP10B</i>

5	160033864	C	T	<i>ATP10B</i>
5	160042903	G	T	<i>ATP10B</i>
5	160042905	T	C	<i>ATP10B</i>
5	160047759	C	T	<i>ATP10B</i>
5	160047828	C	T	<i>ATP10B</i>
5	160061565	C	A	<i>ATP10B</i>
5	160097496	A	G	<i>ATP10B</i>
5	160721278	C	T	<i>GABRB2</i>
5	161116672	C	T	<i>GABRA6</i>
5	161117243	A	G	<i>GABRA6</i>
5	161117338	G	A	<i>GABRA6</i>
5	161128627	C	T	<i>GABRA6</i>
5	162896650	C	T	<i>HMMR</i>
5	162896759	C	G	<i>HMMR</i>
5	162901156	G	A	<i>HMMR</i>
5	162909667	A	G	<i>HMMR</i>
5	162909716	C	T	<i>HMMR</i>
5	162945335	T	C	<i>MAT2B</i>
5	167379667	C	G	<i>TENM2</i>
5	167474474	A	G	<i>TENM2</i>
5	167489170	A	G	<i>TENM2</i>
5	167617453	C	T	<i>TENM2</i>
5	167631599	G	A	<i>TENM2</i>
5	167654983	A	G	<i>TENM2</i>
5	167675031	G	A	<i>TENM2</i>
5	167689076	C	A	<i>TENM2</i>
5	167689078	A	G	<i>TENM2</i>
5	167689123	A	G	<i>TENM2</i>
5	167835539	C	T	<i>WWC1</i>
5	167850734	G	A	<i>WWC1</i>
5	167855044	A	G	<i>WWC1</i>
5	167858371	G	T	<i>WWC1</i>
5	167858372	T	G	<i>WWC1</i>
5	167881030	GGA	-	<i>WWC1</i>
5	167913510	G	A	<i>RARS</i>
5	167929035	G	A	<i>RARS</i>
5	167933095	T	A	<i>RARS</i>
5	167933158	T	A	<i>RARS</i>
5	168093556	C	T	<i>SLIT3</i>
5	168180047	C	T	<i>SLIT3</i>
5	168180081	C	T	<i>SLIT3</i>
5	168212951	A	G	<i>SLIT3</i>
5	169015433	A	G	<i>SPDL1</i>

5	169015479	G	A	SPDL1
5	169023563	A	G	SPDL1
5	169023686	G	A	SPDL1
5	169025499	A	T	SPDL1
5	169025516	G	A	SPDL1
5	169028316	C	A	SPDL1
5	169028382	G	A	SPDL1
5	169028401	C	T	SPDL1
5	169028514	A	T	SPDL1
5	169309687	G	A	FAM196B
5	169310213	A	C	FAM196B
5	169310407	C	G	FAM196B
5	169535155	C	T	FOXI1
5	169535496	C	G	FOXI1
5	169661994	G	C	C5orf58
5	169675739	A	G	LCP2
5	169805865	C	T	KCNMB1
5	169805956	C	G	KCNMB1
5	169810796	C	T	KCNMB1
5	169812420	C	T	KCNMB1
5	170215647	G	A	GABRP
5	170238985	T	C	GABRP
5	170239112	C	A	GABRP
5	170336681	C	G	RANBP17
5	170336717	G	A	RANBP17
5	170338070	T	C	RANBP17
5	170345819	G	C	RANBP17
5	170668057	G	A	RANBP17
5	170669692	C	T	RANBP17
5	170736466	C	T	TLX3
5	170736622	G	T	TLX3
5	170738580	C	T	TLX3
5	170883733	C	T	FGF18
5	171479985	C	G	STK10
5	171520532	G	A	STK10
5	171639152	C	T	UBTD2
5	171777495	G	T	SH3PXD2B
5	172196752	A	G	DUSP1
5	172362200	G	A	ERGIC1
5	172662026	C	G	NKX2
5	172752907	C	A	STC2
5	173035296	-	TTAGGAAGTGT	BOD1
5	173035296	-	TTAGGAAGTG	BOD1

5	173036437	-	TGAACCACA	<i>BOD1</i>
5	173036437	-	TGAACCACACT	<i>BOD1</i>
5	173036437	-	TGAACCACACT	<i>BOD1</i>
5	173036437	-	TGAACCACACT	<i>BOD1</i>
5	173317206	C	A	<i>CPEB4</i>
5	173416495	G	T	<i>C5orf47</i>
5	173426709	G	T	<i>C5orf47</i>
5	173534486	C	T	<i>HMP19</i>
5	174948943	C	T	<i>SFXN1</i>
5	175111033	A	G	<i>HRH2</i>
5	175526030	A	G	<i>FAM153B</i>
5	175717216	C	T	<i>SIMC1</i>
5	175811233	C	T	<i>NOP16</i>
5	175812257	G	A	<i>NOP16</i>
5	175992370	T	C	<i>CDHR2</i>
5	176004476	T	C	<i>CDHR2</i>
5	176004680	A	C	<i>CDHR2</i>
5	176005481	G	A	<i>CDHR2</i>
5	176008539	G	A	<i>CDHR2</i>
5	176011198	A	G	<i>CDHR2</i>
5	176011444	C	T	<i>CDHR2</i>
5	176011579	T	C	<i>CDHR2</i>
5	176011984	C	T	<i>CDHR2</i>
5	176013823	C	T	<i>CDHR2</i>
5	176025761	C	T	<i>GPRIN1</i>
5	176025938	T	C	<i>GPRIN1</i>
5	176026006	G	A	<i>GPRIN1</i>
5	176026122	CAAAGACCCAC	-	<i>GPRIN1</i>
5	176026128	C	-	<i>GPRIN1</i>
5	176026136	CCTCCTTCCTC	-	<i>GPRIN1</i>
5	176072210	G	A	<i>EIF4E1B</i>
5	176072243	C	T	<i>EIF4E1B</i>
5	176079877	T	C	<i>TSPAN17</i>
5	176295822	C	A	<i>UNC5A</i>
5	176306443	C	T	<i>UNC5A</i>
5	176308303	C	T	<i>HK3</i>
5	176314060	C	G	<i>HK3</i>
5	176314206	T	C	<i>HK3</i>
5	176314737	C	T	<i>HK3</i>
5	176316559	C	T	<i>HK3</i>
5	176317836	G	A	<i>HK3</i>
5	176318162	C	T	<i>HK3</i>
5	176335616	C	A	<i>UIMC1</i>

5	176335682	A	G	<i>UIMC1</i>
5	176370402	A	G	<i>UIMC1</i>
5	176382995	G	A	<i>UIMC1</i>
5	176395618	A	G	<i>UIMC1</i>
5	176409574	G	A	<i>UIMC1</i>
5	176491539	T	G	<i>ZNF346</i>
5	176516631	G	A	<i>FGFR4</i>
5	176517797	C	T	<i>FGFR4</i>
5	176520243	G	A	<i>FGFR4</i>
5	176637240	G	T	<i>NSD1</i>
5	176637471	G	A	<i>NSD1</i>
5	176637576	T	C	<i>NSD1</i>
5	176638506	G	C	<i>NSD1</i>
5	176722005	G	A	<i>NSD1</i>
5	176722219	T	C	<i>NSD1</i>
5	176734179	C	T	<i>MXD3</i>
5	176734657	C	T	<i>MXD3</i>
5	176759170	C	T	<i>LMAN2</i>
5	176813101	C	T	<i>SLC34A1</i>
5	176813233	GTCCCCAAGCT-		<i>SLC34A1</i>
5	176813246	G	A	<i>SLC34A1</i>
5	176813246	G	-	<i>SLC34A1</i>
5	176813433	C	T	<i>SLC34A1</i>
5	176825069	C	T	<i>SLC34A1</i>
5	176832166	G	C	<i>F12</i>
5	176885178	A	G	<i>DBN1</i>
5	176885499	T	C	<i>DBN1</i>
5	176886119	G	A	<i>DBN1</i>
5	176893942	C	T	<i>DBN1</i>
5	176915143	C	T	<i>PDLIM7</i>
5	176919607	C	G	<i>PDLIM7</i>
5	176919656	G	A	<i>PDLIM7</i>
5	176930172	GAG	-	<i>DOK3</i>
5	176931294	T	C	<i>DOK3</i>
5	176931594	G	C	<i>DOK3</i>
5	176931606	G	T	<i>DOK3</i>
5	176935417	G	A	<i>DOK3</i>
5	177031406	C	T	<i>B4GALT7</i>
5	177419966	G	A	<i>PROP1</i>
5	177419967	C	T	<i>PROP1</i>
5	177546780	A	G	<i>N4BP3</i>
5	177547336	G	A	<i>N4BP3</i>
5	177548196	G	A	<i>N4BP3</i>

5	177569661	C	T	<i>RMND5B</i>
5	177573274	G	A	<i>RMND5B</i>
5	177638965	T	A	<i>PHYKPL</i>
5	177640034	T	C	<i>PHYKPL</i>
5	177652392	T	C	<i>PHYKPL</i>
5	177669361	C	T	<i>COL23A1</i>
5	177674821	T	C	<i>COL23A1</i>
5	177683377	T	C	<i>COL23A1</i>
5	177683382	C	T	<i>COL23A1</i>
5	177683905	G	A	<i>COL23A1</i>
5	177689216	A	G	<i>COL23A1</i>
5	177690264	C	T	<i>COL23A1</i>
5	177733908	C	T	<i>COL23A1</i>
5	177987740	C	T	<i>COL23A1</i>
5	178035424	T	C	<i>CLK4</i>
5	178035455	T	A	<i>CLK4</i>
5	178050348	G	A	<i>CLK4</i>
5	178140242	G	A	<i>ZNF354A</i>
5	178154086	C	T	<i>ZNF354A</i>
5	178310142	G	A	<i>ZNF354B</i>
5	178311260	G	A	<i>ZNF354B</i>
5	178359171	C	A	<i>ZFP2</i>
5	178391860	G	A	<i>ZNF454</i>
5	178391902	A	C	<i>ZNF454</i>
5	178410177	C	T	<i>GRM6</i>
5	178410213	T	C	<i>GRM6</i>
5	178413523	G	A	<i>GRM6</i>
5	178418549	T	C	<i>GRM6</i>
5	178418555	C	A	<i>GRM6</i>
5	178455114	A	G	<i>ZNF879</i>
5	178459283	A	G	<i>ZNF879</i>
5	178459426	A	C	<i>ZNF879</i>
5	178504110	C	T	<i>ZNF354C</i>
5	178504131	A	G	<i>ZNF354C</i>
5	178506644	G	A	<i>ZNF354C</i>
5	178507004	A	G	<i>ZNF354C</i>
5	178507048	C	G	<i>ZNF354C</i>
5	178540975	G	A	<i>ADAMTS2</i>
5	178552137	C	T	<i>ADAMTS2</i>
5	178563002	C	T	<i>ADAMTS2</i>
5	178564838	C	T	<i>ADAMTS2</i>
5	178634672	C	T	<i>ADAMTS2</i>
5	179018647	G	A	<i>RUFY1</i>

5	179069894	G	A	<i>C5orf60</i>
5	179069912	C	T	<i>C5orf60</i>
5	179069924	T	C	<i>C5orf60</i>
5	179070050	A	G	<i>C5orf60</i>
5	179071892	C	T	<i>C5orf60</i>
5	179153686	A	G	<i>CANX</i>
5	179192580	G	A	<i>MAML1</i>
5	179193270	C	T	<i>MAML1</i>
5	179193323	A	G	<i>MAML1</i>
5	179195903	C	T	<i>MAML1</i>
5	179201226	A	C	<i>MAML1</i>
5	179201298	C	T	<i>MAML1</i>
5	179201540	C	G	<i>MAML1</i>
5	179201847	G	A	<i>MAML1</i>
5	179222858	G	A	<i>LTC4S</i>
5	179227545	G	T	<i>MGAT4B</i>
5	179228377	G	A	<i>MGAT4B</i>
5	179228694	T	C	<i>MGAT4B</i>
5	179252184	A	G	<i>SQSTM1</i>
5	179260099	G	C	<i>SQSTM1</i>
5	179264615	G	A	<i>C5orf45</i>
5	179268995	C	T	<i>C5orf45</i>
5	179280379	T	C	<i>C5orf45</i>
5	179280392	G	A	<i>C5orf45</i>
5	179290845	T	G	<i>TBC1D9B</i>
5	179290870	C	G	<i>TBC1D9B</i>
5	179290933	C	T	<i>TBC1D9B</i>
5	179292331	G	A	<i>TBC1D9B</i>
5	179298491	C	T	<i>TBC1D9B</i>
5	179320359	G	C	<i>TBC1D9B</i>
5	179320447	C	T	<i>TBC1D9B</i>
5	179321458	C	T	<i>TBC1D9B</i>
5	179407158	T	C	<i>RNF130</i>
5	179740827	T	C	<i>GFPT2</i>
5	179996272	G	C	<i>CNOT6</i>
5	180001061	A	G	<i>CNOT6</i>
5	180017690	G	-	<i>SCGB3A1</i>
5	180030221	C	T	<i>FLT4</i>
5	180039606	C	T	<i>FLT4</i>
5	180045911	G	A	<i>FLT4</i>
5	180046344	G	C	<i>FLT4</i>
5	180048641	G	A	<i>FLT4</i>
5	180051003	T	C	<i>FLT4</i>

5	180057293	T	C	<i>FLT4</i>
5	180166461	C	G	<i>OR2Y1</i>
5	180166599	C	T	<i>OR2Y1</i>
5	180166677	G	A	<i>OR2Y1</i>
5	180218668	A	G	<i>MGAT1</i>
5	180219304	C	T	<i>MGAT1</i>
5	180276345	A	G	<i>ZFP62</i>
5	180276402	C	T	<i>ZFP62</i>
5	180335720	A	G	<i>BTNL8</i>
5	180335817	A	G	<i>BTNL8</i>
5	180374523	G	A	<i>BTNL8</i>
5	180432564	G	T	<i>BTNL3</i>
5	180432662	C	G	<i>BTNL3</i>
5	180432666	C	G	<i>BTNL3</i>
5	180432747	C	G	<i>BTNL3</i>
5	180477254	C	-	<i>BTNL9</i>
5	180480275	C	T	<i>BTNL9</i>
5	180582043	C	T	<i>OR2V2</i>
5	180582604	A	G	<i>OR2V2</i>
5	180622354	G	A	<i>TRIM7</i>
5	180626927	A	G	<i>TRIM7</i>
5	180630512	G	C	<i>TRIM7</i>
5	180651231	G	A	<i>TRIM41</i>
5	180661980	T	C	<i>TRIM41</i>
6	345896	C	G	<i>DUSP22</i>
6	348195	G	A	<i>DUSP22</i>
6	348266	G	A	<i>DUSP22</i>
6	401700	C	T	<i>IRF4</i>
6	491150	C	A	<i>EXOC2</i>
6	656143	C	A	<i>HUS1B</i>
6	656343	T	C	<i>HUS1B</i>
6	2675282	T	C	<i>MYLK4</i>
6	2678541	C	T	<i>MYLK4</i>
6	2685775	G	A	<i>MYLK4</i>
6	2766613	C	T	<i>WRNIP1</i>
6	2768965	A	G	<i>WRNIP1</i>
6	2770498	A	T	<i>WRNIP1</i>
6	2779607	G	A	<i>WRNIP1</i>
6	2836460	G	A	<i>SERPINB1</i>
6	2890726	G	A	<i>SERPINB9</i>
6	2955802	T	C	<i>SERPINB6</i>
6	3010298	A	G	<i>NQO2</i>
6	3010337	A	G	<i>NQO2</i>

6	3010390	C	T	NQO2
6	3012778	G	A	NQO2
6	3111166	C	T	RIPK1
6	3152760	T	C	BPHL
6	3152781	A	G	BPHL
6	3727811	C	G	PXDC1
6	4031998	A	G	PRPF4B
6	4032608	G	A	PRPF4B
6	4068950	A	G	FAM217A
6	4069133	T	C	FAM217A
6	4069133	T	A	FAM217A
6	4069685	C	T	FAM217A
6	4099365	G	T	C6orf201
6	4116143	C	T	ECI2
6	4116262	G	A	ECI2
6	4119499	T	G	ECI2
6	4122249	C	A	C6orf201
6	4133855	C	T	ECI2
6	4995464	C	T	RPP40
6	4996543	C	T	RPP40
6	5404899	C	T	FARS2
6	5431340	A	G	FARS2
6	6152137	C	G	F13A1
6	6152140	C	T	F13A1
6	6251120	T	A	F13A1
6	6649867	A	G	LY86
6	7211818	G	A	RREB1
6	7229356	G	A	RREB1
6	7230174	C	G	RREB1
6	7231796	G	A	RREB1
6	7231843	G	A	RREB1
6	7247076	C	T	RREB1
6	7247230	-	GGCCCCGGGT	RREB1
6	7247230	-	GGCCCCGGGT	RREB1
6	7247248	T	C	RREB1
6	7247344	C	A	RREB1
6	7248990	G	A	RREB1
6	7310259	A	G	SSR1
6	7313338	G	C	SSR1
6	7374207	T	G	CAGE1
6	7378978	G	A	CAGE1
6	7379031	G	A	CAGE1
6	7379068	T	A	CAGE1

6	7379149	C	A	CAGE1
6	7387287	A	T	CAGE1
6	7395322	A	G	RIOK1
6	7395350	G	A	RIOK1
6	7405242	G	A	RIOK1
6	7405508	G	A	RIOK1
6	7414583	G	A	RIOK1
6	7542236	G	A	DSP
6	7562975	G	A	DSP
6	7571692	A	G	DSP
6	7576619	G	A	DSP
6	7580958	A	G	DSP
6	7581032	C	T	DSP
6	7581636	G	A	DSP
6	7581641	G	A	DSP
6	7582993	A	T	DSP
6	7583703	G	A	DSP
6	7584376	C	G	DSP
6	7727475	T	C	BMP6
6	7883468	C	T	TXNDC5
6	7884696	G	A	TXNDC5
6	7904807	G	T	TXNDC5
6	8413853	G	A	SLC35B3
6	8430314	T	G	SLC35B3
6	10586727	G	A	GCNT2
6	10587038	C	G	GCNT2
6	10687746	G	T	C6orf52
6	10702799	G	A	PAK1IP1
6	10709569	A	T	PAK1IP1
6	10770421	A	G	MAK
6	10775600	G	A	MAK
6	10874568	T	G	GCM2
6	10874806	T	C	GCM2
6	10894381	G	A	SYCP2L
6	10898308	C	T	SYCP2L
6	10935327	G	A	SYCP2L
6	10955408	C	T	SYCP2L
6	10956414	A	G	SYCP2L
6	11103937	G	A	ERVFRD
6	11104469	C	T	ERVFRD
6	11190358	C	T	NEDD9
6	11190982	C	T	NEDD9
6	11213566	G	T	NEDD9

6	11723636	C	T	<i>ADTRP</i>
6	12120588	C	T	<i>HIVEP1</i>
6	12120844	T	A	<i>HIVEP1</i>
6	12122174	A	G	<i>HIVEP1</i>
6	12122645	A	G	<i>HIVEP1</i>
6	12122700	G	A	<i>HIVEP1</i>
6	12123538	G	T	<i>HIVEP1</i>
6	12123785	G	A	<i>HIVEP1</i>
6	12124587	C	G	<i>HIVEP1</i>
6	12125386	A	T	<i>HIVEP1</i>
6	12125772	A	G	<i>HIVEP1</i>
6	12163739	T	C	<i>HIVEP1</i>
6	12163868	C	T	<i>HIVEP1</i>
6	12164224	G	A	<i>HIVEP1</i>
6	12164308	G	A	<i>HIVEP1</i>
6	12164612	C	G	<i>HIVEP1</i>
6	12294178	G	A	<i>EDN1</i>
6	12294584	A	C	<i>EDN1</i>
6	12296255	G	T	<i>EDN1</i>
6	13316909	G	T	<i>TBC1D7</i>
6	13604718	T	C	<i>SIRT5</i>
6	13612078	A	G	<i>SIRT5</i>
6	13616710	C	T	<i>NOL7</i>
6	13625996	C	T	<i>RANBP9</i>
6	13711281	G	C	<i>RANBP9</i>
6	13801615	T	C	<i>MCUR1</i>
6	13807220	A	G	<i>MCUR1</i>
6	14131854	A	G	<i>CD83</i>
6	15501422	G	A	<i>JARID2</i>
6	15520409	G	C	<i>JARID2</i>
6	15524661	C	T	<i>DTNBP1</i>
6	15524679	G	A	<i>DTNBP1</i>
6	16143390	A	C	<i>MYLIP</i>
6	16145315	G	A	<i>MYLIP</i>
6	16145325	A	G	<i>MYLIP</i>
6	16146902	G	A	<i>MYLIP</i>
6	16286061	C	A	<i>GMPR</i>
6	16290761	T	A	<i>GMPR</i>
6	16306751	G	A	<i>ATXN1</i>
6	16306858	G	A	<i>ATXN1</i>
6	16327770	C	A	<i>ATXN1</i>
6	16327986	T	A	<i>ATXN1</i>
6	17541305	C	A	<i>CAP2</i>

6	17541324	A	G	CAP2
6	17626144	T	C	NUP153
6	17626281	T	C	NUP153
6	17629059	T	C	NUP153
6	17629284	T	C	NUP153
6	17637566	G	C	NUP153
6	17637697	G	C	NUP153
6	17649494	G	A	NUP153
6	17665479	G	C	NUP153
6	17675246	T	C	NUP153
6	17675498	G	T	NUP153
6	17688693	C	T	NUP153
6	17706524	C	T	NUP153
6	17764395	C	A	KIF13A
6	17764793	C	T	KIF13A
6	17764896	G	C	KIF13A
6	17764960	A	G	KIF13A
6	17773790	T	C	KIF13A
6	17826151	T	C	KIF13A
6	17837734	T	A	KIF13A
6	18139228	C	T	TPMT
6	18143955	C	G	TPMT
6	18171661	A	C	KDM1B
6	18197821	T	C	KDM1B
6	18208415	G	A	KDM1B
6	18212794	A	T	KDM1B
6	18256625	A	G	DEK
6	18399809	A	G	RNF144B
6	20109842	T	C	MBOAT1
6	20124710	G	A	MBOAT1
6	20212410	T	C	MBOAT1
6	20490428	G	A	E2F3
6	20490464	G	T	E2F3
6	20546697	G	A	CDKAL1
6	21065449	C	T	CDKAL1
6	21594847	C	G	SOX4
6	21595920	CTC	-	SOX4
6	22570122	GCCGGA	-	HDGFL1
6	22570138	G	T	HDGFL1
6	24145896	C	T	NRSN1
6	24146086	C	T	NRSN1
6	24175021	T	A	DCDC2
6	24291203	T	C	DCDC2

6	24302046	G	C	DCDC2
6	24403377	C	T	MRS2
6	24403411	T	C	MRS2
6	24423277	T	C	MRS2
6	24423824	C	T	MRS2
6	24423918	G	A	MRS2
6	24429341	T	-	GPLD1
6	24437445	G	A	GPLD1
6	24454313	T	C	GPLD1
6	24463020	G	C	GPLD1
6	24476431	T	C	GPLD1
6	24476437	C	T	GPLD1
6	24489652	C	T	GPLD1
6	24489691	G	C	GPLD1
6	24489733	C	G	GPLD1
6	24503590	C	T	ALDH5A1
6	24503597	C	T	ALDH5A1
6	24520719	G	A	ALDH5A1
6	24551664	T	C	KIAA0319
6	24564540	A	G	KIAA0319
6	24564544	T	C	KIAA0319
6	24566953	G	A	KIAA0319
6	24576631	C	T	KIAA0319
6	24596478	T	G	KIAA0319
6	24596526	G	T	KIAA0319
6	24653273	G	C	TDP2
6	24658948	T	C	TDP2
6	24666830	T	C	TDP2
6	24667009	G	C	TDP2
6	24698187	G	T	ACOT13
6	24780892	A	C	GMNN
6	24781719	G	C	GMNN
6	24781735	C	T	GMNN
6	24828449	C	T	FAM65B
6	24828490	C	T	FAM65B
6	24843452	G	A	FAM65B
6	24847851	G	C	FAM65B
6	24865659	G	C	FAM65B
6	24873164	G	T	FAM65B
6	25426768	G	A	LRRC16A
6	25581495	C	T	LRRC16A
6	25600772	A	G	LRRC16A
6	25653678	G	T	SCGN

6	25661861	C	T	SCGN
6	25776949	G	A	SLC17A4
6	25778182	C	T	SLC17A4
6	25813150	G	A	SLC17A1
6	25820124	C	T	SLC17A1
6	25820126	C	A	SLC17A1
6	25850845	C	T	SLC17A3
6	25914853	G	A	SLC17A2
6	25917035	C	G	SLC17A2
6	25917225	T	C	SLC17A2
6	25966909	G	T	TRIM38
6	25969631	C	T	TRIM38
6	25969635	T	C	TRIM38
6	25972179	A	G	TRIM38
6	26017617	G	A	HIST1H1A
6	26017758	G	T	HIST1H1A
6	26017850	T	A	HIST1H1A
6	26017926	G	A	HIST1H1A
6	26020917	C	T	HIST1H3A
6	26027456	-	A	HIST1H4B
6	26056146	C	G	HIST1H1C
6	26056286	C	G	HIST1H1C
6	26056575	C	T	HIST1H1C
6	26091179	C	G	HFE
6	26091185	A	T	HFE
6	26091703	G	C	HFE
6	26107790	G	T	HIST1H1T
6	26107824	G	T	HIST1H1T
6	26108168	G	A	HIST1H1T
6	26108173	T	C	HIST1H1T
6	26108203	G	A	HIST1H1T
6	26156758	C	T	HIST1H1E
6	26157073	A	G	HIST1H1E
6	26205165	TT	-	HIST1H4E
6	26234606	CTT	-	HIST1H1D
6	26234773	-	TAG	HIST1H1D
6	26234797	T	C	HIST1H1D
6	26235041	C	T	HIST1H1D
6	26240711	C	T	HIST1H4F
6	26273213	C	A	HIST1H2BI
6	26370657	A	G	BTN3A2
6	26370660	G	A	BTN3A2
6	26370748	G	A	BTN3A2

6	26384060	C	T	<i>BTN2A2</i>
6	26388405	G	A	<i>BTN2A2</i>
6	26392629	G	A	<i>BTN2A2</i>
6	26393058	C	T	<i>BTN2A2</i>
6	26405816	T	C	<i>BTN3A1</i>
6	26405835	G	A	<i>BTN3A1</i>
6	26413744	C	A	<i>BTN3A1</i>
6	26451969	T	C	<i>BTN3A3</i>
6	26459997	G	A	<i>BTN2A1</i>
6	26463621	A	G	<i>BTN2A1</i>
6	26463660	G	A	<i>BTN2A1</i>
6	26468545	G	C	<i>BTN2A1</i>
6	26502036	G	A	<i>BTN1A1</i>
6	26505362	G	A	<i>BTN1A1</i>
6	26508869	C	T	<i>BTN1A1</i>
6	26509382	C	T	<i>BTN1A1</i>
6	26509392	G	A	<i>BTN1A1</i>
6	26598572	C	T	<i>ABT1</i>
6	27216699	G	T	<i>PRSS16</i>
6	27218513	CTC	-	<i>PRSS16</i>
6	27277051	C	T	<i>POM121L2</i>
6	27277212	C	A	<i>POM121L2</i>
6	27277521	G	T	<i>POM121L2</i>
6	27277665	G	A	<i>POM121L2</i>
6	27277716	A	T	<i>POM121L2</i>
6	27278020	C	A	<i>POM121L2</i>
6	27279632	C	A	<i>POM121L2</i>
6	27279774	C	T	<i>POM121L2</i>
6	27368453	C	A	<i>ZNF391</i>
6	27420048	G	C	<i>ZNF184</i>
6	27420698	T	C	<i>ZNF184</i>
6	27435642	G	A	<i>ZNF184</i>
6	27775674	A	G	<i>HIST1H2BL</i>
6	27834677	C	T	<i>HIST1H1B</i>
6	27834877	T	C	<i>HIST1H1B</i>
6	27835226	C	G	<i>HIST1H1B</i>
6	27879397	T	C	<i>OR2B2</i>
6	27879551	C	G	<i>OR2B2</i>
6	27879982	A	G	<i>OR2B2</i>
6	27925629	A	T	<i>OR2B6</i>
6	28056646	T	G	<i>ZNF165</i>
6	28093526	G	A	<i>ZSCAN16</i>
6	28116342	C	A	<i>ZKSCAN8</i>

6	28120944	G	A	ZKSCAN8
6	28121278	A	G	ZKSCAN8
6	28227217	C	T	NKAPL
6	28227400	C	T	NKAPL
6	28227436	A	G	NKAPL
6	28227604	C	A	NKAPL
6	28227633	C	T	NKAPL
6	28227993	G	A	NKAPL
6	28228342	A	G	NKAPL
6	28240525	C	T	ZSCAN26
6	28254862	G	C	PGBD1
6	28264681	G	A	PGBD1
6	28268667	G	A	PGBD1
6	28269407	G	A	PGBD1
6	28269663	A	G	PGBD1
6	28270047	C	G	PGBD1
6	28294209	CT	-	ZSCAN31
6	28294550	T	C	ZSCAN31
6	28297090	G	A	ZSCAN31
6	28297279	C	T	ZSCAN31
6	28297313	T	A	ZSCAN31
6	28327371	G	C	ZKSCAN3
6	28331094	G	A	ZKSCAN3
6	28331111	-	TGC	ZKSCAN3
6	28331127	A	G	ZKSCAN3
6	28331128	A	C	ZKSCAN3
6	28333277	TCG	-	ZKSCAN3
6	28358320	A	G	ZSCAN12
6	28358335	G	C	ZSCAN12
6	28358476	C	A	ZSCAN12
6	28359186	C	T	ZSCAN12
6	28359430	A	G	ZSCAN12
6	28366151	A	G	ZSCAN12
6	33648228	C	T	ITPR3
6	33652626	G	A	ITPR3
6	33653486	G	A	ITPR3
6	33655889	AGG	-	ITPR3
6	33659472	C	G	ITPR3
6	33690597	T	G	IP6K3
6	33690626	-	TACCACATAC	IP6K3
6	33690691	C	T	IP6K3
6	33690796	C	T	IP6K3
6	33690807	G	A	IP6K3

6	33694630	G	A	<i>IP6K3</i>
6	33695951	G	A	<i>IP6K3</i>
6	33768867	G	C	<i>MLN</i>
6	33768897	A	G	<i>MLN</i>
6	34004293	T	C	<i>GRM4</i>
6	34214524	A	G	<i>C6orf1</i>
6	34496509	A	G	<i>PACSIN1</i>
6	34498328	C	T	<i>PACSIN1</i>
6	34499387	T	C	<i>PACSIN1</i>
6	34508821	G	A	<i>SPDEF</i>
6	34512064	C	T	<i>SPDEF</i>
6	34512088	C	T	<i>SPDEF</i>
6	34802110	G	T	<i>UHRF1BP1</i>
6	34804000	G	A	<i>UHRF1BP1</i>
6	34824107	A	C	<i>UHRF1BP1</i>
6	34824636	A	G	<i>UHRF1BP1</i>
6	34826612	C	T	<i>UHRF1BP1</i>
6	34826921	G	C	<i>UHRF1BP1</i>
6	34827085	A	T	<i>UHRF1BP1</i>
6	34827086	G	A	<i>UHRF1BP1</i>
6	34831856	T	C	<i>UHRF1BP1</i>
6	34839463	A	G	<i>UHRF1BP1</i>
6	34839644	G	A	<i>UHRF1BP1</i>
6	34850826	G	C	<i>TAF11</i>
6	34985558	C	G	<i>ANKS1A</i>
6	35088271	T	C	<i>TCP11</i>
6	35088381	C	G	<i>TCP11</i>
6	35201057	A	G	<i>SCUBE3</i>
6	35209425	G	A	<i>SCUBE3</i>
6	35253974	C	T	<i>ZNF76</i>
6	35255567	A	T	<i>ZNF76</i>
6	35259365	G	A	<i>ZNF76</i>
6	35259397	C	T	<i>ZNF76</i>
6	35260700	G	A	<i>ZNF76</i>
6	35262282	C	T	<i>ZNF76</i>
6	35285719	A	C	<i>DEF6</i>
6	35285720	A	C	<i>DEF6</i>
6	35423886	C	T	<i>FANCE</i>
6	35427531	T	C	<i>FANCE</i>
6	35428345	C	T	<i>FANCE</i>
6	35430686	G	A	<i>FANCE</i>
6	35446225	A	G	<i>TEAD3</i>
6	35477011	C	A	<i>TULP1</i>

6	35477025	C	G	TULP1
6	35477032	A	G	TULP1
6	35477661	T	C	TULP1
6	35544889	T	A	FKBP5
6	35565058	C	T	FKBP5
6	35610553	T	C	FKBP5
6	35745305	G	A	CLPSL2
6	35748931	T	C	CLPSL1
6	35755674	T	C	CLPSL1
6	35765043	A	G	CLPS
6	35911856	G	A	SLC26A8
6	35923246	T	C	SLC26A8
6	35960390	C	T	SLC26A8
6	35967772	T	C	SLC26A8
6	36063793	C	T	MAPK14
6	36098434	C	A	MAPK13
6	36099050	C	T	MAPK13
6	36106177	G	A	MAPK13
6	36106712	G	A	MAPK13
6	36168415	C	T	BRPF3
6	36168628	A	G	BRPF3
6	36185759	A	G	BRPF3
6	36193085	G	A	BRPF3
6	36263171	G	A	PNPLA1
6	36269725	A	G	PNPLA1
6	36270130	C	A	PNPLA1
6	36274148	T	A	PNPLA1
6	36274153	C	T	PNPLA1
6	36275458	T	C	PNPLA1
6	36287294	G	A	C6orf222
6	36287312	G	C	C6orf222
6	36293083	G	A	C6orf222
6	36297893	C	T	C6orf222
6	36298316	G	A	C6orf222
6	36298322	T	G	C6orf222
6	36336764	G	A	ETV7
6	36336803	G	A	ETV7
6	36339136	G	A	ETV7
6	36339143	C	T	ETV7
6	36343675	C	T	ETV7
6	36343714	C	T	ETV7
6	36343720	C	T	ETV7
6	36343721	G	A	ETV7

6	36343730	G	A	<i>ETV7</i>
6	36442764	C	T	<i>KCTD20</i>
6	36446975	G	C	<i>KCTD20</i>
6	36454836	G	A	<i>KCTD20</i>
6	36651971	C	A	<i>CDKN1A</i>
6	36652129	G	A	<i>CDKN1A</i>
6	36652228	G	A	<i>CDKN1A</i>
6	36710109	G	C	<i>CPNE5</i>
6	36712914	C	T	<i>CPNE5</i>
6	36839598	C	G	<i>PPIL1</i>
6	36867372	C	A	<i>C6orf89</i>
6	36887436	A	G	<i>C6orf89</i>
6	36922621	A	G	<i>PI16</i>
6	36926952	A	G	<i>PI16</i>
6	36976637	G	C	<i>FGD2</i>
6	36976747	G	C	<i>FGD2</i>
6	36982477	G	C	<i>FGD2</i>
6	36995281	G	A	<i>FGD2</i>
6	37139030	G	C	<i>PIM1</i>
6	37183026	G	T	<i>TMEM217</i>
6	37186394	A	G	<i>TMEM217</i>
6	37250068	C	G	<i>TBC1D22B</i>
6	37284550	C	A	<i>TBC1D22B</i>
6	37605158	C	T	<i>MDGA1</i>
6	37619853	T	C	<i>MDGA1</i>
6	38084405	C	T	<i>ZFAND3</i>
6	38650628	T	G	<i>GLO1</i>
6	38704943	A	G	<i>DNAH8</i>
6	38729511	T	C	<i>DNAH8</i>
6	38746176	G	A	<i>DNAH8</i>
6	38747770	G	A	<i>DNAH8</i>
6	38749064	C	G	<i>DNAH8</i>
6	38750888	A	G	<i>DNAH8</i>
6	38757615	G	A	<i>DNAH8</i>
6	38759379	G	A	<i>DNAH8</i>
6	38773293	G	A	<i>DNAH8</i>
6	38800164	G	A	<i>DNAH8</i>
6	38813412	G	T	<i>DNAH8</i>
6	38820493	C	A	<i>DNAH8</i>
6	38838204	A	G	<i>DNAH8</i>
6	38840444	A	C	<i>DNAH8</i>
6	38840492	G	T	<i>DNAH8</i>
6	38850809	C	A	<i>DNAH8</i>

6	38854646	T	C	<i>DNAH8</i>
6	38877453	C	A	<i>DNAH8</i>
6	38890849	G	A	<i>DNAH8</i>
6	38897350	C	T	<i>DNAH8</i>
6	38897372	A	G	<i>DNAH8</i>
6	38905957	C	T	<i>DNAH8</i>
6	38913335	C	T	<i>DNAH8</i>
6	38951998	C	T	<i>DNAH8</i>
6	38980081	A	G	<i>DNAH8</i>
6	38998103	C	T	<i>DNAH8</i>
6	39033595	G	A	<i>GLP1R</i>
6	39034072	G	A	<i>GLP1R</i>
6	39041502	A	C	<i>GLP1R</i>
6	39046794	G	A	<i>GLP1R</i>
6	39158947	C	T	<i>KCNK5</i>
6	39159072	T	A	<i>KCNK5</i>
6	39159379	G	A	<i>KCNK5</i>
6	39278695	AAG	-	<i>KCNK17</i>
6	39281916	C	T	<i>KCNK17</i>
6	39282806	G	T	<i>KCNK16</i>
6	39282816	G	A	<i>KCNK16</i>
6	39283039	G	C	<i>KCNK16</i>
6	39283079	A	G	<i>KCNK16</i>
6	39284050	G	T	<i>KCNK16</i>
6	39284063	C	T	<i>KCNK16</i>
6	39284597	T	G	<i>KCNK16</i>
6	39285648	C	T	<i>KCNK16</i>
6	39311554	C	T	<i>KIF6</i>
6	39325078	A	G	<i>KIF6</i>
6	39507889	C	T	<i>KIF6</i>
6	39552692	T	G	<i>KIF6</i>
6	39824130	G	A	<i>DAAM2</i>
6	39832264	G	A	<i>DAAM2</i>
6	39835372	G	A	<i>DAAM2</i>
6	39846016	C	G	<i>DAAM2</i>
6	39856489	A	G	<i>DAAM2</i>
6	39859484	A	C	<i>DAAM2</i>
6	39865007	T	C	<i>DAAM2</i>
6	39877617	A	G	<i>MOCS1</i>
6	39881102	A	T	<i>MOCS1</i>
6	39881120	G	A	<i>MOCS1</i>
6	39895263	C	T	<i>MOCS1</i>
6	40400288	C	T	<i>LRFN2</i>

6	40999437	T	C	UNC5CL
6	40999454	T	C	UNC5CL
6	41000638	T	C	UNC5CL
6	41001644	C	G	UNC5CL
6	41011375	G	C	TSPO2
6	41011758	C	T	TSPO2
6	41029294	C	A	APOBEC2
6	41029342	T	C	APOBEC2
6	41037832	G	A	OARD1
6	41118000	A	G	TREML1
6	41119110	TCT	-	TREML1
6	41126655	A	G	TREM2
6	41129105	G	T	TREM2
6	41129133	C	T	TREM2
6	41129207	C	T	TREM2
6	41129252	C	T	TREM2
6	41162204	G	T	TREML2
6	41162371	T	C	TREML2
6	41162518	T	C	TREML2
6	41166063	C	A	TREML2
6	41166075	C	T	TREML2
6	41166149	A	G	TREML2
6	41166154	G	C	TREML2
6	41166155	T	C	TREML2
6	41196169	G	T	TREML4
6	41196605	T	C	TREML4
6	41197857	C	T	TREML4
6	41303995	A	G	NCR2
6	41309618	G	A	NCR2
6	41310705	C	T	NCR2
6	41533595	G	A	FOXP4
6	41565582	G	A	FOXP4
6	41708238	C	T	PGC
6	41739160	G	T	FRS3
6	41739604	G	A	FRS3
6	41753136	G	A	PRICKLE4
6	41753915	A	G	PRICKLE4
6	41754573	-	CTT	PRICKLE4
6	41754718	G	A	PRICKLE4
6	41766432	-	CCCCA	USP49
6	41773976	G	C	USP49
6	41774340	G	T	USP49
6	41889505	C	T	BYSL

6	41895150	G	A	<i>BYSL</i>
6	41900406	C	T	<i>BYSL</i>
6	41903782	A	C	<i>CCND3</i>
6	41903798	C	A	<i>CCND3</i>
6	42044847	G	C	<i>TAF8</i>
6	42075190	T	C	<i>C6orf132</i>
6	42110133	T	C	<i>C6orf132</i>
6	42110171	C	G	<i>C6orf132</i>
6	42110171	CTT	-	<i>C6orf132</i>
6	42110171	C	-	<i>C6orf132</i>
6	42153428	C	A	<i>GUCA1B</i>
6	42185567	G	T	<i>MRPS10</i>
6	42196127	C	T	<i>TRERF1</i>
6	42204106	TCC	-	<i>TRERF1</i>
6	42224546	A	T	<i>TRERF1</i>
6	42232509	T	C	<i>TRERF1</i>
6	42236514	G	T	<i>TRERF1</i>
6	42559926	G	A	<i>UBR2</i>
6	42609352	C	A	<i>UBR2</i>
6	42627434	G	A	<i>UBR2</i>
6	42643860	G	A	<i>UBR2</i>
6	42666136	G	A	<i>PRPH2</i>
6	42666145	C	T	<i>PRPH2</i>
6	42666164	G	C	<i>PRPH2</i>
6	42689979	T	C	<i>PRPH2</i>
6	42713480	C	T	<i>TBCC</i>
6	42713554	C	A	<i>TBCC</i>
6	42713618	A	G	<i>TBCC</i>
6	42832562	T	G	<i>GLTSCR1L</i>
6	42832901	T	C	<i>GLTSCR1L</i>
6	42832939	C	T	<i>GLTSCR1L</i>
6	42832979	A	G	<i>GLTSCR1L</i>
6	42891022	G	A	<i>PTCRA</i>
6	42893226	C	T	<i>PTCRA</i>
6	42893254	G	A	<i>PTCRA</i>
6	42906384	G	T	<i>CNPY3</i>
6	42932835	C	T	<i>PEX6</i>
6	42933464	G	A	<i>PEX6</i>
6	42934097	G	A	<i>PEX6</i>
6	42935188	C	T	<i>PEX6</i>
6	42946036	G	C	<i>PEX6</i>
6	42980709	CCT	-	<i>MEA1</i>
6	42981051	C	G	<i>MEA1</i>

6	42992825	C	G	<i>RRP36</i>
6	42996940	A	G	<i>RRP36</i>
6	43006016	G	T	<i>CUL7</i>
6	43008764	C	T	<i>CUL7</i>
6	43017190	C	T	<i>CUL7</i>
6	43017813	C	T	<i>CUL7</i>
6	43018766	CTC	-	<i>CUL7</i>
6	43023339	G	C	<i>MRPL2</i>
6	43023731	C	T	<i>MRPL2</i>
6	43034797	C	G	<i>KLC4</i>
6	43034850	C	T	<i>KLC4</i>
6	43039337	G	A	<i>KLC4</i>
6	43098393	G	A	<i>PTK7</i>
6	43100425	A	T	<i>PTK7</i>
6	43110014	C	T	<i>PTK7</i>
6	43112267	C	T	<i>PTK7</i>
6	43128519	G	A	<i>PTK7</i>
6	43153787	G	A	<i>CUL9</i>
6	43153814	G	A	<i>CUL9</i>
6	43154017	C	G	<i>CUL9</i>
6	43155718	G	A	<i>CUL9</i>
6	43166412	GGG	-	<i>CUL9</i>
6	43173908	C	G	<i>CUL9</i>
6	43174225	G	A	<i>CUL9</i>
6	43184132	A	C	<i>CUL9</i>
6	43190293	C	T	<i>CUL9</i>
6	43191017	G	A	<i>CUL9</i>
6	43230940	C	T	<i>TTBK1</i>
6	43230970	G	C	<i>TTBK1</i>
6	43250558	G	A	<i>TTBK1</i>
6	43273604	A	G	<i>CRIP3</i>
6	43305068	A	G	<i>ZNF318</i>
6	43305380	C	T	<i>ZNF318</i>
6	43306346	A	G	<i>ZNF318</i>
6	43306966	CTTAGTCTCAG-		<i>ZNF318</i>
6	43307645	G	A	<i>ZNF318</i>
6	43320175	C	A	<i>ZNF318</i>
6	43322745	G	A	<i>ZNF318</i>
6	43400086	C	T	<i>ABCC10</i>
6	43400500	G	A	<i>ABCC10</i>
6	43401027	A	G	<i>ABCC10</i>
6	43411992	A	G	<i>ABCC10</i>
6	43412865	T	C	<i>ABCC10</i>

6	43418453	A	T	<i>DLK2</i>
6	43418528	C	T	<i>DLK2</i>
6	43469358	G	A	<i>TJAP1</i>
6	43472947	G	A	<i>TJAP1</i>
6	43483719	CAT	-	<i>YIPF3</i>
6	43484532	G	A	<i>YIPF3</i>
6	43535018	C	T	<i>XPO5</i>
6	43565568	G	T	<i>POLH</i>
6	43571679	T	C	<i>POLH</i>
6	43581935	A	G	<i>POLH</i>
6	43582091	A	T	<i>POLH</i>
6	43582176	C	A	<i>POLH</i>
6	43589397	A	T	<i>GTPBP2</i>
6	43596814	C	G	<i>GTPBP2</i>
6	43604268	A	G	<i>MAD2L1BP</i>
6	43638636	G	A	<i>RSPH9</i>
6	43968412	C	T	<i>C6orf223</i>
6	43968814	A	G	<i>C6orf223</i>
6	43968843	A	G	<i>C6orf223</i>
6	43970658	T	A	<i>C6orf223</i>
6	43970719	G	T	<i>C6orf223</i>
6	43970720	C	T	<i>C6orf223</i>
6	43970742	A	C	<i>C6orf223</i>
6	43970805	A	C	<i>C6orf223</i>
6	44115169	G	A	<i>TMEM63B</i>
6	44143862	G	A	<i>CAPN11</i>
6	44145063	T	C	<i>CAPN11</i>
6	44147821	A	G	<i>CAPN11</i>
6	44197398	G	C	<i>SLC29A1</i>
6	44197456	A	G	<i>SLC29A1</i>
6	44198362	T	C	<i>SLC29A1</i>
6	44222664	C	T	<i>SLC35B2</i>
6	44223247	A	C	<i>SLC35B2</i>
6	44232920	A	G	<i>NFKBIE</i>
6	44232977	G	A	<i>NFKBIE</i>
6	44250023	T	G	<i>TCTE1</i>
6	44253765	A	G	<i>TCTE1</i>
6	44254077	T	G	<i>TCTE1</i>
6	44255387	C	T	<i>TCTE1</i>
6	44255459	G	A	<i>TCTE1</i>
6	44270870	C	T	<i>AARS2</i>
6	44272485	C	G	<i>AARS2</i>
6	44272513	C	T	<i>AARS2</i>

6	44275011	T	C	AARS2
6	44310854	G	A	SPATS1
6	44329574	G	A	SPATS1
6	44329579	C	T	SPATS1
6	45290634	G	A	SUPT3H
6	45515007	G	A	RUNX2
6	45882038	C	T	CLIC5
6	45882076	C	A	CLIC5
6	45882128	G	A	CLIC5
6	45909349	G	T	CLIC5
6	45916999	G	T	CLIC5
6	46047743	T	A	CLIC5
6	46107752	C	G	ENPP4
6	46135231	C	T	ENPP5
6	46135720	C	A	ENPP5
6	46135795	T	C	ENPP5
6	46135884	C	G	ENPP5
6	46135984	G	T	ENPP5
6	46554836	C	T	CYP39A1
6	46563779	C	T	CYP39A1
6	46563804	T	G	CYP39A1
6	46563817	A	T	CYP39A1
6	46593179	T	G	CYP39A1
6	46593224	A	G	CYP39A1
6	46604145	G	C	CYP39A1
6	46609905	C	T	CYP39A1
6	46620240	C	T	CYP39A1
6	46620252	C	G	CYP39A1
6	46632594	T	C	SLC25A27
6	46656557	C	T	TDRD6
6	46657057	A	G	TDRD6
6	46657528	G	A	TDRD6
6	46657977	AGA	-	TDRD6
6	46658250	A	G	TDRD6
6	46659901	G	A	TDRD6
6	46660061	A	G	TDRD6
6	46660160	A	G	TDRD6
6	46661479	G	T	TDRD6
6	46661488	A	G	TDRD6
6	46672943	A	G	PLA2G7
6	46679303	A	G	PLA2G7
6	46684222	C	T	PLA2G7
6	46684792	A	T	PLA2G7

6	46717652	T	A	ANKRD66
6	46726500	C	A	ANKRD66
6	46801071	G	T	MEP1A
6	46801214	T	A	MEP1A
6	46801219	G	A	MEP1A
6	46830740	C	G	ADGRF5
6	46846043	T	A	ADGRF5
6	46851334	C	T	ADGRF5
6	46856105	T	C	ADGRF5
6	46867771	C	T	ADGRF5
6	46976812	T	C	ADGRF1
6	46977225	G	A	ADGRF1
6	46977458	T	C	ADGRF1
6	46984436	A	G	ADGRF1
6	46988476	G	A	ADGRF1
6	46993734	C	A	ADGRF1
6	46996760	G	A	ADGRF1
6	47254244	C	T	TNFRSF21
6	47547209	T	A	CD2AP
6	47563608	A	G	CD2AP
6	47575700	AAG	-	CD2AP
6	47646842	A	G	ADGRF2
6	47648033	A	G	ADGRF2
6	47649080	G	A	ADGRF2
6	47649265	T	A	ADGRF2
6	47649574	A	G	ADGRF2
6	47649849	T	G	ADGRF2
6	47650349	T	C	ADGRF2
6	47681711	G	T	ADGRF4
6	47682212	G	A	ADGRF4
6	47682604	A	C	ADGRF4
6	49412433	C	T	MUT
6	49415448	C	T	MUT
6	49419386	C	T	MUT
6	49426975	T	C	MUT
6	49439805	G	A	CENPQ
6	49459978	A	G	CENPQ
6	49479750	T	C	GLYATL3
6	49485266	C	A	GLYATL3
6	49489397	C	A	GLYATL3
6	49494241	A	G	GLYATL3
6	49518599	T	C	C6orf141
6	49663567	A	G	CRISP2

6	49667569	C	A	CRISP2
6	49701439	C	A	CRISP3
6	49701456	C	G	CRISP3
6	49701523	A	G	CRISP3
6	49754494	G	C	PGK2
6	49815997	C	T	CRISP1
6	49989597	G	A	DEFB110
6	50683009	T	C	TFAP2D
6	50740488	G	A	TFAP2D
6	50811026	A	C	TFAP2B
6	51483961	T	C	PKHD1
6	51484226	C	T	PKHD1
6	51491866	A	T	PKHD1
6	51491884	T	C	PKHD1
6	51497503	C	A	PKHD1
6	51512889	G	A	PKHD1
6	51524409	G	T	PKHD1
6	51611651	C	A	PKHD1
6	51612626	A	G	PKHD1
6	51613199	G	A	PKHD1
6	51637536	G	T	PKHD1
6	51637561	T	C	PKHD1
6	51640639	T	C	PKHD1
6	51656129	C	G	PKHD1
6	51732719	C	G	PKHD1
6	51768795	C	T	PKHD1
6	51889474	C	T	PKHD1
6	51889483	G	A	PKHD1
6	51890823	G	A	PKHD1
6	51910905	T	C	PKHD1
6	51921513	C	T	PKHD1
6	51923291	C	G	PKHD1
6	51947313	T	C	PKHD1
6	52101739	T	C	IL17F
6	52101758	C	T	IL17F
6	52101844	T	C	IL17F
6	52138605	C	T	MCM3
6	52141182	T	C	MCM3
6	52143560	A	G	MCM3
6	52268330	A	G	PAQR8
6	52303291	C	T	EFHC1
6	52303361	G	A	EFHC1
6	52317597	T	C	EFHC1

6	52318948	G	A	EFHC1
6	52343899	T	C	EFHC1
6	52357071	A	C	EFHC1
6	52370909	G	C	TRAM2
6	52546620	C	T	TMEM14A
6	52546649	T	C	TMEM14A
6	52617731	C	G	GSTA2
6	52617738	G	A	GSTA2
6	52701143	C	T	GSTA5
6	52849377	A	G	GSTA4
6	52878654	C	T	ICK
6	52993609	A	C	GCM1
6	52998936	C	T	GCM1
6	53133964	C	A	ELOVL5
6	53372323	C	T	GCLC
6	53519740	C	T	KLHL31
6	53762092	A	G	LRRC1
6	53883843	G	A	MLIP
6	54054686	T	A	MLIP
6	54054699	C	G	MLIP
6	54173413	A	G	TINAG
6	54186147	T	C	TINAG
6	54191686	C	T	TINAG
6	54219326	G	A	TINAG
6	54219405	G	C	TINAG
6	54804998	A	G	FAM83B
6	54805074	C	G	FAM83B
6	54805279	C	T	FAM83B
6	54805688	A	C	FAM83B
6	54806489	C	A	FAM83B
6	55120108	T	A	HCRTR2
6	55142292	A	G	HCRTR2
6	55142337	A	G	HCRTR2
6	55196575	G	C	GFRAL
6	55196587	C	T	GFRAL
6	55214895	G	A	GFRAL
6	55214932	G	T	GFRAL
6	55216344	A	G	GFRAL
6	55264036	-	A	GFRAL
6	55638918	T	C	BMP5
6	55739284	A	T	BMP5
6	55924962	A	G	COL21A1
6	55925801	G	T	COL21A1

6	55935568	C	A	COL21A1
6	55988870	G	C	COL21A1
6	55988871	G	T	COL21A1
6	56033094	G	A	COL21A1
6	56035494	C	T	COL21A1
6	56035643	A	G	COL21A1
6	56035853	A	T	COL21A1
6	56327849	C	T	DST
6	56351972	G	C	DST
6	56373536	C	T	DST
6	56380391	G	A	DST
6	56417095	T	A	DST
6	56417282	C	T	DST
6	56420158	C	T	DST
6	56434712	G	T	DST
6	56437021	A	G	DST
6	56457044	T	C	DST
6	56463410	T	C	DST
6	56479215	T	A	DST
6	56480500	T	C	DST
6	56481864	G	A	DST
6	56482801	C	G	DST
6	56482923	A	G	DST
6	56483052	T	C	DST
6	56484783	G	A	DST
6	56485023	T	C	DST
6	56504402	G	C	DST
6	56504842	C	T	DST
6	56505081	G	C	DST
6	56505306	T	C	DST
6	56507489	A	G	DST
6	56569113	T	C	DST
6	56765341	C	T	DST
6	56819277	A	G	DST
6	56819326	G	C	DST
6	56879990	A	C	BEND6
6	56917538	G	A	KIAA1586
6	56918118	A	G	KIAA1586
6	56918829	C	T	KIAA1586
6	56919443	A	G	KIAA1586
6	56919520	A	T	KIAA1586
6	56965446	G	C	ZNF451
6	56965696	C	G	ZNF451

6	56999585	C	A	ZNF451
6	57012673	C	T	ZNF451
6	57055354	C	T	RAB23
6	57061345	A	C	RAB23
6	62390920	G	A	KHDRBS2
6	62407138	T	C	KHDRBS2
6	63990515	A	G	LGSN
6	63990545	A	G	LGSN
6	63990648	A	G	LGSN
6	64394066	A	G	PHF3
6	64395196	G	A	PHF3
6	64401709	G	A	PHF3
6	64404642	G	C	PHF3
6	64422505	G	A	PHF3
6	64488001	T	C	EYS
6	64498055	T	A	EYS
6	64694354	C	T	EYS
6	65016935	A	T	EYS
6	65149147	T	C	EYS
6	65149185	T	A	EYS
6	65300143	G	C	EYS
6	65300145	A	G	EYS
6	65300250	C	G	EYS
6	65300869	G	A	EYS
6	65301211	T	C	EYS
6	65301217	G	A	EYS
6	65301408	A	G	EYS
6	65301504	A	G	EYS
6	65301679	T	C	EYS
6	65301787	G	C	EYS
6	65303100	T	C	EYS
6	65622463	A	G	EYS
6	65707500	T	C	EYS
6	65767506	C	T	EYS
6	66005857	T	A	EYS
6	66042231	T	G	EYS
6	66044927	T	C	EYS
6	66053934	T	G	EYS
6	66112410	T	A	EYS
6	66204945	G	A	EYS
6	66204970	C	T	EYS
6	70407465	A	T	LMBRD1
6	70411362	C	-	LMBRD1

6	70733547	C	G	COL19A1
6	70873265	C	G	COL19A1
6	70890368	G	T	COL19A1
6	70916662	C	T	COL19A1
6	70944257	T	C	COL9A1
6	70944597	C	T	COL9A1
6	70972993	T	C	COL9A1
6	70984436	A	G	COL9A1
6	70990715	C	T	COL9A1
6	70990717	G	A	COL9A1
6	71190687	G	A	FAM135A
6	71238105	A	G	FAM135A
6	71289189	A	G	SDHAF4
6	71377781	C	A	SMAP1
6	71508415	C	T	SMAP1
6	71546702	C	T	SMAP1
6	71569066	-	CAT	SMAP1
6	71569090	T	C	SMAP1
6	72011580	AGA	-	OGFRL1
6	72892633	G	A	RIMS1
6	73904557	C	T	KCNQ5
6	73951389	T	C	KHDC1
6	73951407	C	T	KHDC1
6	74019338	G	A	KHDC1
6	74019376	T	C	KHDC1
6	74072937	G	C	KHDC3L
6	74073531	C	G	KHDC3L
6	74079072	G	A	OOEP
6	74079464	C	T	OOEP
6	74079494	C	T	OOEP
6	74125875	A	G	DDX43
6	74125888	A	G	DDX43
6	74155346	G	T	MB21D1
6	74155412	A	G	MB21D1
6	74161604	C	T	MB21D1
6	74161801	G	T	MB21D1
6	74161855	G	C	MB21D1
6	74183172	C	T	MTO1
6	74189551	A	G	MTO1
6	74192255	G	A	MTO1
6	74331606	G	A	SLC17A5
6	74331619	C	T	SLC17A5
6	74440104	G	A	CD109

6	74446214	A	G	CD109
6	74473330	C	A	CD109
6	74475675	G	A	CD109
6	74475791	C	G	CD109
6	74481186	C	T	CD109
6	74493432	A	C	CD109
6	74493537	C	T	CD109
6	74496984	A	G	CD109
6	74497009	A	G	CD109
6	74497102	G	A	CD109
6	74497152	G	A	CD109
6	74516631	G	A	CD109
6	74521947	C	T	CD109
6	74524822	A	G	CD109
6	74528122	C	T	CD109
6	74528127	A	G	CD109
6	75797302	C	T	COL12A1
6	75814950	A	G	COL12A1
6	75834860	G	A	COL12A1
6	75834971	T	A	COL12A1
6	75836079	A	G	COL12A1
6	75848181	A	G	COL12A1
6	75848630	C	G	COL12A1
6	75898153	T	A	COL12A1
6	76022171	G	A	FILIP1
6	76022192	C	T	FILIP1
6	76024220	C	T	FILIP1
6	76024704	G	A	FILIP1
6	76024856	T	C	FILIP1
6	76331308	A	G	SENP6
6	76344431	C	T	SENP6
6	76369044	A	G	SENP6
6	76373006	A	G	SENP6
6	76385170	A	G	SENP6
6	76412746	A	T	SENP6
6	76425288	A	G	SENP6
6	76542642	G	A	MYO6
6	76558195	C	T	MYO6
6	76596587	C	T	MYO6
6	76624538	G	A	MYO6
6	76631823	C	T	IMPG1
6	76633385	C	T	IMPG1
6	76640781	C	T	IMPG1

6	76640803	G	A	<i>IMPG1</i>
6	76657130	G	A	<i>IMPG1</i>
6	76660397	T	C	<i>IMPG1</i>
6	76660551	G	C	<i>IMPG1</i>
6	76728524	C	T	<i>IMPG1</i>
6	76751738	C	T	<i>IMPG1</i>
6	78172750	A	C	<i>HTR1B</i>
6	79577412	C	G	<i>IRAK1BP1</i>
6	79577426	C	G	<i>IRAK1BP1</i>
6	79595096	C	T	<i>IRAK1BP1</i>
6	79675701	A	G	<i>PHIP</i>
6	79692751	G	A	<i>PHIP</i>
6	79708000	A	C	<i>PHIP</i>
6	80196848	C	T	<i>LCA5</i>
6	80228535	T	G	<i>LCA5</i>
6	80228541	A	G	<i>LCA5</i>
6	80626456	C	G	<i>ELOVL4</i>
6	80626470	A	G	<i>ELOVL4</i>
6	80634687	A	T	<i>ELOVL4</i>
6	80717676	C	T	<i>TTK</i>
6	80720614	C	T	<i>TTK</i>
6	82461465	C	G	<i>FAM46A</i>
6	82461524	C	A	<i>FAM46A</i>
6	82900811	G	A	<i>IBTK</i>
6	83075648	G	A	<i>TPBG</i>
6	83075649	C	A	<i>TPBG</i>
6	83667038	G	T	<i>UBE3D</i>
6	83667045	C	T	<i>UBE3D</i>
6	83754169	G	T	<i>UBE3D</i>
6	83831730	C	T	<i>DOPEY1</i>
6	83838673	G	A	<i>DOPEY1</i>
6	83838852	G	A	<i>DOPEY1</i>
6	83838973	A	G	<i>DOPEY1</i>
6	83847305	C	A	<i>DOPEY1</i>
6	83847326	C	G	<i>DOPEY1</i>
6	83848454	A	G	<i>DOPEY1</i>
6	83880167	C	T	<i>PGM3</i>
6	83881667	G	T	<i>PGM3</i>
6	83885724	T	A	<i>PGM3</i>
6	84025099	G	A	<i>ME1</i>
6	84108085	C	T	<i>ME1</i>
6	84108200	T	A	<i>ME1</i>
6	84233831	G	A	<i>PRSS35</i>

6	84303230	T	C	SNAP91
6	84632166	A	G	CYB5R4
6	84644445	C	T	CYB5R4
6	84798956	G	A	MRAP2
6	84881373	C	T	CEP162
6	84884583	G	C	CEP162
6	84884619	T	C	CEP162
6	84903394	C	G	CEP162
6	84925066	A	G	CEP162
6	84925536	T	C	CEP162
6	84925582	C	T	CEP162
6	85446837	T	G	TBX18
6	86195033	G	A	NT5E
6	86199233	A	G	NT5E
6	86199243	T	C	NT5E
6	86253397	T	C	SNX14
6	86257229	T	G	SNX14
6	86282090	C	A	SNX14
6	87725837	C	T	HTR1E
6	87953322	T	G	ZNF292
6	87967636	A	G	ZNF292
6	87968071	T	C	ZNF292
6	87968374	C	T	ZNF292
6	87968565	A	G	ZNF292
6	87969480	G	A	ZNF292
6	87970650	G	A	ZNF292
6	87994015	A	G	GJB7
6	87994101	G	A	GJB7
6	87994504	C	T	GJB7
6	87994572	G	A	GJB7
6	88119649	CT	-	CFAP206
6	88123532	G	A	CFAP206
6	88123549	G	A	CFAP206
6	88125455	T	C	CFAP206
6	88125473	A	G	CFAP206
6	88125542	G	A	CFAP206
6	88125581	G	A	CFAP206
6	88126423	G	C	CFAP206
6	88140811	C	A	CFAP206
6	88173748	G	A	CFAP206
6	88187196	A	G	SLC35A1
6	88231226	T	C	RARS2
6	88240570	C	T	RARS2

6	88258318	T	C	RARS2
6	88318883	G	A	ORC3
6	88853738	G	T	CNR1
6	89601534	C	T	RNGTT
6	89808350	G	C	SRSF12
6	89808355	T	C	SRSF12
6	89814896	TTC	-	SRSF12
6	89868078	A	G	PM20D2
6	89910949	G	A	GABRR1
6	89913209	C	T	GABRR1
6	89926966	T	C	GABRR1
6	89967489	C	T	GABRR2
6	89967498	G	A	GABRR2
6	89974304	T	A	GABRR2
6	89975446	G	A	GABRR2
6	89978866	C	T	GABRR2
6	90082231	C	T	RRAGD
6	90276733	G	A	ANKRD6
6	90315771	C	G	ANKRD6
6	90315789	A	G	ANKRD6
6	90326360	C	T	ANKRD6
6	90337366	G	A	ANKRD6
6	90338912	G	C	ANKRD6
6	90340383	A	G	ANKRD6
6	90354789	G	A	MDN1
6	90360559	A	G	MDN1
6	90362783	A	C	MDN1
6	90371215	T	C	MDN1
6	90372551	TCTTCCTCCTC.	-	MDN1
6	90372566	TCC	-	MDN1
6	90372574	A	C	MDN1
6	90374283	A	G	MDN1
6	90383869	C	T	MDN1
6	90390443	C	A	MDN1
6	90397132	G	C	MDN1
6	90399761	C	A	MDN1
6	90399799	C	T	MDN1
6	90402482	G	A	MDN1
6	90406194	T	C	MDN1
6	90408618	T	C	MDN1
6	90409402	T	G	MDN1
6	90415894	T	C	MDN1
6	90432767	C	T	MDN1

6	90448092	C	T	MDN1
6	90450026	T	A	MDN1
6	90458979	T	C	MDN1
6	90461171	A	G	MDN1
6	90497589	A	C	MDN1
6	90504463	C	G	MDN1
6	90572138	G	A	CASP8AP2
6	90573046	A	G	CASP8AP2
6	90576966	A	C	CASP8AP2
6	90577876	G	T	CASP8AP2
6	90578147	G	A	CASP8AP2
6	90578267	ATC	-	CASP8AP2
6	90605130	C	T	GJA10
6	90605513	T	A	GJA10
6	90605577	G	A	GJA10
6	90605664	C	T	GJA10
6	90660581	C	T	BACH2
6	90660954	G	C	BACH2
6	90661242	C	T	BACH2
6	91254280	C	T	MAP3K7
6	94066676	G	C	EPHA7
6	94120219	G	A	EPHA7
6	94120639	T	C	EPHA7
6	96034560	C	T	MANEA
6	96053922	T	A	MANEA
6	96054043	T	C	MANEA
6	96054069	C	T	MANEA
6	96651198	C	A	FUT9
6	96651740	A	G	FUT9
6	97051593	G	A	FHL5
6	97058515	G	A	FHL5
6	97058553	A	G	FHL5
6	97063522	C	G	FHL5
6	97246485	T	C	GPR63
6	97247547	C	T	GPR63
6	97512577	A	G	KLHL32
6	97599674	G	A	MMS22L
6	97613299	G	A	MMS22L
6	97626374	A	G	MMS22L
6	97629889	A	G	MMS22L
6	97677118	G	A	MMS22L
6	99365371	A	G	FBXL4
6	99374760	A	T	FBXL4

6	99729213	T	C	FAXC
6	99796993	G	C	FAXC
6	99817543	C	T	COQ3
6	99817601	A	G	COQ3
6	99819306	G	A	COQ3
6	99819379	T	C	COQ3
6	99823941	C	T	COQ3
6	99825348	T	C	COQ3
6	99848591	C	T	PNISR
6	99849010	TCG	-	PNISR
6	99885246	G	T	USP45
6	99887677	C	T	USP45
6	99894086	C	G	USP45
6	99894100	C	A	USP45
6	99912594	C	T	USP45
6	99930627	A	G	USP45
6	99936132	C	A	USP45
6	99956560	T	C	USP45
6	100390957	C	T	MCHR2
6	100838419	C	G	SIM1
6	100868721	G	A	SIM1
6	100957344	T	C	ASCC3
6	100964147	G	C	ASCC3
6	100966006	C	T	ASCC3
6	101079008	T	G	ASCC3
6	101296389	G	A	ASCC3
6	102516260	G	A	GRIK2
6	105233073	T	C	HACE1
6	105526501	A	G	LIN28B
6	105563677	A	G	BVES
6	105609468	C	T	POPDC3
6	105609515	C	T	POPDC3
6	106536253	G	A	PRDM1
6	106543549	A	G	PRDM1
6	106547372	C	G	PRDM1
6	106552892	G	C	PRDM1
6	106553096	G	A	PRDM1
6	106553257	G	C	PRDM1
6	106960433	G	A	AIM1
6	106960650	A	G	AIM1
6	106967185	A	C	AIM1
6	106967614	C	T	AIM1
6	106967778	T	C	AIM1

6	106968250	G	T	AIM1
6	106969266	T	C	AIM1
6	106975277	T	G	AIM1
6	106978190	C	T	AIM1
6	106987370	A	C	AIM1
6	106991361	T	C	AIM1
6	106999822	G	A	AIM1
6	107001414	A	T	AIM1
6	107003686	G	A	AIM1
6	107076767	G	T	RTN4IP1
6	107100396	A	G	QRSL1
6	107351312	G	A	C6orf203
6	107420474	A	C	BEND3
6	107566787	C	T	PDSS2
6	107955369	C	T	SOBP
6	108067907	C	T	SCML4
6	108068003	C	T	SCML4
6	108204320	CTT	-	SEC63
6	108395700	C	G	OSTM1
6	108395722	T	C	OSTM1
6	108677977	G	A	LACE1
6	108831463	A	G	LACE1
6	108840919	C	T	LACE1
6	108843547	T	G	LACE1
6	109175625	A	C	ARMC2
6	109190126	G	T	ARMC2
6	109220980	C	T	ARMC2
6	109274276	C	T	ARMC2
6	109283300	G	A	ARMC2
6	109323519	G	T	SESN1
6	109690073	C	T	CD164
6	109752451	T	C	PPIL6
6	109763498	C	G	SMPD2
6	109764535	G	T	SMPD2
6	109767930	G	T	MICAL1
6	109767931	C	T	MICAL1
6	109768568	G	T	MICAL1
6	109771691	G	A	MICAL1
6	109774960	C	T	MICAL1
6	109787398	T	A	ZBTB24
6	109787476	C	T	ZBTB24
6	109787596	C	T	ZBTB24
6	109803084	C	T	ZBTB24

6	109827716	C	T	AK9
6	109850233	C	A	AK9
6	109885396	A	G	AK9
6	109885417	T	G	AK9
6	109894773	T	A	AK9
6	109900765	C	A	AK9
6	109935484	G	A	AK9
6	109935606	A	G	AK9
6	109954145	G	A	AK9
6	110036336	T	C	FIG4
6	110064928	A	T	FIG4
6	110536489	C	G	CDC40
6	110567409	G	A	METTTL24
6	110620177	T	C	METTTL24
6	110636603	C	T	METTTL24
6	110714025	C	T	DDO
6	110714040	C	T	DDO
6	110714205	C	T	DDO
6	110714439	G	C	DDO
6	110726101	C	T	DDO
6	110759957	G	T	SLC22A16
6	110760008	A	G	SLC22A16
6	110763506	G	A	SLC22A16
6	110763875	A	G	SLC22A16
6	110768128	G	A	SLC22A16
6	110768155	C	T	SLC22A16
6	110778128	T	C	SLC22A16
6	111279977	-	GGC	GTF3C6
6	111288941	T	C	GTF3C6
6	111320929	A	G	RPF2
6	111498785	A	G	SLC16A10
6	111543412	A	C	SLC16A10
6	111583530	G	C	KIAA1919
6	111587204	A	G	KIAA1919
6	111587259	C	T	KIAA1919
6	111587310	T	A	KIAA1919
6	111587311	A	T	KIAA1919
6	111587579	-	C	KIAA1919
6	111628626	C	T	REV3L
6	111688947	T	A	REV3L
6	111689082	C	T	REV3L
6	111695554	T	C	REV3L
6	111695863	T	A	REV3L

6	111696091	T	C	REV3L
6	111697630	TCTTTA	-	REV3L
6	111702530	A	T	REV3L
6	111896863	T	C	TRAF3IP2
6	111901453	G	T	TRAF3IP2
6	111901465	G	T	TRAF3IP2
6	111913009	C	T	TRAF3IP2
6	111913070	G	A	TRAF3IP2
6	111913185	-	GGT	TRAF3IP2
6	111913262	C	T	TRAF3IP2
6	111983038	G	C	FYN
6	112015652	T	C	FYN
6	112382236	C	A	WISP3
6	112382313	G	T	WISP3
6	112393215	C	T	TUBE1
6	112397201	G	A	TUBE1
6	112420515	G	A	FAM229B
6	112457383	G	C	LAMA4
6	112457390	C	T	LAMA4
6	112460365	C	T	LAMA4
6	112471715	C	T	LAMA4
6	112486397	G	A	LAMA4
6	112493872	A	G	LAMA4
6	112508755	G	C	LAMA4
6	112508770	G	T	LAMA4
6	112522852	G	A	LAMA4
6	112671611	G	A	RFPL4B
6	114378722	A	T	HS3ST5
6	114379122	G	A	HS3ST5
6	114379184	G	A	HS3ST5
6	116325108	G	A	FRK
6	116325142	C	T	FRK
6	116381177	T	C	FRK
6	116422098	C	T	NT5DC1
6	116441646	C	G	COL10A1
6	116442686	C	T	COL10A1
6	116442897	C	T	COL10A1
6	116446506	A	T	COL10A1
6	116446576	A	G	COL10A1
6	116558231	G	A	NT5DC1
6	116559406	T	G	NT5DC1
6	116573958	C	T	TSPYL4
6	116574452	C	T	TSPYL4

6	116574703	G	T	TSPYL4
6	116574940	C	T	TSPYL4
6	116574977	A	C	TSPYL4
6	116575083	C	A	TSPYL4
6	116575116	G	T	TSPYL4
6	116599859	T	C	TSPYL1
6	116599896	G	T	TSPYL1
6	116600616	C	A	TSPYL1
6	116720466	G	T	DSE
6	116720487	C	T	DSE
6	116720514	C	T	DSE
6	116752290	A	G	DSE
6	116784797	G	A	FAM26F
6	116833053	T	C	FAM26E
6	116836826	C	T	FAM26E
6	116866658	C	T	TRAPPC3L
6	116879222	C	T	FAM26D
6	116938232	C	G	RSPH4A
6	116943975	G	A	RSPH4A
6	116949359	G	A	RSPH4A
6	116950734	G	A	RSPH4A
6	116951678	A	C	RSPH4A
6	116953443	C	T	RSPH4A
6	116968684	T	C	ZUFSP
6	116987961	C	T	ZUFSP
6	117083172	C	T	FAM162B
6	117086378	C	A	FAM162B
6	117113315	G	A	GPRC6A
6	117113432	G	T	GPRC6A
6	117113761	-	GG	GPRC6A
6	117113762	-	A	GPRC6A
6	117113765	-	TCC	GPRC6A
6	117114050	G	A	GPRC6A
6	117114290	A	G	GPRC6A
6	117128159	C	T	GPRC6A
6	117128308	C	T	GPRC6A
6	117130544	A	C	GPRC6A
6	117130704	G	A	GPRC6A
6	117150008	G	A	GPRC6A
6	117246670	G	C	RFX6
6	117248343	C	A	RFX6
6	117250084	C	T	RFX6
6	117622184	G	C	ROS1

6	117622188	T	G	ROS1
6	117622233	C	T	ROS1
6	117631301	C	T	ROS1
6	117663563	C	T	ROS1
6	117683821	G	A	ROS1
6	117708999	G	A	ROS1
6	117710661	T	C	ROS1
6	117715381	A	G	ROS1
6	117724379	C	T	ROS1
6	117725448	T	G	ROS1
6	117825028	A	G	DCBLD1
6	118606403	G	A	SLC35F1
6	118791804	T	C	CEP85L
6	118803091	C	G	CEP85L
6	118812811	TGT	-	CEP85L
6	118886961	G	T	CEP85L
6	118887053	T	G	CEP85L
6	118887303	T	C	CEP85L
6	119136133	T	C	MCM9
6	119136759	A	C	MCM9
6	119137275	T	A	MCM9
6	119137423	G	A	MCM9
6	119147356	G	C	MCM9
6	119234579	T	C	MCM9
6	119281312	CTGGAGAAGCC-		FAM184A
6	119297143	T	A	FAM184A
6	119327632	C	T	FAM184A
6	119341211	C	T	FAM184A
6	119345551	C	T	FAM184A
6	119510904	C	T	MAN1A1
6	121401996	T	G	TBC1D32
6	121402024	G	A	TBC1D32
6	121412114	G	A	TBC1D32
6	121562641	C	T	TBC1D32
6	121577370	T	C	TBC1D32
6	121602785	T	A	TBC1D32
6	121625681	C	T	TBC1D32
6	121625945	A	G	TBC1D32
6	121638666	G	A	TBC1D32
6	121638682	G	A	TBC1D32
6	121642851	C	T	TBC1D32
6	121768751	C	T	GJA1
6	122768315	G	T	SERINC1

6	122773119	T	C	SERINC1
6	122773136	T	G	SERINC1
6	122774962	G	A	SERINC1
6	123122464	C	T	SMPDL3A
6	123124942	A	C	SMPDL3A
6	123126106	T	G	SMPDL3A
6	123332273	G	A	CLVS2
6	123594510	-	A	TRDN
6	123658776	G	T	TRDN
6	123673686	T	C	TRDN
6	123687288	A	C	TRDN
6	123696766	G	T	TRDN
6	123868506	C	T	TRDN
6	123869607	G	C	TRDN
6	123869623	C	T	TRDN
6	125379112	G	A	RNF217
6	125379202	A	G	RNF217
6	125397891	G	A	RNF217
6	125541286	T	C	TPD52L1
6	126072990	A	T	HEY2
6	126080823	G	A	HEY2
6	126176350	A	G	NCOA7
6	126202315	C	T	NCOA7
6	126249914	T	G	NCOA7
6	126295959	GGTTTGTC AAT	-	HINT3
6	126329589	A	G	TRMT11
6	126332554	A	G	TRMT11
6	126661502	G	T	CENPW
6	126667415	C	T	CENPW
6	127469804	G	A	RSPO3
6	127767954	G	A	KIAA0408
6	127768021	G	T	KIAA0408
6	127768472	G	A	KIAA0408
6	127771400	A	G	KIAA0408
6	127837039	C	T	SOGA3
6	127898374	T	G	C6orf58
6	128040839	T	C	THEMIS
6	128134516	C	T	THEMIS
6	128150708	T	C	THEMIS
6	128404958	C	T	PTPRK
6	128643194	T	C	PTPRK
6	129470136	G	A	LAMA2
6	129513837	A	G	LAMA2

6	129513850	T	A	LAMA2
6	129571272	G	A	LAMA2
6	129571330	G	A	LAMA2
6	129601231	C	T	LAMA2
6	129612765	G	T	LAMA2
6	129635800	G	A	LAMA2
6	129670493	C	T	LAMA2
6	129687396	G	A	LAMA2
6	129722453	C	A	LAMA2
6	129762036	A	G	LAMA2
6	129813053	A	G	LAMA2
6	129959721	C	T	ARHGAP18
6	130031215	T	C	ARHGAP18
6	130152520	A	C	TMEM244
6	130154667	T	C	TMEM244
6	130154686	A	G	TMEM244
6	130154706	G	A	TMEM244
6	130374102	C	A	L3MBTL3
6	130415458	C	T	L3MBTL3
6	130460791	A	G	L3MBTL3
6	130467238	G	A	SAMD3
6	130505611	C	T	SAMD3
6	130762619	T	C	TMEM200A
6	131179302	C	G	EPB41L2
6	131222201	G	A	EPB41L2
6	131277390	G	A	EPB41L2
6	131481307	A	G	AKAP7
6	131486330	A	G	AKAP7
6	131520655	G	A	AKAP7
6	131520691	A	G	AKAP7
6	131602819	G	A	AKAP7
6	131897807	G	A	ARG1
6	131971244	C	T	ENPP3
6	132045180	A	G	ENPP3
6	132061420	G	A	ENPP3
6	132172368	A	C	ENPP1
6	132206079	C	T	ENPP1
6	132636820	C	G	MOXD1
6	132645195	C	T	MOXD1
6	132791158	C	A	STX7
6	132874406	T	C	TAAR8
6	132891675	C	T	TAAR6
6	132891756	A	G	TAAR6

6	132891977	T	C	TAAR6
6	132892017	G	A	TAAR6
6	132892143	C	T	TAAR6
6	132892253	G	A	TAAR6
6	132909838	G	A	TAAR5
6	132909888	C	T	TAAR5
6	132910243	G	T	TAAR5
6	132910432	G	A	TAAR5
6	132910543	A	G	TAAR5
6	132910707	G	T	TAAR5
6	132938842	C	T	TAAR2
6	132966997	G	A	TAAR1
6	133013544	T	C	VNN1
6	133015193	C	T	VNN1
6	133015264	G	C	VNN1
6	133015271	T	C	VNN1
6	133035098	G	A	VNN1
6	133070995	G	T	VNN2
6	133072571	C	T	VNN2
6	133073811	C	A	VNN2
6	133076999	C	T	VNN2
6	133078886	G	A	VNN2
6	133091458	A	T	SLC18B1
6	133092199	T	C	SLC18B1
6	133097543	C	A	SLC18B1
6	133105120	C	T	SLC18B1
6	133118216	A	G	SLC18B1
6	133119564	C	A	SLC18B1
6	133789728	G	A	EYA4
6	133789765	C	T	EYA4
6	134210598	C	G	TCF21
6	134210600	G	T	TCF21
6	134303785	C	A	TBPL1
6	134583160	G	C	SGK1
6	134583262	T	C	SGK1
6	135239758	G	C	ALDH8A1
6	135239816	G	T	ALDH8A1
6	135239941	T	C	ALDH8A1
6	135271176	C	T	ALDH8A1
6	135303626	T	C	HBS1L
6	135357790	C	T	HBS1L
6	135358334	G	A	HBS1L
6	135358904	T	C	HBS1L

6	135360827	A	G	HBS1L
6	135611646	T	C	AHI1
6	135639715	G	A	AHI1
6	135732649	T	C	AHI1
6	135751024	G	A	AHI1
6	135752425	G	A	AHI1
6	135768282	C	T	AHI1
6	135787184	C	T	AHI1
6	136552492	C	T	MTFR2
6	136560616	C	T	MTFR2
6	136594277	G	A	BCLAF1
6	136594326	-	TTTAACATGATG	BCLAF1
6	136594326	-	TTTAACA	BCLAF1
6	136594327	-	TTAACATGATG	BCLAF1
6	136594327	-	TTAACATGATG	BCLAF1
6	136597378	G	A	BCLAF1
6	136597389	G	A	BCLAF1
6	136597449	G	C	BCLAF1
6	136597456	C	A	BCLAF1
6	136597599	G	A	BCLAF1
6	136599391	C	T	BCLAF1
6	136599429	T	C	BCLAF1
6	136599585	C	T	BCLAF1
6	136681926	T	G	MAP7
6	136682254	CTC	-	MAP7
6	136687065	C	T	MAP7
6	136882715	C	T	MAP3K5
6	136882717	G	A	MAP3K5
6	136888889	A	G	MAP3K5
6	136913666	-	GTC	MAP3K5
6	136977532	C	G	MAP3K5
6	137166790	A	C	PEX7
6	137219351	T	A	PEX7
6	137322833	C	A	IL20RA
6	137323213	G	A	IL20RA
6	137325847	C	T	IL20RA
6	137330486	C	T	IL20RA
6	137330503	G	T	IL20RA
6	137482840	A	G	IL22RA2
6	137519238	A	G	IFNGR1
6	137815120	G	A	OLIG3
6	138196066	T	G	TNFAIP3
6	138200216	C	T	TNFAIP3

6	138413333	G	C	<i>PERP</i>
6	138417574	C	G	<i>PERP</i>
6	138428303	C	T	<i>PERP</i>
6	138491807	G	A	<i>ARFGEF3</i>
6	138539183	-	G	<i>PBOV1</i>
6	138539315	A	G	<i>PBOV1</i>
6	138584685	T	G	<i>ARFGEF3</i>
6	138584691	T	C	<i>ARFGEF3</i>
6	138628503	G	A	<i>ARFGEF3</i>
6	138632588	G	A	<i>ARFGEF3</i>
6	138640920	C	T	<i>ARFGEF3</i>
6	138644833	G	A	<i>ARFGEF3</i>
6	138655607	AGG	-	<i>ARFGEF3</i>
6	138734169	A	C	<i>HEBP2</i>
6	138751629	G	C	<i>NHSL1</i>
6	138752030	C	T	<i>NHSL1</i>
6	138752066	G	A	<i>NHSL1</i>
6	138752841	G	A	<i>NHSL1</i>
6	138753437	C	A	<i>NHSL1</i>
6	138768300	A	C	<i>NHSL1</i>
6	138794490	G	A	<i>NHSL1</i>
6	139097232	C	T	<i>CCDC28A</i>
6	139113926	A	T	<i>CCDC28A</i>
6	139164200	C	T	<i>ECT2L</i>
6	139170553	G	T	<i>ECT2L</i>
6	139197609	G	A	<i>ECT2L</i>
6	139202137	T	C	<i>ECT2L</i>
6	139206872	G	A	<i>ECT2L</i>
6	139206888	C	T	<i>ECT2L</i>
6	139206935	C	T	<i>ECT2L</i>
6	139208020	T	A	<i>ECT2L</i>
6	139229872	C	T	<i>REPS1</i>
6	139232424	G	A	<i>REPS1</i>
6	139563914	C	G	<i>TXLNB</i>
6	139563937	G	A	<i>TXLNB</i>
6	139569043	T	C	<i>TXLNB</i>
6	139598010	G	A	<i>TXLNB</i>
6	139598043	A	G	<i>TXLNB</i>
6	139609687	C	T	<i>TXLNB</i>
6	142396790	G	T	<i>NMBR</i>
6	142397005	C	T	<i>NMBR</i>
6	142399964	T	C	<i>NMBR</i>
6	142468449	C	G	<i>VTA1</i>

6	142468536	T	A	VTA1
6	142539730	G	A	VTA1
6	142688811	C	T	ADGRG6
6	142691549	A	C	ADGRG6
6	142691777	G	T	ADGRG6
6	142758631	A	G	ADGRG6
6	143074516	G	A	HIVEP2
6	143074549	G	A	HIVEP2
6	143074632	G	T	HIVEP2
6	143091263	A	G	HIVEP2
6	143092151	T	C	HIVEP2
6	143092754	G	A	HIVEP2
6	143095100	T	C	HIVEP2
6	143095472	G	C	HIVEP2
6	143095633	C	G	HIVEP2
6	143095682	C	A	HIVEP2
6	143754985	G	A	ADAT2
6	143823112	G	A	FUCA2
6	143823157	T	C	FUCA2
6	143825146	T	A	FUCA2
6	143929450	G	A	PHACTR2
6	144081609	C	T	PHACTR2
6	144165695	C	T	LTV1
6	144184227	A	C	LTV1
6	144507790	T	G	STX11
6	144508563	G	A	STX11
6	144811319	A	G	UTRN
6	144820481	C	G	UTRN
6	144832189	G	A	UTRN
6	144835942	A	C	UTRN
6	144843212	T	A	UTRN
6	144852201	G	A	UTRN
6	144854281	G	T	UTRN
6	144854342	G	A	UTRN
6	144860448	G	A	UTRN
6	144869859	A	G	UTRN
6	144878377	A	G	UTRN
6	146007358	T	C	EPM2A
6	146126419	C	T	FBXO30
6	146126580	G	A	FBXO30
6	146243916	T	C	SHPRH
6	146268741	A	C	SHPRH
6	146273614	C	T	SHPRH

6	146720360	C	A	GRM1
6	146755132	G	A	GRM1
6	146755324	T	C	GRM1
6	146755561	C	G	GRM1
6	146993445	T	C	ADGB
6	146993525	A	G	ADGB
6	147022162	C	T	ADGB
6	147038089	G	T	ADGB
6	147047296	T	C	ADGB
6	147055043	G	A	ADGB
6	147062376	A	G	ADGB
6	147136244	A	G	ADGB
6	147635108	C	G	STXBP5
6	147635413	A	G	STXBP5
6	147636753	A	G	STXBP5
6	147830212	G	C	SAMD5
6	147830509	C	T	SAMD5
6	147885588	G	A	SAMD5
6	148789688	C	G	SASH1
6	148865065	G	A	SASH1
6	148865088	C	T	SASH1
6	148865257	A	G	SASH1
6	148865690	C	A	SASH1
6	148869462	G	A	SASH1
6	149068778	C	T	UST
6	149208157	C	G	UST
6	149721690	G	A	SUMO4
6	149783095	T	C	ZC3H12D
6	149795522	G	A	ZC3H12D
6	149903597	A	G	GINM1
6	149944336	C	G	KATNA1
6	150004634	G	A	LATS1
6	150005429	G	C	LATS1
6	150016315	T	C	LATS1
6	150022977	G	A	LATS1
6	150114745	G	A	PCMT1
6	150174278	A	C	LRP11
6	150209717	C	G	RAET1E
6	150210681	G	A	RAET1E
6	150211123	A	T	RAET1E
6	150212003	C	T	RAET1E
6	150239348	A	T	RAET1G
6	150342232	G	A	RAET1L

6	150386752	C	T	<i>ULBP3</i>
6	150390149	G	C	<i>ULBP3</i>
6	150710632	A	G	<i>IYD</i>
6	150715308	G	A	<i>IYD</i>
6	151055031	C	T	<i>PLEKHG1</i>
6	151151896	A	G	<i>PLEKHG1</i>
6	151161086	T	C	<i>PLEKHG1</i>
6	151161116	G	A	<i>PLEKHG1</i>
6	151161307	T	C	<i>PLEKHG1</i>
6	151161313	G	A	<i>PLEKHG1</i>
6	151161383	G	T	<i>PLEKHG1</i>
6	151161836	T	C	<i>PLEKHG1</i>
6	151270231	G	A	<i>MTHFD1L</i>
6	151669875	A	G	<i>AKAP12</i>
6	151670172	A	C	<i>AKAP12</i>
6	151670338	A	G	<i>AKAP12</i>
6	151670586	G	A	<i>AKAP12</i>
6	151670656	T	C	<i>AKAP12</i>
6	151671747	A	C	<i>AKAP12</i>
6	151672285	A	G	<i>AKAP12</i>
6	151672774	C	T	<i>AKAP12</i>
6	151672812	G	A	<i>AKAP12</i>
6	151673070	G	A	<i>AKAP12</i>
6	151673074	C	G	<i>AKAP12</i>
6	151673413	G	T	<i>AKAP12</i>
6	151673589	G	A	<i>AKAP12</i>
6	151674270	G	A	<i>AKAP12</i>
6	151674593	G	T	<i>AKAP12</i>
6	151687537	G	T	<i>ZBTB2</i>
6	151789709	A	G	<i>ARMT1</i>
6	151789868	G	A	<i>ARMT1</i>
6	151790096	C	T	<i>ARMT1</i>
6	151894340	C	T	<i>CCDC170</i>
6	151894505	T	C	<i>CCDC170</i>
6	151894567	G	A	<i>CCDC170</i>
6	151917660	G	A	<i>CCDC170</i>
6	151936677	G	A	<i>CCDC170</i>
6	151939181	G	A	<i>CCDC170</i>
6	152129063	C	T	<i>ESR1</i>
6	152265352	C	T	<i>ESR1</i>
6	152265443	A	G	<i>ESR1</i>
6	152443744	G	T	<i>SYNE1</i>
6	152453291	G	A	<i>SYNE1</i>

6	152454556	A	G	SYNE1
6	152461162	C	T	SYNE1
6	152469329	G	C	SYNE1
6	152469433	G	C	SYNE1
6	152470752	C	A	SYNE1
6	152472789	G	A	SYNE1
6	152501416	C	T	SYNE1
6	152532702	T	C	SYNE1
6	152540278	A	C	SYNE1
6	152551728	C	T	SYNE1
6	152570334	C	A	SYNE1
6	152615118	A	G	SYNE1
6	152615148	C	T	SYNE1
6	152629631	C	T	SYNE1
6	152640110	G	A	SYNE1
6	152647194	C	T	SYNE1
6	152647681	A	T	SYNE1
6	152651557	G	A	SYNE1
6	152652034	A	T	SYNE1
6	152665261	C	A	SYNE1
6	152671865	T	G	SYNE1
6	152674464	C	A	SYNE1
6	152679518	C	T	SYNE1
6	152686090	G	T	SYNE1
6	152690199	G	C	SYNE1
6	152708310	G	A	SYNE1
6	152712440	G	T	SYNE1
6	152720832	T	C	SYNE1
6	152722368	A	G	SYNE1
6	152730222	G	A	SYNE1
6	152737573	C	T	SYNE1
6	152746593	A	T	SYNE1
6	152746682	C	A	SYNE1
6	152757224	G	A	SYNE1
6	152762307	A	T	SYNE1
6	152762383	C	T	SYNE1
6	152768726	T	G	SYNE1
6	152772264	A	G	SYNE1
6	152774753	C	T	SYNE1
6	152777095	A	C	SYNE1
6	152779933	G	A	SYNE1
6	152784621	T	C	SYNE1
6	153019100	AGAT	-	MYCT1

6	153043035	G	A	MYCT1
6	153043077	C	T	MYCT1
6	153296052	C	A	FBX05
6	153296370	G	A	FBX05
6	153296472	T	C	FBX05
6	153296541	G	C	FBX05
6	154360696	C	T	OPRM1
6	154411110	C	G	OPRM1
6	154411211	C	T	OPRM1
6	154414446	A	T	OPRM1
6	154414496	A	G	OPRM1
6	154428666	C	T	OPRM1
6	154533930	G	A	IPCEF1
6	154567863	C	T	OPRM1
6	154732169	C	T	CNKSR3
6	154735496	T	C	CNKSR3
6	155129280	A	T	SCAF8
6	155143502	A	G	SCAF8
6	155153307	G	A	SCAF8
6	155154342	A	G	SCAF8
6	155450779	A	G	TIAM2
6	155451352	G	A	TIAM2
6	155458351	G	A	TIAM2
6	155497995	C	T	TIAM2
6	155504469	G	A	TIAM2
6	155504487	C	T	TIAM2
6	155561760	T	C	TIAM2
6	155561796	C	T	TIAM2
6	155575651	C	T	TIAM2
6	155577714	G	C	TIAM2
6	155577717	T	A	TIAM2
6	155577918	T	A	TIAM2
6	155596998	G	A	CLDN20
6	155597134	G	A	CLDN20
6	155761166	C	T	NOX3
6	155776182	G	A	NOX3
6	157150496	A	G	ARID1B
6	157431662	G	A	ARID1B
6	157454209	C	T	ARID1B
6	157527493	GAC	-	ARID1B
6	157744501	G	A	TMEM242
6	157744524	G	A	TMEM242
6	157803099	C	G	ZDHHC14

6	158074592	C	T	ZDHC14
6	158093942	G	A	ZDHC14
6	158317863	G	A	SNX9
6	158322995	G	A	SNX9
6	158349699	C	T	SNX9
6	158438287	C	T	SYNJ2
6	158487551	T	C	SYNJ2
6	158510956	G	A	SYNJ2
6	158516882	C	T	SYNJ2
6	158517308	A	G	SYNJ2
6	158910698	G	A	TULP4
6	158923055	C	T	TULP4
6	158923120	C	A	TULP4
6	158924338	C	T	TULP4
6	158925091	G	A	TULP4
6	158994513	T	G	TMEM181
6	159006373	A	C	TMEM181
6	159026327	G	A	TMEM181
6	159029487	C	T	TMEM181
6	159052862	C	T	TMEM181
6	159086521	G	T	SYTL3
6	159129392	G	T	SYTL3
6	159134911	G	-	SYTL3
6	159178345	C	T	SYTL3
6	159178390	C	T	SYTL3
6	159181723	C	T	SYTL3
6	159184512	G	A	SYTL3
6	159398700	C	T	RSPH3
6	159398803	C	T	RSPH3
6	159399348	A	G	RSPH3
6	159401898	C	T	RSPH3
6	159407416	C	T	RSPH3
6	159407446	C	T	RSPH3
6	159407447	G	A	RSPH3
6	159414899	T	C	RSPH3
6	159420735	G	A	RSPH3
6	159457826	C	G	TAGAP
6	159457869	T	A	TAGAP
6	159458006	G	T	TAGAP
6	159621087	C	T	FNDC1
6	159652931	G	C	FNDC1
6	159653330	G	A	FNDC1
6	159653544	G	A	FNDC1

6	159653891	G	C	<i>FNDC1</i>
6	159653921	G	A	<i>FNDC1</i>
6	159654194	C	T	<i>FNDC1</i>
6	159654699	C	T	<i>FNDC1</i>
6	159655080	A	-	<i>FNDC1</i>
6	159655084	C	G	<i>FNDC1</i>
6	159655326	T	C	<i>FNDC1</i>
6	159655403	C	A	<i>FNDC1</i>
6	159659662	G	A	<i>FNDC1</i>
6	159660915	C	A	<i>FNDC1</i>
6	159667972	C	T	<i>FNDC1</i>
6	159672511	A	T	<i>FNDC1</i>
6	159687181	C	T	<i>FNDC1</i>
6	160196343	A	G	<i>ACAT2</i>
6	160211636	G	A	<i>MRPL18</i>
6	160211646	GTT	-	<i>MRPL18</i>
6	160218443	G	T	<i>MRPL18</i>
6	160227053	A	C	<i>PNLDC1</i>
6	160328742	A	G	<i>MAS1</i>
6	160455520	G	C	<i>IGF2R</i>
6	160469510	C	G	<i>IGF2R</i>
6	160482649	A	G	<i>IGF2R</i>
6	160493009	C	T	<i>IGF2R</i>
6	160494409	A	G	<i>IGF2R</i>
6	160494928	A	G	<i>IGF2R</i>
6	160501175	G	A	<i>IGF2R</i>
6	160543080	G	A	<i>SLC22A1</i>
6	160543148	C	T	<i>SLC22A1</i>
6	160543229	T	C	<i>SLC22A1</i>
6	160551204	G	C	<i>SLC22A1</i>
6	160553314	C	T	<i>SLC22A1</i>
6	160557283	T	C	<i>SLC22A1</i>
6	160557643	C	T	<i>SLC22A1</i>
6	160560824	G	A	<i>SLC22A1</i>
6	160560845	A	G	<i>SLC22A1</i>
6	160564616	G	A	<i>SLC22A1</i>
6	160575837	G	A	<i>SLC22A1</i>
6	160577011	G	A	<i>SLC22A1</i>
6	160670282	A	C	<i>SLC22A2</i>
6	160679656	-	T	<i>SLC22A2</i>
6	160831796	G	A	<i>SLC22A3</i>
6	160952780	C	T	<i>LPA</i>
6	160953642	A	G	<i>LPA</i>

6	160961137	T	C	LPA
6	160998312	C	A	LPA
6	161007496	G	C	LPA
6	161007538	G	C	LPA
6	161022107	C	T	LPA
6	161135876	A	G	PLG
6	161152206	T	A	PLG
6	161152240	G	A	PLG
6	161152905	C	T	PLG
6	161455395	C	G	MAP3K4
6	161469774	G	A	MAP3K4
6	161470278	A	G	MAP3K4
6	161491684	G	T	MAP3K4
6	161508880	A	C	MAP3K4
6	161512446	T	A	MAP3K4
6	161771219	G	A	PARK2
6	161781201	G	A	PARK2
6	161781225	C	T	PARK2
6	161807855	C	G	PARK2
6	162206852	G	A	PARK2
6	162683724	G	T	PARK2
6	163735945	C	T	PACRG
6	165703523	C	T	C6orf118
6	165706935	C	G	C6orf118
6	165712942	G	C	C6orf118
6	165713917	C	T	C6orf118
6	165715464	G	A	C6orf118
6	165808716	G	C	PDE10A
6	166572005	T	C	TRUE
6	166579270	C	T	TRUE
6	166739646	T	C	SFT2D1
6	166864686	G	A	RPS6KA2
6	167271711	T	C	RPS6KA2
6	167271716	T	C	RPS6KA2
6	167343141	G	A	RNASET2
6	167343204	C	T	RNASET2
6	167435928	C	T	FGFR1OP
6	167438276	G	T	FGFR1OP
6	167438338	G	A	FGFR1OP
6	167571030	C	T	GPR31
6	167571048	T	C	GPR31
6	167709702	G	A	UNC93A
6	167709705	G	A	UNC93A

6	167717457	C	T	UNC93A
6	167719436	G	A	UNC93A
6	167719445	G	A	UNC93A
6	167719484	G	A	UNC93A
6	167753788	G	A	TTLL2
6	167754049	G	C	TTLL2
6	167754661	A	G	TTLL2
6	167754710	A	C	TTLL2
6	167754975	G	T	TTLL2
6	167755063	G	A	TTLL2
6	167789463	T	C	TCP10
6	167796309	C	T	TCP10
6	168312075	A	G	MLLT4
6	168366557	C	T	MLLT4
6	168440826	C	G	KIF25
6	168442687	A	C	KIF25
6	168442765	G	A	KIF25
6	168461516	C	T	FRMD1
6	168461663	T	C	FRMD1
6	168463624	G	A	FRMD1
6	168464402	C	T	FRMD1
6	168467448	C	T	FRMD1
6	168708369	T	A	DACT2
6	168708377	C	T	DACT2
6	168708686	C	T	DACT2
6	168708816	T	G	DACT2
6	168708887	A	G	DACT2
6	168709209	G	C	DACT2
6	168709234	-	CCCCTGCCGGC	DACT2
6	169053866	G	A	SMOC2
6	169064783	A	G	SMOC2
6	169621600	G	A	THBS2
6	169626325	C	T	THBS2
6	169648775	C	T	THBS2
6	169648967	C	T	THBS2
6	170002323	C	T	WDR27
6	170013751	C	-	WDR27
6	170033086	G	A	WDR27
6	170036466	C	A	WDR27
6	170038696	G	A	WDR27
6	170043831	A	C	WDR27
6	170058374	C	T	WDR27
6	170059234	C	G	WDR27

6	170059557	G	A	WDR27
6	170060843	G	A	WDR27
6	170070723	A	G	WDR27
6	170102748	A	G	C6orf120
6	170105313	G	A	PHF10
6	170144228	C	A	TCTE3
6	170144292	T	C	TCTE3
6	170155477	A	G	ERMARD
6	170169688	A	G	ERMARD
6	170169738	A	G	ERMARD
6	170173427	G	A	ERMARD
6	170175416	-	GAAGA	ERMARD
6	170176146	G	A	ERMARD
6	170176467	A	G	ERMARD
6	170176648	A	G	ERMARD
6	170592386	G	A	DLL1
6	170592563	TGT	-	DLL1
6	170628009	T	G	FAM120B
6	170862300	G	C	PSMB1
7	193503	C	A	FAM20C
7	195594	G	A	FAM20C
7	751025	T	C	PRKAR1B
7	780999	C	A	DNAAF5
7	803506	C	T	DNAAF5
7	810219	T	C	DNAAF5
7	814788	G	A	DNAAF5
7	881668	C	T	SUN1
7	883107	C	T	SUN1
7	891100	G	T	SUN1
7	940181	C	T	ADAP1
7	995003	G	C	ADAP1
7	995004	G	T	ADAP1
7	1024855	G	A	CYP2W1
7	1024861	C	G	CYP2W1
7	1037383	C	-	C7orf50
7	1040173	T	C	C7orf50
7	1049749	C	A	C7orf50
7	1097183	G	A	GPR146
7	1097255	T	C	GPR146
7	1097336	C	T	GPR146
7	1097555	G	A	GPR146
7	1132260	G	A	GPER1
7	1132483	T	G	GPER1

7	1192797	C	A	ZFAND2A
7	1197845	C	G	ZFAND2A
7	1474287	T	G	MICALL2
7	1477769	C	T	MICALL2
7	1479642	C	A	MICALL2
7	1479659	T	C	MICALL2
7	1480285	C	T	MICALL2
7	1481903	C	A	MICALL2
7	1484418	T	C	MICALL2
7	1484457	G	A	MICALL2
7	1484891	G	A	MICALL2
7	1486454	A	G	MICALL2
7	1487278	G	A	MICALL2
7	1488265	G	A	MICALL2
7	1515613	C	T	INTS1
7	1520077	T	C	INTS1
7	1523680	G	A	INTS1
7	1523686	C	T	INTS1
7	1523742	G	A	INTS1
7	1542732	C	T	INTS1
7	1587440	G	A	TMEM184A
7	1588319	C	T	TMEM184A
7	1594949	C	T	TMEM184A
7	1595005	C	T	TMEM184A
7	1608812	C	G	PSMG3
7	1784308	C	T	ELFN1
7	1785667	G	C	ELFN1
7	1976403	C	T	MAD1L1
7	1976457	C	T	MAD1L1
7	2255893	C	G	MAD1L1
7	2265161	G	A	MAD1L1
7	2289586	G	A	NUDT1
7	2290601	C	A	NUDT1
7	2294756	C	G	SNX8
7	2296552	A	G	SNX8
7	2296618	A	T	SNX8
7	2296622	A	T	SNX8
7	2400417	A	G	EIF3B
7	2416682	C	G	EIF3B
7	2472429	C	A	CHST12
7	2472455	A	T	CHST12
7	2565133	G	A	LFNG
7	2566518	G	A	LFNG

7	2577816	G	A	BRAT1
7	2578128	C	T	BRAT1
7	2579268	G	A	BRAT1
7	2581807	A	C	BRAT1
7	2582895	C	G	BRAT1
7	2582907	C	T	BRAT1
7	2623271	C	G	IQCE
7	2625862	C	T	IQCE
7	2625907	TGTC	CCGGAG -	IQCE
7	2629644	G	T	IQCE
7	2644519	C	T	IQCE
7	2645522	C	T	IQCE
7	2645526	G	A	IQCE
7	2645552	A	G	IQCE
7	2646796	G	A	IQCE
7	2649765	C	T	IQCE
7	2649777	C	T	IQCE
7	2671862	T	G	TTYH3
7	2692634	C	T	TTYH3
7	2752322	C	T	AMZ1
7	2752330	C	T	AMZ1
7	2752383	C	A	AMZ1
7	2802291	T	C	GNA12
7	2853995	C	T	GNA12
7	2854010	G	A	GNA12
7	2962848	G	A	CARD11
7	2963941	GGA	-	CARD11
7	2969649	T	G	CARD11
7	2983958	T	C	CARD11
7	3681647	C	G	SDK1
7	3991418	-	CCT	SDK1
7	3991439	G	A	SDK1
7	4002309	C	G	SDK1
7	4002375	G	A	SDK1
7	4014039	C	T	SDK1
7	4056945	G	A	SDK1
7	4116665	G	A	SDK1
7	4116699	C	T	SDK1
7	4119167	C	G	SDK1
7	4201448	C	T	SDK1
7	4213965	A	G	SDK1
7	4213975	A	G	SDK1
7	4218155	G	A	SDK1

7	4245589	C	T	SDK1
7	4308327	C	T	SDK1
7	4308362	C	T	SDK1
7	4801932	C	T	FOXK1
7	4801973	G	A	FOXK1
7	4821300	C	G	AP5Z1
7	4821352	G	C	AP5Z1
7	4824629	G	A	AP5Z1
7	4827859	G	A	AP5Z1
7	4841349	C	A	RADIL
7	4841452	C	G	RADIL
7	4841521	G	C	RADIL
7	4843307	T	C	RADIL
7	4856904	T	C	RADIL
7	4874735	C	T	RADIL
7	4876057	C	T	RADIL
7	4899694	T	C	PAPOLB
7	4900991	C	G	PAPOLB
7	4901191	T	C	PAPOLB
7	5112035	C	T	RBAK
7	5391702	C	G	TNRC18
7	5396715	T	C	TNRC18
7	5402432	C	T	TNRC18
7	5410365	G	A	TNRC18
7	5410425	G	C	TNRC18
7	5417170	G	A	TNRC18
7	5434107	G	A	TNRC18
7	5540244	A	C	FBXL18
7	5545119	C	T	FBXL18
7	5642987	C	T	FSCN1
7	5780794	G	A	RNF216
7	6026530	C	T	PMS2
7	6026607	T	A	PMS2
7	6026865	T	C	PMS2
7	6026988	G	A	PMS2
7	6031639	T	C	PMS2
7	6057598	C	A	AIMP2
7	6057621	T	A	AIMP2
7	6066450	T	C	EIF2AK1
7	6071028	G	A	ANKRD61
7	6071115	A	G	ANKRD61
7	6075823	A	T	ANKRD61
7	6080602	C	T	EIF2AK1

7	6080686	A	T	<i>EIF2AK1</i>
7	6175526	C	T	<i>USP42</i>
7	6189373	C	T	<i>USP42</i>
7	6189853	C	T	<i>USP42</i>
7	6189919	G	A	<i>USP42</i>
7	6193521	G	C	<i>USP42</i>
7	6193899	A	G	<i>USP42</i>
7	6194274	T	C	<i>USP42</i>
7	6194379	G	C	<i>USP42</i>
7	6226685	T	C	<i>CYTH3</i>
7	6370194	C	T	<i>FAM220A</i>
7	6370575	C	T	<i>FAM220A</i>
7	6370734	C	T	<i>FAM220A</i>
7	6449496	T	C	<i>DAGLB</i>
7	6449551	G	A	<i>DAGLB</i>
7	6449947	G	T	<i>DAGLB</i>
7	6474403	G	A	<i>DAGLB</i>
7	6476104	G	A	<i>DAGLB</i>
7	6476161	G	C	<i>DAGLB</i>
7	6550584	G	A	<i>GRID2IP</i>
7	6561105	T	C	<i>GRID2IP</i>
7	6591051	G	A	<i>GRID2IP</i>
7	6621277	G	A	<i>ZDHHC4</i>
7	6623017	T	C	<i>ZDHHC4</i>
7	6631283	A	G	<i>C7orf26</i>
7	6661186	G	T	<i>ZNF853</i>
7	6661256	C	G	<i>ZNF853</i>
7	6731672	G	C	<i>ZNF12</i>
7	6731803	G	A	<i>ZNF12</i>
7	6731866	A	G	<i>ZNF12</i>
7	6732315	A	C	<i>ZNF12</i>
7	7398301	C	A	<i>COL28A1</i>
7	7410391	A	C	<i>COL28A1</i>
7	7421206	C	T	<i>COL28A1</i>
7	7459554	G	T	<i>COL28A1</i>
7	7484086	G	A	<i>COL28A1</i>
7	7493075	G	A	<i>COL28A1</i>
7	7493097	C	G	<i>COL28A1</i>
7	7493114	G	C	<i>COL28A1</i>
7	7514293	T	C	<i>COL28A1</i>
7	7516808	G	C	<i>COL28A1</i>
7	7529037	C	G	<i>COL28A1</i>
7	7530225	C	A	<i>COL28A1</i>

7	7545691	G	C	COL28A1
7	7561580	T	C	COL28A1
7	7571094	G	C	COL28A1
7	7571115	C	T	COL28A1
7	7571257	A	G	COL28A1
7	7572488	C	T	COL28A1
7	7917092	T	C	UMAD1
7	11022560	C	G	PHF14
7	11091357	G	A	PHF14
7	11446658	A	G	THSD7A
7	11500372	C	T	THSD7A
7	11509561	G	C	THSD7A
7	11581121	T	C	THSD7A
7	11633116	C	T	THSD7A
7	12263971	G	A	TMEM106B
7	12269417	C	G	TMEM106B
7	12373139	A	C	VWDE
7	12376811	A	C	VWDE
7	12376835	C	T	VWDE
7	12391268	-	A	VWDE
7	12395759	A	C	VWDE
7	12395956	C	A	VWDE
7	12396938	C	G	VWDE
7	12396944	T	A	VWDE
7	12397130	G	C	VWDE
7	12400835	C	T	VWDE
7	12400837	G	A	VWDE
7	12401021	C	T	VWDE
7	12406989	C	G	VWDE
7	12409263	C	A	VWDE
7	12409327	C	T	VWDE
7	12409522	A	G	VWDE
7	12409924	C	T	VWDE
7	12412604	G	T	VWDE
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7	12428803	G	A	VWDE
7	12433347	C	T	VWDE
7	12620766	A	G	SCIN
7	12675690	G	A	SCIN
7	12675713	T	C	SCIN
7	13978809	T	C	ETV1
7	14188806	C	T	DGKB

7	14880830	T	A	DGKB
7	15405811	A	C	AGMO
7	15425180	C	T	AGMO
7	15470713	C	T	AGMO
7	15601409	-	AA	AGMO
7	15652068	T	G	MEOX2
7	15725607	C	T	MEOX2
7	15725820	GG	-	MEOX2
7	15725823	G	-	MEOX2
7	16298080	G	T	ISPD
7	16445813	G	A	ISPD
7	16502202	T	-	SOSTDC1
7	16502390	T	C	SOSTDC1
7	16606022	G	A	LRRC72
7	16640454	G	A	ANKMY2
7	16901685	C	T	AGR3
7	16902271	C	A	AGR3
7	17378917	A	G	AHR
7	17379098	T	C	AHR
7	17379110	G	A	AHR
7	17379157	G	A	AHR
7	17379805	A	G	AHR
7	17841269	A	G	SNX13
7	17874395	T	C	SNX13
7	17913195	G	A	SNX13
7	18066569	C	A	PRPS1L1
7	18066819	C	T	PRPS1L1
7	18067261	G	C	PRPS1L1
7	18993842	T	C	HDAC9
7	19184631	C	T	FERD3L
7	20180673	T	A	MACC1
7	20180717	C	G	MACC1
7	20198440	G	A	MACC1
7	20198917	G	A	MACC1
7	20201395	G	C	MACC1
7	20201444	A	C	MACC1
7	20201458	G	A	MACC1
7	20441397	A	C	ITGB8
7	20666235	G	C	ABCB5
7	20682884	C	T	ABCB5
7	20682892	C	T	ABCB5
7	20683170	T	C	ABCB5
7	20685484	C	A	ABCB5

7	20691047	T	C	ABCB5
7	20691167	G	A	ABCB5
7	20721260	G	C	ABCB5
7	20767954	G	A	ABCB5
7	20767981	T	C	ABCB5
7	20778646	G	A	ABCB5
7	21469640	C	G	SP4
7	21582963	G	T	DNAH11
7	21582964	A	T	DNAH11
7	21598500	A	G	DNAH11
7	21598564	A	G	DNAH11
7	21609691	C	T	DNAH11
7	21621631	G	A	DNAH11
7	21628197	A	G	DNAH11
7	21628242	C	G	DNAH11
7	21639520	A	T	DNAH11
7	21640338	G	T	DNAH11
7	21640361	T	C	DNAH11
7	21640405	A	G	DNAH11
7	21658745	A	G	DNAH11
7	21678643	A	G	DNAH11
7	21775369	G	A	DNAH11
7	21778429	T	C	DNAH11
7	21779278	A	G	DNAH11
7	21781653	A	G	DNAH11
7	21788208	A	G	DNAH11
7	21788220	C	G	DNAH11
7	21805095	G	A	DNAH11
7	21813391	A	G	DNAH11
7	21828869	A	T	DNAH11
7	21856151	G	A	DNAH11
7	21882209	G	A	DNAH11
7	21893993	G	T	DNAH11
7	21901540	T	C	DNAH11
7	21924014	A	G	DNAH11
7	21932167	C	T	DNAH11
7	21934511	G	A	DNAH11
7	21940816	G	A	DNAH11
7	21940823	A	G	DNAH11
7	22202046	G	T	RAPGEF5
7	22532971	T	A	STEAP1B
7	22532986	C	A	STEAP1B
7	22534456	T	C	STEAP1B

7	22771038	A	T	IL6
7	22771039	T	A	IL6
7	23000919	C	G	FAM126A
7	23018030	T	C	FAM126A
7	23224734	A	G	NUPL2
7	23240138	G	A	NUPL2
7	23240263	G	A	NUPL2
7	23286529	C	T	GPNMB
7	23299648	C	G	GPNMB
7	23306141	G	A	GPNMB
7	23313738	C	A	GPNMB
7	23313823	G	T	GPNMB
7	23728916	G	A	FAM221A
7	23728923	C	T	FAM221A
7	23728931	T	C	FAM221A
7	23737891	A	G	FAM221A
7	23757162	G	C	STK31
7	23775454	G	A	STK31
7	23775477	G	T	STK31
7	23793953	C	T	STK31
7	23794029	G	A	STK31
7	23811800	G	T	STK31
7	23821123	A	G	STK31
7	23826190	G	A	STK31
7	23871756	A	G	STK31
7	23871806	A	G	STK31
7	23871861	C	G	STK31
7	23871924	C	T	STK31
7	24324879	T	C	NPY
7	24689304	A	G	MPP6
7	24756951	C	T	DFNA5
7	24789274	-	T	DFNA5
7	24892134	C	T	OSBPL3
7	24892221	T	C	OSBPL3
7	24902859	C	T	OSBPL3
7	25175698	G	A	C7orf31
7	25176115	T	C	C7orf31
7	25176288	C	T	C7orf31
7	25181912	T	C	C7orf31
7	25182373	C	T	C7orf31
7	25182405	G	T	C7orf31
7	25194665	G	C	C7orf31
7	25207974	T	C	C7orf31

7	25218891	C	T	<i>C7orf31</i>
7	25264778	-	C	<i>NPVF</i>
7	25264780	GAATAG	-	<i>NPVF</i>
7	25266318	A	G	<i>NPVF</i>
7	25266570	TAA	-	<i>NPVF</i>
7	25266616	G	T	<i>NPVF</i>
7	25266616	G	C	<i>NPVF</i>
7	25267934	T	C	<i>NPVF</i>
7	25267963	G	C	<i>NPVF</i>
7	26246130	-	TGCTGACAATA	<i>CBX3</i>
7	26246130	-	TGCTGACAATA	<i>CBX3</i>
7	26400590	T	C	<i>SNX10</i>
7	26678856	A	G	<i>C7orf71</i>
7	26765596	C	A	<i>SKAP2</i>
7	27195857	T	C	<i>HOXA7</i>
7	27196113	C	T	<i>HOXA7</i>
7	27196116	C	T	<i>HOXA7</i>
7	27224612	A	T	<i>HOXA11</i>
7	27827103	T	A	<i>TAX1BP1</i>
7	27827191	A	G	<i>TAX1BP1</i>
7	27835758	A	G	<i>TAX1BP1</i>
7	27872466	A	G	<i>JAZF1</i>
7	29035428	C	T	<i>CPVL</i>
7	29070320	C	T	<i>CPVL</i>
7	29103771	G	C	<i>CPVL</i>
7	29111982	C	T	<i>CPVL</i>
7	29132279	A	G	<i>CPVL</i>
7	29160604	C	T	<i>CPVL</i>
7	29160613	C	G	<i>CPVL</i>
7	29186493	T	G	<i>CHN2</i>
7	29519929	A	G	<i>CHN2</i>
7	29523563	G	A	<i>CHN2</i>
7	29924072	A	G	<i>WIPF3</i>
7	29924092	C	G	<i>WIPF3</i>
7	29927689	G	A	<i>WIPF3</i>
7	29966141	T	C	<i>SCRN1</i>
7	29966229	T	C	<i>SCRN1</i>
7	29994945	C	G	<i>SCRN1</i>
7	30054417	TTT	-	<i>FKBP14</i>
7	30490919	C	T	<i>NOD1</i>
7	30492237	C	T	<i>NOD1</i>
7	30537474	C	T	<i>GGCT</i>
7	30649268	C	T	<i>GARS</i>

7	30701812	C	T	CRHR2
7	30702347	C	G	CRHR2
7	30728880	C	T	CRHR2
7	30791848	G	A	INMT
7	30791903	A	C	INMT
7	30793464	G	A	INMT
7	30795241	C	T	INMT
7	30795288	A	G	INMT
7	30795331	A	G	INMT
7	30818142	T	G	FAM188B
7	30825544	C	A	FAM188B
7	30830902	C	T	FAM188B
7	30831088	G	A	FAM188B
7	30876316	C	T	FAM188B
7	30880413	G	A	FAM188B
7	30915263	A	G	FAM188B
7	30951658	C	T	AQP1
7	30961242	A	G	AQP1
7	30961790	G	A	AQP1
7	31003693	C	T	GHRHR
7	31008686	G	A	GHRHR
7	31009576	G	T	GHRHR
7	31018852	T	C	GHRHR
7	31104520	A	G	ADCYAP1R1
7	31124376	G	T	ADCYAP1R1
7	31592733	C	A	CCDC129
7	31594509	C	T	CCDC129
7	31618008	A	G	CCDC129
7	31682453	C	T	CCDC129
7	31682629	G	C	CCDC129
7	31683410	G	A	CCDC129
7	31692270	G	A	CCDC129
7	31692409	C	G	CCDC129
7	31732084	T	G	PPP1R17
7	31732089	C	G	PPP1R17
7	31855577	A	C	PDE1C
7	31855625	C	G	PDE1C
7	31862756	T	C	PDE1C
7	32584334	A	C	AVL9
7	32598626	C	A	AVL9
7	32598630	T	A	AVL9
7	32598630	T	C	AVL9
7	32598816	C	T	AVL9

7	33061694	T	G	NT5C3A
7	33380556	G	A	BBS9
7	33384197	C	T	BBS9
7	33388713	G	A	BBS9
7	33573630	C	T	BBS9
7	33976901	A	G	BMPER
7	34085921	G	A	BMPER
7	34125419	C	T	BMPER
7	34125622	C	T	BMPER
7	34818113	A	T	NPSR1
7	34867124	G	T	NPSR1
7	34874038	C	G	NPSR1
7	34889182	A	G	NPSR1
7	34889222	T	C	NPSR1
7	34917702	G	A	NPSR1
7	34917768	G	A	NPSR1
7	35707069	G	A	HERPUD2
7	35709842	C	T	HERPUD2
7	36320799	G	A	EEPD1
7	36320821	G	A	EEPD1
7	36327317	C	T	EEPD1
7	36327335	G	A	EEPD1
7	36396664	T	C	KIAA0895
7	36438709	C	G	ANLN
7	36445856	G	A	ANLN
7	36447349	-	CTT	ANLN
7	36492159	A	G	ANLN
7	36561695	C	A	AOAH
7	36579939	C	T	AOAH
7	36656035	G	C	AOAH
7	36657926	G	A	AOAH
7	36763672	C	T	AOAH
7	36763722	G	A	AOAH
7	36917684	C	A	ELMO1
7	37052971	C	G	ELMO1
7	37053009	C	T	ELMO1
7	37780753	C	T	GPR141
7	37890267	G	A	NME8
7	37905208	A	G	NME8
7	37934146	T	C	NME8
7	37947103	C	T	SFRP4
7	37947164	G	T	SFRP4
7	37947175	G	T	SFRP4

7	38424430	G	A	AMPH
7	38431470	G	A	AMPH
7	38433726	T	G	AMPH
7	38765873	-	CCTGGTCCACC	VPS41
7	38765883	C	T	VPS41
7	38791870	C	T	VPS41
7	38805215	C	T	VPS41
7	38807138	G	A	VPS41
7	38908759	G	C	VPS41
7	39379547	C	T	POU6F2
7	39610177	A	G	YAE1D1
7	39611920	T	C	YAE1D1
7	39612201	C	T	YAE1D1
7	39726270	G	A	RALA
7	40027484	A	G	CDK13
7	40037230	C	G	CDK13
7	40039097	C	T	CDK13
7	40132656	G	A	CDK13
7	40174614	C	T	SUGCT
7	40220571	A	C	SUGCT
7	40498796	C	T	SUGCT
7	40899987	C	T	SUGCT
7	41729843	C	T	INHBA
7	42004062	G	A	GLI3
7	42007201	T	C	GLI3
7	42007446	C	T	GLI3
7	42063171	C	G	GLI3
7	42088222	T	C	GLI3
7	42187851	C	T	GLI3
7	42949773	C	T	C7orf25
7	43483981	G	C	HECW1
7	43484275	G	C	HECW1
7	43484498	G	A	HECW1
7	43495992	C	T	HECW1
7	43508620	C	G	HECW1
7	43531734	G	C	HECW1
7	43540840	G	A	HECW1
7	43540841	T	C	HECW1
7	43547658	A	G	HECW1
7	43664280	A	G	STK17A
7	43810764	G	A	BLVRA
7	43830880	A	G	BLVRA
7	43830928	A	G	BLVRA

7	43906465	G	A	MRPS24
7	43906513	A	G	MRPS24
7	43908950	G	A	MRPS24
7	43916727	T	G	URGCP
7	43916784	C	A	URGCP
7	43916973	T	C	URGCP
7	43917767	C	T	URGCP
7	43921261	T	C	URGCP
7	43978084	G	A	UBE2D4
7	44089863	C	T	DBNL
7	44098033	C	T	DBNL
7	44104788	A	C	PGAM2
7	44112873	G	T	POLM
7	44113743	C	T	POLM
7	44118394	C	G	POLM
7	44146451	C	G	AEBP1
7	44147485	C	A	AEBP1
7	44148573	TGAG	-	AEBP1
7	44152266	C	T	AEBP1
7	44153825	G	A	AEBP1
7	44180644	C	A	MYL7
7	44189389	C	T	GCK
7	44444122	G	A	NUDCD3
7	44530193	T	G	NUDCD3
7	44555699	A	T	NPC1L1
7	44561344	G	A	NPC1L1
7	44578500	G	A	NPC1L1
7	44578503	C	T	NPC1L1
7	44579062	C	G	NPC1L1
7	44579184	G	A	NPC1L1
7	44579185	C	A	NPC1L1
7	44579335	G	A	NPC1L1
7	44579467	C	T	NPC1L1
7	44610412	C	T	DDX56
7	44611157	C	T	DDX56
7	44611235	T	C	DDX56
7	44621720	C	G	TMED4
7	44663949	C	T	OGDH
7	44664106	C	T	OGDH
7	44715767	C	A	OGDH
7	44739767	A	T	OGDH
7	44747578	G	A	OGDH
7	44800176	G	T	ZMIZ2

7	44806089	G	A	ZMIZ2
7	44806135	C	T	ZMIZ2
7	45004063	T	C	MYO1G
7	45009432	G	A	MYO1G
7	45104131	G	A	CCM2
7	45121241	C	T	NACAD
7	45122324	C	A	NACAD
7	45122723	G	A	NACAD
7	45124008	T	C	NACAD
7	45124286	A	G	NACAD
7	45124465	A	T	NACAD
7	45125466	G	C	NACAD
7	45125468	G	A	NACAD
7	45139959	T	C	TBRG4
7	45148545	T	G	TBRG4
7	45148667	G	A	TBRG4
7	45662285	-	A	ADCY1
7	45747949	G	A	ADCY1
7	45753418	G	A	ADCY1
7	45930256	C	A	IGFBP1
7	45932669	A	G	IGFBP1
7	45954465	G	A	IGFBP3
7	45956969	T	G	IGFBP3
7	47323416	C	T	TNS3
7	47331594	G	A	TNS3
7	47342611	T	A	TNS3
7	47342713	G	C	TNS3
7	47342790	G	A	TNS3
7	47342857	T	C	TNS3
7	47408073	C	T	TNS3
7	47408443	C	G	TNS3
7	47408702	T	C	TNS3
7	47408718	G	A	TNS3
7	47408732	G	A	TNS3
7	47436435	C	G	TNS3
7	47440394	T	G	TNS3
7	47840310	C	G	PKD1L1
7	47840387	C	T	PKD1L1
7	47851623	C	T	PKD1L1
7	47852837	C	T	PKD1L1
7	47860690	G	A	PKD1L1
7	47870812	CA	-	PKD1L1
7	47880144	C	T	PKD1L1

7	47892745	A	G	<i>PKD1L1</i>
7	47906069	C	T	<i>PKD1L1</i>
7	47913560	G	T	<i>PKD1L1</i>
7	47913579	T	C	<i>PKD1L1</i>
7	47925485	T	G	<i>PKD1L1</i>
7	47925520	C	T	<i>PKD1L1</i>
7	47925535	G	A	<i>PKD1L1</i>
7	47927650	G	A	<i>PKD1L1</i>
7	47927744	C	T	<i>PKD1L1</i>
7	47930180	T	C	<i>PKD1L1</i>
7	47930194	C	T	<i>PKD1L1</i>
7	47968927	C	A	<i>PKD1L1</i>
7	47968953	C	T	<i>PKD1L1</i>
7	48004991	C	T	<i>HUS1</i>
7	48016353	G	T	<i>HUS1</i>
7	48080972	G	A	<i>C7orf57</i>
7	48081095	G	T	<i>C7orf57</i>
7	48083181	G	T	<i>C7orf57</i>
7	48086151	G	A	<i>C7orf57</i>
7	48086161	T	C	<i>C7orf57</i>
7	48089487	C	T	<i>C7orf57</i>
7	48146994	C	T	<i>UPP1</i>
7	48311563	T	G	<i>ABCA13</i>
7	48311602	G	A	<i>ABCA13</i>
7	48311658	G	A	<i>ABCA13</i>
7	48312084	G	C	<i>ABCA13</i>
7	48312200	G	C	<i>ABCA13</i>
7	48312490	G	A	<i>ABCA13</i>
7	48312723	T	G	<i>ABCA13</i>
7	48313155	A	G	<i>ABCA13</i>
7	48313341	G	A	<i>ABCA13</i>
7	48313510	A	G	<i>ABCA13</i>
7	48313563	A	G	<i>ABCA13</i>
7	48313854	G	A	<i>ABCA13</i>
7	48313881	T	C	<i>ABCA13</i>
7	48314151	C	G	<i>ABCA13</i>
7	48314929	T	A	<i>ABCA13</i>
7	48315360	A	G	<i>ABCA13</i>
7	48315724	C	T	<i>ABCA13</i>
7	48315796	C	A	<i>ABCA13</i>
7	48315898	T	C	<i>ABCA13</i>
7	48315930	G	C	<i>ABCA13</i>
7	48317836	G	A	<i>ABCA13</i>

7	48318098	A	G	ABCA13
7	48318242	G	A	ABCA13
7	48318702	AAT	-	ABCA13
7	48319403	A	C	ABCA13
7	48337984	T	A	ABCA13
7	48349643	G	A	ABCA13
7	48349647	C	T	ABCA13
7	48352698	A	G	ABCA13
7	48378029	T	A	ABCA13
7	48411787	A	C	ABCA13
7	48428715	A	T	ABCA13
7	48450185	C	G	ABCA13
7	48506566	A	G	ABCA13
7	48506642	A	G	ABCA13
7	48528923	G	C	ABCA13
7	48545976	A	G	ABCA13
7	48556448	C	T	ABCA13
7	49815474	C	T	VWC2
7	49842377	A	C	VWC2
7	49951764	G	C	VWC2
7	50135805	C	T	C7orf72
7	50143943	A	C	C7orf72
7	50173777	A	G	C7orf72
7	50175760	T	G	C7orf72
7	50180972	C	T	C7orf72
7	50513721	A	C	FIGNL1
7	50514577	C	T	FIGNL1
7	50514846	T	C	FIGNL1
7	50514904	C	T	FIGNL1
7	50530987	C	T	DDC
7	50595900	T	C	DDC
7	50611735	T	C	DDC
7	51094269	G	A	COBL
7	51096036	G	C	COBL
7	51096974	C	T	COBL
7	51097063	T	G	COBL
7	51097193	C	T	COBL
7	51098568	TCT	-	COBL
7	51152961	C	T	COBL
7	53103425	C	A	POM121L12
7	53103512	C	T	POM121L12
7	53103540	C	G	POM121L12
7	53103554	C	G	POM121L12

7	53103636	G	A	POM121L12
7	53103729	G	C	POM121L12
7	53103945	G	T	POM121L12
7	55229255	G	A	EGFR
7	55902230	T	C	SEPT14
7	55902239	G	A	SEPT14
7	55912345	T	C	SEPT14
7	55914251	C	G	SEPT14
7	55929686	C	T	SEPT14
7	55980348	-	T	ZNF713
7	56049918	A	G	GBAS
7	56082831	G	A	PSPH
7	56125757	A	G	CCT6A
7	56125762	C	T	CCT6A
7	56136260	C	A	SUMF2
7	56145825	G	A	SUMF2
7	56155414	C	T	PHKG1
7	56183895	C	A	NUPR2
7	57528609	TGTTT	-	ZNF716
7	57528613	-	AAC	ZNF716
7	63529988	G	A	ZNF727
7	63726304	C	T	ZNF679
7	63726370	A	G	ZNF679
7	63726645	T	C	ZNF679
7	63726678	T	A	ZNF679
7	64166802	G	T	ZNF107
7	64168429	G	A	ZNF107
7	64168493	G	T	ZNF107
7	64291405	G	A	ZNF138
7	64291987	G	A	ZNF138
7	64291991	T	A	ZNF138
7	64388448	A	T	ZNF273
7	64439613	T	G	ZNF117
7	64439701	C	T	ZNF117
7	64863392	C	T	ZNF92
7	64864736	G	A	ZNF92
7	65425894	A	G	GUSB
7	66483114	A	G	TYW1
7	69583206	A	G	AUTS2
7	70228020	G	T	AUTS2
7	70255639	G	T	AUTS2
7	70597970	A	G	WBSCR17
7	70853324	G	A	WBSCR17

7	72727156	C	T	TRIM50
7	72727296	C	T	TRIM50
7	72727318	C	-	TRIM50
7	72745738	C	T	FKBP6
7	72849221	A	C	FZD9
7	72857130	C	T	BAZ1B
7	72857133	C	T	BAZ1B
7	72880650	G	A	BAZ1B
7	72883898	G	A	BAZ1B
7	72992858	C	G	TBL2
7	73008233	G	A	MLXIPL
7	73010191	C	T	MLXIPL
7	73013995	G	A	MLXIPL
7	73020337	C	G	MLXIPL
7	73097602	T	C	DNAJC30
7	73097654	C	T	DNAJC30
7	73151643	C	T	ABHD11
7	73183979	G	A	CLDN3
7	73184318	A	G	CLDN3
7	73249155	G	A	WBSCR27
7	73249165	T	A	WBSCR27
7	73254812	T	C	WBSCR27
7	73275565	T	A	WBSCR28
7	73279659	G	A	WBSCR28
7	73457316	G	A	ELN
7	73470714	G	A	ELN
7	73474308	G	A	ELN
7	73474825	G	C	ELN
7	73510996	A	C	LIMK1
7	73631177	C	G	LAT2
7	73634076	G	A	LAT2
7	73753191	C	T	CLIP2
7	73753227	G	A	CLIP2
7	73803526	G	A	CLIP2
7	73814702	C	A	CLIP2
7	73814749	G	C	CLIP2
7	73971995	A	G	GTF2IRD1
7	74015470	C	T	GTF2IRD1
7	75051238	G	A	POM121C
7	75051243	C	A	POM121C
7	75182802	C	T	HIP1
7	75192544	G	A	HIP1
7	75401263	C	T	CCL26

7	75442723	G	A	CCL24
7	75442730	T	G	CCL24
7	75517489	T	C	RHBDD2
7	75610876	C	T	POR
7	75612905	G	A	POR
7	75615006	C	T	POR
7	75615301	T	C	POR
7	75615552	G	A	POR
7	75659753	T	C	STYXL1
7	75695613	A	G	MDH2
7	75896593	G	A	SRRM3
7	76019590	C	T	SSC4D
7	76021308	G	A	SSC4D
7	76024633	T	C	SSC4D
7	76029695	C	T	SSC4D
7	76054372	G	A	ZP3
7	76054389	G	C	ZP3
7	76062913	C	G	ZP3
7	76143382	T	C	UPK3B
7	76143390	G	A	UPK3B
7	76144403	G	A	UPK3B
7	76144456	G	A	UPK3B
7	76144483	A	G	UPK3B
7	76797095	G	A	CCDC146
7	76797103	G	A	CCDC146
7	76828953	C	T	FGL2
7	76829010	C	T	FGL2
7	76889354	G	C	CCDC146
7	76903907	C	T	CCDC146
7	76903926	T	C	CCDC146
7	76922314	A	T	CCDC146
7	76950686	C	A	GSAP
7	76950699	C	T	GSAP
7	76982302	C	G	GSAP
7	76991935	C	T	GSAP
7	77035392	T	C	GSAP
7	77247821	G	A	PTPN12
7	77265140	G	A	PTPN12
7	77423450	G	A	TMEM60
7	77552058	G	A	PHTF2
7	77824247	C	T	MAGI2
7	79828617	T	C	GNAI1
7	80091842	C	A	GNAT3

7	80141137	G	T	GNAT3
7	80141152	C	T	GNAT3
7	80302093	G	T	CD36
7	80303461	TAAG	-	CD36
7	80427530	C	T	SEMA3C
7	80430097	A	G	SEMA3C
7	81359051	C	T	HGF
7	81392140	G	A	HGF
7	81588616	T	G	CACNA2D1
7	81599241	C	G	CACNA2D1
7	81601108	C	T	CACNA2D1
7	82451900	T	C	PCLO
7	82453708	A	C	PCLO
7	82474793	C	T	PCLO
7	82544091	T	C	PCLO
7	82581859	C	T	PCLO
7	82582846	C	T	PCLO
7	82763982	C	T	PCLO
7	82764393	C	T	PCLO
7	82764425	C	G	PCLO
7	82764800	G	A	PCLO
7	82784186	G	A	PCLO
7	82784588	C	T	PCLO
7	82784833	-	GCTGAGCTGG	PCLO
7	82785097	T	C	PCLO
7	82785271	G	A	PCLO
7	82785304	G	A	PCLO
7	82997128	C	A	SEMA3E
7	83037731	C	G	SEMA3E
7	83590853	G	A	SEMA3A
7	83689870	T	C	SEMA3A
7	83764184	G	A	SEMA3A
7	84628989	T	G	SEMA3D
7	84629063	A	G	SEMA3D
7	84636183	G	T	SEMA3D
7	84651849	G	T	SEMA3D
7	84727240	A	G	SEMA3D
7	86468254	G	A	GRM3
7	86537850	A	G	KIAA1324L
7	86539229	A	G	KIAA1324L
7	86547834	G	A	KIAA1324L
7	86548545	G	A	KIAA1324L
7	86548611	C	T	KIAA1324L

7	86554877	T	C	KIAA1324L
7	86795881	TGA	-	DMTF1
7	86800364	G	C	DMTF1
7	86827302	G	T	TMEM243
7	86990819	A	C	CROT
7	86998764	A	G	CROT
7	87005208	G	A	CROT
7	87021023	G	C	CROT
7	87035794	T	C	ABCB4
7	87056176	T	C	ABCB4
7	87082273	T	C	ABCB4
7	87092143	G	C	ABCB4
7	87138760	T	G	ABCB1
7	87160618	A	T	ABCB1
7	87179809	C	T	ABCB1
7	87190625	T	C	ABCB1
7	87196129	C	T	ABCB1
7	87229440	T	C	ABCB1
7	87466068	T	G	SLC25A40
7	87477257	G	A	SLC25A40
7	87526649	G	A	DBF4
7	87533707	A	G	DBF4
7	87537029	A	G	DBF4
7	87537111	CTC	-	DBF4
7	87537177	A	G	DBF4
7	87704999	G	A	ADAM22
7	87754915	G	A	ADAM22
7	87913221	C	T	STEAP4
7	87913361	C	T	STEAP4
7	88423779	C	T	C7orf62
7	88423881	T	C	C7orf62
7	88424115	C	G	C7orf62
7	88963039	G	A	ZNF804B
7	88964061	A	C	ZNF804B
7	88964196	T	A	ZNF804B
7	88964226	C	A	ZNF804B
7	88964227	C	G	ZNF804B
7	88965021	G	A	ZNF804B
7	88965108	C	A	ZNF804B
7	88965150	A	G	ZNF804B
7	88965609	A	G	ZNF804B
7	88965648	T	G	ZNF804B
7	88965873	T	C	ZNF804B

7	88966204	C	T	ZNF804B
7	89856433	G	A	STEAP2
7	89856643	A	G	STEAP2
7	89884752	A	G	CFAP69
7	89912301	G	A	CFAP69
7	89934060	T	C	CFAP69
7	89938588	C	G	CFAP69
7	89983808	T	G	GTPBP10
7	90001496	G	C	GTPBP10
7	90001521	C	A	GTPBP10
7	90014408	G	A	GTPBP10
7	90042282	A	G	CLDN12
7	91503228	C	T	MTERF1
7	91503554	G	A	MTERF1
7	91503914	G	A	MTERF1
7	91603056	C	T	AKAP9
7	91603115	C	T	AKAP9
7	91622303	G	C	AKAP9
7	91646406	G	A	AKAP9
7	91674405	T	C	AKAP9
7	91694604	G	A	AKAP9
7	91700267	T	C	AKAP9
7	91708935	T	G	AKAP9
7	91712698	A	G	AKAP9
7	91714911	C	T	AKAP9
7	91726391	C	A	AKAP9
7	91726527	G	C	AKAP9
7	91727479	A	T	AKAP9
7	91729127	A	G	AKAP9
7	91732083	G	A	AKAP9
7	91779853	C	G	LRRD1
7	91779971	T	G	LRRD1
7	91793532	C	A	LRRD1
7	91794023	T	A	LRRD1
7	91794308	G	A	LRRD1
7	91871373	C	T	KRIT1
7	92028039	C	A	ANKIB1
7	92085763	C	T	GATAD1
7	92120651	T	A	PEX1
7	92132493	T	C	PEX1
7	92140266	T	C	PEX1
7	92158147	A	G	RBM48
7	92164019	C	T	RBM48

7	92164118	G	A	<i>RBM48</i>
7	92166221	T	G	<i>RBM48</i>
7	92206490	C	T	<i>FAM133B</i>
7	92244486	T	A	<i>CDK6</i>
7	92404051	C	T	<i>CDK6</i>
7	92730745	C	T	<i>SAMD9</i>
7	92732403	T	C	<i>SAMD9</i>
7	92732557	C	G	<i>SAMD9</i>
7	92732725	A	G	<i>SAMD9</i>
7	92732769	T	C	<i>SAMD9</i>
7	92733766	C	A	<i>SAMD9</i>
7	92733975	G	A	<i>SAMD9</i>
7	92734983	A	G	<i>SAMD9</i>
7	92735154	G	A	<i>SAMD9</i>
7	92735188	G	A	<i>SAMD9</i>
7	92760738	T	G	<i>SAMD9L</i>
7	92761875	C	G	<i>SAMD9L</i>
7	92763589	C	T	<i>SAMD9L</i>
7	92763720	G	A	<i>SAMD9L</i>
7	92821670	T	G	<i>HEPACAM2</i>
7	92825188	C	T	<i>HEPACAM2</i>
7	92826850	C	A	<i>HEPACAM2</i>
7	92935272	A	T	<i>VPS50</i>
7	92979199	G	A	<i>VPS50</i>
7	93055724	C	T	<i>CALCR</i>
7	93055753	A	G	<i>CALCR</i>
7	93090257	C	T	<i>CALCR</i>
7	93098070	T	C	<i>CALCR</i>
7	93108744	C	T	<i>CALCR</i>
7	93116299	A	G	<i>CALCR</i>
7	93519467	C	T	<i>TFPI2</i>
7	93540197	C	A	<i>GNGT1</i>
7	94038649	G	A	<i>COL1A2</i>
7	94163054	T	A	<i>CASD1</i>
7	94164820	A	C	<i>CASD1</i>
7	94166865	G	T	<i>CASD1</i>
7	94166974	C	T	<i>CASD1</i>
7	94176461	T	C	<i>CASD1</i>
7	94540416	A	G	<i>PPP1R9A</i>
7	94540527	G	A	<i>PPP1R9A</i>
7	94917985	C	G	<i>PPP1R9A</i>
7	94937419	G	A	<i>PON1</i>
7	94937446	T	C	<i>PON1</i>

7	94940880	A	C	PON1
7	94946084	A	T	PON1
7	94953733	T	C	PON1
7	94989379	C	T	PON3
7	95001590	T	C	PON3
7	95024007	G	A	PON3
7	95034775	G	C	PON2
7	95041016	G	C	PON2
7	95041705	T	-	PON2
7	95222201	T	C	PDK4
7	95442510	C	G	DYNC111
7	96650216	G	T	DLX5
7	96747192	T	C	SDHAF3
7	97482484	G	A	ASNS
7	97821855	T	C	LMTK2
7	97822115	T	A	LMTK2
7	97822361	G	A	LMTK2
7	97823799	C	G	LMTK2
7	97832980	G	A	LMTK2
7	97846742	G	A	TECPR1
7	97852399	G	A	TECPR1
7	97857387	C	T	TECPR1
7	97863152	G	A	TECPR1
7	97933588	C	T	BAIAP2L1
7	98460879	G	T	TMEM130
7	98648610	G	A	SMURF1
7	98786092	G	A	KPNA7
7	98792785	T	A	KPNA7
7	98984354	G	C	ARPC1B
7	98987580	G	T	ARPC1B
7	98992084	C	T	ARPC1B
7	99022752	A	G	PTCD1
7	99022873	C	T	PTCD1
7	99026740	G	A	PTCD1
7	99032517	G	A	PTCD1
7	99032529	G	A	PTCD1
7	99032559	G	A	PTCD1
7	99055969	C	T	ATP5J2
7	99063739	G	C	ATP5J2
7	99081730	A	G	ZNF789
7	99084275	G	A	ZNF789
7	99085103	T	C	ZNF789
7	99145678	C	G	FAM200A

7	99159522	C	G	ZNF655
7	99217536	C	T	ZSCAN25
7	99220177	C	T	ZSCAN25
7	99250236	G	T	CYP3A5
7	99306685	C	G	CYP3A7
7	99319925	A	G	CYP3A7
7	99434078	A	-	CYP3A43
7	99445188	G	T	CYP3A43
7	99454482	G	A	CYP3A43
7	99473801	A	G	OR2AE1
7	99473858	G	C	OR2AE1
7	99474007	T	C	OR2AE1
7	99474143	G	A	OR2AE1
7	99474158	G	T	OR2AE1
7	99490052	C	T	TRIM4
7	99490190	G	A	TRIM4
7	99527179	C	T	GJC3
7	99627504	C	G	ZKSCAN1
7	99630948	A	G	ZKSCAN1
7	99662512	TAGT	-	ZNF3
7	99691871	C	G	MCM7
7	99696797	T	C	MCM7
7	99700565	A	C	AP4M1
7	99702875	G	C	AP4M1
7	99702947	G	A	AP4M1
7	99706052	C	A	TAF6
7	99725533	A	C	MBLAC1
7	99725631	G	A	MBLAC1
7	99747131	C	A	LAMTOR4
7	99755343	C	T	C7orf43
7	99757612	G	A	GAL3ST4
7	99757982	T	C	GAL3ST4
7	99764196	G	A	GAL3ST4
7	99764240	A	G	GAL3ST4
7	99786108	T	C	STAG3
7	99798530	C	T	STAG3
7	99802331	C	T	STAG3
7	99808703	C	T	STAG3
7	99809499	G	A	STAG3
7	99817570	C	G	PVRIG
7	99817585	G	T	PVRIG
7	99956436	T	C	PILRB
7	99956439	T	C	PILRB

7	99956444	A	G	PILRB
7	99957129	C	-	PILRB
7	99957129	CCT	-	PILRB
7	99971735	A	G	PILRA
7	99997454	C	T	PILRA
7	99999551	T	C	ZCWPW1
7	100004381	C	T	ZCWPW1
7	100004867	T	C	ZCWPW1
7	100007051	C	T	ZCWPW1
7	100007167	C	A	ZCWPW1
7	100014021	C	T	ZCWPW1
7	100014711	T	C	ZCWPW1
7	100016781	T	C	ZCWPW1
7	100085880	C	T	NYAP1
7	100159897	C	T	AGFG2
7	100159926	G	A	AGFG2
7	100172858	C	T	LRCH4
7	100176362	C	T	LRCH4
7	100187325	G	A	FBXO24
7	100187349	T	A	FBXO24
7	100193256	T	C	FBXO24
7	100198386	C	T	FBXO24
7	100204137	G	A	PCOLCE
7	100205703	C	T	PCOLCE
7	100205706	G	C	PCOLCE
7	100212606	G	A	MOSPD3
7	100218631	C	T	TFR2
7	100226902	C	T	TFR2
7	100285473	C	T	GIGYF1
7	100285476	C	T	GIGYF1
7	100304745	G	A	POP7
7	100319633	G	A	EPO
7	100320381	C	T	EPO
7	100420010	G	A	EPHB4
7	100454534	G	A	SLC12A9
7	100457578	T	C	SLC12A9
7	100465747	G	T	TRIP6
7	100468078	G	C	TRIP6
7	100486464	T	G	UFSP1
7	100486702	C	A	UFSP1
7	100486754	G	C	UFSP1
7	100491114	G	A	ACHE
7	100491451	G	C	ACHE

7	100663420	C	A	<i>MUC17</i>
7	100674467	G	A	<i>MUC17</i>
7	100675512	G	A	<i>MUC17</i>
7	100675538	C	A	<i>MUC17</i>
7	100675940	A	G	<i>MUC17</i>
7	100675976	G	A	<i>MUC17</i>
7	100680434	G	T	<i>MUC17</i>
7	100680521	G	A	<i>MUC17</i>
7	100681172	A	G	<i>MUC17</i>
7	100685634	C	T	<i>MUC17</i>
7	100685742	C	G	<i>MUC17</i>
7	100686491	G	C	<i>MUC17</i>
7	100686777	C	T	<i>MUC17</i>
7	100686801	A	G	<i>MUC17</i>
7	100695138	G	A	<i>MUC17</i>
7	100695140	G	A	<i>MUC17</i>
7	100731949	C	G	<i>TRIM56</i>
7	100732598	G	A	<i>TRIM56</i>
7	100732844	C	T	<i>TRIM56</i>
7	100802404	-	G	<i>AP1S1</i>
7	100817901	A	G	<i>NAT16</i>
7	100839291	T	A	<i>MOGAT3</i>
7	100843776	C	T	<i>MOGAT3</i>
7	100850908	G	A	<i>PLOD3</i>
7	100855828	G	C	<i>PLOD3</i>
7	100883449	C	T	<i>FIS1</i>
7	101713691	G	A	<i>CUX1</i>
7	101840096	A	G	<i>CUX1</i>
7	101870884	C	G	<i>CUX1</i>
7	101921229	C	G	<i>CUX1</i>
7	101921289	A	G	<i>CUX1</i>
7	101921292	A	C	<i>CUX1</i>
7	102036877	T	G	<i>PRKRIP1</i>
7	102098010	G	A	<i>ALKBH4</i>
7	102098253	A	C	<i>ALKBH4</i>
7	102108170	G	A	<i>LRWD1</i>
7	102108740	C	G	<i>LRWD1</i>
7	102113177	G	A	<i>LRWD1</i>
7	102113226	C	T	<i>LRWD1</i>
7	102113373	G	C	<i>LRWD1</i>
7	102448760	C	T	<i>FAM185A</i>
7	102553603	C	G	<i>FBXL13</i>
7	102574453	T	G	<i>LRRC17</i>

7	102574715	A	G	LRRC17
7	102574920	G	C	LRRC17
7	102575000	GAA	-	LRRC17
7	102575002	AG	-	LRRC17
7	102575018	T	A	LRRC17
7	102604045	C	T	FBXL13
7	102665620	C	G	FBXL13
7	102733083	G	A	ARMC10
7	102755545	T	C	NAPEPLD
7	102760511	A	C	NAPEPLD
7	102952123	G	T	PMPCB
7	102952509	A	G	PMPCB
7	103014904	G	A	SLC26A5
7	103202327	C	T	RELN
7	103205779	G	A	RELN
7	103205827	G	C	RELN
7	103214642	C	T	RELN
7	103234202	C	T	RELN
7	103234828	G	C	RELN
7	103251161	G	C	RELN
7	103292201	G	A	RELN
7	103338335	C	G	RELN
7	103629665	C	T	RELN
7	103767338	G	A	ORC5
7	103805693	T	A	ORC5
7	104747094	C	T	KMT2E
7	104749504	A	G	KMT2E
7	104752423	A	G	KMT2E
7	104753553	C	T	KMT2E
7	105148593	G	A	PUS7
7	105148683	A	G	PUS7
7	105177041	A	T	RINT1
7	105182969	G	A	RINT1
7	105182994	C	T	RINT1
7	105205815	C	A	RINT1
7	105207655	C	T	RINT1
7	105254503	C	A	ATXN7L1
7	105305600	G	A	ATXN7L1
7	105429087	G	C	ATXN7L1
7	105615406	G	A	CDHR3
7	105615426	G	C	CDHR3
7	105656471	G	A	CDHR3
7	105658381	C	T	CDHR3

7	105658451	G	A	CDHR3
7	105658460	C	G	CDHR3
7	105672877	G	T	CDHR3
7	105752618	C	T	SYPL1
7	106509331	C	A	PIK3CG
7	106509571	A	G	PIK3CG
7	106509933	A	G	PIK3CG
7	106522592	A	G	PIK3CG
7	106844050	A	G	COG5
7	106938638	T	C	COG5
7	106938653	T	C	COG5
7	106964956	G	A	COG5
7	107002504	T	C	COG5
7	107002806	A	G	COG5
7	107188772	G	A	COG5
7	107217020	G	A	DUS4L
7	107254095	ACAGCATTCCA-		BCAP29
7	107254130	G	-	BCAP29
7	107341628	T	C	SLC26A4
7	107355874	C	T	SLC26A4
7	107399183	CCT	-	CBLL1
7	107427322	A	C	SLC26A3
7	107432300	G	T	SLC26A3
7	107569962	A	G	LAMB1
7	107599806	C	T	LAMB1
7	107600211	G	C	LAMB1
7	107626756	G	C	LAMB1
7	107664505	T	-	LAMB4
7	107671345	A	G	LAMB4
7	107671407	C	G	LAMB4
7	107677984	G	A	LAMB4
7	107684338	C	T	LAMB4
7	107689844	G	T	LAMB4
7	107706895	T	C	LAMB4
7	107720162	C	A	LAMB4
7	107746432	G	A	LAMB4
7	107749668	C	G	LAMB4
7	107756510	A	G	LAMB4
7	107820819	T	C	NRCAM
7	107822351	A	G	NRCAM
7	107834613	G	C	NRCAM
7	107866089	C	T	NRCAM
7	108154659	A	C	PNPLA8

7	108524494	C	T	<i>C7orf66</i>
7	108524528	T	C	<i>C7orf66</i>
7	110762899	A	G	<i>LRRN3</i>
7	111462470	G	T	<i>DOCK4</i>
7	111487098	C	T	<i>DOCK4</i>
7	111517227	T	C	<i>DOCK4</i>
7	111580166	T	C	<i>DOCK4</i>
7	111629218	G	A	<i>DOCK4</i>
7	111981007	G	A	<i>ZNF277</i>
7	112129991	C	T	<i>LSMEM1</i>
7	112424768	T	C	<i>TMEM168</i>
7	113518157	A	C	<i>PPP1R3A</i>
7	113518355	G	T	<i>PPP1R3A</i>
7	113519161	CT	-	<i>PPP1R3A</i>
7	113519232	C	A	<i>PPP1R3A</i>
7	113519719	A	T	<i>PPP1R3A</i>
7	113558919	C	T	<i>PPP1R3A</i>
7	114619695	G	A	<i>MDFIC</i>
7	114619791	A	G	<i>MDFIC</i>
7	115624396	C	T	<i>TFEC</i>
7	115624478	C	G	<i>TFEC</i>
7	115889214	C	T	<i>TES</i>
7	116146074	C	G	<i>CAV2</i>
7	116340262	A	G	<i>MET</i>
7	116411923	C	T	<i>MET</i>
7	116411990	C	T	<i>MET</i>
7	116862976	G	T	<i>ST7</i>
7	116918235	T	C	<i>WNT2</i>
7	116918288	C	T	<i>WNT2</i>
7	116918397	G	A	<i>WNT2</i>
7	116963030	A	C	<i>WNT2</i>
7	117003695	G	T	<i>ASZ1</i>
7	117024820	T	G	<i>ASZ1</i>
7	117144344	C	T	<i>CFTR</i>
7	117149147	G	A	<i>CFTR</i>
7	117171029	G	A	<i>CFTR</i>
7	117171122	T	C	<i>CFTR</i>
7	117174349	G	A	<i>CFTR</i>
7	117199533	G	A	<i>CFTR</i>
7	117199645	TCT	-	<i>CFTR</i>
7	117199647	T	-	<i>CFTR</i>
7	117199648	T	G	<i>CFTR</i>
7	117227832	G	T	<i>CFTR</i>

7	117230454	G	C	CFTR
7	117232223	C	T	CFTR
7	117232481	G	A	CFTR
7	117243663	C	T	CFTR
7	117282620	G	A	CFTR
7	117351826	G	A	CTTNBP2
7	117358107	T	C	CTTNBP2
7	117375374	A	C	CTTNBP2
7	117876122	G	A	ANKRD7
7	117879968	T	C	ANKRD7
7	119915432	C	T	KCND2
7	120450618	C	G	TSPAN12
7	120629916	A	G	CPED1
7	120737809	C	T	CPED1
7	120876835	A	G	CPED1
7	120901695	G	A	CPED1
7	120901720	G	A	CPED1
7	120911438	G	A	CPED1
7	120969769	G	A	WNT16
7	120979089	C	T	WNT16
7	121513561	T	G	PTPRZ1
7	121513570	G	T	PTPRZ1
7	121616845	A	G	PTPRZ1
7	121636589	A	G	PTPRZ1
7	121650508	A	T	PTPRZ1
7	121652170	G	C	PTPRZ1
7	121652338	A	C	PTPRZ1
7	121653250	G	A	PTPRZ1
7	121653398	G	A	PTPRZ1
7	121653419	A	G	PTPRZ1
7	121682694	T	C	PTPRZ1
7	121682702	A	G	PTPRZ1
7	121719708	T	G	AASS
7	121719735	G	A	AASS
7	121733190	G	A	AASS
7	121758435	T	A	AASS
7	121944239	T	C	FEZF1
7	122027130	C	T	CADPS2
7	122033505	G	C	CADPS2
7	122078476	C	G	CADPS2
7	122114500	A	C	CADPS2
7	122114544	A	G	CADPS2
7	122338071	A	G	RNF133

7	122338104	T	C	<i>RNF133</i>
7	122635024	C	T	<i>TAS2R16</i>
7	122635469	A	C	<i>TAS2R16</i>
7	122635645	A	G	<i>TAS2R16</i>
7	122787316	G	A	<i>SLC13A1</i>
7	122809234	T	C	<i>SLC13A1</i>
7	122839967	G	A	<i>SLC13A1</i>
7	123097583	G	A	<i>IQUB</i>
7	123105006	G	A	<i>IQUB</i>
7	123142672	G	T	<i>IQUB</i>
7	123143161	T	C	<i>IQUB</i>
7	123143364	C	T	<i>IQUB</i>
7	123152019	C	T	<i>IQUB</i>
7	123256427	C	T	<i>ASB15</i>
7	123256453	A	G	<i>ASB15</i>
7	123267226	G	-	<i>ASB15</i>
7	123269118	G	C	<i>ASB15</i>
7	123277002	T	A	<i>ASB15</i>
7	123302302	T	C	<i>LMOD2</i>
7	123514896	G	T	<i>HYAL4</i>
7	123516943	G	A	<i>HYAL4</i>
7	123516961	T	G	<i>HYAL4</i>
7	123516973	A	G	<i>HYAL4</i>
7	123517193	G	A	<i>HYAL4</i>
7	123593764	T	C	<i>SPAM1</i>
7	123594453	T	C	<i>SPAM1</i>
7	123599755	C	T	<i>SPAM1</i>
7	123599845	A	T	<i>SPAM1</i>
7	124481185	C	A	<i>POT1</i>
7	124482897	T	C	<i>POT1</i>
7	124491972	C	A	<i>POT1</i>
7	127224437	C	T	<i>GCC1</i>
7	127224872	G	A	<i>GCC1</i>
7	127225037	A	T	<i>GCC1</i>
7	127233977	G	T	<i>FSCN3</i>
7	127239519	C	T	<i>FSCN3</i>
7	127251188	T	G	<i>PAX4</i>
7	127251634	A	G	<i>PAX4</i>
7	127254551	G	A	<i>PAX4</i>
7	127292433	-	TCCTCCGCGCA	<i>SND1</i>
7	127326788	A	C	<i>SND1</i>
7	127669499	G	A	<i>LRRC4</i>
7	127950857	T	C	<i>RBM28</i>

7	127953296	G	A	<i>RBM28</i>
7	127963597	T	G	<i>RBM28</i>
7	127965924	T	G	<i>RBM28</i>
7	127979372	T	G	<i>RBM28</i>
7	127991133	G	A	<i>PRRT4</i>
7	128317797	C	T	<i>FAM71F2</i>
7	128363287	G	A	<i>FAM71F1</i>
7	128370003	C	T	<i>FAM71F1</i>
7	128394606	C	T	<i>CALU</i>
7	128415071	C	T	<i>OPN1SW</i>
7	128432446	G	T	<i>CCDC136</i>
7	128434498	G	A	<i>CCDC136</i>
7	128441492	G	A	<i>CCDC136</i>
7	128454866	G	A	<i>CCDC136</i>
7	128455834	A	T	<i>CCDC136</i>
7	128480629	G	A	<i>FLNC</i>
7	128481578	A	C	<i>FLNC</i>
7	128485240	C	T	<i>FLNC</i>
7	128486412	G	A	<i>FLNC</i>
7	128488734	G	A	<i>FLNC</i>
7	128491324	C	T	<i>FLNC</i>
7	128491390	A	G	<i>FLNC</i>
7	128494922	G	A	<i>FLNC</i>
7	128497219	G	A	<i>FLNC</i>
7	128587352	ACTCTGCAGCC-		<i>IRF5</i>
7	128587378	G	-	<i>IRF5</i>
7	128587381	TACTCTGCAGC-		<i>IRF5</i>
7	128845511	G	A	<i>SMO</i>
7	128852021	C	G	<i>SMO</i>
7	128852105	G	A	<i>SMO</i>
7	129094330	G	A	<i>STRIP2</i>
7	129110498	T	A	<i>STRIP2</i>
7	129663496	C	T	<i>ZC3HC1</i>
7	129664210	T	C	<i>ZC3HC1</i>
7	129664312	T	C	<i>ZC3HC1</i>
7	129668746	G	A	<i>ZC3HC1</i>
7	129818356	T	C	<i>TMEM209</i>
7	129832545	T	A	<i>TMEM209</i>
7	129855837	C	T	<i>SSMEM1</i>
7	129938598	G	T	<i>CPA4</i>
7	129948221	G	A	<i>CPA4</i>
7	129950740	G	T	<i>CPA4</i>
7	129962366	C	A	<i>CPA4</i>

7	129989852	C	T	CPA5
7	130007381	T	C	CPA5
7	130007388	G	T	CPA5
7	130008259	A	G	CPA5
7	130008285	T	C	CPA5
7	130021694	C	T	CPA1
7	130023245	G	A	CPA1
7	130023561	G	A	CPA1
7	130041748	G	C	CEP41
7	130356576	C	T	TSGA13
7	130364197	G	C	TSGA13
7	130365812	A	C	TSGA13
7	130827699	C	T	MKLN1
7	131191031	A	C	PODXL
7	131191050	C	T	PODXL
7	131193739	C	T	PODXL
7	131194255	G	C	PODXL
7	131195712	G	A	PODXL
7	131195917	T	G	PODXL
7	131195959	C	T	PODXL
7	131853148	C	T	PLXNA4
7	131865473	G	A	PLXNA4
7	131870089	C	T	PLXNA4
7	131883311	C	T	PLXNA4
7	131925916	C	T	PLXNA4
7	132070014	G	A	PLXNA4
7	132070054	T	C	PLXNA4
7	132174152	C	T	PLXNA4
7	132174173	C	T	PLXNA4
7	132192810	C	T	PLXNA4
7	132193335	A	G	PLXNA4
7	133502211	G	A	EXOC4
7	133749118	C	T	EXOC4
7	133812220	G	A	LRGUK
7	133848257	G	T	LRGUK
7	133868568	C	T	LRGUK
7	133884009	G	A	LRGUK
7	133884081	G	A	LRGUK
7	133906576	A	G	LRGUK
7	133906599	T	A	LRGUK
7	133906669	C	T	LRGUK
7	133932357	T	C	LRGUK
7	133943037	T	C	LRGUK

7	134135621	T	C	AKR1B1
7	134216757	A	G	AKR1B10
7	134223010	G	A	AKR1B10
7	134261174	A	G	AKR1B15
7	134617749	G	A	CALD1
7	134617884	G	A	CALD1
7	134617927	G	A	CALD1
7	134617996	G	A	CALD1
7	134618710	A	G	CALD1
7	134632411	C	T	CALD1
7	134678253	T	A	AGBL3
7	134678327	C	T	AGBL3
7	134701856	G	C	AGBL3
7	134719165	C	T	AGBL3
7	134719373	C	A	AGBL3
7	134719601	G	A	AGBL3
7	134730252	C	T	AGBL3
7	134819601	C	T	AGBL3
7	134849488	C	A	TMEM140
7	134879814	C	T	WDR91
7	134889141	G	A	WDR91
7	134896167	C	A	WDR91
7	135047811	G	C	CNOT4
7	135082953	G	C	CNOT4
7	135123060	G	C	CNOT4
7	135242703	C	T	NUP205
7	135258511	C	G	NUP205
7	135269655	T	C	NUP205
7	135269656	G	A	NUP205
7	135291649	A	G	NUP205
7	135304273	G	C	NUP205
7	135312810	A	G	NUP205
7	135323351	G	T	NUP205
7	135376041	G	A	SLC13A4
7	136700385	A	G	CHRM2
7	136935977	C	A	PTN
7	137374693	G	A	DGKI
7	137600690	C	T	CREB3L2
7	138264079	A	G	TRIM24
7	138265337	C	G	TRIM24
7	138269570	G	T	TRIM24
7	138305852	C	A	SVOPL
7	138312122	A	C	SVOPL

7	138329571	C	T	<i>SVOPL</i>
7	138333819	C	T	<i>SVOPL</i>
7	138341219	G	A	<i>SVOPL</i>
7	138347869	C	T	<i>SVOPL</i>
7	138406746	C	A	<i>ATP6V0A4</i>
7	138417791	A	G	<i>ATP6V0A4</i>
7	138440495	G	C	<i>ATP6V0A4</i>
7	138455988	A	G	<i>ATP6V0A4</i>
7	138486096	G	C	<i>TMEM213</i>
7	138522787	G	C	<i>KIAA1549</i>
7	138579245	G	A	<i>KIAA1549</i>
7	138588410	T	C	<i>KIAA1549</i>
7	138601572	C	T	<i>KIAA1549</i>
7	138601663	G	T	<i>KIAA1549</i>
7	138601706	C	A	<i>KIAA1549</i>
7	138602058	G	A	<i>KIAA1549</i>
7	138602417	G	A	<i>KIAA1549</i>
7	138602432	G	C	<i>KIAA1549</i>
7	138602916	G	C	<i>KIAA1549</i>
7	138603171	C	T	<i>KIAA1549</i>
7	138603282	T	C	<i>KIAA1549</i>
7	138603714	C	G	<i>KIAA1549</i>
7	138732497	G	A	<i>ZC3HAV1</i>
7	138761034	G	C	<i>ZC3HAV1</i>
7	138764233	C	T	<i>ZC3HAV1</i>
7	138764741	T	G	<i>ZC3HAV1</i>
7	138764803	C	T	<i>ZC3HAV1</i>
7	138851618	G	A	<i>TTC26</i>
7	138874088	C	T	<i>TTC26</i>
7	138946363	C	T	<i>UBN2</i>
7	138968412	T	G	<i>UBN2</i>
7	138978680	C	T	<i>UBN2</i>
7	139102335	A	C	<i>LUC7L2</i>
7	139107009	A	C	<i>LUC7L2</i>
7	139138950	C	G	<i>KLRG2</i>
7	139575458	T	G	<i>TBXAS1</i>
7	139653196	A	C	<i>TBXAS1</i>
7	139715641	G	A	<i>TBXAS1</i>
7	139715645	C	A	<i>TBXAS1</i>
7	139734069	C	T	<i>PARP12</i>
7	139746720	A	C	<i>PARP12</i>
7	139746793	C	T	<i>PARP12</i>
7	139797431	G	T	<i>KDM7A</i>

7	139810930	T	C	<i>KDM7A</i>
7	140125750	T	C	<i>RAB19</i>
7	140227293	A	G	<i>DENND2A</i>
7	140273789	G	A	<i>DENND2A</i>
7	140301731	G	T	<i>DENND2A</i>
7	140373254	C	T	<i>ADCK2</i>
7	140373540	C	T	<i>ADCK2</i>
7	140374049	T	C	<i>ADCK2</i>
7	140374064	G	C	<i>ADCK2</i>
7	140386932	C	T	<i>ADCK2</i>
7	140394563	C	T	<i>ADCK2</i>
7	141255283	A	G	<i>AGK</i>
7	141341124	C	A	<i>AGK</i>
7	141351366	C	T	<i>AGK</i>
7	141364723	G	T	<i>KIAA1147</i>
7	141366203	A	G	<i>KIAA1147</i>
7	141408581	A	C	<i>WEE2</i>
7	141429371	T	G	<i>WEE2</i>
7	141464063	G	A	<i>TAS2R3</i>
7	141464348	G	A	<i>TAS2R3</i>
7	141478574	G	C	<i>TAS2R4</i>
7	141478691	G	C	<i>TAS2R4</i>
7	141478800	G	A	<i>TAS2R4</i>
7	141478953	C	T	<i>TAS2R4</i>
7	141490219	G	A	<i>TAS2R5</i>
7	141490238	G	T	<i>TAS2R5</i>
7	141537735	T	G	<i>PRSS37</i>
7	141539277	T	C	<i>PRSS37</i>
7	141672604	T	C	<i>TAS2R38</i>
7	141672705	G	A	<i>TAS2R38</i>
7	141673074	T	C	<i>TAS2R38</i>
7	141673345	C	G	<i>TAS2R38</i>
7	141705413	T	C	<i>MGAM</i>
7	141727485	G	A	<i>MGAM</i>
7	141727515	C	T	<i>MGAM</i>
7	141727526	G	T	<i>MGAM</i>
7	141732665	C	T	<i>MGAM</i>
7	141734593	A	C	<i>MGAM</i>
7	141747646	C	T	<i>MGAM</i>
7	141803090	A	G	<i>MGAM</i>
7	141803124	T	C	<i>MGAM</i>
7	141952371	C	T	<i>PRSS58</i>
7	142457358	C	T	<i>PRSS1</i>

7	142563253	T	G	<i>EPHB6</i>
7	142566065	C	T	<i>EPHB6</i>
7	142569596	A	G	<i>TRPV6</i>
7	142572908	T	C	<i>TRPV6</i>
7	142605840	G	A	<i>TRPV5</i>
7	142609749	C	T	<i>TRPV5</i>
7	142609755	C	T	<i>TRPV5</i>
7	142612107	T	C	<i>TRPV5</i>
7	142612522	C	T	<i>TRPV5</i>
7	142630489	A	G	<i>TRPV5</i>
7	142630534	G	A	<i>TRPV5</i>
7	142636704	T	C	<i>C7orf34</i>
7	142637604	T	C	<i>C7orf34</i>
7	142651354	G	A	<i>KEL</i>
7	142655008	G	A	<i>KEL</i>
7	142658498	G	A	<i>KEL</i>
7	142723375	T	A	<i>OR9A2</i>
7	142749843	C	T	<i>OR6V1</i>
7	142750147	C	T	<i>OR6V1</i>
7	142836203	A	T	<i>PIP</i>
7	142836646	C	T	<i>PIP</i>
7	142880936	T	C	<i>TAS2R39</i>
7	142881269	G	A	<i>TAS2R39</i>
7	142881461	G	A	<i>TAS2R39</i>
7	142919731	C	A	<i>TAS2R40</i>
7	142962325	G	A	<i>GSTK1</i>
7	142983145	A	G	<i>TMEM139</i>
7	142983699	G	A	<i>TMEM139</i>
7	142983834	C	T	<i>TMEM139</i>
7	142991361	G	C	<i>CASP2</i>
7	143013391	A	C	<i>CLCN1</i>
7	143017807	G	T	<i>CLCN1</i>
7	143018525	C	G	<i>CLCN1</i>
7	143027910	G	A	<i>CLCN1</i>
7	143029874	G	A	<i>CLCN1</i>
7	143039510	G	C	<i>CLCN1</i>
7	143043240	C	T	<i>CLCN1</i>
7	143048771	C	T	<i>CLCN1</i>
7	143053713	C	T	<i>FAM131B</i>
7	143053723	C	T	<i>FAM131B</i>
7	143080060	A	T	<i>ZYX</i>
7	143085695	C	A	<i>ZYX</i>
7	143085968	C	T	<i>ZYX</i>

7	143088584	C	T	<i>EPHA1</i>
7	143092269	G	A	<i>EPHA1</i>
7	143095153	C	T	<i>EPHA1</i>
7	143095466	C	T	<i>EPHA1</i>
7	143097100	A	G	<i>EPHA1</i>
7	143140675	G	A	<i>TAS2R60</i>
7	143175188	G	A	<i>TAS2R41</i>
7	143175345	C	T	<i>TAS2R41</i>
7	143175689	C	T	<i>TAS2R41</i>
7	143632717	G	A	<i>OR2F2</i>
7	143633157	T	C	<i>OR2F2</i>
7	143657427	C	T	<i>OR2F1</i>
7	143657428	G	A	<i>OR2F1</i>
7	143657473	A	G	<i>OR2F1</i>
7	143701516	C	T	<i>OR6B1</i>
7	143701522	G	A	<i>OR6B1</i>
7	143747870	A	G	<i>OR2A5</i>
7	143771934	G	A	<i>OR2A25</i>
7	143771937	G	C	<i>OR2A25</i>
7	143792647	A	G	<i>OR2A12</i>
7	143792991	G	A	<i>OR2A12</i>
7	143806688	C	A	<i>OR2A2</i>
7	143826587	C	G	<i>OR2A14</i>
7	143826603	G	T	<i>OR2A14</i>
7	144096158	C	T	<i>NOBOX</i>
7	144462990	C	T	<i>TPK1</i>
7	145814041	G	A	<i>CNTNAP2</i>
7	146818170	G	C	<i>CNTNAP2</i>
7	148288020	G	T	<i>C7orf33</i>
7	148288054	T	C	<i>C7orf33</i>
7	148311240	C	T	<i>C7orf33</i>
7	148525904	C	G	<i>EZH2</i>
7	148709346	T	C	<i>PDIA4</i>
7	148712092	G	A	<i>PDIA4</i>
7	148716209	A	G	<i>PDIA4</i>
7	148718175	C	A	<i>PDIA4</i>
7	148768041	A	T	<i>ZNF786</i>
7	148768570	T	C	<i>ZNF786</i>
7	148768644	C	T	<i>ZNF786</i>
7	148769173	A	T	<i>ZNF786</i>
7	148771516	A	G	<i>ZNF786</i>
7	148801038	A	G	<i>ZNF425</i>
7	148801378	C	T	<i>ZNF425</i>

7	148873664	A	T	ZNF398
7	148876129	T	A	ZNF398
7	148892745	A	G	ZNF282
7	148904547	A	G	ZNF282
7	148947862	G	A	ZNF212
7	148949817	G	A	ZNF212
7	148950691	G	A	ZNF212
7	148950895	C	T	ZNF212
7	148951025	G	A	ZNF212
7	149129829	C	T	ZNF777
7	149148161	C	T	ZNF777
7	149152906	G	A	ZNF777
7	149172223	C	T	ZNF746
7	149462621	T	C	ZNF467
7	149462627	G	A	ZNF467
7	149473146	C	T	SSPO
7	149473472	G	A	SSPO
7	149473506	C	T	SSPO
7	149474393	A	G	SSPO
7	149475056	G	A	SSPO
7	149475919	G	-	SSPO
7	149475926	G	A	SSPO
7	149476119	G	T	SSPO
7	149480031	G	A	SSPO
7	149480243	C	A	SSPO
7	149480638	C	T	SSPO
7	149481994	G	T	SSPO
7	149482094	C	T	SSPO
7	149482796	G	C	SSPO
7	149483237	G	A	SSPO
7	149484550	G	A	SSPO
7	149486294	A	G	SSPO
7	149486382	C	G	SSPO
7	149488591	G	T	SSPO
7	149493577	A	T	SSPO
7	149493693	C	T	SSPO
7	149498893	A	G	SSPO
7	149498903	T	C	SSPO
7	149498990	G	A	SSPO
7	149501137	G	A	SSPO
7	149503834	G	T	SSPO
7	149503843	T	G	SSPO
7	149503917	GATA	-	SSPO

7	149505703	A	G	SSPO
7	149509691	G	A	SSPO
7	149511632	G	A	SSPO
7	149511985	A	G	SSPO
7	149512331	C	G	SSPO
7	149513118	G	A	SSPO
7	149515824	C	T	SSPO
7	149516508	C	T	SSPO
7	149516516	-	CGT	SSPO
7	149517796	G	A	SSPO
7	149517978	G	T	SSPO
7	149518043	C	T	SSPO
7	149519184	C	T	SSPO
7	149520912	C	T	SSPO
7	149520913	G	A	SSPO
7	149521183	G	A	SSPO
7	149521591	G	A	SSPO
7	149522162	G	T	SSPO
7	149522163	C	G	SSPO
7	149522165	G	A	SSPO
7	149523195	C	G	SSPO
7	149523277	A	G	SSPO
7	149523584	C	T	SSPO
7	149524913	G	A	SSPO
7	149528262	C	T	SSPO
7	149528263	G	A	SSPO
7	149529962	G	A	SSPO
7	149543269	C	T	ZNF862
7	149545025	C	T	ZNF862
7	149558744	T	C	ZNF862
7	149561323	G	A	ZNF862
7	149571095	G	A	ATP6V0E2
7	150028098	A	G	ZBED6CL
7	150034378	A	G	LRRC61
7	150035721	C	T	RARRES2
7	150066900	A	G	REPIN1
7	150068371	T	C	REPIN1
7	150068605	G	A	REPIN1
7	150068620	C	T	REPIN1
7	150164111	G	A	GIMAP8
7	150164189	C	G	GIMAP8
7	150171600	AGATATAGTGC-		GIMAP8
7	150171631	G	-	GIMAP8

7	150217123	A	-	GIMAP7
7	150217150	G	C	GIMAP7
7	150217309	C	T	GIMAP7
7	150269542	G	T	GIMAP4
7	150325175	C	T	GIMAP6
7	150325372	G	A	GIMAP6
7	150325454	T	C	GIMAP6
7	150389574	G	T	GIMAP2
7	150389594	G	T	GIMAP2
7	150389856	A	G	GIMAP2
7	150390125	A	G	GIMAP2
7	150439669	A	G	GIMAP1
7	150490238	G	A	TMEM176B
7	150490376	C	T	TMEM176B
7	150490682	C	T	TMEM176B
7	150491084	T	G	TMEM176B
7	150491156	T	C	TMEM176B
7	150493495	G	A	TMEM176B
7	150493503	T	A	TMEM176B
7	150499378	G	A	TMEM176A
7	150501455	G	T	TMEM176A
7	150501516	A	G	TMEM176A
7	150553605	C	T	AOC1
7	150554151	G	A	AOC1
7	150554553	C	T	AOC1
7	150556055	C	G	AOC1
7	150557665	C	G	AOC1
7	150690922	C	A	NOS3
7	150696111	T	G	NOS3
7	150708035	A	T	NOS3
7	150730900	C	T	ABCB8
7	150732812	C	T	ABCB8
7	150742408	G	T	ABCB8
7	150746189	C	A	ASIC3
7	150746207	C	T	ASIC3
7	150747896	C	T	ASIC3
7	150747934	CCCCAG	-	ASIC3
7	150747937	C	-	ASIC3
7	150761314	G	A	SLC4A2
7	150761407	G	A	SLC4A2
7	150761700	C	T	SLC4A2
7	150761715	G	A	SLC4A2
7	150764046	G	A	SLC4A2

7	150767360	C	T	SLC4A2
7	150774308	G	A	FASTK
7	150775948	A	C	FASTK
7	150776920	C	T	FASTK
7	150778855	T	G	TMUB1
7	150840963	C	T	AGAP3
7	150845977	C	T	GBX1
7	150873664	G	T	ASB10
7	150878220	G	A	ASB10
7	150878421	G	C	ASB10
7	150883498	G	A	ASB10
7	150883593	G	A	ASB10
7	150884003	C	T	ASB10
7	150884574	C	T	ASB10
7	150932436	C	T	CHPF2
7	150933593	G	A	CHPF2
7	150935385	C	T	CHPF2
7	150935426	A	G	CHPF2
7	150935430	G	C	CHPF2
7	151042447	G	T	NUB1
7	151078993	C	T	WDR86
7	151082294	C	T	WDR86
7	151668063	A	G	GALNTL5
7	151680072	T	C	GALNTL5
7	151680175	C	T	GALNTL5
7	151684246	G	A	GALNTL5
7	151684256	A	G	GALNTL5
7	151684294	G	A	GALNTL5
7	151684325	G	C	GALNTL5
7	151791365	C	T	GALNT11
7	151810476	A	G	GALNT11
7	151815793	G	C	GALNT11
7	151818659	T	C	GALNT11
7	151818691	G	A	GALNT11
7	151843784	A	C	KMT2C
7	151848538	G	C	KMT2C
7	151851132	A	G	KMT2C
7	151856090	C	G	KMT2C
7	151860230	G	C	KMT2C
7	151860688	C	A	KMT2C
7	151874581	G	C	KMT2C
7	151877127	G	T	KMT2C
7	151879489	A	G	KMT2C

7	151902197	C	G	<i>KMT2C</i>
7	151945656	A	T	<i>KMT2C</i>
7	151949068	C	G	<i>KMT2C</i>
7	151949698	G	T	<i>KMT2C</i>
7	151949735	T	C	<i>KMT2C</i>
7	151949756	C	A	<i>KMT2C</i>
7	152346007	C	T	<i>XRCC2</i>
7	154379517	C	T	<i>DPP6</i>
7	154379570	C	T	<i>DPP6</i>
7	154684153	T	C	<i>DPP6</i>
7	154738409	T	C	<i>PAXIP1</i>
7	154767477	C	T	<i>PAXIP1</i>
7	155301717	G	C	<i>CNPY1</i>
7	155504029	A	C	<i>RBM33</i>
7	155534687	C	T	<i>RBM33</i>
7	155538223	A	G	<i>RBM33</i>
7	155755797	G	A	<i>LOC389602</i>
7	155755861	C	T	<i>LOC389602</i>
7	155755876	G	A	<i>LOC389602</i>
7	155757393	G	A	<i>LOC389602</i>
7	156469123	G	A	<i>RNF32</i>
7	156469133	C	G	<i>RNF32</i>
7	156469179	C	T	<i>RNF32</i>
7	156554830	T	C	<i>LMBR1</i>
7	156742868	C	A	<i>NOM1</i>
7	156743126	A	T	<i>NOM1</i>
7	156743173	G	A	<i>NOM1</i>
7	156743264	C	A	<i>NOM1</i>
7	156755735	C	G	<i>NOM1</i>
7	156755781	G	A	<i>NOM1</i>
7	156755831	A	G	<i>NOM1</i>
7	156761818	G	A	<i>NOM1</i>
7	156967664	T	A	<i>UBE3C</i>
7	156976655	G	A	<i>UBE3C</i>
7	156979555	A	G	<i>UBE3C</i>
7	156994489	G	A	<i>UBE3C</i>
7	157000597	A	G	<i>UBE3C</i>
7	157333411	C	A	<i>PTPRN2</i>
7	157414146	G	A	<i>PTPRN2</i>
7	157929370	C	T	<i>PTPRN2</i>
7	157931091	C	T	<i>PTPRN2</i>
7	157931144	C	T	<i>PTPRN2</i>
7	157985149	C	G	<i>PTPRN2</i>

7	158464295	G	A	NCAPG2
7	158482638	T	C	NCAPG2
7	158486018	C	T	NCAPG2
7	158486086	A	G	NCAPG2
7	158528253	C	T	ESYT2
7	158531807	G	A	ESYT2
7	158536345	A	G	ESYT2
7	158590740	A	T	ESYT2
7	158663897	C	T	WDR60
7	158663939	A	G	WDR60
7	158664075	GAA	-	WDR60
7	158672476	C	G	WDR60
7	158679717	C	T	WDR60
7	158824645	C	T	VIPR2
7	158889704	G	A	VIPR2
8	194695	C	A	ZNF596
8	195254	C	A	ZNF596
8	195338	G	A	ZNF596
8	196274	T	G	ZNF596
8	196327	G	A	ZNF596
8	442473	C	T	TDRP
8	618675	G	A	ERICH1
8	623424	C	T	ERICH1
8	623696	G	A	ERICH1
8	623906	C	T	ERICH1
8	1497260	G	A	DLGAP2
8	1616675	C	T	DLGAP2
8	1616725	G	A	DLGAP2
8	1626460	-	CAC	DLGAP2
8	1728678	A	T	CLN8
8	1808270	C	T	ARHGEF10
8	1833801	G	C	ARHGEF10
8	1871183	C	T	ARHGEF10
8	1876707	G	A	ARHGEF10
8	1877480	T	G	ARHGEF10
8	1905048	C	A	ARHGEF10
8	1998978	C	A	MYOM2
8	2005591	C	G	MYOM2
8	2005883	C	T	MYOM2
8	2007303	C	T	MYOM2
8	2020437	C	T	MYOM2
8	2021421	G	T	MYOM2
8	2033446	G	A	MYOM2

8	2033495	G	C	MYOM2
8	2033500	C	T	MYOM2
8	2033500	C	G	MYOM2
8	2040288	G	A	MYOM2
8	2041834	A	C	MYOM2
8	2041894	G	A	MYOM2
8	2044203	G	A	MYOM2
8	2046700	C	T	MYOM2
8	2050520	G	A	MYOM2
8	2063891	G	C	MYOM2
8	2071174	T	C	MYOM2
8	2092640	G	T	MYOM2
8	2092718	C	T	MYOM2
8	2800096	C	T	CSMD1
8	2944766	T	C	CSMD1
8	2965294	G	C	CSMD1
8	3087687	C	G	CSMD1
8	3141775	C	G	CSMD1
8	3351240	C	G	CSMD1
8	6272353	A	G	MCPH1
8	6296550	G	T	MCPH1
8	6302106	C	A	MCPH1
8	6302183	G	C	MCPH1
8	6338306	C	A	MCPH1
8	6357416	C	T	MCPH1
8	6371240	C	G	ANGPT2
8	6479042	C	T	MCPH1
8	6479161	A	G	MCPH1
8	6500544	C	T	MCPH1
8	6566287	G	C	AGPAT5
8	6599270	G	A	AGPAT5
8	6673378	A	-	XKR5
8	6679429	C	A	XKR5
8	6690239	C	T	XKR5
8	6690276	T	C	XKR5
8	6783437	G	A	DEFA6
8	8176221	C	T	SGK223
8	8176554	C	T	SGK223
8	8185746	T	C	SGK223
8	8234714	C	T	SGK223
8	8235191	G	A	SGK223
8	8235510	G	C	SGK223
8	8560107	G	A	CLDN23

8	8560176	G	A	CLDN23
8	8749944	G	T	MFHAS1
8	8865537	T	C	ERI1
8	8869126	A	G	ERI1
8	8875885	A	G	ERI1
8	8887543	AAC	-	ERI1
8	8999019	C	T	PPP1R3B
8	8999039	G	T	PPP1R3B
8	9413594	A	G	TNKS
8	9623278	A	G	TNKS
8	10383138	G	A	PRSS55
8	10388824	G	A	PRSS55
8	10390452	C	T	PRSS55
8	10396056	G	C	PRSS55
8	10396078	G	T	PRSS55
8	10396265	C	G	PRSS55
8	10464604	T	C	RP1L1
8	10464616	G	A	RP1L1
8	10464755	C	T	RP1L1
8	10464796	G	C	RP1L1
8	10465399	T	A	RP1L1
8	10465748	T	C	RP1L1
8	10465771	G	T	RP1L1
8	10466161	C	T	RP1L1
8	10466482	G	A	RP1L1
8	10467124	G	C	RP1L1
8	10467207	C	A	RP1L1
8	10467604	C	A	RP1L1
8	10467624	-	ATTACTTTAGTC	RP1L1
8	10468172	G	A	RP1L1
8	10468964	G	A	RP1L1
8	10468988	C	T	RP1L1
8	10469233	A	G	RP1L1
8	10470148	G	A	RP1L1
8	10470470	C	T	RP1L1
8	10474042	T	G	RP1L1
8	10480144	G	A	RP1L1
8	10480165	C	T	RP1L1
8	10480225	G	C	RP1L1
8	10480305	C	T	RP1L1
8	10480377	G	C	RP1L1
8	10480495	G	A	RP1L1
8	10480582	G	C	RP1L1

8	10530218	C	T	<i>C8orf74</i>
8	10555226	G	A	<i>C8orf74</i>
8	10557936	-	C	<i>C8orf74</i>
8	10557965	C	T	<i>C8orf74</i>
8	10622935	C	G	<i>PINX1</i>
8	10623138	T	A	<i>PINX1</i>
8	10623240	T	C	<i>PINX1</i>
8	10690474	T	G	<i>PINX1</i>
8	11142456	C	A	<i>MTMR9</i>
8	11163903	A	C	<i>MTMR9</i>
8	11167105	C	A	<i>MTMR9</i>
8	11172536	G	C	<i>MTMR9</i>
8	11301601	G	C	<i>FAM167A</i>
8	11301733	G	A	<i>FAM167A</i>
8	11301753	A	C	<i>FAM167A</i>
8	11400849	C	T	<i>BLK</i>
8	11405576	G	A	<i>BLK</i>
8	11407690	C	T	<i>BLK</i>
8	11412934	G	A	<i>BLK</i>
8	11415492	A	C	<i>BLK</i>
8	11418856	C	T	<i>BLK</i>
8	11614483	C	T	<i>GATA4</i>
8	11615887	C	T	<i>GATA4</i>
8	11637276	G	A	<i>NEIL2</i>
8	11643553	G	T	<i>NEIL2</i>
8	11643696	G	A	<i>NEIL2</i>
8	11660362	T	C	<i>FDFT1</i>
8	11666337	A	G	<i>FDFT1</i>
8	11704617	T	G	<i>CTSB</i>
8	11708421	G	A	<i>CTSB</i>
8	11710174	T	C	<i>CTSB</i>
8	11710888	G	C	<i>CTSB</i>
8	12600720	T	A	<i>LONRF1</i>
8	12878637	A	G	<i>KIAA1456</i>
8	12878807	T	G	<i>KIAA1456</i>
8	12878843	C	A	<i>KIAA1456</i>
8	12879099	G	A	<i>KIAA1456</i>
8	12879539	A	G	<i>KIAA1456</i>
8	12947789	G	A	<i>DLC1</i>
8	12957657	C	T	<i>DLC1</i>
8	13356802	G	A	<i>DLC1</i>
8	13357340	G	C	<i>DLC1</i>
8	13357502	G	A	<i>DLC1</i>

8	13424565	C	T	<i>C8orf48</i>
8	13424583	C	T	<i>C8orf48</i>
8	13424600	A	T	<i>C8orf48</i>
8	13424727	A	G	<i>C8orf48</i>
8	13424840	G	T	<i>C8orf48</i>
8	13425353	T	A	<i>C8orf48</i>
8	13965705	G	A	<i>SGCZ</i>
8	15480643	A	G	<i>TUSC3</i>
8	15967628	T	C	<i>MSR1</i>
8	16012590	C	T	<i>MSR1</i>
8	16012594	G	A	<i>MSR1</i>
8	16012648	G	C	<i>MSR1</i>
8	16026115	G	T	<i>MSR1</i>
8	16026259	A	G	<i>MSR1</i>
8	16032753	T	C	<i>MSR1</i>
8	17067959	C	G	<i>ZDHHC2</i>
8	17067971	T	A	<i>ZDHHC2</i>
8	17157605	A	C	<i>MTMR7</i>
8	17159718	A	G	<i>MTMR7</i>
8	17230644	G	C	<i>MTMR7</i>
8	17396380	G	A	<i>SLC7A2</i>
8	17396415	G	A	<i>SLC7A2</i>
8	17396415	G	C	<i>SLC7A2</i>
8	17396420	C	A	<i>SLC7A2</i>
8	17406339	T	C	<i>SLC7A2</i>
8	17407865	T	C	<i>SLC7A2</i>
8	17419539	G	A	<i>SLC7A2</i>
8	17421188	C	G	<i>SLC7A2</i>
8	17491606	A	G	<i>PDGFRL</i>
8	17510766	C	G	<i>MTUS1</i>
8	17510972	G	C	<i>MTUS1</i>
8	17513484	T	C	<i>MTUS1</i>
8	17541943	T	G	<i>MTUS1</i>
8	17611381	C	G	<i>MTUS1</i>
8	17611387	T	G	<i>MTUS1</i>
8	17611593	T	C	<i>MTUS1</i>
8	17611959	T	G	<i>MTUS1</i>
8	17612043	G	A	<i>MTUS1</i>
8	17612318	C	A	<i>MTUS1</i>
8	17612518	A	G	<i>MTUS1</i>
8	17612686	A	C	<i>MTUS1</i>
8	17612694	C	G	<i>MTUS1</i>
8	17612698	T	C	<i>MTUS1</i>

8	17612760	G	C	MTUS1
8	17612872	C	T	MTUS1
8	17612875	A	G	MTUS1
8	17613005	C	A	MTUS1
8	17726069	C	A	FGL1
8	17731611	T	A	FGL1
8	17731935	T	C	FGL1
8	17731961	G	A	FGL1
8	17739538	T	C	FGL1
8	17743020	G	A	FGL1
8	17743051	A	T	FGL1
8	17796382	A	G	PCM1
8	17804768	T	C	PCM1
8	17813054	A	G	PCM1
8	17814915	A	G	PCM1
8	17815082	T	G	PCM1
8	17817553	G	T	PCM1
8	17820758	G	T	PCM1
8	17824658	A	C	PCM1
8	17830005	G	A	PCM1
8	17838213	G	T	PCM1
8	17849147	C	T	PCM1
8	17867185	A	T	PCM1
8	17868817	A	C	PCM1
8	17883155	C	G	PCM1
8	17916887	G	A	ASAH1
8	17918934	A	G	ASAH1
8	17919807	A	G	ASAH1
8	17919816	T	A	ASAH1
8	17924739	A	T	ASAH1
8	17942276	C	G	ASAH1
8	18079746	C	T	NAT1
8	18080001	G	A	NAT1
8	18080115	C	T	NAT1
8	18080116	G	A	NAT1
8	18080196	T	G	NAT1
8	18080308	A	T	NAT1
8	18257854	T	C	NAT2
8	18258103	G	A	NAT2
8	18258126	A	T	NAT2
8	18258370	G	A	NAT2
8	18393438	G	C	PSD3
8	18662355	G	A	PSD3

8	18729328	C	A	<i>PSD3</i>
8	18729350	G	A	<i>PSD3</i>
8	18729496	G	A	<i>PSD3</i>
8	18729529	C	G	<i>PSD3</i>
8	18729817	G	A	<i>PSD3</i>
8	18730030	C	A	<i>PSD3</i>
8	18730036	T	A	<i>PSD3</i>
8	19218745	A	G	<i>SH2D4A</i>
8	19218766	A	G	<i>SH2D4A</i>
8	19218826	G	A	<i>SH2D4A</i>
8	19221664	G	C	<i>SH2D4A</i>
8	19221700	G	A	<i>SH2D4A</i>
8	19231093	C	T	<i>SH2D4A</i>
8	19263328	C	G	<i>CSGALNACT1</i>
8	19316006	G	A	<i>CSGALNACT1</i>
8	19316070	T	C	<i>CSGALNACT1</i>
8	19681436	G	T	<i>INTS10</i>
8	19701702	G	T	<i>INTS10</i>
8	19805708	G	A	<i>LPL</i>
8	19813529	A	G	<i>LPL</i>
8	19818551	G	A	<i>LPL</i>
8	20005554	G	C	<i>SLC18A1</i>
8	20005574	A	G	<i>SLC18A1</i>
8	20036702	C	T	<i>SLC18A1</i>
8	20036713	A	G	<i>SLC18A1</i>
8	20036827	C	G	<i>SLC18A1</i>
8	20038447	T	C	<i>SLC18A1</i>
8	20054928	G	A	<i>ATP6V1B2</i>
8	20107433	C	T	<i>LZTS1</i>
8	20110406	G	C	<i>LZTS1</i>
8	20110915	C	T	<i>LZTS1</i>
8	20112418	C	G	<i>LZTS1</i>
8	20112605	G	T	<i>LZTS1</i>
8	21550800	A	T	<i>GFRA2</i>
8	21767033	T	C	<i>DOK2</i>
8	21767240	G	A	<i>DOK2</i>
8	21769432	A	G	<i>DOK2</i>
8	21892053	A	G	<i>NPM2</i>
8	21924633	G	A	<i>DMTN</i>
8	21929924	A	G	<i>DMTN</i>
8	21959726	G	A	<i>FAM160B2</i>
8	21960084	C	T	<i>FAM160B2</i>
8	21960096	C	T	<i>FAM160B2</i>

8	21964944	C	A	NUDT18
8	21976710	T	C	HR
8	21977898	G	T	HR
8	21978332	C	A	HR
8	21978591	G	A	HR
8	21982991	T	C	HR
8	21982997	A	G	HR
8	21983134	T	C	HR
8	21984765	C	T	HR
8	21984945	C	T	HR
8	21984985	G	A	HR
8	21984999	G	A	HR
8	21986479	G	A	HR
8	21986500	G	T	HR
8	21996453	C	T	REEP4
8	22020159	GTG	-	SFTPC
8	22021037	C	A	SFTPC
8	22049596	G	A	BMP1
8	22059363	G	A	BMP1
8	22105670	A	G	POLR3D
8	22136913	G	A	PIWIL2
8	22146113	A	G	PIWIL2
8	22168668	T	A	PIWIL2
8	22168677	C	T	PIWIL2
8	22172605	C	T	PIWIL2
8	22210532	C	G	PIWIL2
8	22211863	G	A	PIWIL2
8	22262229	GCTGCT	-	SLC39A14
8	22423972	C	G	SORBS3
8	22428640	G	A	SORBS3
8	22442395	C	T	PDLIM2
8	22458457	C	G	C8orf58
8	22471792	A	G	CCAR2
8	22472949	C	T	CCAR2
8	22481483	T	C	BIN3
8	22570935	T	C	PEBP4
8	22582461	C	G	PEBP4
8	22584718	T	C	PEBP4
8	22675196	T	C	PEBP4
8	22864938	G	A	RHOBTB2
8	22873221	G	A	RHOBTB2
8	22884737	G	T	TNFRSF10B
8	22886020	A	G	TNFRSF10B

8	22900701	G	A	<i>TNFRSF10B</i>
8	22960654	C	T	<i>TNFRSF10C</i>
8	22972272	T	-	<i>TNFRSF10C</i>
8	23001988	A	G	<i>TNFRSF10D</i>
8	23002090	C	T	<i>TNFRSF10D</i>
8	23003321	A	G	<i>TNFRSF10D</i>
8	23004486	G	A	<i>TNFRSF10D</i>
8	23012437	A	G	<i>TNFRSF10D</i>
8	23021346	G	A	<i>TNFRSF10D</i>
8	23049292	C	T	<i>TNFRSF10A</i>
8	23059324	C	G	<i>TNFRSF10A</i>
8	23082369	C	G	<i>TNFRSF10A</i>
8	23106860	C	T	<i>CHMP7</i>
8	23148940	G	A	<i>R3HCC1</i>
8	23150851	C	T	<i>R3HCC1</i>
8	23150878	T	G	<i>R3HCC1</i>
8	23167353	T	G	<i>LOXL2</i>
8	23225708	C	A	<i>LOXL2</i>
8	23294517	T	A	<i>ENTPD4</i>
8	23294645	A	C	<i>ENTPD4</i>
8	23294761	T	C	<i>ENTPD4</i>
8	23302080	T	G	<i>ENTPD4</i>
8	23305357	T	C	<i>ENTPD4</i>
8	23386571	G	C	<i>SLC25A37</i>
8	23423669	A	G	<i>SLC25A37</i>
8	23423697	G	A	<i>SLC25A37</i>
8	23560484	G	T	<i>NKX2</i>
8	24157589	A	G	<i>ADAM28</i>
8	24170956	C	A	<i>ADAM28</i>
8	24193085	G	A	<i>ADAM28</i>
8	24207438	G	A	<i>ADAM28</i>
8	24211331	G	A	<i>ADAM28</i>
8	24250832	C	G	<i>ADAMDEC1</i>
8	24259546	C	T	<i>ADAMDEC1</i>
8	24261526	A	G	<i>ADAMDEC1</i>
8	24261547	C	T	<i>ADAMDEC1</i>
8	24349417	T	C	<i>ADAM7</i>
8	24356818	A	C	<i>ADAM7</i>
8	24774683	C	A	<i>NEFM</i>
8	24774791	G	A	<i>NEFM</i>
8	24775940	G	A	<i>NEFM</i>
8	24813391	G	C	<i>NEFL</i>
8	25101205	A	T	<i>DOCK5</i>

8	25166339	A	G	<i>DOCK5</i>
8	25174610	C	T	<i>DOCK5</i>
8	25199988	C	T	<i>DOCK5</i>
8	25220569	C	T	<i>DOCK5</i>
8	25222165	A	G	<i>DOCK5</i>
8	25234858	A	G	<i>DOCK5</i>
8	25257451	C	G	<i>DOCK5</i>
8	25265651	C	A	<i>DOCK5</i>
8	25280800	C	G	<i>GNRH1</i>
8	25317966	C	T	<i>CDCA2</i>
8	25319678	T	C	<i>CDCA2</i>
8	25323786	-	ACC	<i>CDCA2</i>
8	25346073	G	C	<i>CDCA2</i>
8	25346108	T	G	<i>CDCA2</i>
8	25360923	G	T	<i>CDCA2</i>
8	25361033	A	G	<i>CDCA2</i>
8	25364101	G	C	<i>CDCA2</i>
8	25364834	A	T	<i>CDCA2</i>
8	26365716	C	T	<i>PNMA2</i>
8	26365806	G	A	<i>PNMA2</i>
8	26628028	A	G	<i>ADRA1A</i>
8	26721990	C	T	<i>ADRA1A</i>
8	26722027	A	C	<i>ADRA1A</i>
8	27099232	C	G	<i>STMN4</i>
8	27145143	G	A	<i>TRIM35</i>
8	27145183	G	A	<i>TRIM35</i>
8	27151632	T	A	<i>TRIM35</i>
8	27151698	C	T	<i>TRIM35</i>
8	27168494	C	T	<i>TRIM35</i>
8	27288514	C	A	<i>PTK2B</i>
8	27291039	C	G	<i>PTK2B</i>
8	27293308	G	T	<i>PTK2B</i>
8	27308585	A	C	<i>PTK2B</i>
8	27310673	C	T	<i>PTK2B</i>
8	27315929	C	T	<i>PTK2B</i>
8	27320526	G	T	<i>CHRNA2</i>
8	27324822	T	C	<i>CHRNA2</i>
8	27358495	C	T	<i>EPHX2</i>
8	27358496	G	A	<i>EPHX2</i>
8	27358505	A	G	<i>EPHX2</i>
8	27373865	G	A	<i>EPHX2</i>
8	27394334	-	GTC	<i>EPHX2</i>
8	27398092	C	T	<i>EPHX2</i>

8	27402022	G	T	EPHX2
8	27457512	T	G	CLU
8	27462461	G	A	CLU
8	27462662	G	A	CLU
8	27528446	T	C	SCARA3
8	27528464	G	A	SCARA3
8	27634064	C	T	ESCO2
8	27634576	-	A	ESCO2
8	27637758	A	T	ESCO2
8	27645419	A	C	ESCO2
8	27645464	A	C	ESCO2
8	27645482	G	A	ESCO2
8	27679981	T	C	PBK
8	27680584	AAT	-	PBK
8	27680615	T	A	PBK
8	27729527	C	T	SCARA5
8	27767231	C	G	SCARA5
8	27903069	C	T	NUGGC
8	27918057	T	C	NUGGC
8	27925173	T	C	NUGGC
8	27925185	G	A	NUGGC
8	27925204	T	C	NUGGC
8	27927849	C	G	NUGGC
8	28304767	G	T	FBXO16
8	28304769	C	T	FBXO16
8	28321247	C	T	FBXO16
8	28360541	C	G	FZD3
8	28932811	G	C	KIF13B
8	28950309	C	T	KIF13B
8	28950348	C	T	KIF13B
8	29207714	C	T	DUSP4
8	29924436	-	GTGAACTCAGA	SARAF
8	29924436	-	GTGAACTCAGA	SARAF
8	30032707	-	TC	DCTN6
8	30036941	A	G	DCTN6
8	30407042	G	A	RBPMS
8	30469817	T	C	GTF2E2
8	30469967	A	G	GTF2E2
8	30565624	G	A	GSR
8	30694432	G	A	TEX15
8	30694962	A	C	TEX15
8	30700203	A	C	TEX15
8	30700565	C	T	TEX15

8	30700598	T	C	TEX15
8	30700834	TC	-	TEX15
8	30702602	T	C	TEX15
8	30702738	C	T	TEX15
8	30702739	G	C	TEX15
8	30702785	T	C	TEX15
8	30703845	T	C	TEX15
8	30704120	G	A	TEX15
8	30705011	T	A	TEX15
8	30706224	A	G	TEX15
8	30916058	A	G	WRN
8	30921935	G	A	WRN
8	30938513	A	G	WRN
8	30938692	G	T	WRN
8	30938704	G	A	WRN
8	30945377	AAG	-	WRN
8	30948045	A	G	WRN
8	30969173	C	T	WRN
8	30998961	G	A	WRN
8	31004607	C	T	WRN
8	31012237	C	G	WRN
8	31014939	C	A	WRN
8	31024654	T	C	WRN
8	32453358	G	A	NRG1
8	32505615	G	C	NRG1
8	32505633	G	C	NRG1
8	32611970	G	T	NRG1
8	32613983	T	C	NRG1
8	32621630	C	T	NRG1
8	32621637	C	T	NRG1
8	32621844	G	T	NRG1
8	33246591	G	C	FUT10
8	33246645	A	G	FUT10
8	33310935	G	A	FUT10
8	33356074	A	G	MAK16
8	33369944	T	C	TTI2
8	33370014	G	A	TTI2
8	35647960	A	G	UNC5D
8	36664952	C	T	KCNU1
8	36691109	T	C	KCNU1
8	36703120	C	A	KCNU1
8	36767024	T	C	KCNU1
8	36788597	G	C	KCNU1

8	36793269	C	T	KCNU1
8	37688966	G	A	ADGRA2
8	37689051	C	T	ADGRA2
8	37689071	G	A	ADGRA2
8	37692704	G	A	ADGRA2
8	37693177	G	A	ADGRA2
8	37697735	C	A	ADGRA2
8	37702445	G	A	BRF2
8	37729777	G	A	RAB11FIP1
8	37729870	G	A	RAB11FIP1
8	37730017	G	A	RAB11FIP1
8	37730368	G	A	RAB11FIP1
8	37730456	G	T	RAB11FIP1
8	37732225	G	A	RAB11FIP1
8	37734755	G	A	RAB11FIP1
8	37823798	A	G	ADRB3
8	37963081	G	C	ASH2L
8	38003911	G	A	STAR
8	38034460	G	A	BAG4
8	38065246	C	G	BAG4
8	38095662	C	T	DDHD2
8	38162945	G	A	WHSC1L1
8	38260050	C	T	LETM2
8	38369982	C	G	C8orf86
8	38385914	C	T	C8orf86
8	38646251	C	A	TACC1
8	38677322	C	T	TACC1
8	38827186	C	-	PLEKHA2
8	38834187	G	T	HTRA4
8	38839283	AA	-	HTRA4
8	38845519	G	C	HTRA4
8	38853813	G	A	TM2D2
8	38869207	G	A	ADAM9
8	38871509	G	A	ADAM9
8	39080632	C	G	ADAM32
8	39111997	G	A	ADAM32
8	39133379	C	T	ADAM32
8	39141120	C	A	ADAM32
8	39442827	C	T	ADAM18
8	39468128	A	T	ADAM18
8	39521389	T	C	ADAM18
8	39537626	A	G	ADAM18
8	39581344	T	-	ADAM18

8	39604116	T	A	ADAM2
8	39606929	T	C	ADAM2
8	39606935	G	A	ADAM2
8	39624438	A	G	ADAM2
8	39695677	C	A	ADAM2
8	39840234	A	G	IDO2
8	39862881	C	T	IDO2
8	39862893	T	A	IDO2
8	39872935	T	A	IDO2
8	39873053	G	A	IDO2
8	40438757	T	C	ZMAT4
8	41542151	A	C	ANK1
8	41543675	G	A	ANK1
8	41547827	G	A	ANK1
8	41548003	T	C	ANK1
8	41550195	C	T	ANK1
8	41561921	G	T	ANK1
8	41573288	T	C	ANK1
8	41574488	C	T	ANK1
8	41574538	C	G	ANK1
8	41575677	G	A	ANK1
8	41577289	C	T	ANK1
8	41582031	G	T	ANK1
8	41791414	C	T	KAT6A
8	41832259	A	T	KAT6A
8	41906095	A	G	KAT6A
8	42038165	G	A	PLAT
8	42039484	G	A	PLAT
8	42226805	C	G	POLB
8	42294592	C	T	SLC20A2
8	42587552	G	A	CHRNA3
8	42608381	C	T	CHRNA6
8	42706014	C	T	RNF170
8	42720581	C	T	RNF170
8	42742895	G	A	RNF170
8	42780724	T	G	HOOK3
8	43054647	G	A	HGSNAT
8	43152162	G	C	POTEA
8	43173701	C	A	POTEA
8	43211950	A	C	POTEA
8	48352954	T	A	SPIDR
8	48625275	G	A	SPIDR
8	48647951	G	C	SPIDR

8	48878875	C	T	MCM4
8	48885436	T	A	MCM4
8	49643960	C	T	EFCAB1
8	49986690	A	G	C8orf22
8	49987801	A	G	C8orf22
8	51362258	G	A	SNTG1
8	51415396	G	C	SNTG1
8	52232487	G	T	PXDNL
8	52233408	C	T	PXDNL
8	52258429	A	T	PXDNL
8	52284560	A	T	PXDNL
8	52320832	G	C	PXDNL
8	52321243	T	C	PXDNL
8	52321686	C	T	PXDNL
8	52321728	G	C	PXDNL
8	52321966	G	A	PXDNL
8	52323908	A	G	PXDNL
8	52325767	T	G	PXDNL
8	52366156	C	T	PXDNL
8	52366157	G	A	PXDNL
8	52387593	T	A	PXDNL
8	53030923	G	T	ST18
8	53076592	G	T	ST18
8	53077749	G	A	ST18
8	53548616	T	C	RB1CC1
8	53558307	A	T	RB1CC1
8	53586706	A	G	RB1CC1
8	53852607	T	C	NPBWR1
8	53852871	A	T	NPBWR1
8	54727289	T	C	ATP6V1H
8	54764550	G	A	RGS20
8	54900770	C	T	TCEA1
8	55049131	A	G	MRPL15
8	55370796	C	A	SOX17
8	55537560	C	T	RP1
8	55539057	G	A	RP1
8	55539275	G	T	RP1
8	55539395	A	T	RP1
8	55540268	C	T	RP1
8	55541226	G	A	RP1
8	55541450	G	A	RP1
8	55541513	T	C	RP1
8	55541738	A	C	RP1

8	55541817	C	G	RP1
8	55541819	C	T	RP1
8	55542540	G	A	RP1
8	55542638	G	A	RP1
8	56675233	C	T	TMEM68
8	56698365	G	A	TGS1
8	56698370	C	G	TGS1
8	56698905	G	A	TGS1
8	56699251	C	T	TGS1
8	56711713	A	G	TGS1
8	56717529	G	A	TGS1
8	56723557	T	G	TGS1
8	56982383	A	G	RPS20
8	57026229	C	A	MOS
8	57078933	G	T	PLAG1
8	57080027	T	A	PLAG1
8	57218237	T	G	SDR16C5
8	57353851	C	T	PENK
8	57354047	G	C	PENK
8	57876468	C	T	IMPAD1
8	57876576	T	C	IMPAD1
8	59404300	C	T	CYP7A1
8	59404935	G	C	CYP7A1
8	59412620	G	A	CYP7A1
8	59508134	T	C	NSMAF
8	59520366	G	A	NSMAF
8	59727976	G	A	TOX
8	59728153	G	A	TOX
8	59851907	T	C	TOX
8	61655009	A	G	CHD7
8	61655179	G	T	CHD7
8	61655388	C	T	CHD7
8	61693942	-	AAAGCA	CHD7
8	61778448	C	T	CHD7
8	62412051	GAG	-	CLVS1
8	62550551	G	A	ASPH
8	62557164	T	C	ASPH
8	62577838	T	C	ASPH
8	62580802	T	C	ASPH
8	62580816	-	GTC	ASPH
8	62580819	A	T	ASPH
8	62580820	-	TGGGA	ASPH
8	62626879	-	GCCGCTGCTG	ASPH

8	63938764	G	A	GGH
8	65509264	G	A	CYP7B1
8	65527669	C	T	CYP7B1
8	66594600	A	G	MTFR1
8	66631607	C	T	PDE7A
8	66635809	G	A	PDE7A
8	66692011	C	T	PDE7A
8	67066394	C	T	TRIM55
8	67066396	C	T	TRIM55
8	67341714	G	C	RRS1
8	67341743	A	G	RRS1
8	67341938	G	T	RRS1
8	67342031	T	C	RRS1
8	67342165	A	T	RRS1
8	67342328	G	A	RRS1
8	67380528	T	C	ADHFE1
8	67478328	T	C	MYBL1
8	67478431	T	G	MYBL1
8	67504769	A	G	MYBL1
8	67507915	C	T	MYBL1
8	67590023	G	-	C8orf44
8	67592152	T	C	C8orf44
8	67786633	C	T	MCMDC2
8	67786817	C	T	MCMDC2
8	67789708	T	A	MCMDC2
8	67796120	C	G	MCMDC2
8	67809157	C	T	MCMDC2
8	67922949	C	T	PPP1R42
8	67988721	A	G	CSPP1
8	68015313	A	G	CSPP1
8	68028252	C	G	CSPP1
8	68031052	G	A	CSPP1
8	68074137	G	A	CSPP1
8	68102977	T	C	CSPP1
8	68115462	G	A	ARFGEF1
8	68130265	C	A	ARFGEF1
8	68204202	C	A	ARFGEF1
8	68346382	C	T	CPA6
8	68396042	C	T	CPA6
8	68396915	T	C	CPA6
8	68419039	G	C	CPA6
8	68421768	G	C	CPA6
8	68536470	A	G	CPA6

8	68930127	A	G	<i>PREX2</i>
8	68956816	G	A	<i>PREX2</i>
8	69002816	A	T	<i>PREX2</i>
8	69020558	C	T	<i>PREX2</i>
8	69033212	A	G	<i>PREX2</i>
8	69033249	G	A	<i>PREX2</i>
8	69046419	A	T	<i>PREX2</i>
8	69058524	C	G	<i>PREX2</i>
8	69058536	C	T	<i>PREX2</i>
8	69380981	G	A	<i>C8orf34</i>
8	69381053	G	A	<i>C8orf34</i>
8	69699756	G	A	<i>C8orf34</i>
8	70498639	C	G	<i>SULF1</i>
8	70515476	A	G	<i>SULF1</i>
8	70533375	C	G	<i>SULF1</i>
8	70550806	C	T	<i>SULF1</i>
8	70667793	C	T	<i>SLCO5A1</i>
8	70667845	T	C	<i>SLCO5A1</i>
8	70744167	G	A	<i>SLCO5A1</i>
8	70744581	C	T	<i>SLCO5A1</i>
8	70744812	G	A	<i>SLCO5A1</i>
8	70980738	T	C	<i>PRDM14</i>
8	70981539	T	C	<i>PRDM14</i>
8	71033566	T	C	<i>NCOA2</i>
8	71039118	C	G	<i>NCOA2</i>
8	71039122	C	T	<i>NCOA2</i>
8	71068718	C	T	<i>NCOA2</i>
8	71556453	CAGTGTGGC	-	<i>LACTB2</i>
8	71646112	A	T	<i>XKR9</i>
8	71646136	G	A	<i>XKR9</i>
8	71646201	C	T	<i>XKR9</i>
8	71646361	T	A	<i>XKR9</i>
8	71646504	A	G	<i>XKR9</i>
8	72936145	T	C	<i>TRPA1</i>
8	72963040	C	T	<i>TRPA1</i>
8	72973909	C	T	<i>TRPA1</i>
8	72977703	C	T	<i>TRPA1</i>
8	72981337	G	A	<i>TRPA1</i>
8	72981375	G	T	<i>TRPA1</i>
8	72984041	C	G	<i>TRPA1</i>
8	73849653	A	G	<i>KCNB2</i>
8	73979655	C	A	<i>SBSPON</i>
8	73982161	A	G	<i>SBSPON</i>

8	74005131	A	G	SBSPON
8	74205020	CTT	-	RPL7
8	74209461	T	G	RDH10
8	74507522	C	A	STAU2
8	74527996	C	T	STAU2
8	74706352	T	-	UBE2W
8	74791073	C	G	UBE2W
8	74893653	G	A	TMEM70
8	74893821	A	G	TMEM70
8	74917084	A	G	LY96
8	74939035	ACA	-	LY96
8	74941275	C	T	LY96
8	75156799	C	G	JPH1
8	75227486	G	A	JPH1
8	75737557	C	T	PI15
8	75928928	G	T	CRISPLD1
8	76468282	G	A	HNF4G
8	77616519	G	C	ZFHX4
8	77616519	G	A	ZFHX4
8	77616813	G	A	ZFHX4
8	77617500	G	C	ZFHX4
8	77761269	G	C	ZFHX4
8	77761824	C	T	ZFHX4
8	77761919	C	T	ZFHX4
8	77764207	G	A	ZFHX4
8	77764484	A	G	ZFHX4
8	77765398	A	G	ZFHX4
8	77768390	T	G	ZFHX4
8	77768498	G	A	ZFHX4
8	77895667	A	G	PEX2
8	77895865	A	G	PEX2
8	77896324	G	C	PEX2
8	79627505	C	T	ZC2HC1A
8	79629586	C	T	ZC2HC1A
8	80677484	G	A	HEY1
8	80677527	A	G	HEY1
8	80942341	C	G	MRPS28
8	80976802	C	T	TPD52
8	80976814	C	A	TPD52
8	80992664	A	G	TPD52
8	81399527	T	G	ZBTB10
8	81426196	C	A	ZBTB10
8	81430806	G	T	ZBTB10

8	81733727	C	A	ZNF704
8	82357149	A	G	PMP2
8	82391720	C	G	FABP4
8	82588492	T	C	IMPA1
8	82592967	G	A	IMPA1
8	82606322	G	C	SLC10A5
8	82607027	A	G	SLC10A5
8	82607068	C	G	SLC10A5
8	82670771	G	A	CHMP4C
8	82752079	T	C	SNX16
8	85785617	C	A	RALYL
8	86021932	T	A	LRRCC1
8	86021994	G	A	LRRCC1
8	86027418	A	G	LRRCC1
8	86049708	T	C	LRRCC1
8	86057649	G	A	LRRCC1
8	86057746	A	G	LRRCC1
8	86180719	A	G	CA13
8	86244732	G	A	CA1
8	87060843	T	C	PSKH2
8	87076520	C	A	PSKH2
8	87076810	C	T	PSKH2
8	87081758	C	A	PSKH2
8	87226700	A	G	SLC7A13
8	87229890	G	A	SLC7A13
8	87235210	G	A	SLC7A13
8	87235273	C	T	SLC7A13
8	87241987	T	A	SLC7A13
8	87242140	A	G	SLC7A13
8	87242372	G	C	SLC7A13
8	87460703	A	G	WWP1
8	87486541	TTC	-	RMDN1
8	87519315	T	G	RMDN1
8	87556968	G	A	CPNE3
8	87560606	TAA	-	CPNE3
8	87567193	C	T	CPNE3
8	87588042	G	C	CNGB3
8	87588198	T	C	CNGB3
8	87638255	T	C	CNGB3
8	87638279	T	C	CNGB3
8	87656009	G	-	CNGB3
8	87660100	T	C	CNGB3
8	87666251	T	G	CNGB3

8	87679303	A	C	CNGB3
8	87755776	T	C	CNGB3
8	87917311	G	T	CNBD1
8	87917340	G	A	CNBD1
8	87951831	A	G	CNBD1
8	88363986	TAT	-	CNBD1
8	88885221	CTT	-	DCAF4L2
8	88886022	G	T	DCAF4L2
8	88886150	TT	-	DCAF4L2
8	88886151	T	-	DCAF4L2
8	89086860	T	C	MMP16
8	90784979	T	C	RIPK2
8	90965597	A	T	NBN
8	90967646	A	G	NBN
8	90983460	G	A	NBN
8	90990479	C	G	NBN
8	90990521	T	C	NBN
8	90993640	C	T	NBN
8	91057198	A	G	DEC1
8	92082598	G	A	OTUD6B
8	92092926	G	A	OTUD6B
8	92097062	G	A	OTUD6B
8	92136728	C	T	LRRC69
8	92147930	A	T	LRRC69
8	92213022	T	A	LRRC69
8	92261950	T	C	SLC26A7
8	92346523	A	G	SLC26A7
8	92355599	C	T	SLC26A7
8	92374629	G	A	SLC26A7
8	92375732	A	T	SLC26A7
8	92378880	A	G	SLC26A7
8	92378910	A	G	SLC26A7
8	94745803	G	A	RBM12B
8	94746049	T	G	RBM12B
8	94746196	G	A	RBM12B
8	94746850	G	A	RBM12B
8	94747147	G	A	RBM12B
8	94747496	A	C	RBM12B
8	94748263	T	C	RBM12B
8	94772165	C	T	TMEM67
8	94772179	G	T	TMEM67
8	94777845	A	T	TMEM67
8	94792887	G	A	TMEM67

8	94798471	C	G	<i>TMEM67</i>
8	94808165	A	G	<i>TMEM67</i>
8	94811906	C	T	<i>TMEM67</i>
8	95143172	T	G	<i>CDH17</i>
8	95143186	C	G	<i>CDH17</i>
8	95188850	T	C	<i>CDH17</i>
8	95201468	G	A	<i>CDH17</i>
8	95384492	T	C	<i>RAD54B</i>
8	95399308	T	A	<i>RAD54B</i>
8	95479680	G	C	<i>RAD54B</i>
8	95502257	T	C	<i>KIAA1429</i>
8	95541459	A	C	<i>KIAA1429</i>
8	95654226	G	C	<i>ESRP1</i>
8	95655585	C	G	<i>ESRP1</i>
8	95658495	G	A	<i>ESRP1</i>
8	95777489	G	T	<i>DPY19L4</i>
8	95789917	-	TG	<i>DPY19L4</i>
8	95861739	G	A	<i>INTS8</i>
8	95878387	A	C	<i>INTS8</i>
8	95893915	T	C	<i>CCNE2</i>
8	96064423	G	A	<i>NDUFAF6</i>
8	96259948	T	C	<i>C8orf37</i>
8	96281363	G	C	<i>C8orf37</i>
8	97269208	G	C	<i>MTERF3</i>
8	97269238	G	C	<i>MTERF3</i>
8	97269324	G	T	<i>MTERF3</i>
8	97285561	G	A	<i>PTDSS1</i>
8	97614661	T	A	<i>SDC2</i>
8	97892119	G	A	<i>CPQ</i>
8	98041637	G	A	<i>CPQ</i>
8	98289238	T	C	<i>TSPYL5</i>
8	98656894	G	A	<i>MTDH</i>
8	98656966	G	T	<i>MTDH</i>
8	98657041	C	G	<i>MTDH</i>
8	98703317	A	G	<i>MTDH</i>
8	98703396	G	T	<i>MTDH</i>
8	98817692	-	ACATGTGCATT	<i>LAPTM4B</i>
8	98827629	-	CAACGCGCAG	<i>LAPTM4B</i>
8	98827629	-	CAACGCGCAG	<i>LAPTM4B</i>
8	98828408	-	CCTCCTAATTT	<i>LAPTM4B</i>
8	98828409	G	-	<i>LAPTM4B</i>
8	98828409	GTACGTGGA	-	<i>LAPTM4B</i>
8	98863677	C	T	<i>LAPTM4B</i>

8	98943205	C	T	MATN2
8	98943598	C	T	MATN2
8	98973696	G	A	MATN2
8	98991158	T	C	MATN2
8	98991221	A	G	MATN2
8	99044528	C	T	MATN2
8	99045866	G	A	MATN2
8	99047894	T	C	MATN2
8	99101421	G	A	ERICH5
8	99101429	T	A	ERICH5
8	99101507	G	A	ERICH5
8	99101544	C	T	ERICH5
8	99101554	G	C	ERICH5
8	99135575	G	A	POP1
8	99135639	G	A	POP1
8	99153088	A	C	POP1
8	99205612	C	T	NIPAL2
8	99217391	T	C	NIPAL2
8	99224642	C	T	NIPAL2
8	99234772	T	G	NIPAL2
8	99264792	C	T	NIPAL2
8	99441057	A	G	KCNS2
8	99779588	C	T	STK3
8	100146901	G	T	VPS13B
8	100147957	A	G	VPS13B
8	100155250	G	A	VPS13B
8	100155318	G	A	VPS13B
8	100155382	G	A	VPS13B
8	100160206	G	A	VPS13B
8	100205255	G	A	VPS13B
8	100286506	G	A	VPS13B
8	100287362	A	G	VPS13B
8	100443885	C	T	VPS13B
8	100454804	A	G	VPS13B
8	100654424	C	T	VPS13B
8	100712122	A	G	VPS13B
8	100791156	T	C	VPS13B
8	100791158	G	A	VPS13B
8	100831065	C	T	VPS13B
8	100832259	A	G	VPS13B
8	100844858	C	T	VPS13B
8	100861110	C	T	VPS13B
8	100874030	G	A	VPS13B

8	100990224	ATA	-	RGS22
8	100994172	T	C	RGS22
8	101008701	C	T	RGS22
8	101054074	T	G	RGS22
8	101054113	T	C	RGS22
8	101083613	T	C	RGS22
8	101092400	C	T	RGS22
8	101153511	A	G	FBXO43
8	101154066	G	A	FBXO43
8	101206391	G	A	SPAG1
8	101206459	-	GAC	SPAG1
8	101252680	T	C	SPAG1
8	101300222	T	G	RNF19A
8	101586133	T	C	SNX31
8	101608919	T	C	SNX31
8	101648164	C	G	SNX31
8	101719224	-	GGATGAGGTC	PABPC1
8	101719224	-	GGATGAGGTC	PABPC1
8	101719224	-	GGATGAGGTC	PABPC1
8	101719225	-	GATGAGGTCTC	PABPC1
8	101719225	-	GATGAGGTCTC	PABPC1
8	101719225	-	GATGAGGT	PABPC1
8	101719225	-	GATGAGGTCTC	PABPC1
8	102631911	G	A	GRHL2
8	103291407	A	G	UBR5
8	103564006	G	C	ODF1
8	103573006	G	A	ODF1
8	103573011	TGCAACCCCTC	-	ODF1
8	103573012	G	-	ODF1
8	103573015	A	-	ODF1
8	103573023	AGCCCCTGC	-	ODF1
8	103573024	G	-	ODF1
8	103573024	GCCCCTGC	-	ODF1
8	103573026	C	-	ODF1
8	103573026	C	A	ODF1
8	103573028	CTGCAACCCG	-	ODF1
8	103573032	AACCCGTGCAC	-	ODF1
8	103573033	ACCCGTGCAG	-	ODF1
8	103573033	ACCCGTGCAG	-	ODF1
8	103573037	G	-	ODF1
8	103573086	T	C	ODF1
8	103663614	C	T	KLF10
8	103663814	G	A	KLF10

8	103667800	C	G	KLF10
8	103851047	T	G	AZIN1
8	104312381	C	G	FZD6
8	104312432	A	G	FZD6
8	104336788	C	G	FZD6
8	104336878	G	A	FZD6
8	104337367	A	C	FZD6
8	104412688	T	C	SLC25A32
8	104412761	C	T	SLC25A32
8	104417045	C	T	SLC25A32
8	104427354	C	T	DCAF13
8	104427359	A	C	DCAF13
8	104427541	C	T	DCAF13
8	104427552	C	G	DCAF13
8	104432545	A	G	DCAF13
8	104432630	A	G	DCAF13
8	104778752	A	G	RIMS2
8	104897539	T	C	RIMS2
8	104897660	C	T	RIMS2
8	104924365	G	C	RIMS2
8	104943552	A	C	RIMS2
8	104987649	C	T	RIMS2
8	105010471	G	A	RIMS2
8	105367185	A	C	DCSTAMP
8	105367264	C	T	DCSTAMP
8	105367370	C	T	DCSTAMP
8	105502966	C	T	LRP12
8	105502999	G	A	LRP12
8	105503401	T	C	LRP12
8	105509717	A	C	LRP12
8	106431420	A	G	ZFPM2
8	106456600	G	A	ZFPM2
8	106801042	G	C	ZFPM2
8	106801092	A	G	ZFPM2
8	106813518	C	G	ZFPM2
8	106814597	G	A	ZFPM2
8	106814656	G	C	ZFPM2
8	107718680	A	G	OXR1
8	107773675	T	C	ABRA
8	107782313	A	G	ABRA
8	108296964	C	T	ANGPT1
8	108334162	G	T	ANGPT1
8	108970367	A	G	RSPO2

8	108970478	T	A	RSPO2
8	110131553	G	A	TRHR
8	110283256	T	C	NUDCD1
8	110283353	T	G	NUDCD1
8	110302047	T	G	NUDCD1
8	110393640	G	T	PKHD1L1
8	110394748	C	G	PKHD1L1
8	110397780	A	G	PKHD1L1
8	110406697	T	C	PKHD1L1
8	110413762	T	C	PKHD1L1
8	110424513	A	C	PKHD1L1
8	110424563	C	T	PKHD1L1
8	110432873	A	G	PKHD1L1
8	110437384	A	G	PKHD1L1
8	110437443	T	C	PKHD1L1
8	110447512	G	C	PKHD1L1
8	110448635	A	G	PKHD1L1
8	110450593	G	T	PKHD1L1
8	110451306	G	T	PKHD1L1
8	110453028	C	A	PKHD1L1
8	110454320	C	T	PKHD1L1
8	110454337	G	A	PKHD1L1
8	110455321	C	A	PKHD1L1
8	110456917	G	A	PKHD1L1
8	110457011	A	G	PKHD1L1
8	110457746	G	T	PKHD1L1
8	110460416	T	C	PKHD1L1
8	110460488	G	T	PKHD1L1
8	110477066	C	T	PKHD1L1
8	110477352	A	C	PKHD1L1
8	110478857	C	T	PKHD1L1
8	110491840	C	G	PKHD1L1
8	110492279	G	A	PKHD1L1
8	110492348	G	C	PKHD1L1
8	110492352	C	T	PKHD1L1
8	110498978	G	A	PKHD1L1
8	110499005	C	T	PKHD1L1
8	110504158	G	A	PKHD1L1
8	110504218	A	G	PKHD1L1
8	110505963	A	G	PKHD1L1
8	110520022	G	A	PKHD1L1
8	110527429	C	T	PKHD1L1
8	110539186	G	A	PKHD1L1

8	110588094	G	A	SYBU
8	110592151	A	G	SYBU
8	113241088	T	G	CSMD3
8	113253954	A	G	CSMD3
8	113277705	T	A	CSMD3
8	113364697	T	C	CSMD3
8	113504810	G	A	CSMD3
8	113702204	C	T	CSMD3
8	114186003	T	C	CSMD3
8	114326813	T	C	CSMD3
8	116631660	T	C	TRPS1
8	117783914	A	C	UTP23
8	118541031	G	C	MED30
8	119452073	G	A	SAMD12
8	119936978	C	T	TNFRSF11B
8	119964052	G	C	TNFRSF11B
8	120103401	A	C	COLEC10
8	120428816	G	T	NOV
8	120429024	G	A	NOV
8	120431506	G	A	NOV
8	120569823	G	A	ENPP2
8	120575249	C	T	ENPP2
8	120577150	G	A	ENPP2
8	120596023	A	G	ENPP2
8	120633757	G	A	ENPP2
8	120744349	T	C	TAF2
8	120744399	C	T	TAF2
8	120801058	T	A	TAF2
8	120803637	C	G	TAF2
8	120805621	C	T	TAF2
8	120844782	G	A	TAF2
8	120847188	T	C	DSCC1
8	120859235	A	C	DSCC1
8	120977489	A	G	DEPTOR
8	120977542	A	G	DEPTOR
8	121061879	G	A	DEPTOR
8	121220518	G	A	COL14A1
8	121222046	G	A	COL14A1
8	121228679	A	C	COL14A1
8	121237345	A	G	COL14A1
8	121243738	G	A	COL14A1
8	121259902	C	T	COL14A1
8	121259936	C	T	COL14A1

8	121267490	G	A	COL14A1
8	121267581	T	C	COL14A1
8	121292257	G	A	COL14A1
8	121292281	G	A	COL14A1
8	121298156	G	C	COL14A1
8	121301887	T	C	COL14A1
8	121354634	C	G	COL14A1
8	121357700	C	G	COL14A1
8	121437595	C	T	MRPL13
8	121466092	A	G	MTBP
8	121468899	T	C	MTBP
8	121502795	T	G	MTBP
8	121530092	C	T	MTBP
8	121551200	G	C	SNTB1
8	121561028	G	A	SNTB1
8	123964912	G	A	ZHX2
8	123965432	G	A	ZHX2
8	123966085	G	A	ZHX2
8	124031541	T	C	DERL1
8	124089483	C	G	TBC1D31
8	124089491	G	A	TBC1D31
8	124094998	G	A	TBC1D31
8	124121749	A	G	TBC1D31
8	124154697	G	T	TBC1D31
8	124195352	G	T	FAM83A
8	124206324	G	A	FAM83A
8	124219662	C	T	FAM83A
8	124221723	T	C	FAM83A
8	124221729	C	T	FAM83A
8	124238771	A	G	ZHX1
8	124335225	A	G	ATAD2
8	124357252	C	T	ATAD2
8	124440174	A	G	WDYHV1
8	124448736	A	G	WDYHV1
8	124448804	T	A	WDYHV1
8	124449466	C	T	WDYHV1
8	124658203	T	C	KLHL38
8	124658214	C	T	KLHL38
8	124663987	C	G	KLHL38
8	124663995	A	G	KLHL38
8	124664065	G	A	KLHL38
8	124664113	T	A	KLHL38
8	124664130	C	T	KLHL38

8	124664167	T	C	KLHL38
8	124664368	C	T	KLHL38
8	124664836	C	T	KLHL38
8	124664874	T	C	KLHL38
8	124710729	C	T	ANXA13
8	124968243	T	C	FER1L6
8	124978406	T	A	FER1L6
8	124989741	C	T	FER1L6
8	125022905	C	T	FER1L6
8	125047645	C	T	FER1L6
8	125052176	G	A	FER1L6
8	125076589	T	G	FER1L6
8	125083865	T	C	FER1L6
8	125103719	C	A	FER1L6
8	125115420	G	A	FER1L6
8	125132009	G	A	FER1L6
8	125132012	G	T	FER1L6
8	125463250	T	C	TRMT12
8	125463428	C	T	TRMT12
8	125500939	-	AAAAC	TATDN1
8	125531106	C	T	TATDN1
8	125565328	T	C	MTSS1
8	125568502	G	A	MTSS1
8	125988645	TAAACT	-	ZNF572
8	125989649	G	A	ZNF572
8	125989852	A	T	ZNF572
8	126021519	A	G	SQLE
8	126030967	A	T	SQLE
8	126044499	C	T	KIAA0196
8	126091044	G	A	KIAA0196
8	128750527	T	C	MYC
8	128750540	A	G	MYC
8	128750607	G	-	MYC
8	130760850	A	G	GSDMC
8	130788466	C	A	GSDMC
8	130789767	G	A	GSDMC
8	131072829	T	C	ASAP1
8	131124559	T	C	ASAP1
8	132051834	G	C	ADCY8
8	132051922	T	C	ADCY8
8	132051958	T	C	ADCY8
8	132051970	C	A	ADCY8
8	132982824	A	G	EFR3A

8	133015528	A	G	<i>EFR3A</i>
8	133053309	T	C	<i>OC90</i>
8	133053318	T	C	<i>OC90</i>
8	133053386	C	T	<i>OC90</i>
8	133053823	C	A	<i>OC90</i>
8	133056718	C	T	<i>OC90</i>
8	133090092	C	A	<i>HHLA1</i>
8	133092138	G	A	<i>HHLA1</i>
8	133141865	C	T	<i>KCNQ3</i>
8	133146616	G	A	<i>KCNQ3</i>
8	133175736	T	C	<i>KCNQ3</i>
8	133584558	A	G	<i>LRRC6</i>
8	133637659	G	A	<i>LRRC6</i>
8	133645065	G	C	<i>LRRC6</i>
8	133764112	T	C	<i>TMEM71</i>
8	133764161	G	A	<i>TMEM71</i>
8	133844543	G	A	<i>PHF20L1</i>
8	133881996	G	A	<i>TG</i>
8	133882026	G	A	<i>TG</i>
8	133883643	A	G	<i>TG</i>
8	133883671	C	T	<i>TG</i>
8	133899160	C	G	<i>TG</i>
8	133899184	T	C	<i>TG</i>
8	133899190	G	A	<i>TG</i>
8	133899575	G	A	<i>TG</i>
8	133900252	T	G	<i>TG</i>
8	133900662	G	T	<i>TG</i>
8	133906136	G	A	<i>TG</i>
8	133909974	A	G	<i>TG</i>
8	133919047	G	T	<i>TG</i>
8	133919130	C	T	<i>TG</i>
8	133920518	A	G	<i>TG</i>
8	133953673	C	T	<i>TG</i>
8	133975283	G	A	<i>TG</i>
8	133981760	T	C	<i>TG</i>
8	133984058	C	T	<i>TG</i>
8	134024278	C	T	<i>TG</i>
8	134030106	A	G	<i>TG</i>
8	134108546	T	C	<i>TG</i>
8	134114798	G	A	<i>SLA</i>
8	134125682	G	A	<i>TG</i>
8	134128945	A	G	<i>TG</i>
8	134232908	C	T	<i>WISP1</i>

8	134232950	G	A	WISP1
8	134233024	G	A	WISP1
8	134239770	T	C	WISP1
8	134276796	T	C	NDRG1
8	134296524	C	T	NDRG1
8	134478308	T	C	ST3GAL1
8	134487996	G	A	ST3GAL1
8	135602591	C	T	ZFAT
8	135614326	G	A	ZFAT
8	135614553	G	C	ZFAT
8	135649838	G	A	ZFAT
8	135649848	G	A	ZFAT
8	139164185	T	C	FAM135B
8	139164850	T	C	FAM135B
8	139165273	G	A	FAM135B
8	139165289	T	C	FAM135B
8	139601612	G	T	COL22A1
8	139606427	A	T	COL22A1
8	139672708	G	C	COL22A1
8	139701173	T	G	COL22A1
8	139701209	G	T	COL22A1
8	139749799	G	T	COL22A1
8	139815174	C	G	COL22A1
8	139838912	T	C	COL22A1
8	141321405	C	T	TRAPPC9
8	141525292	A	C	CHRA1
8	141525327	A	G	CHRA1
8	142154291	G	A	DENND3
8	142170813	C	T	DENND3
8	142199128	C	T	DENND3
8	142202712	C	T	DENND3
8	142222445	T	C	SLC45A4
8	142225961	T	C	SLC45A4
8	142228142	T	C	SLC45A4
8	142228658	T	C	SLC45A4
8	142228909	G	A	SLC45A4
8	142367087	C	T	GPR20
8	142367221	G	T	GPR20
8	142441127	C	T	PTP4A3
8	143396446	C	T	TSNARE1
8	143413136	C	T	TSNARE1
8	143425506	C	T	TSNARE1
8	143427178	C	G	TSNARE1

8	143436006	T	C	<i>TSNARE1</i>
8	143436034	A	G	<i>TSNARE1</i>
8	143623536	C	T	<i>ADGRB1</i>
8	143624989	C	A	<i>ADGRB1</i>
8	143740311	A	C	<i>JRK</i>
8	143745968	C	T	<i>JRK</i>
8	143745981	G	A	<i>JRK</i>
8	143747023	C	T	<i>JRK</i>
8	143747146	A	G	<i>JRK</i>
8	143747177	G	A	<i>JRK</i>
8	143747389	G	A	<i>JRK</i>
8	143762807	G	A	<i>PSCA</i>
8	143763531	G	A	<i>PSCA</i>
8	143816828	G	A	<i>THEM6</i>
8	143833856	C	T	<i>LYPD2</i>
8	143867905	C	T	<i>LY6D</i>
8	143922620	C	T	<i>GML</i>
8	143927918	A	G	<i>GML</i>
8	143961102	C	T	<i>CYP11B1</i>
8	143994806	A	G	<i>CYP11B2</i>
8	144124609	T	C	<i>C8orf31</i>
8	144240258	G	A	<i>LY6H</i>
8	144297206	G	A	<i>GPIHBP1</i>
8	144297269	C	T	<i>GPIHBP1</i>
8	144332248	A	G	<i>ZFP41</i>
8	144358381	G	A	<i>GLI4</i>
8	144358819	T	G	<i>GLI4</i>
8	144403487	G	A	<i>TOP1MT</i>
8	144406705	C	T	<i>TOP1MT</i>
8	144407675	T	C	<i>TOP1MT</i>
8	144411525	G	A	<i>TOP1MT</i>
8	144411548	C	T	<i>TOP1MT</i>
8	144416928	T	C	<i>TOP1MT</i>
8	144416967	C	T	<i>TOP1MT</i>
8	144522278	C	G	<i>ZC3H3</i>
8	144557681	C	T	<i>ZC3H3</i>
8	144557739	G	A	<i>ZC3H3</i>
8	144620246	A	G	<i>ZC3H3</i>
8	144620328	A	C	<i>ZC3H3</i>
8	144620334	C	G	<i>ZC3H3</i>
8	144620342	T	C	<i>ZC3H3</i>
8	144620584	G	A	<i>ZC3H3</i>
8	144620810	G	C	<i>ZC3H3</i>

8	144620855	C	A	ZC3H3
8	144621035	G	A	ZC3H3
8	144621084	T	G	ZC3H3
8	144621091	A	T	ZC3H3
8	144623574	T	C	ZC3H3
8	144651881	G	T	MROH6
8	144651952	A	G	MROH6
8	144654249	G	A	MROH6
8	144654255	A	G	MROH6
8	144654730	G	T	MROH6
8	144672035	C	T	EEF1D
8	144681563	C	T	TIGD5
8	144688309	C	T	PYCR1
8	144688736	C	G	PYCR1
8	144689146	C	T	PYCR1
8	144690264	C	T	PYCR1
8	144732092	A	G	ZNF623
8	144732319	A	G	ZNF623
8	144732418	A	G	ZNF623
8	144732488	A	T	ZNF623
8	144775871	C	A	ZNF707
8	144788904	T	C	CCDC166
8	144799903	G	A	MAPK15
8	144801230	T	A	MAPK15
8	144801593	C	A	MAPK15
8	144802456	C	T	MAPK15
8	144803450	C	T	MAPK15
8	144803494	G	C	MAPK15
8	144803518	A	C	MAPK15
8	144803531	G	A	MAPK15
8	144803785	T	C	MAPK15
8	144803822	-	C	MAPK15
8	144804299	T	C	MAPK15
8	144808572	C	T	FAM83H
8	144808926	C	T	FAM83H
8	144811340	G	A	FAM83H
8	144873475	G	A	SCRIB
8	144877654	T	G	SCRIB
8	144893084	G	A	SCRIB
8	144895820	C	T	SCRIB
8	144896066	T	G	SCRIB
8	144919852	G	A	NRBP2
8	144940804	-	CT	EPPK1

8	144940836	T	C	<i>EPPK1</i>
8	144941081	C	T	<i>EPPK1</i>
8	144941181	G	C	<i>EPPK1</i>
8	144941198	T	G	<i>EPPK1</i>
8	144941204	C	T	<i>EPPK1</i>
8	144941205	G	A	<i>EPPK1</i>
8	144941723	G	A	<i>EPPK1</i>
8	144942796	C	A	<i>EPPK1</i>
8	144942903	T	C	<i>EPPK1</i>
8	144943196	C	T	<i>EPPK1</i>
8	144943220	TTG	-	<i>EPPK1</i>
8	144944225	C	T	<i>EPPK1</i>
8	144944226	G	A	<i>EPPK1</i>
8	144945792	T	C	<i>EPPK1</i>
8	144946484	C	A	<i>EPPK1</i>
8	144947117	C	A	<i>EPPK1</i>
8	144991271	C	T	<i>PLEC</i>
8	144993931	C	G	<i>PLEC</i>
8	144994028	C	T	<i>PLEC</i>
8	144994916	C	T	<i>PLEC</i>
8	144994955	C	T	<i>PLEC</i>
8	144995144	G	A	<i>PLEC</i>
8	144995169	G	C	<i>PLEC</i>
8	144995788	G	A	<i>PLEC</i>
8	144995807	T	C	<i>PLEC</i>
8	144995938	C	T	<i>PLEC</i>
8	144995939	G	A	<i>PLEC</i>
8	144995977	C	T	<i>PLEC</i>
8	144996029	A	G	<i>PLEC</i>
8	144996830	C	T	<i>PLEC</i>
8	145001031	T	C	<i>PLEC</i>
8	145006992	C	T	<i>PLEC</i>
8	145007187	G	A	<i>PLEC</i>
8	145009036	C	T	<i>PLEC</i>
8	145051905	G	A	<i>PARP10</i>
8	145057868	A	G	<i>PARP10</i>
8	145058539	T	C	<i>PARP10</i>
8	145058986	A	G	<i>PARP10</i>
8	145059329	C	T	<i>PARP10</i>
8	145086777	C	T	<i>SPATC1</i>
8	145086856	G	A	<i>SPATC1</i>
8	145095062	G	A	<i>SPATC1</i>
8	145095556	C	A	<i>SPATC1</i>

8	145095577	C	T	<i>SPATC1</i>
8	145107915	G	A	<i>OPLAH</i>
8	145107999	G	A	<i>OPLAH</i>
8	145108191	T	C	<i>OPLAH</i>
8	145109753	C	T	<i>OPLAH</i>
8	145111353	C	T	<i>OPLAH</i>
8	145112398	G	A	<i>OPLAH</i>
8	145112983	C	T	<i>OPLAH</i>
8	145113241	T	G	<i>OPLAH</i>
8	145113903	C	G	<i>OPLAH</i>
8	145114844	C	T	<i>OPLAH</i>
8	145141025	G	T	<i>GPAA1</i>
8	145150833	T	C	<i>CYC1</i>
8	145153851	C	T	<i>SHARPIN</i>
8	145154222	G	A	<i>SHARPIN</i>
8	145154910	G	A	<i>SHARPIN</i>
8	145542375	T	C	<i>DGAT1</i>
8	145559746	C	T	<i>SCRT1</i>
8	145580028	A	G	<i>FBXL6</i>
8	145580535	C	G	<i>FBXL6</i>
8	145580759	C	A	<i>FBXL6</i>
8	145583505	C	A	<i>SLC52A2</i>
8	145603114	A	C	<i>ADCK5</i>
8	145618248	G	T	<i>ADCK5</i>
8	145620661	C	A	<i>CPSF1</i>
8	145623785	C	T	<i>CPSF1</i>
8	145626956	C	G	<i>CPSF1</i>
8	145639654	T	C	<i>SLC39A4</i>
8	145639681	G	C	<i>SLC39A4</i>
8	145639726	T	C	<i>SLC39A4</i>
8	145640411	A	G	<i>SLC39A4</i>
8	145641328	C	T	<i>SLC39A4</i>
8	145642002	C	T	<i>SLC39A4</i>
8	145659016	T	C	<i>TONSL</i>
8	145662005	G	C	<i>TONSL</i>
8	145663876	C	T	<i>TONSL</i>
8	145689665	C	A	<i>CYHR1</i>
8	145689667	C	G	<i>CYHR1</i>
8	145699735	G	C	<i>FOXH1</i>
8	145700381	C	G	<i>FOXH1</i>
8	145729719	C	A	<i>GPT</i>
8	145729727	C	A	<i>GPT</i>
8	145730221	G	A	<i>GPT</i>

8	145732114	G	C	<i>GPT</i>
8	145732151	G	A	<i>GPT</i>
8	145732180	G	C	<i>GPT</i>
8	145736521	G	A	<i>MFSD3</i>
8	145737123	G	A	<i>RECQL4</i>
8	145737131	C	G	<i>RECQL4</i>
8	145737373	C	T	<i>RECQL4</i>
8	145737701	C	T	<i>RECQL4</i>
8	145737705	C	T	<i>RECQL4</i>
8	145738349	G	T	<i>RECQL4</i>
8	145738416	-	GGTGCA	<i>RECQL4</i>
8	145739416	C	T	<i>RECQL4</i>
8	145739604	T	C	<i>RECQL4</i>
8	145742514	A	G	<i>RECQL4</i>
8	145746788	G	A	<i>LRRC14</i>
8	145747920	T	G	<i>LRRC24</i>
8	145772564	C	T	<i>ARHGAP39</i>
8	145773236	C	G	<i>ARHGAP39</i>
8	145773342	CTG	-	<i>ARHGAP39</i>
8	145948440	T	C	<i>ZNF251</i>
8	145999617	TTT	-	<i>ZNF34</i>
8	145999658	G	C	<i>ZNF34</i>
8	146016869	T	C	<i>RPL8</i>
8	146017424	C	G	<i>RPL8</i>
8	146033023	C	G	<i>ZNF517</i>
8	146067054	G	A	<i>ZNF7</i>
8	146067502	G	A	<i>ZNF7</i>
8	146076611	C	T	<i>COMMD5</i>
8	146076708	C	T	<i>COMMD5</i>
8	146157104	C	G	<i>ZNF16</i>
8	146157265	C	T	<i>ZNF16</i>
8	146278000	C	T	<i>C8orf33</i>
8	146278038	G	A	<i>C8orf33</i>
9	214517	C	A	<i>C9orf66</i>
9	214651	C	T	<i>C9orf66</i>
9	214706	G	C	<i>C9orf66</i>
9	214804	A	G	<i>C9orf66</i>
9	215296	A	G	<i>C9orf66</i>
9	271638	C	T	<i>DOCK8</i>
9	286593	C	A	<i>DOCK8</i>
9	289557	G	A	<i>DOCK8</i>
9	304628	G	A	<i>DOCK8</i>
9	304670	C	T	<i>DOCK8</i>

9	312088	C	A	<i>DOCK8</i>
9	312134	G	A	<i>DOCK8</i>
9	334337	A	G	<i>DOCK8</i>
9	368128	C	T	<i>DOCK8</i>
9	406999	C	T	<i>DOCK8</i>
9	420579	A	G	<i>DOCK8</i>
9	449874	G	C	<i>DOCK8</i>
9	710818	A	G	<i>KANK1</i>
9	710915	A	T	<i>KANK1</i>
9	710966	G	A	<i>KANK1</i>
9	711053	A	G	<i>KANK1</i>
9	711396	C	G	<i>KANK1</i>
9	711869	G	A	<i>KANK1</i>
9	712060	G	C	<i>KANK1</i>
9	712727	C	A	<i>KANK1</i>
9	712754	T	C	<i>KANK1</i>
9	712784	C	G	<i>KANK1</i>
9	730054	A	G	<i>KANK1</i>
9	732536	T	C	<i>KANK1</i>
9	841971	T	A	<i>DMRT1</i>
9	894044	A	G	<i>DMRT1</i>
9	990076	G	A	<i>DMRT3</i>
9	990520	C	T	<i>DMRT3</i>
9	990638	C	T	<i>DMRT3</i>
9	990653	G	T	<i>DMRT3</i>
9	990856	G	A	<i>DMRT3</i>
9	1056569	G	A	<i>DMRT2</i>
9	1056728	G	C	<i>DMRT2</i>
9	1056825	C	T	<i>DMRT2</i>
9	1056959	G	C	<i>DMRT2</i>
9	2191309	C	G	<i>SMARCA2</i>
9	2635545	G	A	<i>VLDLR</i>
9	2639898	A	G	<i>VLDLR</i>
9	2643709	G	A	<i>VLDLR</i>
9	2644799	T	C	<i>VLDLR</i>
9	2648286	G	A	<i>VLDLR</i>
9	2729686	C	G	<i>KCNV2</i>
9	2729696	A	G	<i>KCNV2</i>
9	2828742	C	A	<i>PUM3</i>
9	2828765	C	G	<i>PUM3</i>
9	2834094	A	G	<i>PUM3</i>
9	2838470	C	T	<i>PUM3</i>
9	3271018	G	A	<i>RFX3</i>

9	4117933	C	G	<i>GLIS3</i>
9	4117942	G	T	<i>GLIS3</i>
9	4118279	T	C	<i>GLIS3</i>
9	4118287	C	G	<i>GLIS3</i>
9	4118540	C	G	<i>GLIS3</i>
9	4118585	G	T	<i>GLIS3</i>
9	4118634	G	C	<i>GLIS3</i>
9	4561527	T	C	<i>SLC1A1</i>
9	4576045	T	C	<i>SLC1A1</i>
9	4617999	G	C	<i>SPATA6L</i>
9	4622453	T	C	<i>SPATA6L</i>
9	4622472	C	A	<i>SPATA6L</i>
9	4625359	C	T	<i>SPATA6L</i>
9	4625415	T	C	<i>SPATA6L</i>
9	4629170	-	AAAA	<i>SPATA6L</i>
9	4662016	G	C	<i>SPATA6L</i>
9	4663165	G	A	<i>PLPP6</i>
9	4679846	G	C	<i>CDC37L1</i>
9	4826961	C	G	<i>RCL1</i>
9	4860267	C	T	<i>RCL1</i>
9	5065003	C	G	<i>JAK2</i>
9	5072561	G	A	<i>JAK2</i>
9	5073770	G	T	<i>JAK2</i>
9	5081828	G	C	<i>JAK2</i>
9	5126343	G	A	<i>JAK2</i>
9	5126715	A	G	<i>JAK2</i>
9	5185365	A	G	<i>INSL6</i>
9	5185368	G	C	<i>INSL6</i>
9	5231605	C	G	<i>INSL4</i>
9	5300255	C	A	<i>RLN2</i>
9	5300385	C	G	<i>RLN2</i>
9	5339713	A	C	<i>RLN1</i>
9	5339715	T	C	<i>RLN1</i>
9	5361143	G	C	<i>PLGRKT</i>
9	5431913	A	G	<i>PLGRKT</i>
9	5462876	C	G	<i>CD274</i>
9	5522576	G	-	<i>PDCD1LG2</i>
9	5534924	C	G	<i>PDCD1LG2</i>
9	5557672	T	C	<i>PDCD1LG2</i>
9	5557708	T	C	<i>PDCD1LG2</i>
9	5656610	G	C	<i>RIC1</i>
9	5746010	G	T	<i>RIC1</i>
9	5747390	C	A	<i>RIC1</i>

9	5747418	T	G	<i>RIC1</i>
9	5757363	G	A	<i>RIC1</i>
9	5772978	A	G	<i>RIC1</i>
9	5801283	T	A	<i>ERMP1</i>
9	5811257	T	C	<i>ERMP1</i>
9	5812897	T	G	<i>ERMP1</i>
9	5919734	G	A	<i>KIAA2026</i>
9	5919788	G	C	<i>KIAA2026</i>
9	5920454	T	G	<i>KIAA2026</i>
9	5920886	G	A	<i>KIAA2026</i>
9	5921575	A	G	<i>KIAA2026</i>
9	5921697	AAT	-	<i>KIAA2026</i>
9	5921844	G	T	<i>KIAA2026</i>
9	5921851	A	G	<i>KIAA2026</i>
9	5922071	T	C	<i>KIAA2026</i>
9	5922080	C	G	<i>KIAA2026</i>
9	5923103	G	C	<i>KIAA2026</i>
9	5968721	C	A	<i>KIAA2026</i>
9	6013624	C	T	<i>RANBP6</i>
9	6014446	T	G	<i>RANBP6</i>
9	6250600	G	T	<i>IL33</i>
9	6251169	G	A	<i>IL33</i>
9	6255967	G	C	<i>IL33</i>
9	6328947	T	C	<i>TPD52L3</i>
9	6421105	G	A	<i>UHRF2</i>
9	6434112	A	G	<i>UHRF2</i>
9	6554781	C	A	<i>GLDC</i>
9	6644629	T	C	<i>GLDC</i>
9	6984236	G	A	<i>KDM4C</i>
9	6986395	A	G	<i>KDM4C</i>
9	6986464	G	C	<i>KDM4C</i>
9	7011719	T	C	<i>KDM4C</i>
9	7013909	A	G	<i>KDM4C</i>
9	7046901	C	G	<i>KDM4C</i>
9	7046917	A	G	<i>KDM4C</i>
9	7174573	A	T	<i>KDM4C</i>
9	7174673	G	A	<i>KDM4C</i>
9	7799653	G	T	<i>TMEM261</i>
9	8485834	G	A	<i>PTPRD</i>
9	8486142	A	G	<i>PTPRD</i>
9	8497250	T	C	<i>PTPRD</i>
9	8499805	C	A	<i>PTPRD</i>
9	8518052	G	C	<i>PTPRD</i>

9	12694066	G	A	TYRP1
9	12694094	T	C	TYRP1
9	12694204	G	A	TYRP1
9	12694274	G	A	TYRP1
9	12821511	G	A	LURAP1L
9	12821695	T	C	LURAP1L
9	13107092	C	T	MPDZ
9	13112024	C	T	MPDZ
9	13136783	T	C	MPDZ
9	13140070	C	T	MPDZ
9	13150558	A	C	MPDZ
9	13158062	C	T	MPDZ
9	13176248	T	C	MPDZ
9	13186355	T	C	MPDZ
9	13188953	A	T	MPDZ
9	13190162	T	A	MPDZ
9	13190163	C	T	MPDZ
9	13190235	T	A	MPDZ
9	13223592	G	C	MPDZ
9	13224410	C	G	MPDZ
9	13224441	C	A	MPDZ
9	13224491	G	A	MPDZ
9	13250302	T	C	MPDZ
9	14662319	C	T	ZDHC21
9	14720357	C	A	CER1
9	14720357	C	T	CER1
9	14722477	G	C	CER1
9	14737506	T	G	FREM1
9	14759892	G	T	FREM1
9	14775917	T	A	FREM1
9	14792848	G	A	FREM1
9	14797516	A	T	FREM1
9	14801710	C	A	FREM1
9	14801738	G	C	FREM1
9	14801769	C	T	FREM1
9	14805066	T	A	FREM1
9	14805094	G	A	FREM1
9	14816829	G	C	FREM1
9	14819370	G	T	FREM1
9	14824088	T	C	FREM1
9	14842557	T	C	FREM1
9	14846036	C	G	FREM1
9	15187992	A	T	TTC39B

9	15188106	T	C	<i>TTC39B</i>
9	15211342	T	C	<i>TTC39B</i>
9	15214237	T	G	<i>TTC39B</i>
9	15447191	T	G	<i>SNAPC3</i>
9	15459821	A	C	<i>SNAPC3</i>
9	15564100	C	T	<i>CCDC171</i>
9	15571630	T	A	<i>CCDC171</i>
9	15591372	T	A	<i>CCDC171</i>
9	15777709	G	C	<i>CCDC171</i>
9	15784631	A	G	<i>CCDC171</i>
9	15874585	T	G	<i>CCDC171</i>
9	16419367	T	C	<i>BNC2</i>
9	16419498	T	C	<i>BNC2</i>
9	16419519	G	A	<i>BNC2</i>
9	16436324	G	T	<i>BNC2</i>
9	16436952	G	C	<i>BNC2</i>
9	17135259	C	T	<i>CNTLN</i>
9	17135270	-	G	<i>CNTLN</i>
9	17166843	A	T	<i>CNTLN</i>
9	17273754	A	C	<i>CNTLN</i>
9	17298291	C	T	<i>CNTLN</i>
9	17340864	C	T	<i>CNTLN</i>
9	17394994	C	T	<i>CNTLN</i>
9	17415847	A	G	<i>CNTLN</i>
9	17415987	A	G	<i>CNTLN</i>
9	17462978	C	G	<i>CNTLN</i>
9	17462985	A	C	<i>CNTLN</i>
9	18639300	G	A	<i>ADAMTSL1</i>
9	18661995	T	G	<i>ADAMTSL1</i>
9	18684731	G	T	<i>ADAMTSL1</i>
9	18721642	A	G	<i>ADAMTSL1</i>
9	18775808	G	A	<i>ADAMTSL1</i>
9	18775810	C	A	<i>ADAMTSL1</i>
9	18776997	G	A	<i>ADAMTSL1</i>
9	18777196	A	C	<i>ADAMTSL1</i>
9	18777268	C	T	<i>ADAMTSL1</i>
9	18777304	C	T	<i>ADAMTSL1</i>
9	18777601	G	A	<i>ADAMTSL1</i>
9	18829952	A	G	<i>ADAMTSL1</i>
9	18905795	A	G	<i>ADAMTSL1</i>
9	18928210	G	A	<i>SAXO1</i>
9	18928441	T	C	<i>SAXO1</i>
9	18928536	G	C	<i>SAXO1</i>

9	18928652	G	A	SAXO1
9	18941665	C	T	SAXO1
9	18941745	G	A	SAXO1
9	18950895	T	C	SAXO1
9	19058734	T	A	HAUS6
9	19058743	G	C	HAUS6
9	19126124	G	C	PLIN2
9	19290794	A	C	DENND4C
9	19346594	T	G	DENND4C
9	19346710	A	G	DENND4C
9	19346729	C	T	DENND4C
9	19358153	G	A	DENND4C
9	19372118	C	G	DENND4C
9	19785979	G	A	SLC24A2
9	19786015	C	T	SLC24A2
9	19786020	A	C	SLC24A2
9	20740272	C	A	FOCAD
9	20865973	A	G	FOCAD
9	20881888	C	T	FOCAD
9	20881957	C	T	FOCAD
9	20933030	A	C	FOCAD
9	20944681	C	G	FOCAD
9	20953049	A	G	FOCAD
9	20981542	C	T	FOCAD
9	20988423	G	A	FOCAD
9	20988426	A	G	FOCAD
9	20990164	G	A	FOCAD
9	20995555	C	T	FOCAD
9	21015925	C	T	HACD4
9	21029330	T	C	HACD4
9	21304891	C	G	IFNA5
9	21304913	G	A	IFNA5
9	21333719	C	T	KLHL9
9	21481483	G	A	IFNE
9	21481556	T	G	IFNE
9	21816758	G	A	MTAP
9	21970916	C	T	CDKN2A
9	21974640	C	G	CDKN2A
9	22447071	C	T	DMRTA1
9	22447428	G	T	DMRTA1
9	22451120	A	G	DMRTA1
9	26842442	C	T	CAAP1
9	26905633	T	C	PLAA

9	26917136	G	A	PLAA
9	26978168	A	T	IFT74
9	26978170	A	G	IFT74
9	26978259	A	G	IFT74
9	26995580	T	A	LRRC19
9	26995787	G	A	LRRC19
9	26995821	C	T	LRRC19
9	26997968	A	G	LRRC19
9	26998047	C	T	LRRC19
9	27009100	T	C	IFT74
9	27017017	C	T	IFT74
9	27055671	A	C	IFT74
9	27062666	G	A	IFT74
9	27062721	C	T	IFT74
9	27172662	C	T	TEK
9	27183463	A	C	TEK
9	27190655	G	A	TEK
9	27197486	G	T	TEK
9	27284785	G	T	EQTN
9	27292474	T	C	EQTN
9	27524364	-	TGTT	IFNK
9	27524366	G	A	IFNK
9	27524438	T	C	IFNK
9	27524731	A	G	IFNK
9	27561628	T	C	C9orf72
9	32405589	G	T	ACO1
9	32408612	G	A	ACO1
9	32418353	C	T	ACO1
9	32418473	A	G	ACO1
9	32457307	-	AGAA	DDX58
9	32480251	A	T	DDX58
9	32481339	C	T	DDX58
9	32500832	C	T	DDX58
9	32526146	G	A	DDX58
9	32541880	G	C	TOPORS
9	32542278	T	C	TOPORS
9	32542793	G	T	TOPORS
9	32630385	T	G	TAF1L
9	32632532	G	A	TAF1L
9	32633036	C	T	TAF1L
9	32635157	C	T	TAF1L
9	32784218	G	A	TMEM215
9	32973554	T	A	APTX

9	32984657	A	T	APTX
9	32989872	C	A	APTX
9	33240216	C	T	SPINK4
9	33240225	G	A	SPINK4
9	33246639	C	T	SPINK4
9	33264393	GGGTCAACTCC-		BAG1
9	33264399	ACTC	-	BAG1
9	33311139	C	T	NFX1
9	33364731	G	A	NFX1
9	33366682	G	A	NFX1
9	33367523	G	A	NFX1
9	33367587	C	T	NFX1
9	33385776	A	C	AQP7
9	33463255	G	A	NOL6
9	33463295	T	G	NOL6
9	33464897	T	C	NOL6
9	33465784	G	A	NOL6
9	33466088	G	A	NOL6
9	33466142	C	T	NOL6
9	33467469	G	C	NOL6
9	33470111	G	A	NOL6
9	33797928	-	CT	PRSS3
9	33927899	G	A	UBAP2
9	33941759	T	C	UBAP2
9	34017106	C	T	UBAP2
9	34107505	C	T	DCAF12
9	34255823	C	G	KIF24
9	34255988	A	C	KIF24
9	34256375	G	T	KIF24
9	34257095	G	A	KIF24
9	34257908	G	A	KIF24
9	34306410	C	A	KIF24
9	34310927	T	C	KIF24
9	34379692	C	T	C9orf24
9	34490009	G	C	DNAI1
9	34490416	A	G	DNAI1
9	34513143	T	C	DNAI1
9	34514426	C	A	DNAI1
9	34635679	G	A	SIGMAR1
9	34649442	A	G	GALT
9	34655629	C	T	IL11RA
9	34660864	C	T	IL11RA
9	34661994	G	A	CCL27

9	34723339	G	A	FAM205A
9	34725742	T	C	FAM205A
9	34725818	C	A	FAM205A
9	34726781	A	T	FAM205A
9	34726821	A	C	FAM205A
9	34728065	G	A	FAM205A
9	34972352	G	A	PHF24
9	35042296	G	A	C9orf131
9	35043291	G	T	C9orf131
9	35044398	T	C	C9orf131
9	35044493	T	A	C9orf131
9	35045126	T	C	C9orf131
9	35075022	C	T	FANCG
9	35076755	G	A	FANCG
9	35079502	G	A	FANCG
9	35089196	A	G	PIGO
9	35089399	C	T	PIGO
9	35094242	T	C	PIGO
9	35095102	G	T	PIGO
9	35100681	C	T	STOML2
9	35107455	T	C	FAM214B
9	35236570	G	A	UNC13B
9	35295780	C	T	UNC13B
9	35295880	C	A	UNC13B
9	35397166	C	G	UNC13B
9	35398605	G	A	UNC13B
9	35555458	G	A	RUSC2
9	35563062	G	A	FAM166B
9	35563190	T	C	FAM166B
9	35609578	G	A	TESK1
9	35612978	G	A	CD72
9	35618053	C	A	CD72
9	35618065	C	T	CD72
9	35649916	C	A	SIT1
9	35650832	G	A	SIT1
9	35660901	C	T	CCDC107
9	35660990	A	G	CCDC107
9	35661057	C	G	CCDC107
9	35663006	C	T	ARHGEF39
9	35665153	C	A	ARHGEF39
9	35674053	G	A	CA9
9	35674191	G	A	CA9
9	35674191	G	-	CA9

9	35674191	GGAGAGGAGG-		CA9
9	35674347	A	T	CA9
9	35679251	A	G	CA9
9	35733402	A	G	CREB3
9	35735134	G	A	CREB3
9	35738146	C	T	GBA2
9	35740293	C	G	GBA2
9	35750887	C	G	RGP1
9	35751681	C	G	RGP1
9	35752048	C	A	RGP1
9	35810245	G	A	SPAG8
9	35811228	T	C	SPAG8
9	35811229	A	G	SPAG8
9	35811486	CCAGGACCAG/-		SPAG8
9	35811487	CA	-	SPAG8
9	35811488	AG	-	SPAG8
9	35811489	G	-	SPAG8
9	35811490	G	-	SPAG8
9	35811491	ACCAGAGCCAC-		SPAG8
9	35811492	C	-	SPAG8
9	35811715	T	C	SPAG8
9	35811933	T	G	SPAG8
9	35825706	G	C	FAM221B
9	35826038	T	C	FAM221B
9	35826058	T	C	FAM221B
9	35842491	T	C	TMEM8B
9	35870001	T	C	OR13J1
9	35870133	C	T	OR13J1
9	35906471	C	T	HRCT1
9	35957669	T	C	OR2S2
9	35958047	T	C	OR2S2
9	35958056	C	T	OR2S2
9	36087876	G	A	RECK
9	36169723	G	A	CCIN
9	36169894	A	G	CCIN
9	36170290	G	A	CCIN
9	36170952	C	T	CCIN
9	36583642	A	G	MELK
9	36607660	A	G	MELK
9	36651864	C	T	MELK
9	36671123	A	T	MELK
9	36674897	A	G	MELK
9	36846910	C	T	PAX5

9	36882049	C	T	PAX5
9	36966688	G	A	PAX5
9	37304236	T	G	ZCCHC7
9	37422763	C	T	GRHPR
9	37424859	G	-	GRHPR
9	37441650	T	C	ZBTB5
9	37442329	C	T	ZBTB5
9	37489378	C	T	POLR1E
9	37498197	G	A	POLR1E
9	37501807	G	A	POLR1E
9	37503087	G	A	POLR1E
9	37541433	A	C	FBXO10
9	37692654	A	C	FRMPD1
9	37711382	G	A	FRMPD1
9	37729786	C	T	FRMPD1
9	37733752	G	A	FRMPD1
9	37740594	G	A	FRMPD1
9	37740726	C	T	FRMPD1
9	37744565	T	G	FRMPD1
9	37745102	G	A	FRMPD1
9	37746585	A	C	FRMPD1
9	37784876	T	G	EXOSC3
9	37784989	C	G	EXOSC3
9	37784990	G	A	EXOSC3
9	38396002	C	T	ALDH1B1
9	38396065	G	T	ALDH1B1
9	38396388	C	T	ALDH1B1
9	38396502	G	A	ALDH1B1
9	38396877	C	T	ALDH1B1
9	38396906	C	-	ALDH1B1
9	38397154	T	C	ALDH1B1
9	38411411	C	T	IGFBPL1
9	38413274	C	T	IGFBPL1
9	38615698	C	T	ANKRD18A
9	71152343	C	G	TMEM252
9	71549847	G	A	PIP5K1B
9	71628207	G	C	PRKACG
9	71831325	C	T	TJP2
9	71835842	C	A	TJP2
9	71844124	G	A	TJP2
9	71851040	C	G	TJP2
9	71851877	G	A	TJP2
9	71998936	C	T	FAM189A2

9	72082776	C	T	APBA1
9	72338293	C	G	PTAR1
9	72459519	G	A	C9orf135
9	72501780	A	G	C9orf135
9	72723204	G	A	MAMDC2
9	72723324	T	C	MAMDC2
9	72755129	AAA	-	MAMDC2
9	72897434	G	A	SMC5
9	72897440	T	C	SMC5
9	72897495	A	G	SMC5
9	73028142	C	A	KLF9
9	73028201	G	A	KLF9
9	73150873	T	G	TRPM3
9	73150918	C	T	TRPM3
9	73150984	C	T	TRPM3
9	73151059	G	A	TRPM3
9	73151387	C	T	TRPM3
9	73151894	C	T	TRPM3
9	73152169	C	T	TRPM3
9	74305020	C	T	TMEM2
9	74305098	C	T	TMEM2
9	74319677	T	C	TMEM2
9	74327120	C	T	TMEM2
9	74332970	G	A	TMEM2
9	74345063	G	A	TMEM2
9	74349846	A	T	TMEM2
9	74360096	C	T	TMEM2
9	74360234	C	T	TMEM2
9	74561983	G	A	C9orf85
9	74671756	A	G	C9orf57
9	74840668	G	A	GDA
9	74865703	C	T	GDA
9	75355093	C	T	TMC1
9	75407159	T	C	TMC1
9	75524540	C	T	ALDH1A1
9	75782421	G	A	ANXA1
9	75784045	G	A	ANXA1
9	77357506	G	A	TRPM6
9	77367203	T	C	TRPM6
9	77376647	T	C	TRPM6
9	77400933	C	T	TRPM6
9	77411729	C	G	TRPM6
9	77435340	C	A	TRPM6

9	77454973	C	T	TRPM6
9	77454985	C	A	TRPM6
9	77643079	C	T	CARNMT1
9	77683924	T	G	NMRK1
9	77683986	C	T	NMRK1
9	77684824	G	C	NMRK1
9	77684860	C	G	NMRK1
9	78506189	G	A	PCSK5
9	78808173	G	A	PCSK5
9	78853916	G	C	PCSK5
9	78907151	G	A	PCSK5
9	78910241	A	C	PCSK5
9	78910273	G	A	PCSK5
9	78936357	G	A	PCSK5
9	78936358	G	A	PCSK5
9	78938043	G	A	PCSK5
9	78938186	G	C	PCSK5
9	78943039	C	T	PCSK5
9	78947501	G	A	PCSK5
9	78965816	G	A	PCSK5
9	78969059	C	A	PCSK5
9	79117751	A	G	GCNT1
9	79117770	C	G	GCNT1
9	79318313	G	A	PRUNE2
9	79318367	T	C	PRUNE2
9	79318376	GTGACAGCCTC-		PRUNE2
9	79318677	T	C	PRUNE2
9	79318812	C	T	PRUNE2
9	79318824	T	C	PRUNE2
9	79319799	G	A	PRUNE2
9	79319874	C	A	PRUNE2
9	79320095	T	G	PRUNE2
9	79320439	T	G	PRUNE2
9	79320640	C	T	PRUNE2
9	79320847	G	C	PRUNE2
9	79321276	T	C	PRUNE2
9	79321308	TCCTGACACTG-		PRUNE2
9	79322674	A	G	PRUNE2
9	79322710	C	T	PRUNE2
9	79322921	G	T	PRUNE2
9	79323348	G	A	PRUNE2
9	79324135	-	TGACTGTTGCA	PRUNE2
9	79324741	T	C	PRUNE2

9	79324955	C	T	<i>PRUNE2</i>
9	79326058	G	C	<i>PRUNE2</i>
9	79441650	T	C	<i>PRUNE2</i>
9	79465455	C	T	<i>PRUNE2</i>
9	79834890	A	G	<i>VPS13A</i>
9	79867181	G	A	<i>VPS13A</i>
9	79897155	A	G	<i>VPS13A</i>
9	79908273	G	A	<i>VPS13A</i>
9	79931219	A	G	<i>VPS13A</i>
9	79938036	C	T	<i>VPS13A</i>
9	79938069	G	A	<i>VPS13A</i>
9	79954594	G	A	<i>VPS13A</i>
9	79968362	T	C	<i>VPS13A</i>
9	79996933	G	A	<i>VPS13A</i>
9	80020874	C	A	<i>VPS13A</i>
9	80046318	G	A	<i>GNA14</i>
9	80144079	G	A	<i>GNA14</i>
9	80262613	G	A	<i>GNA14</i>
9	80880442	C	A	<i>CEP78</i>
9	80881659	G	A	<i>CEP78</i>
9	82267611	G	C	<i>TLE4</i>
9	82322119	C	T	<i>TLE4</i>
9	82337885	G	A	<i>TLE4</i>
9	84228372	G	A	<i>TLE1</i>
9	84608198	C	A	<i>SPATA31D1</i>
9	84608474	-	A	<i>SPATA31D1</i>
9	84609162	G	C	<i>SPATA31D1</i>
9	85615159	C	T	<i>RASEF</i>
9	85615377	T	C	<i>RASEF</i>
9	85627408	G	A	<i>RASEF</i>
9	85863069	G	A	<i>FRMD3</i>
9	85863101	G	A	<i>FRMD3</i>
9	85863174	C	A	<i>FRMD3</i>
9	85926813	A	T	<i>FRMD3</i>
9	86258357	G	A	<i>IDNK</i>
9	86292683	C	A	<i>UBQLN1</i>
9	86474115	T	C	<i>KIF27</i>
9	86474252	C	T	<i>KIF27</i>
9	86504027	A	C	<i>KIF27</i>
9	86518534	C	T	<i>KIF27</i>
9	86518796	T	C	<i>KIF27</i>
9	86554482	G	A	<i>C9orf64</i>
9	86559809	G	C	<i>C9orf64</i>

9	86571126	C	T	<i>C9orf64</i>
9	86616901	A	G	<i>RMI1</i>
9	86617265	A	G	<i>RMI1</i>
9	86894251	C	G	<i>SLC28A3</i>
9	86900369	T	A	<i>SLC28A3</i>
9	87325623	C	A	<i>NTRK2</i>
9	87338515	C	A	<i>NTRK2</i>
9	88162066	T	G	<i>AGTPBP1</i>
9	88307720	T	C	<i>AGTPBP1</i>
9	88574781	T	G	<i>NAA35</i>
9	88633203	C	T	<i>NAA35</i>
9	88650378	G	A	<i>GOLM1</i>
9	88651271	A	G	<i>GOLM1</i>
9	88651370	T	C	<i>GOLM1</i>
9	88661440	C	T	<i>GOLM1</i>
9	88661453	C	G	<i>GOLM1</i>
9	88842804	C	T	<i>C9orf153</i>
9	88937852	TTT	-	<i>ZCCHC6</i>
9	88938668	G	A	<i>ZCCHC6</i>
9	88940359	C	T	<i>ZCCHC6</i>
9	88960026	G	A	<i>ZCCHC6</i>
9	89771569	G	A	<i>C9orf170</i>
9	90262235	G	A	<i>DAPK1</i>
9	90266509	G	T	<i>DAPK1</i>
9	90272985	C	G	<i>DAPK1</i>
9	90283560	G	T	<i>DAPK1</i>
9	90322023	G	A	<i>DAPK1</i>
9	90322029	G	T	<i>DAPK1</i>
9	90498000	T	G	<i>SPATA31E1</i>
9	90500157	T	C	<i>SPATA31E1</i>
9	90500189	C	G	<i>SPATA31E1</i>
9	90500193	C	G	<i>SPATA31E1</i>
9	90500405	A	C	<i>SPATA31E1</i>
9	90500627	G	A	<i>SPATA31E1</i>
9	90501609	C	T	<i>SPATA31E1</i>
9	90501759	G	T	<i>SPATA31E1</i>
9	90501980	G	A	<i>SPATA31E1</i>
9	90502264	-	GGCA	<i>SPATA31E1</i>
9	90502457	G	A	<i>SPATA31E1</i>
9	90502458	T	A	<i>SPATA31E1</i>
9	90502470	G	A	<i>SPATA31E1</i>
9	90502992	C	T	<i>SPATA31E1</i>
9	90503042	G	A	<i>SPATA31E1</i>

9	90503313	C	G	<i>SPATA31E1</i>
9	90503451	G	A	<i>SPATA31E1</i>
9	91262387	G	A	<i>LOC286238</i>
9	91262494	G	T	<i>LOC286238</i>
9	91262522	T	A	<i>LOC286238</i>
9	91605923	T	C	<i>C9orf47</i>
9	91605937	G	C	<i>C9orf47</i>
9	91605981	C	T	<i>C9orf47</i>
9	91606806	C	T	<i>C9orf47</i>
9	91606812	G	A	<i>C9orf47</i>
9	91616843	G	A	<i>S1PR3</i>
9	91653075	C	T	<i>SHC3</i>
9	91690082	C	T	<i>SHC3</i>
9	91954848	C	G	<i>SECISBP2</i>
9	91956347	A	G	<i>SECISBP2</i>
9	91978397	C	T	<i>SEMA4D</i>
9	91991867	G	A	<i>SEMA4D</i>
9	91993815	C	T	<i>SEMA4D</i>
9	91994433	C	T	<i>SEMA4D</i>
9	92017824	C	T	<i>SEMA4D</i>
9	94118202	T	C	<i>AUH</i>
9	94172507	C	T	<i>NFIL3</i>
9	94486491	G	A	<i>ROR2</i>
9	94487187	C	T	<i>ROR2</i>
9	94495608	T	C	<i>ROR2</i>
9	94830356	C	A	<i>SPTLC1</i>
9	94985637	T	C	<i>IARS</i>
9	95004477	C	T	<i>IARS</i>
9	95019048	G	A	<i>IARS</i>
9	95048890	C	T	<i>IARS</i>
9	95063947	C	T	<i>NOL8</i>
9	95072907	G	C	<i>NOL8</i>
9	95077470	T	A	<i>NOL8</i>
9	95077691	A	G	<i>NOL8</i>
9	95077969	G	A	<i>NOL8</i>
9	95080904	C	T	<i>NOL8</i>
9	95094559	C	T	<i>CENPP</i>
9	95142122	G	A	<i>CENPP</i>
9	95177598	T	C	<i>OMD</i>
9	95179071	G	A	<i>OMD</i>
9	95221948	-	T	<i>ASPN</i>
9	95263216	A	G	<i>ECM2</i>
9	95272297	C	T	<i>ECM2</i>

9	95272301	T	A	<i>ECM2</i>
9	95277001	CAGAGAGCACCC-		<i>ECM2</i>
9	95277059	C	T	<i>ECM2</i>
9	95277356	C	T	<i>ECM2</i>
9	95279986	G	A	<i>ECM2</i>
9	95284982	T	G	<i>ECM2</i>
9	95375333	A	G	<i>CENPP</i>
9	95378199	T	C	<i>IPPK</i>
9	95378332	G	C	<i>IPPK</i>
9	95396712	G	A	<i>IPPK</i>
9	95411761	G	A	<i>IPPK</i>
9	95414915	C	T	<i>IPPK</i>
9	95491490	T	C	<i>BICD2</i>
9	95608658	T	C	<i>ZNF484</i>
9	95609564	C	T	<i>ZNF484</i>
9	95610312	A	G	<i>ZNF484</i>
9	95738957	C	T	<i>FGD3</i>
9	95768448	G	A	<i>FGD3</i>
9	95797755	G	A	<i>FGD3</i>
9	95840256	A	G	<i>SUSD3</i>
9	95846925	C	A	<i>SUSD3</i>
9	95887320	G	T	<i>NINJ1</i>
9	96019311	C	A	<i>WNK2</i>
9	96021312	G	A	<i>WNK2</i>
9	96021375	C	A	<i>WNK2</i>
9	96021423	C	T	<i>WNK2</i>
9	96051100	C	T	<i>WNK2</i>
9	96070669	G	A	<i>WNK2</i>
9	96080699	C	T	<i>C9orf129</i>
9	96081433	C	T	<i>C9orf129</i>
9	96209943	T	C	<i>FAM120AOS</i>
9	96209957	T	C	<i>FAM120AOS</i>
9	96422528	G	A	<i>PHF2</i>
9	96436037	G	A	<i>PHF2</i>
9	96714579	G	A	<i>BARX1</i>
9	96846925	G	A	<i>PTPDC1</i>
9	96847544	C	T	<i>PTPDC1</i>
9	96860142	G	A	<i>PTPDC1</i>
9	97055310	C	T	<i>ZNF169</i>
9	97055327	G	A	<i>ZNF169</i>
9	97062295	C	T	<i>ZNF169</i>
9	97062852	A	T	<i>ZNF169</i>
9	97062981	C	T	<i>ZNF169</i>

9	97063628	G	C	ZNF169
9	97207424	G	C	MFSD14B
9	97329625	C	T	FBP2
9	97333824	C	T	FBP2
9	97349666	C	G	FBP2
9	97369149	C	T	FBP1
9	97912307	T	A	FANCC
9	98009786	C	T	FANCC
9	98011497	G	A	FANCC
9	98209490	G	A	PTCH1
9	98209591	T	C	PTCH1
9	98209594	G	A	PTCH1
9	98240378	C	T	PTCH1
9	98638288	A	G	ERCC6L2
9	98638306	C	T	ERCC6L2
9	98638328	C	A	ERCC6L2
9	98684662	G	T	ERCC6L2
9	98734269	C	G	ERCC6L2
9	98735226	A	G	ERCC6L2
9	98766902	C	A	ERCC6L2
9	98774922	A	C	ERCC6L2
9	98775235	T	C	ERCC6L2
9	98775459	G	A	ERCC6L2
9	99064254	G	A	HSD17B3
9	99064296	C	T	HSD17B3
9	99404115	T	C	AAED1
9	99404131	C	A	AAED1
9	99417000	C	T	AAED1
9	99521136	T	C	ZNF510
9	99521211	C	T	ZNF510
9	99522404	A	C	ZNF510
9	99522502	C	T	ZNF510
9	99525487	A	G	ZNF510
9	99580834	A	C	ZNF782
9	99580835	C	T	ZNF782
9	99581568	T	C	ZNF782
9	99581811	C	T	ZNF782
9	99581916	C	G	ZNF782
9	99581916	C	T	ZNF782
9	100075554	A	G	CCDC180
9	100080823	C	G	CCDC180
9	100105782	C	G	CCDC180
9	100116970	A	G	CCDC180

9	100122291	T	C	CCDC180
9	100124555	G	C	CCDC180
9	100128003	C	G	CCDC180
9	100128850	C	T	CCDC180
9	100133973	G	A	CCDC180
9	100194406	T	C	TDRD7
9	100245401	G	A	TDRD7
9	100286484	G	A	TMOD1
9	100364900	A	C	TSTD2
9	100372648	T	C	TSTD2
9	100388119	G	T	TSTD2
9	100388197	C	T	TSTD2
9	100409817	G	T	NCBP1
9	100418331	C	T	NCBP1
9	100672558	T	C	TRMO
9	100684757	A	G	TRMO
9	100819143	C	T	NANS
9	100823135	G	C	NANS
9	100839202	G	A	NANS
9	100854283	C	T	TRIM14
9	100889003	C	T	CORO2A
9	100897126	C	T	CORO2A
9	100919834	C	T	CORO2A
9	100962566	G	A	TBC1D2
9	100971128	G	A	TBC1D2
9	100973115	A	C	TBC1D2
9	100995758	G	T	TBC1D2
9	101006405	T	C	TBC1D2
9	101056122	T	C	GABBR2
9	101498853	A	G	ANKS6
9	101540510	T	C	ANKS6
9	101540607	C	T	ANKS6
9	101552584	G	A	ANKS6
9	101552590	C	T	ANKS6
9	101552716	C	T	ANKS6
9	101594103	G	A	GALNT12
9	101594229	G	A	GALNT12
9	101748234	G	A	COL15A1
9	101748356	A	G	COL15A1
9	101778265	G	T	COL15A1
9	101778272	A	C	COL15A1
9	101778346	C	G	COL15A1
9	101782725	G	T	COL15A1

9	101804366	T	C	COL15A1
9	101812154	G	A	COL15A1
9	101816909	A	G	COL15A1
9	101817602	G	A	COL15A1
9	101824569	C	G	COL15A1
9	101830877	G	A	COL15A1
9	101830911	A	G	COL15A1
9	101891253	A	T	TGFBR1
9	101894904	G	A	TGFBR1
9	101980367	A	G	ALG2
9	102590525	CAA	-	NR4A3
9	102625980	G	A	NR4A3
9	102677589	T	C	STX17
9	102713432	G	A	STX17
9	102778676	A	C	ERP44
9	103002451	C	T	INVS
9	103002466	A	G	INVS
9	103046765	G	C	INVS
9	103054941	G	A	INVS
9	103092357	T	C	TEX10
9	103235956	C	G	TMEFF1
9	103323753	A	T	MSANTD3
9	103348330	G	-	MURC
9	103348330	GAGAGAGGCT/-	-	MURC
9	103947810	T	G	PLPPR1
9	104125056	A	G	BAAT
9	104130469	C	G	BAAT
9	104133278	C	T	BAAT
9	104133628	C	T	BAAT
9	104153052	C	T	MRPL50
9	104171845	C	G	ZNF189
9	104171881	C	T	ZNF189
9	104188918	A	C	ALDOB
9	104189856	C	G	ALDOB
9	104313033	G	A	RNF20
9	104335586	T	A	GRIN3A
9	104335619	T	C	GRIN3A
9	104335682	C	T	GRIN3A
9	104335719	A	G	GRIN3A
9	104433048	T	C	GRIN3A
9	104433234	C	A	GRIN3A
9	104433235	C	T	GRIN3A
9	104433255	C	T	GRIN3A

9	104449098	C	T	<i>GRIN3A</i>
9	105767074	C	T	<i>CYLC2</i>
9	105767091	C	A	<i>CYLC2</i>
9	105767349	G	T	<i>CYLC2</i>
9	105767464	G	A	<i>CYLC2</i>
9	105767481	A	G	<i>CYLC2</i>
9	105767536	G	A	<i>CYLC2</i>
9	105767645	T	A	<i>CYLC2</i>
9	105767869	C	A	<i>CYLC2</i>
9	106860779	A	C	<i>SMC2</i>
9	106880515	G	T	<i>SMC2</i>
9	107266577	T	C	<i>OR13F1</i>
9	107266596	T	C	<i>OR13F1</i>
9	107266833	G	A	<i>OR13F1</i>
9	107266844	A	G	<i>OR13F1</i>
9	107266943	G	A	<i>OR13F1</i>
9	107267304	C	T	<i>OR13F1</i>
9	107267352	T	C	<i>OR13F1</i>
9	107288586	T	C	<i>OR13C4</i>
9	107288835	A	C	<i>OR13C4</i>
9	107288995	A	G	<i>OR13C4</i>
9	107289363	C	T	<i>OR13C4</i>
9	107298863	C	T	<i>OR13C3</i>
9	107299001	C	A	<i>OR13C3</i>
9	107331504	C	A	<i>OR13C8</i>
9	107360851	T	C	<i>OR13C5</i>
9	107360922	A	G	<i>OR13C5</i>
9	107361129	C	T	<i>OR13C5</i>
9	107379895	G	T	<i>OR13C9</i>
9	107456763	T	C	<i>OR13D1</i>
9	107457532	C	T	<i>OR13D1</i>
9	107515214	G	A	<i>NIPSNAP3A</i>
9	107515286	AA	-	<i>NIPSNAP3A</i>
9	107533232	C	A	<i>NIPSNAP3B</i>
9	107554263	C	T	<i>ABCA1</i>
9	107562804	T	C	<i>ABCA1</i>
9	107579632	C	G	<i>ABCA1</i>
9	107582258	T	C	<i>ABCA1</i>
9	107586753	T	C	<i>ABCA1</i>
9	107588033	C	T	<i>ABCA1</i>
9	107620867	C	T	<i>ABCA1</i>
9	107646756	G	A	<i>ABCA1</i>
9	108118569	A	G	<i>SLC44A1</i>

9	108136888	A	G	SLC44A1
9	108147763	T	G	SLC44A1
9	108230553	G	T	FSD1L
9	108234207	A	G	FSD1L
9	108234242	G	T	FSD1L
9	108234294	A	G	FSD1L
9	108366734	G	A	FKTN
9	108397456	A	G	FKTN
9	108397495	A	G	FKTN
9	108536233	C	T	TMEM38B
9	108536246	G	C	TMEM38B
9	108536284	G	A	TMEM38B
9	109687403	A	G	ZNF462
9	109687839	C	T	ZNF462
9	109691676	A	G	ZNF462
9	109773145	A	T	ZNF462
9	110084328	C	T	RAD23B
9	111625149	T	C	ACTL7A
9	111625336	C	T	ACTL7A
9	111625620	G	A	ACTL7A
9	111625629	C	G	ACTL7A
9	111651620	A	T	IKBKAP
9	111651621	C	G	IKBKAP
9	111656228	T	A	IKBKAP
9	111659277	G	T	IKBKAP
9	111659439	T	C	IKBKAP
9	111659483	T	G	IKBKAP
9	111660851	C	T	IKBKAP
9	111663930	C	T	IKBKAP
9	111678508	C	T	IKBKAP
9	111679940	T	C	IKBKAP
9	111696795	C	T	FAM206A
9	111701901	C	G	FAM206A
9	111727670	C	G	CTNNAL1
9	111853375	G	T	TMEM245
9	111945049	T	G	EPB41L4B
9	111954598	G	A	EPB41L4B
9	112219459	A	T	PTPN3
9	112219474	C	G	PTPN3
9	112705383	A	G	PALM2
9	112898576	C	T	PALM2
9	112898996	G	A	PALM2
9	112899715	C	A	PALM2

9	112900199	T	C	PALM2
9	112900341	-	GAAGCT	PALM2
9	112900466	C	T	PALM2
9	112969745	T	-	C9orf152
9	112969789	T	C	C9orf152
9	113013717	G	A	TXN
9	113091523	T	G	TXNDC8
9	113096570	C	T	TXNDC8
9	113132221	G	A	SVEP1
9	113148268	T	C	SVEP1
9	113163238	A	C	SVEP1
9	113163241	C	T	SVEP1
9	113166778	T	A	SVEP1
9	113166792	A	T	SVEP1
9	113168501	A	G	SVEP1
9	113169013	G	A	SVEP1
9	113169619	A	G	SVEP1
9	113169631	G	A	SVEP1
9	113169775	T	C	SVEP1
9	113169968	C	T	SVEP1
9	113170289	C	T	SVEP1
9	113170636	C	T	SVEP1
9	113170700	G	A	SVEP1
9	113173543	G	C	SVEP1
9	113192279	A	T	SVEP1
9	113192655	T	G	SVEP1
9	113196733	A	C	SVEP1
9	113208250	T	G	SVEP1
9	113209195	T	G	SVEP1
9	113212387	T	C	SVEP1
9	113212454	A	T	SVEP1
9	113212459	C	T	SVEP1
9	113221247	T	C	SVEP1
9	113234507	T	C	SVEP1
9	113243564	C	T	SVEP1
9	113243677	T	G	SVEP1
9	113244732	G	T	SVEP1
9	113251951	T	C	SVEP1
9	113252011	T	C	SVEP1
9	113259152	T	G	SVEP1
9	113275227	C	T	SVEP1
9	113276356	C	G	SVEP1
9	113312231	G	C	SVEP1

9	113449489	C	T	MUSK
9	113457722	T	C	MUSK
9	113457799	A	G	MUSK
9	113538122	G	A	MUSK
9	113562649	A	G	MUSK
9	114089882	C	T	OR2K2
9	114090401	G	A	OR2K2
9	114154073	C	A	KIAA0368
9	114173295	T	C	KIAA0368
9	114173305	G	A	KIAA0368
9	114174359	T	C	KIAA0368
9	114174415	T	C	KIAA0368
9	114184259	G	C	KIAA0368
9	114332369	A	G	PTGR1
9	114341122	G	A	PTGR1
9	114453925	G	T	C9orf84
9	114454544	T	C	C9orf84
9	114454580	A	G	C9orf84
9	114456228	C	T	C9orf84
9	114462322	A	G	C9orf84
9	114468966	A	C	C9orf84
9	114470138	C	T	C9orf84
9	114475404	T	G	C9orf84
9	114475440	T	C	C9orf84
9	114476748	T	A	C9orf84
9	114480562	A	G	C9orf84
9	114490308	T	C	C9orf84
9	114508557	G	A	C9orf84
9	114510473	G	C	C9orf84
9	114518688	G	A	C9orf84
9	114521086	C	T	C9orf84
9	114521516	T	C	C9orf84
9	114691901	T	C	UGCG
9	114804191	C	T	SUSD1
9	114825299	C	T	SUSD1
9	114904705	G	C	SUSD1
9	115167994	A	T	HSDL2
9	115216344	G	A	HSDL2
9	115598610	A	G	SNX30
9	115651982	C	G	SLC46A2
9	115652255	G	C	SLC46A2
9	115759519	G	A	ZNF883
9	115759539	G	C	ZNF883

9	115759599	G	A	ZNF883
9	115806006	A	G	ZFP37
9	115812140	G	T	ZFP37
9	115818949	A	T	ZFP37
9	115932012	G	T	FKBP15
9	115950114	C	T	FKBP15
9	115950156	G	A	FKBP15
9	115950706	A	C	FKBP15
9	115962242	A	G	FKBP15
9	116041249	A	G	PRPF4
9	116060043	G	A	RNF183
9	116060068	C	G	RNF183
9	116060124	T	C	RNF183
9	116060212	G	A	RNF183
9	116060221	C	T	RNF183
9	116080820	A	G	WDR31
9	116085389	T	C	WDR31
9	116085423	G	A	WDR31
9	116091203	A	C	WDR31
9	116130552	G	A	BSPRY
9	116131994	G	C	BSPRY
9	116132092	G	C	BSPRY
9	116132334	C	T	BSPRY
9	116153891	C	G	ALAD
9	116181419	A	G	C9orf43
9	116185655	G	A	C9orf43
9	116185703	T	C	C9orf43
9	116186544	A	G	C9orf43
9	116187302	C	G	C9orf43
9	116187960	A	G	C9orf43
9	116191187	C	T	C9orf43
9	116191205	A	C	C9orf43
9	116191244	G	A	C9orf43
9	116224374	G	T	RGS3
9	116226146	T	C	RGS3
9	116241775	G	C	RGS3
9	116346115	C	A	RGS3
9	116346118	G	A	RGS3
9	116356263	G	C	RGS3
9	116356430	G	T	RGS3
9	116356458	G	A	RGS3
9	116356516	A	G	RGS3
9	116831989	A	G	AMBP

9	116832007	T	C	AMBP
9	116854714	G	C	KIF12
9	116930100	G	A	COL27A1
9	116930194	A	G	COL27A1
9	116930728	C	T	COL27A1
9	116931099	G	A	COL27A1
9	116931445	T	C	COL27A1
9	116931490	G	A	COL27A1
9	116958266	G	A	COL27A1
9	117004489	C	T	COL27A1
9	117012903	G	A	COL27A1
9	117050998	G	A	COL27A1
9	117068924	G	A	COL27A1
9	117110112	T	C	AKNA
9	117122311	C	A	AKNA
9	117124045	G	A	AKNA
9	117124731	G	A	AKNA
9	117139110	C	T	AKNA
9	117139642	C	G	AKNA
9	117165528	C	T	DFNB31
9	117169033	A	G	DFNB31
9	117170241	G	C	DFNB31
9	117185766	G	A	DFNB31
9	117186712	C	T	DFNB31
9	117188566	C	T	DFNB31
9	117266853	T	A	DFNB31
9	117266891	G	T	DFNB31
9	117389267	T	C	C9orf91
9	117568199	T	C	TNFSF15
9	117803271	C	T	TNC
9	117808721	C	G	TNC
9	117808721	C	T	TNC
9	117808785	T	A	TNC
9	117826096	G	T	TNC
9	117846580	T	C	TNC
9	117846676	C	T	TNC
9	117848197	C	T	TNC
9	117848368	C	T	TNC
9	117848394	T	C	TNC
9	117848668	G	C	TNC
9	117849382	C	T	TNC
9	117849402	C	A	TNC
9	118163563	C	T	DEC1

9	118950110	C	A	PAPPA
9	118950362	G	A	PAPPA
9	119028233	A	C	PAPPA
9	119106881	C	A	PAPPA
9	119115167	G	A	PAPPA
9	119460579	G	C	TRIM32
9	119461243	C	T	TRIM32
9	119567935	C	T	ASTN2
9	119976883	A	T	ASTN2
9	120470884	A	G	TLR4
9	120474891	T	C	TLR4
9	120475248	G	A	TLR4
9	120475302	A	G	TLR4
9	120475602	C	T	TLR4
9	120476694	G	A	TLR4
9	120476817	G	A	TLR4
9	121929511	C	T	BRINP1
9	121929726	G	A	BRINP1
9	121930416	C	T	BRINP1
9	121971069	C	T	BRINP1
9	121971096	G	A	BRINP1
9	123170733	C	G	CDK5RAP2
9	123205912	C	G	CDK5RAP2
9	123205981	C	T	CDK5RAP2
9	123215872	G	C	CDK5RAP2
9	123239643	A	G	CDK5RAP2
9	123287277	G	A	CDK5RAP2
9	123291036	C	G	CDK5RAP2
9	123540764	T	C	FBXW2
9	123550466	T	C	FBXW2
9	123586913	T	G	PSMD5
9	123605126	T	C	PSMD5
9	123675895	A	G	TRAF1
9	123675899	G	A	TRAF1
9	123725926	T	G	C5
9	123737203	T	C	C5
9	123751971	G	A	C5
9	123769200	C	T	C5
9	123785738	G	T	C5
9	123787731	-	ACACACACA	C5
9	123787731	-	ACA	C5
9	123787731	-	ACACACA	C5
9	123787731	-	ACACA	C5

9	123792718	C	T	C5
9	123800218	C	T	C5
9	123850770	G	A	CNTRL
9	123860689	C	T	CNTRL
9	123875921	C	G	CNTRL
9	123880790	A	T	CNTRL
9	123902979	G	A	CNTRL
9	123908511	A	G	CNTRL
9	123911019	G	C	CNTRL
9	123917145	G	C	CNTRL
9	123932018	A	G	CNTRL
9	124072992	G	A	GSN
9	124083579	G	A	GSN
9	124083642	C	T	GSN
9	124088908	C	G	GSN
9	124089661	G	A	GSN
9	124089692	C	T	GSN
9	124091559	C	T	GSN
9	124103523	A	G	STOM
9	124526082	G	A	DAB2IP
9	124535253	G	A	DAB2IP
9	124794020	G	T	TLL11
9	124794099	C	T	TLL11
9	124914609	T	C	NDUFA8
9	124931957	G	T	MORN5
9	124931984	G	A	MORN5
9	124971946	G	T	LHX6
9	125143973	C	A	PTGS1
9	125152621	G	A	PTGS1
9	125239501	G	T	OR1J1
9	125239544	A	G	OR1J1
9	125281999	C	T	OR1J4
9	125288840	C	T	OR1N1
9	125289521	G	A	OR1N1
9	125315557	T	C	OR1N2
9	125316028	T	C	OR1N2
9	125316056	A	G	OR1N2
9	125316157	C	T	OR1N2
9	125316179	T	G	OR1N2
9	125316350	C	T	OR1N2
9	125316382	AG	-	OR1N2
9	125330240	T	G	OR1L8
9	125377087	A	G	OR1Q1

9	125377122	G	A	OR1Q1
9	125377448	G	T	OR1Q1
9	125377449	G	A	OR1Q1
9	125377505	A	G	OR1Q1
9	125377540	C	T	OR1Q1
9	125377734	A	G	OR1Q1
9	125391026	A	C	OR1B1
9	125391127	C	T	OR1B1
9	125391241	G	A	OR1B1
9	125391369	A	G	OR1B1
9	125391523	G	C	OR1B1
9	125391770	-	A	OR1B1
9	125424155	G	A	OR1L1
9	125437664	T	G	OR1L3
9	125438244	T	C	OR1L3
9	125486542	A	G	OR1L4
9	125486968	G	A	OR1L4
9	125512438	C	G	OR1L6
9	125512826	G	A	OR1L6
9	125512943	C	T	OR1L6
9	125551738	G	A	OR5C1
9	125551965	G	A	OR5C1
9	125562651	G	A	OR1K1
9	125895238	C	T	STRBP
9	126125318	C	A	CRB2
9	126125327	G	A	CRB2
9	126133160	C	T	CRB2
9	126133547	T	C	CRB2
9	126139182	CCT	-	CRB2
9	126139229	G	A	CRB2
9	126144759	G	A	DENND1A
9	126783426	C	A	LHX2
9	127064291	C	A	NEK6
9	127177161	A	G	PSMB7
9	127616537	A	G	WDR38
9	127618776	A	G	WDR38
9	127618839	C	G	WDR38
9	127642826	G	A	GOLGA1
9	127652727	C	G	GOLGA1
9	127661645	G	A	GOLGA1
9	127674200	A	C	GOLGA1
9	127684074	T	C	GOLGA1
9	127818276	C	T	SCAI

9	127975721	C	G	<i>RABEPK</i>
9	127982839	C	A	<i>RABEPK</i>
9	127982852	C	-	<i>RABEPK</i>
9	127994947	C	T	<i>RABEPK</i>
9	127995995	T	G	<i>RABEPK</i>
9	128064926	G	A	<i>GAPVD1</i>
9	128074787	G	A	<i>GAPVD1</i>
9	128086101	T	C	<i>GAPVD1</i>
9	128104528	A	C	<i>GAPVD1</i>
9	128321981	C	T	<i>MAPKAP1</i>
9	128678097	C	T	<i>PBX3</i>
9	129595402	G	A	<i>ZBTB43</i>
9	129854069	G	A	<i>ANGPTL2</i>
9	129937020	G	A	<i>RALGPS1</i>
9	130116658	C	G	<i>GARNL3</i>
9	130119549	G	A	<i>GARNL3</i>
9	130165973	T	C	<i>SLC2A8</i>
9	130166017	C	T	<i>SLC2A8</i>
9	130197414	A	G	<i>ZNF79</i>
9	130197442	G	A	<i>ZNF79</i>
9	130207072	G	A	<i>ZNF79</i>
9	130221297	G	A	<i>LRSAM1</i>
9	130242166	A	G	<i>LRSAM1</i>
9	130242179	A	G	<i>LRSAM1</i>
9	130263351	G	A	<i>LRSAM1</i>
9	130279255	G	A	<i>FAM129B</i>
9	130279279	T	C	<i>FAM129B</i>
9	130279411	G	A	<i>FAM129B</i>
9	130287412	C	T	<i>FAM129B</i>
9	130289585	C	T	<i>FAM129B</i>
9	130422312	G	A	<i>STXBP1</i>
9	130475442	A	C	<i>CFAP157</i>
9	130479981	G	A	<i>TTC16</i>
9	130488607	G	A	<i>TTC16</i>
9	130488631	G	C	<i>TTC16</i>
9	130489682	A	G	<i>TTC16</i>
9	130493488	A	G	<i>TTC16</i>
9	130494486	G	A	<i>TOR2A</i>
9	130494957	T	C	<i>TOR2A</i>
9	130495633	C	G	<i>TOR2A</i>
9	130504168	C	T	<i>SH2D3C</i>
9	130523904	T	C	<i>SH2D3C</i>
9	130536717	G	A	<i>SH2D3C</i>

9	130566678	C	T	<i>FPGS</i>
9	130575515	C	T	<i>FPGS</i>
9	130578230	G	A	<i>ENG</i>
9	130586621	C	G	<i>ENG</i>
9	130588091	C	T	<i>ENG</i>
9	130616621	G	A	<i>ENG</i>
9	130616628	G	A	<i>ENG</i>
9	130630749	C	G	<i>AK1</i>
9	130687392	G	A	<i>PIP5KL1</i>
9	130698029	G	C	<i>DPM2</i>
9	130707928	C	T	<i>FAM102A</i>
9	130868670	G	C	<i>SLC25A25</i>
9	130886050	C	G	<i>PTGES2</i>
9	130914562	C	G	<i>LCN2</i>
9	130938661	C	T	<i>CIZ1</i>
9	130939930	G	A	<i>CIZ1</i>
9	130941316	C	A	<i>CIZ1</i>
9	130943027	C	T	<i>CIZ1</i>
9	131022776	G	C	<i>GOLGA2</i>
9	131022784	T	C	<i>GOLGA2</i>
9	131023505	T	C	<i>GOLGA2</i>
9	131038611	A	G	<i>SWI5</i>
9	131076155	C	T	<i>TRUB2</i>
9	131083987	G	-	<i>TRUB2</i>
9	131083992	G	T	<i>TRUB2</i>
9	131085196	G	A	<i>COQ4</i>
9	131085373	G	C	<i>COQ4</i>
9	131088076	G	A	<i>COQ4</i>
9	131088115	G	T	<i>COQ4</i>
9	131094453	G	A	<i>COQ4</i>
9	131094512	G	C	<i>COQ4</i>
9	131107634	G	A	<i>SLC27A4</i>
9	131110892	G	A	<i>SLC27A4</i>
9	131115368	A	G	<i>SLC27A4</i>
9	131186753	G	A	<i>CERCAM</i>
9	131193551	G	C	<i>CERCAM</i>
9	131196429	C	T	<i>CERCAM</i>
9	131198006	C	T	<i>CERCAM</i>
9	131231577	G	A	<i>ODF2</i>
9	131233705	G	A	<i>ODF2</i>
9	131261359	G	A	<i>ODF2</i>
9	131262512	G	A	<i>ODF2</i>
9	131267089	C	G	<i>GLE1</i>

9	131285955	A	G	<i>GLE1</i>
9	131287573	G	A	<i>GLE1</i>
9	131341997	T	G	<i>SPTAN1</i>
9	131371241	A	G	<i>SPTAN1</i>
9	131396135	G	A	<i>WDR34</i>
9	131397116	C	T	<i>WDR34</i>
9	131398647	G	A	<i>WDR34</i>
9	131469190	C	A	<i>PKN3</i>
9	131477455	C	A	<i>PKN3</i>
9	131477497	C	T	<i>PKN3</i>
9	131483551	T	A	<i>ZDHHC12</i>
9	131484847	C	T	<i>ZDHHC12</i>
9	131565554	T	C	<i>TBC1D13</i>
9	131584729	G	T	<i>ENDOG</i>
9	131584732	C	T	<i>ENDOG</i>
9	131584881	AGTA	-	<i>ENDOG</i>
9	131585069	A	G	<i>C9orf114</i>
9	131591119	-	T	<i>C9orf114</i>
9	131591131	C	T	<i>C9orf114</i>
9	131600410	T	C	<i>CCBL1</i>
9	131671049	G	A	<i>LRRC8A</i>
9	131671142	G	A	<i>LRRC8A</i>
9	131700051	G	A	<i>PHYHD1</i>
9	131702891	A	G	<i>PHYHD1</i>
9	131708883	T	C	<i>DOLK</i>
9	131708952	G	A	<i>DOLK</i>
9	131709581	-	T	<i>DOLK</i>
9	131762021	G	T	<i>NUP188</i>
9	131763938	G	A	<i>NUP188</i>
9	131771551	G	A	<i>SH3GLB2</i>
9	131811693	G	T	<i>FAM73B</i>
9	131811694	C	T	<i>FAM73B</i>
9	131821484	C	T	<i>FAM73B</i>
9	131860901	G	T	<i>CRAT</i>
9	131862903	T	C	<i>CRAT</i>
9	131862957	G	A	<i>CRAT</i>
9	131866493	G	C	<i>CRAT</i>
9	131866548	T	C	<i>CRAT</i>
9	132374678	T	C	<i>C9orf50</i>
9	132374704	C	A	<i>C9orf50</i>
9	132375432	C	T	<i>C9orf50</i>
9	132381848	G	A	<i>C9orf50</i>
9	132401752	C	T	<i>ASB6</i>

9	132566551	T	G	TOR1B
9	132576427	T	C	TOR1A
9	132580901	C	G	TOR1A
9	132630665	GAC	-	USP20
9	132630666	AC	-	USP20
9	132631642	G	A	USP20
9	132636945	G	A	USP20
9	132636979	C	T	USP20
9	132662786	C	T	FNBP1
9	132671178	A	G	FNBP1
9	132848699	G	C	GPR107
9	132861783	C	T	GPR107
9	133506083	C	T	FUBP3
9	133569200	C	G	EXOSC2
9	133738340	A	G	ABL1
9	133759793	G	A	ABL1
9	133760106	C	T	ABL1
9	133760592	C	T	ABL1
9	133768966	C	T	QRFP
9	133768987	T	C	QRFP
9	133787218	G	C	FIBCD1
9	133884820	T	G	LAMC3
9	133901752	C	T	LAMC3
9	133901819	C	A	LAMC3
9	133914340	C	T	LAMC3
9	133924451	C	T	LAMC3
9	133927878	A	G	LAMC3
9	133948176	C	T	LAMC3
9	133948184	G	A	LAMC3
9	133952618	T	C	LAMC3
9	133961026	G	C	LAMC3
9	133962930	C	T	LAMC3
9	133967007	T	G	LAMC3
9	133989973	T	C	AIF1L
9	133995629	A	G	AIF1L
9	133995634	T	C	AIF1L
9	133995669	T	C	AIF1L
9	134020086	A	G	NUP214
9	134020092	C	T	NUP214
9	134027138	A	G	NUP214
9	134074288	G	A	NUP214
9	134136409	C	T	FAM78A
9	134165718	A	G	PLPP7

9	134321941	G	A	<i>PRRC2B</i>
9	134321955	G	A	<i>PRRC2B</i>
9	134334588	A	G	<i>PRRC2B</i>
9	134350323	C	G	<i>PRRC2B</i>
9	134350458	C	T	<i>PRRC2B</i>
9	134350647	T	C	<i>PRRC2B</i>
9	134351343	C	T	<i>PRRC2B</i>
9	134351730	T	G	<i>PRRC2B</i>
9	134357164	C	T	<i>PRRC2B</i>
9	134361546	C	A	<i>PRRC2B</i>
9	134385435	C	T	<i>POMT1</i>
9	134385436	A	G	<i>POMT1</i>
9	134386781	G	A	<i>POMT1</i>
9	134390870	C	A	<i>POMT1</i>
9	134394788	G	A	<i>POMT1</i>
9	134394834	C	G	<i>POMT1</i>
9	134397464	C	T	<i>POMT1</i>
9	134398452	C	T	<i>POMT1</i>
9	134501651	G	A	<i>RAPGEF1</i>
9	134505677	C	T	<i>RAPGEF1</i>
9	135042352	G	A	<i>NTNG2</i>
9	135139826	T	C	<i>SETX</i>
9	135140020	A	G	<i>SETX</i>
9	135171367	G	C	<i>SETX</i>
9	135173685	T	C	<i>SETX</i>
9	135202325	A	C	<i>SETX</i>
9	135203409	A	C	<i>SETX</i>
9	135203530	A	C	<i>SETX</i>
9	135203756	C	T	<i>SETX</i>
9	135204010	T	C	<i>SETX</i>
9	135205006	G	C	<i>SETX</i>
9	135218103	A	C	<i>SETX</i>
9	135251366	G	A	<i>TTF1</i>
9	135266182	C	T	<i>TTF1</i>
9	135277007	C	T	<i>TTF1</i>
9	135277130	C	A	<i>TTF1</i>
9	135277136	G	A	<i>TTF1</i>
9	135277301	A	G	<i>TTF1</i>
9	135277341	C	A	<i>TTF1</i>
9	135374161	T	C	<i>CFAP77</i>
9	135374806	G	A	<i>CFAP77</i>
9	135374906	G	A	<i>CFAP77</i>
9	135413085	A	C	<i>CFAP77</i>

9	135418393	G	A	<i>CFAP77</i>
9	135470414	T	C	<i>DDX31</i>
9	135493810	G	A	<i>DDX31</i>
9	135522272	T	C	<i>DDX31</i>
9	135538016	C	T	<i>DDX31</i>
9	135538017	G	T	<i>DDX31</i>
9	135553706	G	A	<i>GTF3C4</i>
9	135553973	C	T	<i>GTF3C4</i>
9	135554520	A	G	<i>GTF3C4</i>
9	135668127	G	A	<i>AK8</i>
9	135668160	G	A	<i>AK8</i>
9	135730257	T	C	<i>AK8</i>
9	135786451	G	T	<i>TSC1</i>
9	135786904	A	G	<i>TSC1</i>
9	135863638	C	T	<i>GFI1B</i>
9	135919225	C	A	<i>GTF3C5</i>
9	135941932	G	A	<i>CEL</i>
9	135977366	T	G	<i>RALGDS</i>
9	135977399	C	T	<i>RALGDS</i>
9	135977479	G	C	<i>RALGDS</i>
9	135979686	C	A	<i>RALGDS</i>
9	135984173	T	C	<i>RALGDS</i>
9	136029138	G	A	<i>GBGT1</i>
9	136029336	C	T	<i>GBGT1</i>
9	136029416	C	G	<i>GBGT1</i>
9	136029520	C	T	<i>GBGT1</i>
9	136031315	T	C	<i>GBGT1</i>
9	136037742	G	A	<i>GBGT1</i>
9	136198859	G	A	<i>SURF6</i>
9	136198932	G	C	<i>SURF6</i>
9	136199466	G	A	<i>SURF6</i>
9	136199503	G	A	<i>SURF6</i>
9	136208483	C	T	<i>MED22</i>
9	136217563	G	A	<i>RPL7A</i>
9	136221752	G	C	<i>SURF1</i>
9	136227213	A	G	<i>SURF2</i>
9	136228007	C	T	<i>SURF2</i>
9	136268084	A	G	<i>STKLD1</i>
9	136268952	G	T	<i>STKLD1</i>
9	136269143	G	A	<i>STKLD1</i>
9	136272149	CTT	-	<i>REXO4</i>
9	136272163	C	T	<i>REXO4</i>
9	136277482	T	C	<i>REXO4</i>

9	136279935	C	T	REXO4
9	136287582	C	T	ADAMTS13
9	136301982	C	G	ADAMTS13
9	136302010	C	T	ADAMTS13
9	136302063	C	T	ADAMTS13
9	136305530	C	G	ADAMTS13
9	136307825	C	T	ADAMTS13
9	136310908	C	T	ADAMTS13
9	136314986	G	A	ADAMTS13
9	136319589	G	A	ADAMTS13
9	136328657	T	G	CACFD1
9	136337168	G	A	SLC2A6
9	136338603	G	A	SLC2A6
9	136340625	C	T	SLC2A6
9	136344142	C	G	SLC2A6
9	136384124	G	T	TMEM8C
9	136401892	G	A	ADAMTSL2
9	136501569	G	A	DBH
9	136501728	C	T	DBH
9	136507444	A	G	DBH
9	136507473	G	A	DBH
9	136507474	C	T	DBH
9	136508658	G	A	DBH
9	136509370	G	T	DBH
9	136513028	C	T	DBH
9	136521654	G	A	DBH
9	136522272	A	G	DBH
9	136522274	C	T	DBH
9	136559460	C	T	SARDH
9	136573437	C	T	SARDH
9	136582482	C	A	SARDH
9	136596551	G	A	SARDH
9	136597592	T	C	SARDH
9	136633699	G	C	VAV2
9	136641177	C	T	VAV2
9	136643994	T	C	VAV2
9	136899924	T	C	BRD3
9	136906986	T	G	BRD3
9	137293514	C	T	RXRA
9	137309155	G	A	RXRA
9	137582841	C	T	COL5A1
9	137591755	C	T	COL5A1
9	137591818	C	A	COL5A1

9	137591855	G	T	COL5A1
9	137593039	G	T	COL5A1
9	137593099	G	A	COL5A1
9	137642654	G	A	COL5A1
9	137688701	A	G	COL5A1
9	137708884	C	T	COL5A1
9	137726950	C	T	COL5A1
9	137779091	G	T	FCN2
9	137779251	G	A	FCN2
9	137801759	T	C	FCN1
9	137801823	A	G	FCN1
9	137803060	C	T	FCN1
9	138235251	C	G	C9orf62
9	138377738	C	T	PPP1R26
9	138379894	G	A	PPP1R26
9	138392889	C	A	MRPS2
9	138395624	C	T	MRPS2
9	138439086	T	A	OBP2A
9	138439792	G	A	OBP2A
9	138439806	C	T	OBP2A
9	138439809	T	C	OBP2A
9	138440589	G	A	OBP2A
9	138440624	G	C	OBP2A
9	138440624	G	A	OBP2A
9	138457640	G	A	PAEP
9	138516119	G	A	GLT6D1
9	138516128	C	T	GLT6D1
9	138516188	C	T	GLT6D1
9	138516190	T	C	GLT6D1
9	138516347	A	-	GLT6D1
9	138516452	G	A	GLT6D1
9	138555237	A	G	LCN9
9	138586263	G	T	SOHLH1
9	138587103	G	C	SOHLH1
9	138589442	G	A	SOHLH1
9	138589474	C	T	SOHLH1
9	138590928	C	T	SOHLH1
9	138670290	A	G	KCNT1
9	138678104	G	T	KCNT1
9	138678160	C	T	KCNT1
9	138683940	G	A	KCNT1
9	138683984	A	G	KCNT1
9	138714802	G	A	CAMSAP1

9	138742034	T	A	CAMSAP1
9	138754415	G	A	CAMSAP1
9	138774738	C	T	CAMSAP1
9	138830120	G	C	UBAC1
9	138836942	CCT	-	UBAC1
9	138838178	C	T	UBAC1
9	138847255	G	A	UBAC1
9	138903733	T	C	NACC2
9	139008614	T	C	C9orf69
9	139110556	G	A	QSOX2
9	139110993	G	A	QSOX2
9	139118673	T	C	QSOX2
9	139235370	C	T	GPSM1
9	139235415	C	T	GPSM1
9	139235482	C	-	GPSM1
9	139235606	G	C	GPSM1
9	139256513	G	A	DNLZ
9	139256541	C	T	DNLZ
9	139256577	C	T	DNLZ
9	139257508	G	A	DNLZ
9	139259592	C	G	CARD9
9	139262205	C	G	CARD9
9	139264888	T	A	CARD9
9	139266496	C	T	CARD9
9	139270876	G	A	SNAPC4
9	139273290	C	T	SNAPC4
9	139273339	T	G	SNAPC4
9	139275294	G	C	SNAPC4
9	139276407	C	T	SNAPC4
9	139292751	C	T	SNAPC4
9	139292762	T	C	SNAPC4
9	139299637	C	T	SDCCAG3
9	139301708	A	T	SDCCAG3
9	139302312	G	C	SDCCAG3
9	139309031	C	T	PMPCA
9	139309043	G	T	PMPCA
9	139324801	G	C	INPP5E
9	139333269	G	C	INPP5E
9	139333403	C	A	INPP5E
9	139360719	G	T	SEC16A
9	139368883	A	G	SEC16A
9	139368953	G	A	SEC16A
9	139369066	G	A	SEC16A

9	139369079	T	C	SEC16A
9	139369091	C	T	SEC16A
9	139369408	C	T	SEC16A
9	139369816	G	C	SEC16A
9	139369825	T	G	SEC16A
9	139370549	C	T	SEC16A
9	139370955	AGCTCCTGA	-	SEC16A
9	139371031	C	T	SEC16A
9	139371049	C	T	SEC16A
9	139371562	G	A	SEC16A
9	139391338	C	T	NOTCH1
9	139401233	C	T	NOTCH1
9	139405111	G	A	NOTCH1
9	139405649	C	T	NOTCH1
9	139409089	C	T	NOTCH1
9	139409976	C	T	NOTCH1
9	139418204	G	A	NOTCH1
9	139418261	T	C	NOTCH1
9	139564387	G	A	EGFL7
9	139564668	G	A	EGFL7
9	139566509	G	C	EGFL7
9	139571430	G	A	AGPAT2
9	139634495	G	A	LCN10
9	139639715	G	T	LCN6
9	139642896	A	G	LCN6
9	139642898	A	G	LCN6
9	139656670	T	C	LCN15
9	139656706	A	C	LCN15
9	139693596	T	C	CCDC183
9	139694177	A	T	CCDC183
9	139694454	-	AAGA	CCDC183
9	139694455	T	A	CCDC183
9	139694457	G	C	CCDC183
9	139697135	T	C	CCDC183
9	139699012	G	A	CCDC183
9	139701301	G	T	CCDC183
9	139702095	C	T	CCDC183
9	139728202	T	G	RABL6
9	139731827	G	A	RABL6
9	139733496	G	C	RABL6
9	139733747	G	A	RABL6
9	139734624	C	T	RABL6
9	139734633	AGA	-	RABL6

9	139734792	AAG	-	<i>RABL6</i>
9	139734856	G	A	<i>RABL6</i>
9	139740010	T	C	<i>C9orf172</i>
9	139743999	G	C	<i>PHPT1</i>
9	139747787	G	A	<i>MAMDC4</i>
9	139747809	G	A	<i>MAMDC4</i>
9	139748005	A	G	<i>MAMDC4</i>
9	139748277	CCCTGTGGCAC-		<i>MAMDC4</i>
9	139748483	G	A	<i>MAMDC4</i>
9	139749229	C	T	<i>MAMDC4</i>
9	139749554	C	T	<i>MAMDC4</i>
9	139749730	C	T	<i>MAMDC4</i>
9	139749788	C	T	<i>MAMDC4</i>
9	139750072	G	A	<i>MAMDC4</i>
9	139751164	G	A	<i>MAMDC4</i>
9	139752023	A	T	<i>MAMDC4</i>
9	139752123	T	G	<i>MAMDC4</i>
9	139754427	C	T	<i>MAMDC4</i>
9	139802567	G	A	<i>TRAF2</i>
9	139835558	C	T	<i>FBXW5</i>
9	139835740	A	T	<i>FBXW5</i>
9	139835788	G	A	<i>FBXW5</i>
9	139835802	A	G	<i>FBXW5</i>
9	139836884	C	T	<i>FBXW5</i>
9	139837049	T	C	<i>FBXW5</i>
9	139837138	G	A	<i>FBXW5</i>
9	139837236	C	T	<i>FBXW5</i>
9	139838414	C	T	<i>FBXW5</i>
9	139840543	A	G	<i>C8G</i>
9	139840560	C	A	<i>C8G</i>
9	139841132	G	A	<i>C8G</i>
9	139848309	C	T	<i>LCN12</i>
9	139848327	G	A	<i>LCN12</i>
9	139848341	G	A	<i>LCN12</i>
9	139849843	G	A	<i>LCN12</i>
9	139887803	G	C	<i>C9orf142</i>
9	139889162	C	A	<i>CLIC3</i>
9	139906990	C	T	<i>ABCA2</i>
9	139913239	T	G	<i>ABCA2</i>
9	139914819	G	A	<i>ABCA2</i>
9	139915218	G	T	<i>ABCA2</i>
9	139916879	C	T	<i>ABCA2</i>
9	139925205	C	T	<i>FUT7</i>

9	139925383	C	T	<i>FUT7</i>
9	139925490	C	T	<i>FUT7</i>
9	139925926	C	T	<i>FUT7</i>
9	139925983	G	A	<i>FUT7</i>
9	139927565	C	T	<i>C9orf139</i>
9	139929435	A	G	<i>C9orf139</i>
9	139934298	G	A	<i>NPDC1</i>
9	139934887	G	A	<i>NPDC1</i>
9	139945677	C	T	<i>ENTPD2</i>
9	139973820	C	T	<i>UAP1L1</i>
9	139974533	C	T	<i>UAP1L1</i>
9	139981477	G	C	<i>MAN1B1</i>
9	139992294	T	G	<i>MAN1B1</i>
9	140005383	G	A	<i>DPP7</i>
9	140006378	G	A	<i>DPP7</i>
9	140006432	A	G	<i>DPP7</i>
9	140069828	C	T	<i>ANAPC2</i>
9	140082971	A	G	<i>ANAPC2</i>
9	140086761	C	T	<i>TPRN</i>
9	140087121	T	C	<i>TPRN</i>
9	140094070	T	C	<i>TPRN</i>
9	140108261	G	A	<i>NDOR1</i>
9	140109403	T	C	<i>NDOR1</i>
9	140110555	G	A	<i>NDOR1</i>
9	140110727	C	T	<i>NDOR1</i>
9	140110746	G	T	<i>NDOR1</i>
9	140110748	C	T	<i>NDOR1</i>
9	140110749	G	A	<i>NDOR1</i>
9	140119680	C	G	<i>CYSRT1</i>
9	140120111	C	T	<i>CYSRT1</i>
9	140120188	T	A	<i>CYSRT1</i>
9	140120396	C	T	<i>CYSRT1</i>
9	140127546	G	C	<i>SLC34A3</i>
9	140127809	G	A	<i>SLC34A3</i>
9	140128107	G	A	<i>SLC34A3</i>
9	140128118	G	A	<i>SLC34A3</i>
9	140128644	G	A	<i>SLC34A3</i>
9	140130522	G	A	<i>SLC34A3</i>
9	140130606	A	T	<i>SLC34A3</i>
9	140130653	A	T	<i>SLC34A3</i>
9	140130795	G	T	<i>SLC34A3</i>
9	140138671	T	C	<i>FAM166A</i>
9	140138736	AG	-	<i>FAM166A</i>

9	140139113	T	C	FAM166A
9	140139666	T	C	FAM166A
9	140139794	C	T	FAM166A
9	140140111	G	A	FAM166A
9	140140117	G	A	FAM166A
9	140147273	C	T	C9orf173
9	140201433	G	A	EXD3
9	140201494	G	A	EXD3
9	140201604	C	T	EXD3
9	140218212	G	A	EXD3
9	140242564	G	A	EXD3
9	140243678	G	A	EXD3
9	140243844	C	T	EXD3
9	140243880	G	A	EXD3
9	140245853	G	A	EXD3
9	140246606	C	T	EXD3
9	140247103	C	T	EXD3
9	140247143	T	G	EXD3
9	140247229	C	T	EXD3
9	140248802	C	T	EXD3
9	140250749	C	T	EXD3
9	140250750	G	A	EXD3
9	140250818	C	T	EXD3
9	140262426	C	T	EXD3
9	140277794	T	C	EXD3
9	140277826	C	T	EXD3
9	140322570	C	T	NOXA1
9	140323785	C	T	NOXA1
9	140327663	C	T	NOXA1
9	140327669	-	G	NOXA1
9	140328429	C	G	NOXA1
9	140328430	G	A	NOXA1
9	140328747	G	C	NOXA1
9	140328793	A	G	NOXA1
9	140331381	C	-	ENTPD8
9	140331755	C	G	ENTPD8
9	140332478	A	G	ENTPD8
9	140349509	T	C	NSMF
9	140356449	-	C	PNPLA7
9	140357972	A	G	PNPLA7
9	140358896	A	T	PNPLA7
9	140373575	C	G	PNPLA7
9	140374861	A	G	PNPLA7

9	140400464	C	T	<i>PNPLA7</i>
9	140409842	G	A	<i>PNPLA7</i>
9	140414410	C	T	<i>PNPLA7</i>
9	140477032	T	C	<i>ZMYND19</i>
9	140508600	G	C	<i>ARRDC1</i>
9	140509075	A	C	<i>ARRDC1</i>
9	140509096	G	A	<i>ARRDC1</i>
9	140509209	G	A	<i>ARRDC1</i>
9	140509243	A	G	<i>ARRDC1</i>
9	140611243	G	A	<i>EHMT1</i>
9	140622895	G	A	<i>EHMT1</i>
9	140638534	G	A	<i>EHMT1</i>
9	140772549	-	CATGGCGCTG	<i>CACNA1B</i>
9	140772613	C	G	<i>CACNA1B</i>
9	140918171	GGAGAAGGAG	-	<i>CACNA1B</i>
9	140918181	A	G	<i>CACNA1B</i>
9	140918181	ACCACGGAGA	-	<i>CACNA1B</i>
9	141016155	G	C	<i>CACNA1B</i>
9	141016262	T	G	<i>CACNA1B</i>
9	141016320	G	A	<i>CACNA1B</i>
10	1043174	A	G	<i>GTPBP4</i>
10	1046705	G	A	<i>GTPBP4</i>
10	1054898	G	A	<i>GTPBP4</i>
10	1060218	G	A	<i>GTPBP4</i>
10	1061765	C	G	<i>GTPBP4</i>
10	1063038	G	C	<i>GTPBP4</i>
10	1065457	T	A	<i>IDI2</i>
10	1065710	C	T	<i>IDI2</i>
10	1066787	G	-	<i>IDI2</i>
10	1123920	A	G	<i>WDR37</i>
10	1284303	C	T	<i>ADARB2</i>
10	1421326	C	T	<i>ADARB2</i>
10	3162130	A	G	<i>PFKP</i>
10	3178017	C	A	<i>PFKP</i>
10	3180227	T	C	<i>PITRM1</i>
10	3180288	C	T	<i>PITRM1</i>
10	3180461	C	G	<i>PITRM1</i>
10	3181107	G	A	<i>PITRM1</i>
10	3181126	C	T	<i>PITRM1</i>
10	3181157	G	C	<i>PITRM1</i>
10	3183003	G	A	<i>PITRM1</i>
10	3189442	C	A	<i>PITRM1</i>
10	3197856	C	G	<i>PITRM1</i>

10	3200292	G	A	PITRM1
10	3202065	T	C	PITRM1
10	3207632	A	G	PITRM1
10	3824013	G	A	KLF6
10	4872930	G	A	AKR1E2
10	4875591	A	G	AKR1E2
10	4879748	T	G	AKR1E2
10	4889403	C	T	AKR1E2
10	5043821	A	T	AKR1C2
10	5136651	C	G	AKR1C3
10	5260682	C	G	AKR1C4
10	5415954	A	G	UCN3
10	5436073	G	A	TUBAL3
10	5436097	C	T	TUBAL3
10	5494334	G	A	NET1
10	5541181	T	C	CALML5
10	5541230	T	C	CALML5
10	5541277	T	C	CALML5
10	5691034	A	C	ASB13
10	5772536	A	C	FAM208B
10	5772920	A	T	FAM208B
10	5773034	A	G	FAM208B
10	5781628	T	G	FAM208B
10	5781800	A	T	FAM208B
10	5781802	C	A	FAM208B
10	5782022	C	A	FAM208B
10	5782310	G	A	FAM208B
10	5784151	A	G	FAM208B
10	5788373	G	A	FAM208B
10	5788608	G	C	FAM208B
10	5789418	T	G	FAM208B
10	5789867	C	T	FAM208B
10	5789967	CTGCCTCAG	-	FAM208B
10	5790420	T	C	FAM208B
10	5791052	G	A	FAM208B
10	5791578	G	T	FAM208B
10	5791895	G	A	FAM208B
10	5799613	A	G	FAM208B
10	5803368	A	G	FAM208B
10	5804531	G	A	FAM208B
10	5920121	T	C	ANKRD16
10	5929962	G	C	ANKRD16
10	5937094	A	G	FBXO18

10	6002368	T	G	IL15RA
10	6005756	G	A	IL15RA
10	6066302	G	A	IL2RA
10	6265956	G	A	PFKFB3
10	6268177	C	T	PFKFB3
10	6525521	C	T	PRKCQ
10	6527143	G	A	PRKCQ
10	7214505	C	A	SFMBT2
10	7214584	G	C	SFMBT2
10	7242441	G	A	SFMBT2
10	7290605	C	T	SFMBT2
10	7605067	C	T	ITIH5
10	7605078	C	-	ITIH5
10	7605101	A	G	ITIH5
10	7605243	C	T	ITIH5
10	7611678	C	G	ITIH5
10	7618556	C	T	ITIH5
10	7621875	T	G	ITIH5
10	7621895	G	A	ITIH5
10	7749183	C	T	ITIH2
10	7759650	G	A	ITIH2
10	7763661	A	G	ITIH2
10	7769045	-	C	ITIH2
10	7769666	G	A	ITIH2
10	7772035	A	G	ITIH2
10	7774358	C	G	ITIH2
10	7780646	C	G	ITIH2
10	8005988	A	G	TAF3
10	8006266	A	G	TAF3
10	8006519	G	C	TAF3
10	8006798	A	G	TAF3
10	8007559	G	C	TAF3
10	8007560	T	C	TAF3
10	11330462	A	G	CELF2
10	11505743	G	A	USP6NL
10	11543119	T	C	USP6NL
10	11789382	G	A	ECHDC3
10	11797500	G	A	ECHDC3
10	11894195	G	A	PROSER2
10	11911704	G	A	PROSER2
10	11990430	CTT	-	UPF2
10	12043768	C	G	UPF2
10	12046546	T	C	UPF2

10	12123525	C	G	<i>DHTKD1</i>
10	12129639	G	T	<i>DHTKD1</i>
10	12131081	T	G	<i>DHTKD1</i>
10	12133603	T	C	<i>DHTKD1</i>
10	12143105	C	G	<i>DHTKD1</i>
10	12149981	C	A	<i>DHTKD1</i>
10	13152400	T	A	<i>OPTN</i>
10	13166076	A	G	<i>OPTN</i>
10	13214427	A	G	<i>MCM10</i>
10	13234356	A	T	<i>MCM10</i>
10	13239651	A	G	<i>MCM10</i>
10	13240791	C	A	<i>MCM10</i>
10	13264107	G	C	<i>UCMA</i>
10	13275764	A	G	<i>UCMA</i>
10	13320305	-	GAT	<i>PHYH</i>
10	13325784	C	T	<i>PHYH</i>
10	13330437	G	C	<i>PHYH</i>
10	13336486	G	A	<i>PHYH</i>
10	13340236	G	A	<i>PHYH</i>
10	13541789	G	A	<i>BEND7</i>
10	13642257	A	G	<i>PRPF18</i>
10	13653615	G	A	<i>PRPF18</i>
10	14816378	G	C	<i>FAM107B</i>
10	14816448	G	A	<i>FAM107B</i>
10	14862082	C	G	<i>CDNF</i>
10	14890829	C	A	<i>HSPA14</i>
10	14976727	G	C	<i>DCLRE1C</i>
10	14977469	C	T	<i>DCLRE1C</i>
10	14987181	C	A	<i>DCLRE1C</i>
10	15008493	A	C	<i>MEIG1</i>
10	15103848	T	C	<i>OLAH</i>
10	15113876	G	C	<i>OLAH</i>
10	15138615	C	T	<i>C10orf111</i>
10	15138676	T	C	<i>C10orf111</i>
10	15145569	A	G	<i>RPP38</i>
10	15145855	C	G	<i>RPP38</i>
10	15145948	T	C	<i>RPP38</i>
10	15146020	T	C	<i>RPP38</i>
10	15146061	C	G	<i>RPP38</i>
10	15255056	G	A	<i>FAM171A1</i>
10	15256169	T	C	<i>FAM171A1</i>
10	15256194	G	A	<i>FAM171A1</i>
10	15256440	C	T	<i>FAM171A1</i>

10	15296800	G	T	<i>FAM171A1</i>
10	15573050	A	G	<i>ITGA8</i>
10	15617521	C	A	<i>ITGA8</i>
10	15649698	T	G	<i>ITGA8</i>
10	15649710	G	A	<i>ITGA8</i>
10	15655678	A	G	<i>ITGA8</i>
10	15686092	C	T	<i>ITGA8</i>
10	16528528	C	T	<i>PTER</i>
10	16870912	G	T	<i>CUBN</i>
10	16877080	G	C	<i>CUBN</i>
10	16877110	G	A	<i>CUBN</i>
10	16911749	C	T	<i>CUBN</i>
10	16918997	T	C	<i>CUBN</i>
10	16932490	G	T	<i>CUBN</i>
10	16942635	G	A	<i>CUBN</i>
10	16957036	A	G	<i>CUBN</i>
10	16967401	C	T	<i>CUBN</i>
10	16979714	T	C	<i>CUBN</i>
10	17087074	C	T	<i>CUBN</i>
10	17087074	C	A	<i>CUBN</i>
10	17110639	T	C	<i>CUBN</i>
10	17113456	C	T	<i>CUBN</i>
10	17126383	G	A	<i>CUBN</i>
10	17147521	G	T	<i>CUBN</i>
10	17156151	A	G	<i>CUBN</i>
10	17171176	C	T	<i>CUBN</i>
10	17204187	G	A	<i>TRDMT1</i>
10	17204222	C	T	<i>TRDMT1</i>
10	17365146	G	A	<i>ST8SIA6</i>
10	17636309	G	A	<i>HACD1</i>
10	18242309	G	C	<i>SLC39A12</i>
10	18242311	A	G	<i>SLC39A12</i>
10	18254595	C	T	<i>SLC39A12</i>
10	18266967	A	T	<i>SLC39A12</i>
10	18266989	G	A	<i>SLC39A12</i>
10	18270341	A	G	<i>SLC39A12</i>
10	18439900	G	A	<i>CACNB2</i>
10	18795447	G	C	<i>CACNB2</i>
10	18803444	G	T	<i>CACNB2</i>
10	18828181	C	T	<i>CACNB2</i>
10	18828635	T	G	<i>CACNB2</i>
10	18931433	C	T	<i>NSUN6</i>
10	19493309	G	A	<i>MALRD1</i>

10	19493993	G	C	MALRD1
10	19569100	G	T	MALRD1
10	19612946	T	C	MALRD1
10	19613020	G	A	MALRD1
10	19676553	A	G	MALRD1
10	19676561	G	A	MALRD1
10	19678449	A	G	MALRD1
10	19780463	C	A	MALRD1
10	19780551	A	G	MALRD1
10	19780553	A	G	MALRD1
10	19820222	T	C	MALRD1
10	19820255	A	T	MALRD1
10	19884264	G	A	MALRD1
10	20357145	G	A	PLXDC2
10	20506418	G	A	PLXDC2
10	20534333	A	G	PLXDC2
10	21097546	G	A	NEBL
10	21112137	A	T	NEBL
10	21134282	C	G	NEBL
10	21139389	T	C	NEBL
10	21157621	G	T	NEBL
10	21157673	C	T	NEBL
10	21177128	G	C	NEBL
10	21178852	C	G	NEBL
10	21414764	C	T	C10orf113
10	21414892	C	G	C10orf113
10	21415006	T	C	C10orf113
10	21415036	G	A	C10orf113
10	21435317	A	G	C10orf113
10	21435341	CACT	-	C10orf113
10	21784720	C	T	CASC10
10	21804386	C	T	SKIDA1
10	22019855	G	A	MLLT10
10	22605398	C	G	COMMD3
10	22678149	T	A	SPAG6
10	22839628	T	C	PIP4K2A
10	23250826	G	A	ARMC3
10	23287196	G	A	ARMC3
10	23295903	T	C	ARMC3
10	23297252	G	A	ARMC3
10	23319653	T	C	ARMC3
10	23326273	G	A	ARMC3
10	23393091	A	G	MSRB2

10	23393150	A	G	MSRB2
10	23408243	A	C	MSRB2
10	23633567	C	G	C10orf67
10	23633660	A	G	C10orf67
10	23729362	A	T	OTUD1
10	24498169	C	T	KIAA1217
10	24508620	C	T	KIAA1217
10	24669877	C	G	KIAA1217
10	24762833	G	A	KIAA1217
10	24762892	G	A	KIAA1217
10	24783521	A	G	KIAA1217
10	24790395	C	T	KIAA1217
10	24813454	G	A	KIAA1217
10	24816911	A	G	KIAA1217
10	24822125	GAA	-	KIAA1217
10	24908528	C	T	ARHGAP21
10	24922388	T	C	ARHGAP21
10	25145915	C	T	PRTFDC1
10	25241489	C	T	PRTFDC1
10	25241502	C	T	PRTFDC1
10	25273744	T	C	ENKUR
10	25288470	A	T	ENKUR
10	25312895	C	A	THNSL1
10	25313254	C	A	THNSL1
10	25464596	G	A	GPR158
10	25755619	C	T	GPR158
10	25888180	A	G	GPR158
10	26355906	G	A	MYO3A
10	26355992	A	G	MYO3A
10	26357748	G	A	MYO3A
10	26377331	C	T	MYO3A
10	26434455	G	T	MYO3A
10	26446312	G	A	MYO3A
10	26455090	G	A	MYO3A
10	26463043	A	T	MYO3A
10	26463052	C	A	MYO3A
10	26463130	C	A	MYO3A
10	26463443	C	T	MYO3A
10	26482160	A	G	MYO3A
10	26508143	C	A	GAD2
10	26513468	G	A	GAD2
10	26513551	G	A	GAD2
10	26518671	G	A	GAD2

10	26792144	G	A	APBB1IP
10	27009268	A	G	PDSS1
10	27012811	C	G	PDSS1
10	27040624	TGG	-	ABI1
10	27044667	G	A	ABI1
10	27303605	A	T	ANKRD26
10	27306492	A	G	ANKRD26
10	27306678	C	T	ANKRD26
10	27317840	C	T	ANKRD26
10	27322303	C	G	ANKRD26
10	27322306	C	T	ANKRD26
10	27324372	C	T	ANKRD26
10	27328937	C	G	ANKRD26
10	27342286	TCT	-	ANKRD26
10	27353007	T	C	ANKRD26
10	27381431	G	A	ANKRD26
10	27389197	T	C	ANKRD26
10	27436462	GC	-	YME1L1
10	27436566	T	C	YME1L1
10	27456090	C	T	MASTL
10	27458898	C	A	MASTL
10	27459716	G	A	MASTL
10	27459746	C	G	MASTL
10	27459948	A	G	MASTL
10	27475445	G	A	MASTL
10	27497191	G	A	ACBD5
10	27499979	G	T	ACBD5
10	27529313	G	A	ACBD5
10	27687225	A	G	PTCHD3
10	27687638	C	T	PTCHD3
10	27687760	T	-	PTCHD3
10	27687775	T	C	PTCHD3
10	27687965	A	G	PTCHD3
10	27687989	T	G	PTCHD3
10	27702256	-	C	PTCHD3
10	27702338	C	T	PTCHD3
10	27702894	GGGGTGCATC(-	-	PTCHD3
10	27702901	A	-	PTCHD3
10	28023582	G	C	MKX
10	28024177	C	T	MKX
10	28032239	T	C	MKX
10	28101455	C	A	ARMC4
10	28149640	C	T	ARMC4

10	28224075	G	A	ARMC4
10	28224092	C	A	ARMC4
10	28228926	C	T	ARMC4
10	28260151	A	G	ARMC4
10	28270448	C	G	ARMC4
10	28273212	T	A	ARMC4
10	28412983	G	C	MPP7
10	28420620	C	T	MPP7
10	28971057	G	T	BAMBI
10	28971169	G	A	BAMBI
10	29599972	G	A	LYZL1
10	29752498	T	G	SVIL
10	29754535	G	A	SVIL
10	29754644	T	C	SVIL
10	29769589	C	T	SVIL
10	29770551	A	G	SVIL
10	29784026	A	G	SVIL
10	29812422	C	A	SVIL
10	29822032	C	T	SVIL
10	29822358	T	C	SVIL
10	29839787	A	G	SVIL
10	30315676	G	A	KIAA1462
10	30316072	C	G	KIAA1462
10	30316208	T	C	KIAA1462
10	30336672	C	T	KIAA1462
10	30602650	C	T	MTPAP
10	30602680	G	C	MTPAP
10	30629226	G	A	MTPAP
10	31137680	T	C	ZNF438
10	31146615	T	C	ZNF438
10	31810679	A	G	ZEB1
10	31810782	A	C	ZEB1
10	32128611	A	G	ARHGAP12
10	32575674	C	T	EPC1
10	32580205	C	T	EPC1
10	32580219	T	C	EPC1
10	32740611	C	T	CCDC7
10	32740798	-	T	CCDC7
10	32742299	G	C	CCDC7
10	32745248	A	C	CCDC7
10	32780886	T	C	CCDC7
10	32780902	A	C	CCDC7
10	32807434	G	T	CCDC7

10	32856746	A	C	<i>CCDC7</i>
10	32856798	-	A	<i>CCDC7</i>
10	33017896	AAAT	-	<i>CCDC7</i>
10	33113448	A	G	<i>CCDC7</i>
10	33136819	AA	-	<i>CCDC7</i>
10	33137551	T	C	<i>CCDC7</i>
10	33137574	A	C	<i>CCDC7</i>
10	33143396	G	A	<i>CCDC7</i>
10	33475282	C	T	<i>NRP1</i>
10	33496576	G	C	<i>NRP1</i>
10	33552696	A	G	<i>NRP1</i>
10	34558715	C	T	<i>PARD3</i>
10	34620077	G	A	<i>PARD3</i>
10	34671513	T	C	<i>PARD3</i>
10	34671623	A	G	<i>PARD3</i>
10	34688273	C	G	<i>PARD3</i>
10	35322199	C	T	<i>CUL2</i>
10	35896571	G	A	<i>GJD4</i>
10	37419218	C	T	<i>ANKRD30A</i>
10	37421199	C	T	<i>ANKRD30A</i>
10	37421250	C	T	<i>ANKRD30A</i>
10	37508256	G	C	<i>ANKRD30A</i>
10	37508579	TG	-	<i>ANKRD30A</i>
10	38121693	T	C	<i>ZNF248</i>
10	38241067	A	C	<i>ZNF25</i>
10	38343858	C	T	<i>ZNF33A</i>
10	38344700	C	G	<i>ZNF33A</i>
10	38345409	A	G	<i>ZNF33A</i>
10	38406359	A	C	<i>ZNF37A</i>
10	43088257	G	A	<i>ZNF33B</i>
10	43089278	T	C	<i>ZNF33B</i>
10	43089750	G	C	<i>ZNF33B</i>
10	43089965	G	A	<i>ZNF33B</i>
10	43089988	T	A	<i>ZNF33B</i>
10	43297639	G	A	<i>BMS1</i>
10	43595999	C	A	<i>RET</i>
10	43610119	G	A	<i>RET</i>
10	43613908	A	T	<i>RET</i>
10	43622095	A	G	<i>RET</i>
10	43871158	G	A	<i>FXVD4</i>
10	43882669	T	C	<i>HNRNPF</i>
10	44052395	T	C	<i>ZNF239</i>
10	44052903	A	C	<i>ZNF239</i>

10	44053451	T	C	ZNF239
10	44104101	C	T	ZNF485
10	44112245	G	A	ZNF485
10	44876259	A	G	CXCL12
10	45473249	C	T	C10orf10
10	45480356	G	A	RASSF4
10	45496120	A	T	C10orf25
10	45496126	G	A	C10orf25
10	45799065	-	A	OR13A1
10	45799452	C	T	OR13A1
10	45958856	G	C	MARCH8
10	45958881	A	C	MARCH8
10	45958881	A	G	MARCH8
10	45959131	G	A	MARCH8
10	45959729	A	G	MARCH8
10	46111895	G	A	ZFAND4
10	46122195	A	T	ZFAND4
10	46143958	T	G	ZFAND4
10	46965017	C	T	SYT15
10	46965755	C	T	SYT15
10	46965756	G	C	SYT15
10	46965803	C	T	SYT15
10	46967641	C	G	SYT15
10	46999209	G	A	GPRIN2
10	46999679	G	A	GPRIN2
10	46999865	C	G	GPRIN2
10	47000004	T	C	GPRIN2
10	47000019	G	A	GPRIN2
10	47086943	G	A	CH17
10	47087498	C	T	CH17
10	47087499	G	A	CH17
10	48370726	C	-	ZNF488
10	48370747	C	T	ZNF488
10	48371220	T	C	ZNF488
10	48371277	C	T	ZNF488
10	48371397	G	A	ZNF488
10	48388252	C	A	RBP3
10	48389247	C	T	RBP3
10	48389841	C	T	RBP3
10	49393643	C	T	FRMPD2
10	49393688	C	A	FRMPD2
10	49414829	G	A	FRMPD2
10	49440275	C	T	FRMPD2

10	49440329	T	C	<i>FRMPD2</i>
10	49447720	G	A	<i>FRMPD2</i>
10	49658448	G	A	<i>ARHGAP22</i>
10	49658949	G	A	<i>ARHGAP22</i>
10	49667829	C	T	<i>ARHGAP22</i>
10	49667833	C	G	<i>ARHGAP22</i>
10	49933974	T	C	<i>WDFY4</i>
10	49934020	G	A	<i>WDFY4</i>
10	49942050	A	T	<i>WDFY4</i>
10	49968432	G	A	<i>WDFY4</i>
10	50025396	G	A	<i>WDFY4</i>
10	50025446	G	T	<i>WDFY4</i>
10	50034833	G	A	<i>WDFY4</i>
10	50038878	G	C	<i>WDFY4</i>
10	50098739	G	C	<i>WDFY4</i>
10	50109895	A	C	<i>WDFY4</i>
10	50109902	G	A	<i>WDFY4</i>
10	50151420	G	A	<i>WDFY4</i>
10	50178246	C	T	<i>WDFY4</i>
10	50183042	G	A	<i>WDFY4</i>
10	50186393	C	T	<i>WDFY4</i>
10	50186415	C	T	<i>WDFY4</i>
10	50285339	C	T	<i>VSTM4</i>
10	50315893	A	G	<i>VSTM4</i>
10	50315999	C	T	<i>VSTM4</i>
10	50339754	G	T	<i>FAM170B</i>
10	50340190	C	T	<i>FAM170B</i>
10	50340304	C	A	<i>FAM170B</i>
10	50341954	A	G	<i>FAM170B</i>
10	50369666	G	A	<i>C10orf128</i>
10	50373815	G	A	<i>C10orf128</i>
10	50373832	G	A	<i>C10orf128</i>
10	50376004	A	G	<i>C10orf128</i>
10	50530724	A	G	<i>C10orf71</i>
10	50531137	A	T	<i>C10orf71</i>
10	50531214	C	G	<i>C10orf71</i>
10	50531549	G	T	<i>C10orf71</i>
10	50531606	C	A	<i>C10orf71</i>
10	50531906	C	T	<i>C10orf71</i>
10	50531911	T	C	<i>C10orf71</i>
10	50531972	A	C	<i>C10orf71</i>
10	50532588	C	G	<i>C10orf71</i>
10	50532683	T	C	<i>C10orf71</i>

10	50532812	A	G	<i>C10orf71</i>
10	50533054	T	G	<i>C10orf71</i>
10	50533463	T	A	<i>C10orf71</i>
10	50534350	G	A	<i>C10orf71</i>
10	50534599	G	A	<i>C10orf71</i>
10	50594628	C	T	<i>DRGX</i>
10	50667105	T	C	<i>ERCC6</i>
10	50667120	T	G	<i>ERCC6</i>
10	50678317	C	G	<i>ERCC6</i>
10	50678369	T	C	<i>ERCC6</i>
10	50678884	T	G	<i>ERCC6</i>
10	50679030	T	C	<i>ERCC6</i>
10	50701212	G	A	<i>ERCC6</i>
10	50724775	G	A	<i>ERCC6</i>
10	50732202	T	G	<i>ERCC6</i>
10	50732280	C	T	<i>ERCC6</i>
10	50732318	G	C	<i>ERCC6</i>
10	50824106	C	T	<i>CHAT</i>
10	50824117	G	A	<i>CHAT</i>
10	50824619	G	A	<i>CHAT</i>
10	50828626	G	C	<i>CHAT</i>
10	50830155	C	G	<i>CHAT</i>
10	50830171	C	T	<i>CHAT</i>
10	50854637	G	A	<i>CHAT</i>
10	50856643	C	T	<i>CHAT</i>
10	50856652	G	A	<i>CHAT</i>
10	50863188	G	A	<i>CHAT</i>
10	50870734	G	A	<i>CHAT</i>
10	50873022	C	T	<i>CHAT</i>
10	50901917	C	A	<i>C10orf53</i>
10	50916542	C	T	<i>C10orf53</i>
10	50944172	C	T	<i>OGDHL</i>
10	50944528	C	A	<i>OGDHL</i>
10	50947825	A	G	<i>OGDHL</i>
10	50950976	G	A	<i>OGDHL</i>
10	50952101	C	G	<i>OGDHL</i>
10	50955185	T	G	<i>OGDHL</i>
10	50958895	T	A	<i>OGDHL</i>
10	50959962	C	G	<i>OGDHL</i>
10	50966610	C	A	<i>OGDHL</i>
10	51568378	T	G	<i>NCOA4</i>
10	51582911	C	T	<i>NCOA4</i>
10	51585385	C	T	<i>NCOA4</i>

10	52005095	G	A	ASAH2
10	53822301	A	G	PRKG1
10	54074755	G	A	DKK1
10	54074798	G	T	DKK1
10	54076118	G	T	DKK1
10	55582088	C	T	PCDH15
10	55721636	C	A	PCDH15
10	55755491	C	T	PCDH15
10	55892642	T	C	PCDH15
10	55955444	T	G	PCDH15
10	55973755	G	A	PCDH15
10	56423968	A	C	PCDH15
10	58118630	T	C	ZWINT
10	58120988	C	A	ZWINT
10	60145342	G	C	TFAM
10	60549037	G	A	BICC1
10	60562953	A	C	BICC1
10	60573675	G	A	BICC1
10	60577396	A	G	BICC1
10	60588553	T	C	BICC1
10	61005244	G	C	PHYHIPL
10	61007460	C	T	FAM13C
10	61022303	G	A	FAM13C
10	61112161	G	A	FAM13C
10	61412559	A	C	SLC16A9
10	61414011	G	T	SLC16A9
10	61414176	G	A	SLC16A9
10	61443890	C	T	SLC16A9
10	61552692	G	T	CCDC6
10	61552762	-	GGAGGT	CCDC6
10	61552763	G	A	CCDC6
10	61802477	C	T	ANK3
10	61819543	C	A	ANK3
10	61829951	T	C	ANK3
10	61830584	T	C	ANK3
10	61830642	T	A	ANK3
10	61830704	G	A	ANK3
10	61831984	G	T	ANK3
10	61832105	C	T	ANK3
10	61833414	A	G	ANK3
10	61833684	C	T	ANK3
10	61835057	G	A	ANK3
10	61836174	G	A	ANK3

10	61840327	T	C	ANK3
10	63195969	C	T	TMEM26
10	63700087	A	C	ARID5B
10	63850661	G	A	ARID5B
10	63957780	C	T	RTKN2
10	63976913	AGCTTC	-	RTKN2
10	63976968	C	T	RTKN2
10	63977980	C	T	RTKN2
10	63999515	C	T	RTKN2
10	64414641	C	T	ZNF365
10	64415184	A	G	ZNF365
10	64425927	T	G	ZNF365
10	64564934	C	G	ADO
10	64573754	G	A	EGR2
10	64927823	C	G	JMJD1C
10	64927837	C	T	JMJD1C
10	64937501	G	C	JMJD1C
10	64949103	T	A	JMJD1C
10	64952835	G	A	JMJD1C
10	64967143	G	A	JMJD1C
10	64967951	CTAAAC	-	JMJD1C
10	64974156	T	C	JMJD1C
10	64974380	G	C	JMJD1C
10	64974537	A	T	JMJD1C
10	64974596	TCA	-	JMJD1C
10	64974807	C	G	JMJD1C
10	64975321	C	T	JMJD1C
10	68040325	C	T	CTNNA3
10	68688019	A	G	LRRTM3
10	69281701	A	T	CTNNA3
10	69672479	G	A	SIRT1
10	69692476	C	T	HERC4
10	69785435	-	A	HERC4
10	69905283	G	A	MYPN
10	69908157	T	C	MYPN
10	69926334	C	G	MYPN
10	69933921	G	A	MYPN
10	69933969	G	A	MYPN
10	69934258	C	G	MYPN
10	69934259	G	A	MYPN
10	69948821	C	T	MYPN
10	69959242	C	A	MYPN
10	70056041	C	G	PBLD

10	70066553	G	A	<i>PBLD</i>
10	70101417	G	C	<i>HNRNPH3</i>
10	70156556	T	C	<i>RUFY2</i>
10	70179634	G	T	<i>DNA2</i>
10	70190248	C	A	<i>DNA2</i>
10	70192040	C	T	<i>DNA2</i>
10	70192041	G	A	<i>DNA2</i>
10	70332355	C	G	<i>TET1</i>
10	70332477	G	T	<i>TET1</i>
10	70332672	T	A	<i>TET1</i>
10	70332862	C	T	<i>TET1</i>
10	70332891	C	G	<i>TET1</i>
10	70404533	C	G	<i>TET1</i>
10	70404588	G	A	<i>TET1</i>
10	70405539	A	G	<i>TET1</i>
10	70405541	A	G	<i>TET1</i>
10	70405855	A	G	<i>TET1</i>
10	70406189	G	C	<i>TET1</i>
10	70406747	A	G	<i>TET1</i>
10	70450582	G	A	<i>TET1</i>
10	70641860	T	C	<i>STOX1</i>
10	70645296	C	T	<i>STOX1</i>
10	70645376	A	C	<i>STOX1</i>
10	70646026	A	T	<i>STOX1</i>
10	70646130	G	A	<i>STOX1</i>
10	70670072	C	T	<i>DDX50</i>
10	70715989	G	C	<i>DDX21</i>
10	70716061	C	T	<i>DDX21</i>
10	70730020	T	C	<i>DDX21</i>
10	70748784	G	A	<i>KIAA1279</i>
10	70760271	T	C	<i>KIAA1279</i>
10	70856852	G	A	<i>SRGN</i>
10	70940135	C	A	<i>SUPV3L1</i>
10	70968505	C	T	<i>SUPV3L1</i>
10	70987024	G	A	<i>HKDC1</i>
10	71018660	T	C	<i>HKDC1</i>
10	71021004	C	T	<i>HKDC1</i>
10	71025447	C	T	<i>HKDC1</i>
10	71026433	T	C	<i>HKDC1</i>
10	71026510	C	A	<i>HKDC1</i>
10	71060610	A	G	<i>HK1</i>
10	71142410	A	G	<i>HK1</i>
10	71164655	C	T	<i>TACR2</i>

10	71164692	T	C	TACR2
10	71164742	G	A	TACR2
10	71164811	C	T	TACR2
10	71168727	C	T	TACR2
10	71168766	C	G	TACR2
10	71168778	A	G	TACR2
10	71174807	C	T	TACR2
10	71176012	A	G	TACR2
10	71244942	G	A	TSPAN15
10	71244945	G	A	TSPAN15
10	71266703	G	T	TSPAN15
10	71332204	A	G	NEUROG3
10	71332301	C	T	NEUROG3
10	71640274	G	A	COL13A1
10	71648077	C	A	COL13A1
10	71658478	G	A	COL13A1
10	71690231	G	A	COL13A1
10	71871347	G	T	H2AFY2
10	71874784	C	T	AIFM2
10	71880301	T	C	AIFM2
10	71880858	A	G	AIFM2
10	71902459	C	T	TYSND1
10	71905735	G	A	TYSND1
10	71905802	CTCTCAGTTGA-		TYSND1
10	72025953	C	T	NPFFR1
10	72195439	T	C	NODAL
10	72293702	C	T	PALD1
10	72293732	G	A	PALD1
10	72294183	C	T	PALD1
10	72298745	C	T	PALD1
10	72307101	C	T	PALD1
10	72358167	G	A	PRF1
10	72358722	T	C	PRF1
10	72360291	C	T	PRF1
10	72360387	G	A	PRF1
10	72434602	C	T	ADAMTS14
10	72468473	C	T	ADAMTS14
10	72500763	T	C	ADAMTS14
10	72511880	C	T	ADAMTS14
10	72513635	C	A	ADAMTS14
10	72513648	A	G	ADAMTS14
10	72517830	G	A	ADAMTS14
10	72518009	A	G	ADAMTS14

10	72520254	C	T	ADAMTS14
10	72532300	T	C	TBATA
10	72532314	G	A	TBATA
10	72535007	C	T	TBATA
10	72604263	G	T	SGPL1
10	73045158	G	A	UNC5B
10	73046546	C	T	UNC5B
10	73051440	G	A	UNC5B
10	73055607	G	A	UNC5B
10	73082563	A	G	SLC29A3
10	73111408	C	T	SLC29A3
10	73111423	G	T	SLC29A3
10	73115942	G	A	SLC29A3
10	73121779	T	C	SLC29A3
10	73121913	A	G	SLC29A3
10	73199595	C	T	CDH23
10	73269866	A	G	CDH23
10	73377112	G	A	CDH23
10	73406450	C	A	CDH23
10	73434888	G	C	CDH23
10	73434906	G	A	CDH23
10	73453966	C	T	CDH23
10	73453990	C	T	CDH23
10	73464764	A	G	CDH23
10	73464812	G	A	CDH23
10	73472494	A	G	CDH23
10	73476019	G	A	C10orf105
10	73476021	G	A	C10orf105
10	73490310	G	A	CDH23
10	73491873	A	G	CDH23
10	73492073	C	T	CDH23
10	73492079	A	G	CDH23
10	73501556	G	A	CDH23
10	73520632	A	C	C10orf54
10	73533177	A	G	C10orf54
10	73537449	G	A	CDH23
10	73537614	G	A	CDH23
10	73544086	G	A	CDH23
10	73544093	C	G	CDH23
10	73550117	C	G	CDH23
10	73550969	G	A	CDH23
10	73558128	G	A	CDH23
10	73558886	G	A	CDH23

10	73558952	C	T	CDH23
10	73560498	G	A	CDH23
10	73563067	G	C	CDH23
10	73571765	T	C	CDH23
10	73572583	C	T	CDH23
10	73573037	C	T	CDH23
10	73767137	G	T	CHST3
10	73822855	C	T	SPOCK2
10	73823940	CTT	-	SPOCK2
10	73831956	A	G	SPOCK2
10	73892817	T	C	ASCC1
10	73964243	G	C	ASCC1
10	73970502	C	G	ASCC1
10	73972957	C	T	ASCC1
10	73983698	C	T	ANAPC16
10	74100811	C	T	DNAJB12
10	74100836	C	T	DNAJB12
10	74311046	G	C	MICU1
10	74645578	T	A	MCU
10	74874194	T	C	NUDT13
10	74879835	C	T	NUDT13
10	74882044	T	G	NUDT13
10	74886544	A	G	NUDT13
10	74890583	-	C	NUDT13
10	74890603	C	T	NUDT13
10	74894375	T	C	ECD
10	74894526	A	C	ECD
10	74896547	T	A	ECD
10	74899134	C	G	ECD
10	74906034	C	A	ECD
10	74923562	C	T	ECD
10	74923670	G	T	ECD
10	75006932	G	T	DNAJC9
10	75011761	A	G	MRPS16
10	75035257	T	C	CFAP70
10	75037999	C	A	CFAP70
10	75051169	C	T	CFAP70
10	75071618	G	A	CFAP70
10	75147454	T	C	ANXA7
10	75184444	A	G	MSS51
10	75184463	A	C	MSS51
10	75184516	A	-	MSS51
10	75185748	C	T	MSS51

10	75185749	G	A	MSS51
10	75187395	G	A	MSS51
10	75187483	G	A	MSS51
10	75258443	C	T	USP54
10	75258710	C	T	USP54
10	75265136	C	T	USP54
10	75277308	A	G	USP54
10	75289574	G	A	USP54
10	75305340	G	C	USP54
10	75394401	C	T	MYOZ1
10	75406912	G	T	SYNPO2L
10	75407290	G	A	SYNPO2L
10	75413196	C	T	SYNPO2L
10	75519959	G	A	SEC24C
10	75523634	A	G	SEC24C
10	75523674	T	C	SEC24C
10	75529163	C	T	SEC24C
10	75551774	C	T	ZSWIM8
10	75553651	G	A	ZSWIM8
10	75556978	T	C	ZSWIM8
10	75560141	G	T	ZSWIM8
10	75563667	G	C	NDST2
10	75566517	C	A	NDST2
10	75566540	T	C	NDST2
10	75671356	G	T	PLAU
10	75673101	T	C	PLAU
10	75673124	C	T	PLAU
10	75673748	A	C	PLAU
10	75674582	G	A	PLAU
10	75675086	T	C	PLAU
10	75896420	T	C	AP3M1
10	76789077	G	A	KAT6B
10	76789417	G	A	KAT6B
10	76803567	T	G	DUPD1
10	76818200	C	T	DUPD1
10	76854564	C	T	DUSP13
10	76855416	G	A	DUSP13
10	76855417	C	T	DUSP13
10	76861680	T	C	DUSP13
10	76867753	C	G	DUSP13
10	76910529	T	A	SAMD8
10	77159751	C	G	ZNF503
10	77542754	C	-	C10orf11

10	78084184	C	T	<i>C10orf11</i>
10	79566664	C	T	<i>DLG5</i>
10	79579775	T	G	<i>DLG5</i>
10	79580976	G	A	<i>DLG5</i>
10	79581028	G	A	<i>DLG5</i>
10	79584179	C	T	<i>DLG5</i>
10	79590510	C	G	<i>DLG5</i>
10	79616605	T	C	<i>DLG5</i>
10	79741937	C	T	<i>POLR3A</i>
10	79742569	C	T	<i>POLR3A</i>
10	79745881	T	C	<i>POLR3A</i>
10	79769647	C	A	<i>POLR3A</i>
10	81070780	A	T	<i>ZMIZ1</i>
10	81318663	C	G	<i>SFTPA2</i>
10	81318680	C	T	<i>SFTPA2</i>
10	81318681	G	A	<i>SFTPA2</i>
10	81372080	C	T	<i>SFTPA1</i>
10	81372166	C	G	<i>SFTPA1</i>
10	81697811	C	T	<i>SFTPD</i>
10	81697868	A	T	<i>SFTPD</i>
10	81702210	G	C	<i>SFTPD</i>
10	81706324	A	G	<i>SFTPD</i>
10	81838864	A	G	<i>TMEM254</i>
10	81917486	T	C	<i>ANXA11</i>
10	81925866	T	C	<i>ANXA11</i>
10	81926702	G	A	<i>ANXA11</i>
10	81927002	C	T	<i>ANXA11</i>
10	81927059	C	T	<i>ANXA11</i>
10	82126541	C	G	<i>DYDC2</i>
10	82126600	G	A	<i>DYDC2</i>
10	82187167	G	A	<i>FAM213A</i>
10	82363404	A	G	<i>SH2D4B</i>
10	82369219	T	A	<i>SH2D4B</i>
10	84744926	C	A	<i>NRG3</i>
10	84745221	G	A	<i>NRG3</i>
10	85912039	G	A	<i>GHITM</i>
10	85956268	C	A	<i>CDHR1</i>
10	85968099	G	A	<i>CDHR1</i>
10	85972932	A	G	<i>CDHR1</i>
10	85981756	G	T	<i>LRIT2</i>
10	85981801	T	G	<i>LRIT2</i>
10	85981842	A	G	<i>LRIT2</i>
10	85984323	G	A	<i>LRIT2</i>

10	85984444	T	G	LRIT2
10	85991784	T	C	LRIT1
10	85992390	G	T	LRIT1
10	85997105	G	T	LRIT1
10	86012708	C	A	RGR
10	86017740	C	T	RGR
10	86131059	A	G	CCSER2
10	86131671	A	G	CCSER2
10	86273249	T	C	CCSER2
10	87373271	C	T	GRID1
10	87489317	T	C	GRID1
10	88206187	C	T	WAPL
10	88259526	G	C	WAPL
10	88259879	T	C	WAPL
10	88277457	C	T	WAPL
10	88414569	C	T	OPN4
10	88416963	G	A	OPN4
10	88417867	G	-	OPN4
10	88419700	G	T	OPN4
10	88422062	G	A	OPN4
10	88422116	C	T	OPN4
10	88696622	C	G	MMRN2
10	88719758	T	C	SNCG
10	88722398	A	T	SNCG
10	89268263	C	A	MINPP1
10	89468953	G	A	PAPSS2
10	89475544	G	A	PAPSS2
10	89530722	T	A	ATAD1
10	89621863	G	C	KLLN
10	89621905	CT	-	KLLN
10	89622115	C	G	KLLN
10	90122314	T	C	RNLS
10	90341359	A	G	RNLS
10	90342837	C	G	RNLS
10	90351202	T	G	LIPJ
10	90356568	T	G	LIPJ
10	90356584	C	T	LIPJ
10	90356598	A	G	LIPJ
10	90366587	A	G	LIPJ
10	90429652	A	G	LIPF
10	90433345	T	A	LIPF
10	90435347	G	A	LIPF
10	90486553	G	A	LIPK

10	90492227	T	G	LIPK
10	90492271	T	A	LIPK
10	90512306	G	C	LIPK
10	90524335	C	T	LIPN
10	90528612	G	A	LIPN
10	90530660	C	A	LIPN
10	90530701	G	A	LIPN
10	90537910	G	T	LIPN
10	90574957	G	C	LIPM
10	90574981	G	-	LIPM
10	90582744	C	A	ANKRD22
10	90583092	T	G	ANKRD22
10	90673024	G	A	STAMBPL1
10	90673047	G	A	STAMBPL1
10	90682949	G	T	STAMBPL1
10	90762801	G	A	FAS
10	90771767	G	A	FAS
10	90983509	T	A	LIPA
10	91007339	C	T	LIPA
10	91007360	T	G	LIPA
10	91065949	A	C	IFIT2
10	91066075	A	G	IFIT2
10	91066150	G	C	IFIT2
10	91066446	G	C	IFIT2
10	91066769	C	A	IFIT2
10	91067047	A	G	IFIT2
10	91099466	G	C	IFIT3
10	91099593	A	G	IFIT3
10	91143974	A	G	IFIT1B
10	91162592	G	A	IFIT1
10	91177139	A	C	IFIT5
10	91177152	C	G	IFIT5
10	91404656	G	A	PANK1
10	91404726	C	T	PANK1
10	91405044	C	T	PANK1
10	91477375	G	T	KIF20B
10	91479211	G	T	KIF20B
10	91486079	TAT	-	KIF20B
10	91487649	A	T	KIF20B
10	91488979	A	T	KIF20B
10	91497207	A	G	KIF20B
10	91497605	A	G	KIF20B
10	91498127	T	C	KIF20B

10	91498254	A	G	KIF20B
10	91520368	T	A	KIF20B
10	91522548	A	G	KIF20B
10	92503400	G	C	HTR7
10	92509055	G	A	HTR7
10	92631775	C	T	RPP30
10	92631778	G	A	RPP30
10	92675322	G	A	ANKRD1
10	92678707	G	A	ANKRD1
10	93185164	A	G	HECTD2
10	93220242	T	A	HECTD2
10	93221018	G	A	HECTD2
10	93593628	C	T	TNKS2
10	93668051	C	G	FGFBP3
10	93668110	T	A	FGFBP3
10	93668140	T	C	FGFBP3
10	93711300	G	T	BTAF1
10	93749211	A	G	BTAF1
10	93784724	G	A	BTAF1
10	93940771	T	A	CPEB3
10	94223617	T	C	IDE
10	94393383	A	G	KIF11
10	94397017	A	G	KIF11
10	94594565	G	A	EXOC6
10	94608319	C	T	EXOC6
10	94695617	C	T	EXOC6
10	94714427	C	G	EXOC6
10	94715374	A	G	EXOC6
10	94733904	C	T	EXOC6
10	94824276	-	CCATGCA	CYP26C1
10	94828158	C	T	CYP26C1
10	94834578	G	A	CYP26A1
10	94834752	G	T	CYP26A1
10	95076502	G	T	MYOF
10	95079636	G	A	MYOF
10	95083039	C	T	MYOF
10	95083040	G	A	MYOF
10	95085594	T	C	MYOF
10	95093619	G	A	MYOF
10	95107423	A	T	MYOF
10	95107428	G	A	MYOF
10	95111492	T	A	MYOF
10	95123803	G	A	MYOF

10	95134707	G	A	MYOF
10	95147609	G	A	MYOF
10	95161268	C	T	MYOF
10	95191218	A	T	MYOF
10	95259979	C	G	CEP55
10	95259983	C	T	CEP55
10	95262981	A	G	CEP55
10	95263065	G	A	CEP55
10	95275274	A	G	CEP55
10	95276905	G	A	CEP55
10	95276973	G	A	CEP55
10	95278683	G	A	CEP55
10	95279506	A	T	CEP55
10	95326676	C	T	FFAR4
10	95372895	T	C	PDE6C
10	95381773	T	A	PDE6C
10	95400694	G	T	PDE6C
10	95418703	G	A	PDE6C
10	95422918	A	G	PDE6C
10	95441272	G	A	FRA10AC1
10	95454673	C	T	FRA10AC1
10	95454681	G	C	FRA10AC1
10	95459817	C	T	FRA10AC1
10	95931011	A	G	PLCE1
10	95931087	G	T	PLCE1
10	95993887	A	G	PLCE1
10	96006281	G	A	PLCE1
10	96039597	G	C	PLCE1
10	96058298	C	T	PLCE1
10	96066341	A	G	PLCE1
10	96093938	T	C	NOC3L
10	96093965	A	G	NOC3L
10	96098373	C	T	NOC3L
10	96104665	T	G	NOC3L
10	96106240	G	C	NOC3L
10	96109888	C	T	NOC3L
10	96114835	G	A	NOC3L
10	96117084	G	C	NOC3L
10	96121505	T	C	NOC3L
10	96162517	GGAGGAGGCT(-		TBC1D12
10	96162534	-	GGAGGAGGCT(-	TBC1D12
10	96342748	C	G	HELLS
10	96493058	C	T	CYP2C18

10	96495161	G	A	<i>CYP2C18</i>
10	96748777	C	T	<i>CYP2C9</i>
10	96798749	T	C	<i>CYP2C8</i>
10	96798795	C	T	<i>CYP2C8</i>
10	96818119	G	C	<i>CYP2C8</i>
10	96954298	A	G	<i>ACSM6</i>
10	96954360	T	A	<i>ACSM6</i>
10	96967024	C	T	<i>ACSM6</i>
10	97023630	T	C	<i>PDLIM1</i>
10	97096645	C	T	<i>SORBS1</i>
10	97143826	T	C	<i>SORBS1</i>
10	97154424	T	C	<i>SORBS1</i>
10	97174352	T	C	<i>SORBS1</i>
10	97174537	C	A	<i>SORBS1</i>
10	97174610	A	T	<i>SORBS1</i>
10	97192324	A	G	<i>SORBS1</i>
10	97386497	G	T	<i>ALDH18A1</i>
10	97388162	G	A	<i>ALDH18A1</i>
10	97444321	C	T	<i>TCTN3</i>
10	97445336	T	C	<i>TCTN3</i>
10	97445357	C	A	<i>TCTN3</i>
10	97453433	G	A	<i>TCTN3</i>
10	97453464	T	G	<i>TCTN3</i>
10	97583002	G	A	<i>ENTPD1</i>
10	97687049	G	C	<i>C10orf131</i>
10	97772358	A	G	<i>CC2D2B</i>
10	97791761	A	T	<i>CC2D2B</i>
10	97963824	A	G	<i>BLNK</i>
10	97983635	C	A	<i>BLNK</i>
10	98006765	C	G	<i>BLNK</i>
10	98078239	A	G	<i>DNTT</i>
10	98084110	G	C	<i>DNTT</i>
10	98092286	G	A	<i>DNTT</i>
10	98095681	C	T	<i>DNTT</i>
10	98105840	G	A	<i>OPALIN</i>
10	98109535	C	A	<i>OPALIN</i>
10	98115019	G	A	<i>OPALIN</i>
10	98155678	G	A	<i>TLL2</i>
10	98157006	G	A	<i>TLL2</i>
10	98172999	C	T	<i>TLL2</i>
10	98182398	T	A	<i>TLL2</i>
10	98380137	T	C	<i>PIK3AP1</i>
10	98405235	T	C	<i>PIK3AP1</i>

10	98469507	C	A	<i>PIK3AP1</i>
10	98469537	C	A	<i>PIK3AP1</i>
10	98741293	A	G	<i>C10orf12</i>
10	98741973	A	G	<i>C10orf12</i>
10	98742043	A	G	<i>C10orf12</i>
10	98742750	A	C	<i>C10orf12</i>
10	98802722	G	T	<i>SLIT1</i>
10	98825794	C	T	<i>SLIT1</i>
10	98924600	G	A	<i>SLIT1</i>
10	99003811	G	A	<i>ARHGAP19</i>
10	99006061	G	A	<i>ARHGAP19</i>
10	99016088	T	C	<i>ARHGAP19</i>
10	99118716	G	A	<i>RRP12</i>
10	99125949	C	T	<i>RRP12</i>
10	99132509	T	C	<i>RRP12</i>
10	99140576	C	T	<i>RRP12</i>
10	99141192	C	T	<i>RRP12</i>
10	99218456	C	T	<i>MMS19</i>
10	99219865	C	T	<i>MMS19</i>
10	99220707	C	T	<i>MMS19</i>
10	99225645	G	A	<i>MMS19</i>
10	99225846	C	T	<i>MMS19</i>
10	99236625	C	T	<i>MMS19</i>
10	99240758	G	C	<i>MMS19</i>
10	99338262	C	T	<i>ANKRD2</i>
10	99342085	C	T	<i>ANKRD2</i>
10	99342400	C	T	<i>ANKRD2</i>
10	99350017	G	C	<i>C10orf62</i>
10	99350210	C	T	<i>C10orf62</i>
10	99371369	GAG	-	<i>HOGA1</i>
10	99416644	G	A	<i>PI4K2A</i>
10	99422724	G	A	<i>PI4K2A</i>
10	99439541	G	C	<i>AVPI1</i>
10	99439556	A	C	<i>AVPI1</i>
10	99502897	G	A	<i>ZFYVE27</i>
10	99509251	G	T	<i>ZFYVE27</i>
10	99531284	C	T	<i>SFRP5</i>
10	99625319	C	T	<i>CRTAC1</i>
10	99640110	C	T	<i>CRTAC1</i>
10	99640120	C	T	<i>CRTAC1</i>
10	99644037	C	T	<i>CRTAC1</i>
10	99683022	T	C	<i>CRTAC1</i>
10	99683122	G	A	<i>CRTAC1</i>

10	99695972	C	T	CRTAC1
10	99968670	A	G	R3HCC1L
10	99968849	T	G	R3HCC1L
10	99969475	A	C	R3HCC1L
10	99969498	G	C	R3HCC1L
10	99969507	C	T	R3HCC1L
10	99969568	A	G	R3HCC1L
10	99991408	A	G	R3HCC1L
10	100015474	G	A	LOXL4
10	100017453	T	G	LOXL4
10	100144782	C	T	PYROXD2
10	100148117	C	T	PYROXD2
10	100148176	A	G	PYROXD2
10	100167367	G	A	PYROXD2
10	100174841	G	C	PYROXD2
10	100177984	C	T	HPS1
10	100179851	T	C	HPS1
10	100183570	G	C	HPS1
10	100189568	C	A	HPS1
10	100190999	G	A	HPS1
10	100202987	A	G	HPS1
10	100219374	T	A	HPSE2
10	100481475	C	T	HPSE2
10	100503793	A	G	HPSE2
10	101147692	G	A	CNNM1
10	101165952	C	T	GOT1
10	101421279	G	A	ENTPD7
10	101421324	A	G	ENTPD7
10	101451259	T	C	ENTPD7
10	101478161	G	C	COX15
10	101544447	A	T	ABCC2
10	101557063	G	A	ABCC2
10	101563815	G	A	ABCC2
10	101565157	A	G	ABCC2
10	101569935	T	A	ABCC2
10	101578952	T	G	ABCC2
10	101590486	G	A	ABCC2
10	101591737	T	C	ABCC2
10	101595975	G	A	ABCC2
10	101595996	T	A	ABCC2
10	101610475	C	T	ABCC2
10	101611294	G	A	ABCC2
10	101639877	A	C	DNMBP

10	101643875	T	C	<i>DNMBP</i>
10	101667814	A	G	<i>DNMBP</i>
10	101667847	G	A	<i>DNMBP</i>
10	101715249	T	C	<i>DNMBP</i>
10	101716112	G	C	<i>DNMBP</i>
10	101829514	C	T	<i>CPN1</i>
10	101841232	T	C	<i>CPN1</i>
10	101912064	T	C	<i>ERLIN1</i>
10	101977883	C	T	<i>CHUK</i>
10	101980355	A	G	<i>CHUK</i>
10	101981878	T	A	<i>CHUK</i>
10	101993033	C	T	<i>CWF19L1</i>
10	102006625	G	A	<i>CWF19L1</i>
10	102046380	T	G	<i>BLOC1S2</i>
10	102048208	G	T	<i>PKD2L1</i>
10	102050242	C	A	<i>PKD2L1</i>
10	102051099	T	C	<i>PKD2L1</i>
10	102054823	G	A	<i>PKD2L1</i>
10	102056745	C	T	<i>PKD2L1</i>
10	102056790	G	A	<i>PKD2L1</i>
10	102057262	C	T	<i>PKD2L1</i>
10	102089635	C	A	<i>PKD2L1</i>
10	102089663	C	T	<i>PKD2L1</i>
10	102089718	G	C	<i>PKD2L1</i>
10	102222957	G	C	<i>WNT8B</i>
10	102247408	C	A	<i>SEC31B</i>
10	102247813	A	G	<i>SEC31B</i>
10	102248641	G	A	<i>SEC31B</i>
10	102255216	G	C	<i>SEC31B</i>
10	102258991	C	T	<i>SEC31B</i>
10	102265183	G	A	<i>SEC31B</i>
10	102295836	C	G	<i>HIF1AN</i>
10	102676783	G	A	<i>SLF2</i>
10	102683920	C	T	<i>SLF2</i>
10	102684380	C	A	<i>SLF2</i>
10	102684656	A	G	<i>SLF2</i>
10	102703847	T	C	<i>SLF2</i>
10	102732739	C	T	<i>SEMA4G</i>
10	102740026	C	T	<i>SEMA4G</i>
10	102740640	G	A	<i>SEMA4G</i>
10	102743424	G	A	<i>SEMA4G</i>
10	102743494	G	A	<i>SEMA4G</i>
10	102749069	G	A	<i>C10orf2</i>

10	102766288	A	G	LZTS2
10	102775529	C	T	PDZD7
10	102777967	A	G	PDZD7
10	102796866	G	-	SFXN3
10	102824292	G	A	KAZALD1
10	102824592	A	G	KAZALD1
10	102891390	G	A	TLX1
10	103294635	A	G	BTRC
10	103298099	G	T	BTRC
10	103340056	G	A	POLL
10	103343423	G	A	POLL
10	103345131	GGA	-	POLL
10	103368654	T	C	DPCD
10	103558745	G	C	MGEA5
10	103558759	G	A	MGEA5
10	103607307	T	C	C10orf76
10	103825929	T	G	HPS6
10	103826291	C	T	HPS6
10	103867930	C	T	LDB1
10	103899047	C	T	PPRC1
10	103899124	G	C	PPRC1
10	103899659	A	G	PPRC1
10	103899871	A	G	PPRC1
10	103900889	T	C	PPRC1
10	103900991	T	C	PPRC1
10	103904031	C	T	PPRC1
10	103906612	G	A	PPRC1
10	103906768	C	G	PPRC1
10	103907032	G	A	PPRC1
10	103907055	C	T	PPRC1
10	103917043	GAG	-	NOLC1
10	103919001	G	-	NOLC1
10	103920475	T	C	NOLC1
10	103988265	G	A	ELOVL3
10	103988298	T	A	ELOVL3
10	104140350	G	A	GBF1
10	104156028	G	A	NFKB2
10	104163627	C	T	PSD
10	104184052	G	A	CUEDC2
10	104231089	G	A	MFSD13A
10	104231098	G	A	MFSD13A
10	104404416	C	G	TRIM8
10	104493338	C	T	SFXN2

10	104572963	T	C	WBP1L
10	104573017	G	T	WBP1L
10	104597057	C	T	CYP17A1
10	104934709	T	C	NT5C2
10	105005926	G	A	RPEL1
10	105005931	C	T	RPEL1
10	105038008	A	G	INA
10	105048217	A	C	INA
10	105138047	C	G	TAF5
10	105139477	G	A	TAF5
10	105160184	A	G	PDCD11
10	105164845	G	C	PDCD11
10	105166468	C	T	PDCD11
10	105176350	C	T	PDCD11
10	105177645	G	T	PDCD11
10	105183348	T	C	PDCD11
10	105194086	C	T	PDCD11
10	105200111	G	A	PDCD11
10	105202013	C	T	PDCD11
10	105202091	G	T	PDCD11
10	105205260	A	G	PDCD11
10	105209357	AG	-	CALHM2
10	105209413	C	T	CALHM2
10	105215091	C	T	CALHM1
10	105215216	C	A	CALHM1
10	105218160	C	T	CALHM1
10	105218252	A	G	CALHM1
10	105233385	T	C	CALHM3
10	105331517	C	-	NEURL1
10	105331517	CGGCCGACCC(-	-	NEURL1
10	105331531	-	A	NEURL1
10	105331533	G	A	NEURL1
10	105331534	G	A	NEURL1
10	105362954	T	C	SH3PXD2A
10	105363048	C	T	SH3PXD2A
10	105659826	T	C	OBFC1
10	105659916	C	T	OBFC1
10	105762591	G	A	SLK
10	105762909	C	G	SLK
10	105763026	C	T	SLK
10	105765430	G	A	SLK
10	105780285	A	G	SLK
10	105781447	C	G	SLK

10	105792717	G	A	COL17A1
10	105793750	T	C	COL17A1
10	105810400	T	C	COL17A1
10	105816862	C	T	COL17A1
10	105816892	C	T	COL17A1
10	105824333	G	A	COL17A1
10	105836074	G	A	COL17A1
10	105891927	G	C	CFAP43
10	105905243	C	T	CFAP43
10	105906086	G	A	CFAP43
10	105957714	A	G	CFAP43
10	105963501	C	G	CFAP43
10	105971911	C	T	CFAP43
10	105974029	C	T	CFAP43
10	106014706	G	A	GSTO1
10	106022789	C	A	GSTO1
10	106022830	GAG	-	GSTO1
10	106025864	C	T	GSTO1
10	106027059	G	A	GSTO1
10	106039185	A	G	GSTO2
10	106075269	G	A	ITPRIP
10	106075500	G	A	ITPRIP
10	106124511	T	C	CFAP58
10	106163533	C	T	CFAP58
10	106214272	C	A	CFAP58
10	107022160	G	A	SORCS3
10	108338917	T	C	SORCS1
10	108339116	G	C	SORCS1
10	108469093	T	C	SORCS1
10	108589336	C	T	SORCS1
10	111890151	C	T	ADD3
10	111967693	G	A	MXI1
10	112044663	T	C	MXI1
10	112262561	G	C	DUSP5
10	112266822	G	A	DUSP5
10	112266823	C	T	DUSP5
10	112269908	C	G	DUSP5
10	112540815	G	A	RBM20
10	112541047	G	T	RBM20
10	112541062	G	A	RBM20
10	112543134	T	C	RBM20
10	112544125	C	T	RBM20
10	112581039	G	A	RBM20

10	112583294	G	A	<i>RBM20</i>
10	112654269	C	G	<i>PDCD4</i>
10	112838989	C	T	<i>ADRA2A</i>
10	113926224	A	G	<i>GPAM</i>
10	113935379	T	C	<i>GPAM</i>
10	113940329	T	C	<i>GPAM</i>
10	114045835	C	A	<i>TECTB</i>
10	114053512	T	A	<i>TECTB</i>
10	114192276	G	A	<i>ZDHHC6</i>
10	114204938	C	T	<i>ZDHHC6</i>
10	114205074	C	T	<i>ZDHHC6</i>
10	114925406	C	G	<i>TCF7L2</i>
10	115327273	G	T	<i>HABP2</i>
10	115336941	C	T	<i>HABP2</i>
10	115337833	C	T	<i>HABP2</i>
10	115338424	C	T	<i>HABP2</i>
10	115341758	C	T	<i>HABP2</i>
10	115343057	G	C	<i>HABP2</i>
10	115348046	G	A	<i>HABP2</i>
10	115349462	A	T	<i>NRAP</i>
10	115350597	G	A	<i>NRAP</i>
10	115352005	A	G	<i>NRAP</i>
10	115364585	A	G	<i>NRAP</i>
10	115370274	T	C	<i>NRAP</i>
10	115372156	G	A	<i>NRAP</i>
10	115374621	C	T	<i>NRAP</i>
10	115377224	T	G	<i>NRAP</i>
10	115377290	T	C	<i>NRAP</i>
10	115380419	C	T	<i>NRAP</i>
10	115381747	G	A	<i>NRAP</i>
10	115381896	A	G	<i>NRAP</i>
10	115392919	T	A	<i>NRAP</i>
10	115393929	G	A	<i>NRAP</i>
10	115393948	C	T	<i>NRAP</i>
10	115405615	T	C	<i>NRAP</i>
10	115405664	C	T	<i>NRAP</i>
10	115409840	C	T	<i>NRAP</i>
10	115410234	T	C	<i>NRAP</i>
10	115411614	A	G	<i>NRAP</i>
10	115457264	T	G	<i>CASP7</i>
10	115489152	C	G	<i>CASP7</i>
10	115489167	G	A	<i>CASP7</i>
10	115528602	A	T	<i>PLEKHS1</i>

10	115529576	T	A	<i>PLEKHS1</i>
10	115602192	T	A	<i>DCLRE1A</i>
10	115609761	C	T	<i>DCLRE1A</i>
10	115609915	C	G	<i>DCLRE1A</i>
10	115610004	G	A	<i>DCLRE1A</i>
10	115610259	T	A	<i>DCLRE1A</i>
10	115612530	G	A	<i>DCLRE1A</i>
10	115644040	G	A	<i>NHLRC2</i>
10	115657944	A	G	<i>NHLRC2</i>
10	115805056	G	C	<i>ADRB1</i>
10	115894702	G	A	<i>CCDC186</i>
10	115910928	G	T	<i>CCDC186</i>
10	115922492	C	T	<i>CCDC186</i>
10	115922495	T	C	<i>CCDC186</i>
10	115922774	G	A	<i>CCDC186</i>
10	115973813	G	A	<i>TDRD1</i>
10	115980422	G	C	<i>TDRD1</i>
10	115981178	A	T	<i>TDRD1</i>
10	116008497	G	A	<i>VWA2</i>
10	116008504	G	C	<i>VWA2</i>
10	116014752	G	T	<i>VWA2</i>
10	116032519	A	G	<i>VWA2</i>
10	116045796	G	A	<i>VWA2</i>
10	116046066	C	T	<i>VWA2</i>
10	116049152	-	GGAGGCTTG	<i>VWA2</i>
10	116050058	G	C	<i>VWA2</i>
10	116056981	G	A	<i>AFAP1L2</i>
10	116057110	C	T	<i>AFAP1L2</i>
10	116057112	C	T	<i>AFAP1L2</i>
10	116059031	G	C	<i>AFAP1L2</i>
10	116060427	G	C	<i>AFAP1L2</i>
10	116064528	G	A	<i>AFAP1L2</i>
10	116070141	G	A	<i>AFAP1L2</i>
10	116100461	C	T	<i>AFAP1L2</i>
10	116207642	C	T	<i>ABLIM1</i>
10	116207687	T	C	<i>ABLIM1</i>
10	116331054	-	CTG	<i>ABLIM1</i>
10	116659253	A	G	<i>FAM160B1</i>
10	116702425	A	C	<i>TRUB1</i>
10	116719498	T	C	<i>TRUB1</i>
10	116719543	G	A	<i>TRUB1</i>
10	116919873	CTT	-	<i>ATRNL1</i>
10	116930870	A	G	<i>ATRNL1</i>

10	117075175	G	A	<i>ATRNL1</i>
10	117849353	T	C	<i>GFRA1</i>
10	118030415	A	T	<i>GFRA1</i>
10	118187528	C	T	<i>PNLIPRP3</i>
10	118215310	-	A	<i>PNLIPRP3</i>
10	118225571	C	A	<i>PNLIPRP3</i>
10	118228763	T	C	<i>PNLIPRP3</i>
10	118231360	G	A	<i>PNLIPRP3</i>
10	118231363	A	G	<i>PNLIPRP3</i>
10	118351414	A	G	<i>PNLIPRP1</i>
10	118354278	G	A	<i>PNLIPRP1</i>
10	118364967	G	C	<i>PNLIPRP1</i>
10	118368606	T	C	<i>PNLIPRP1</i>
10	118425181	G	A	<i>C10orf82</i>
10	118434408	C	T	<i>HSPA12A</i>
10	118439206	T	C	<i>HSPA12A</i>
10	118609160	G	-	<i>ENO4</i>
10	118635605	C	G	<i>ENO4</i>
10	118641116	T	C	<i>ENO4</i>
10	119043554	C	T	<i>PDZD8</i>
10	119044242	G	A	<i>PDZD8</i>
10	119044800	C	T	<i>PDZD8</i>
10	119078391	T	G	<i>PDZD8</i>
10	119302941	GCC	-	<i>EMX2</i>
10	119302941	GCC	-	<i>EMX2</i>
10	119774577	G	A	<i>RAB11FIP2</i>
10	119774598	T	A	<i>RAB11FIP2</i>
10	119798924	G	T	<i>RAB11FIP2</i>
10	119799766	G	A	<i>RAB11FIP2</i>
10	119805598	T	C	<i>RAB11FIP2</i>
10	120801896	G	A	<i>EIF3A</i>
10	120802053	A	T	<i>EIF3A</i>
10	120802080	A	T	<i>EIF3A</i>
10	120802082	C	T	<i>EIF3A</i>
10	120810177	T	G	<i>EIF3A</i>
10	120863708	C	G	<i>FAM45A</i>
10	120883045	A	G	<i>FAM45A</i>
10	120889108	A	G	<i>FAM45A</i>
10	120931928	C	A	<i>PRDX3</i>
10	121086097	A	T	<i>GRK5</i>
10	121182694	C	T	<i>GRK5</i>
10	121429394	G	A	<i>BAG3</i>
10	121429633	T	C	<i>BAG3</i>

10	121556259	G	A	<i>INPP5F</i>
10	121586882	A	G	<i>INPP5F</i>
10	121587043	G	C	<i>INPP5F</i>
10	121587063	CTT	-	<i>INPP5F</i>
10	121587065	T	-	<i>INPP5F</i>
10	121612582	T	C	<i>MCMBP</i>
10	121663608	C	T	<i>SEC23IP</i>
10	121679013	A	G	<i>SEC23IP</i>
10	121692606	T	C	<i>SEC23IP</i>
10	122626152	G	A	<i>WDR11</i>
10	122630693	A	G	<i>WDR11</i>
10	122649483	A	G	<i>WDR11</i>
10	122663589	G	A	<i>WDR11</i>
10	122666300	T	G	<i>WDR11</i>
10	123310871	A	G	<i>FGFR2</i>
10	123325158	G	A	<i>FGFR2</i>
10	123596282	T	C	<i>ATE1</i>
10	123662106	A	G	<i>ATE1</i>
10	123670505	G	A	<i>ATE1</i>
10	123719026	C	T	<i>NSMCE4A</i>
10	123842467	C	T	<i>TACC2</i>
10	123842755	A	C	<i>TACC2</i>
10	123843357	G	T	<i>TACC2</i>
10	123843470	C	A	<i>TACC2</i>
10	123844172	G	T	<i>TACC2</i>
10	123844894	G	A	<i>TACC2</i>
10	123845115	G	A	<i>TACC2</i>
10	123845149	C	T	<i>TACC2</i>
10	123845211	G	A	<i>TACC2</i>
10	123845322	T	C	<i>TACC2</i>
10	123846288	G	A	<i>TACC2</i>
10	123846421	G	A	<i>TACC2</i>
10	123846703	C	G	<i>TACC2</i>
10	123903133	G	A	<i>TACC2</i>
10	123903149	C	T	<i>TACC2</i>
10	123970097	G	A	<i>TACC2</i>
10	123970530	T	C	<i>TACC2</i>
10	123970569	C	T	<i>TACC2</i>
10	123970722	T	C	<i>TACC2</i>
10	123970722	T	A	<i>TACC2</i>
10	123976242	C	T	<i>TACC2</i>
10	123988931	G	C	<i>TACC2</i>
10	123996970	G	A	<i>TACC2</i>

10	123996976	G	A	TACC2
10	124009124	G	C	TACC2
10	124036328	G	A	BTBD16
10	124036348	C	T	BTBD16
10	124089036	G	A	BTBD16
10	124090711	C	T	BTBD16
10	124096160	A	G	BTBD16
10	124175436	G	A	PLEKHA1
10	124189197	A	G	PLEKHA1
10	124214355	C	T	ARMS2
10	124214448	G	T	ARMS2
10	124329710	C	A	DMBT1
10	124389857	C	T	DMBT1
10	124391388	C	T	DMBT1
10	124399763	G	A	DMBT1
10	124399814	C	T	DMBT1
10	124457452	C	T	C10orf120
10	124457686	G	A	C10orf120
10	124459248	G	T	C10orf120
10	124596472	C	T	CUZD1
10	124597013	T	C	CUZD1
10	124697497	A	G	C10orf88
10	124740113	C	T	PSTK
10	124742895	G	C	PSTK
10	124806770	A	G	ACADSB
10	124812635	A	C	ACADSB
10	124896817	G	A	HMX3
10	124909372	C	G	HMX2
10	125506329	G	A	CPXM2
10	125651063	T	C	CPXM2
10	126136378	T	C	NKX1
10	126172791	G	A	LHPP
10	126172863	A	G	LHPP
10	126205767	G	A	LHPP
10	126311908	G	A	FAM53B
10	126370517	G	C	FAM53B
10	126463351	C	T	METTL10
10	126523143	C	T	FAM175B
10	126631562	A	C	ZRANB1
10	126714714	G	C	CTBP2
10	126715154	A	G	CTBP2
10	126715159	-	GCCGCAGGCT	CTBP2
10	126715245	C	G	CTBP2

10	126715436	C	T	<i>CTBP2</i>
10	126715629	C	T	<i>CTBP2</i>
10	126715692	C	T	<i>CTBP2</i>
10	126715804	CT	-	<i>CTBP2</i>
10	126715878	T	C	<i>CTBP2</i>
10	127350519	T	C	<i>TEX36</i>
10	127350536	A	T	<i>TEX36</i>
10	127414334	C	T	<i>EDRF1</i>
10	127441439	G	A	<i>EDRF1</i>
10	127459094	T	C	<i>MMP21</i>
10	127464290	G	A	<i>MMP21</i>
10	127496038	T	A	<i>UROS</i>
10	127668854	G	C	<i>FANK1</i>
10	127668864	GAA	-	<i>FANK1</i>
10	127677226	G	A	<i>FANK1</i>
10	127684052	G	A	<i>FANK1</i>
10	127685987	A	G	<i>FANK1</i>
10	127693479	A	G	<i>FANK1</i>
10	127697954	T	G	<i>FANK1</i>
10	127697997	G	T	<i>FANK1</i>
10	127705856	T	C	<i>ADAM12</i>
10	127737958	T	C	<i>ADAM12</i>
10	127967532	C	T	<i>ADAM12</i>
10	128019025	C	A	<i>ADAM12</i>
10	128019025	C	G	<i>ADAM12</i>
10	128147738	G	A	<i>C10orf90</i>
10	128150096	G	T	<i>C10orf90</i>
10	128153292	C	A	<i>C10orf90</i>
10	128192895	-	CGA	<i>C10orf90</i>
10	128192985	C	T	<i>C10orf90</i>
10	128193125	C	T	<i>C10orf90</i>
10	128193579	T	C	<i>C10orf90</i>
10	128904495	G	A	<i>DOCK1</i>
10	128973984	C	T	<i>FAM196A</i>
10	129217957	G	A	<i>DOCK1</i>
10	129242460	C	T	<i>DOCK1</i>
10	129249662	G	A	<i>DOCK1</i>
10	129347785	C	T	<i>NPS</i>
10	129350856	G	C	<i>NPS</i>
10	129676579	C	T	<i>CLRN3</i>
10	129690826	A	T	<i>CLRN3</i>
10	129690837	G	T	<i>CLRN3</i>
10	129868686	A	G	<i>PTPRE</i>

10	129875891	G	A	<i>PTPRE</i>
10	129899578	T	C	<i>MKI67</i>
10	129899778	G	C	<i>MKI67</i>
10	129899922	T	C	<i>MKI67</i>
10	129901066	C	A	<i>MKI67</i>
10	129901393	T	C	<i>MKI67</i>
10	129901501	G	C	<i>MKI67</i>
10	129901726	C	T	<i>MKI67</i>
10	129901747	C	T	<i>MKI67</i>
10	129901762	G	A	<i>MKI67</i>
10	129901825	T	C	<i>MKI67</i>
10	129901853	C	T	<i>MKI67</i>
10	129902131	T	C	<i>MKI67</i>
10	129902281	G	A	<i>MKI67</i>
10	129902368	T	A	<i>MKI67</i>
10	129903016	T	C	<i>MKI67</i>
10	129903592	G	A	<i>MKI67</i>
10	129903802	A	G	<i>MKI67</i>
10	129904286	G	A	<i>MKI67</i>
10	129904474	G	A	<i>MKI67</i>
10	129904477	C	T	<i>MKI67</i>
10	129904654	C	G	<i>MKI67</i>
10	129905239	G	A	<i>MKI67</i>
10	129905774	G	A	<i>MKI67</i>
10	129905896	T	A	<i>MKI67</i>
10	129905906	C	A	<i>MKI67</i>
10	129906364	G	A	<i>MKI67</i>
10	129906980	C	T	<i>MKI67</i>
10	129907544	G	C	<i>MKI67</i>
10	129907610	G	A	<i>MKI67</i>
10	129910047	T	C	<i>MKI67</i>
10	129910064	A	G	<i>MKI67</i>
10	129910475	T	G	<i>MKI67</i>
10	129911856	C	G	<i>MKI67</i>
10	129913960	A	T	<i>MKI67</i>
10	129914025	C	T	<i>MKI67</i>
10	129914787	C	T	<i>MKI67</i>
10	129917560	T	C	<i>MKI67</i>
10	131506283	C	T	<i>MGMT</i>
10	131565170	A	G	<i>MGMT</i>
10	131959150	C	T	<i>GLRX3</i>
10	132891465	C	T	<i>TCERG1L</i>
10	132961454	C	T	<i>TCERG1L</i>

10	133107496	C	T	TCERG1L
10	133761285	G	A	PPP2R2D
10	133946942	C	T	JAKMIP3
10	133955427	A	G	JAKMIP3
10	133963499	C	T	JAKMIP3
10	133967278	G	A	JAKMIP3
10	133976801	G	T	JAKMIP3
10	134013974	C	A	DPYSL4
10	134188640	C	T	LRRC27
10	134218713	C	T	PWWP2B
10	134230570	C	T	PWWP2B
10	134459388	A	G	INPP5A
10	134622104	G	A	CFAP46
10	134622112	G	A	CFAP46
10	134626293	C	A	CFAP46
10	134627760	T	C	CFAP46
10	134646988	C	T	CFAP46
10	134648279	C	T	CFAP46
10	134659626	A	G	CFAP46
10	134663846	G	A	CFAP46
10	134672609	C	T	CFAP46
10	134680995	C	T	CFAP46
10	134682833	C	T	CFAP46
10	134694526	A	G	CFAP46
10	134698750	C	T	CFAP46
10	134699391	T	C	CFAP46
10	134722741	T	C	CFAP46
10	134726261	A	C	CFAP46
10	134732863	A	G	CFAP46
10	134736019	G	T	CFAP46
10	134736052	G	T	CFAP46
10	134736060	G	T	CFAP46
10	134736076	T	G	CFAP46
10	134736204	G	A	CFAP46
10	134748281	G	A	CFAP46
10	134748331	C	T	CFAP46
10	134750538	C	T	CFAP46
10	134942615	G	A	ADGRA1
10	134980918	C	T	KNDC1
10	134996869	G	T	KNDC1
10	134999543	G	A	KNDC1
10	134999607	G	A	KNDC1
10	134999646	C	T	KNDC1

10	135010568	G	A	<i>KNDC1</i>
10	135010635	G	A	<i>KNDC1</i>
10	135012162	T	C	<i>KNDC1</i>
10	135012612	C	T	<i>KNDC1</i>
10	135012672	G	A	<i>KNDC1</i>
10	135015185	C	T	<i>KNDC1</i>
10	135020707	G	A	<i>KNDC1</i>
10	135051543	T	C	<i>VENTX</i>
10	135051653	A	G	<i>VENTX</i>
10	135053721	C	A	<i>VENTX</i>
10	135053773	G	A	<i>VENTX</i>
10	135053784	A	G	<i>VENTX</i>
10	135077265	A	G	<i>ADAM8</i>
10	135082346	A	G	<i>ADAM8</i>
10	135084006	AT	-	<i>ADAM8</i>
10	135084732	G	A	<i>ADAM8</i>
10	135085325	A	G	<i>ADAM8</i>
10	135086073	T	C	<i>ADAM8</i>
10	135087305	G	A	<i>ADAM8</i>
10	135087521	G	A	<i>ADAM8</i>
10	135099030	C	T	<i>TUBGCP2</i>
10	135106072	G	A	<i>TUBGCP2</i>
10	135113056	C	T	<i>TUBGCP2</i>
10	135123377	T	C	<i>ZNF511</i>
10	135139570	C	T	<i>CALY</i>
10	135165602	GAG	-	<i>PRAP1</i>
10	135165623	G	A	<i>PRAP1</i>
10	135165790	A	G	<i>PRAP1</i>
10	135168935	G	A	<i>FUOM</i>
10	135197650	C	T	<i>PAOX</i>
10	135204872	C	T	<i>PAOX</i>
10	135204950	C	G	<i>PAOX</i>
10	135209255	T	G	<i>MTG1</i>
10	135233541	A	G	<i>MTG1</i>
10	135345657	G	A	<i>CYP2E1</i>
10	135345675	G	A	<i>CYP2E1</i>
10	135351264	G	A	<i>CYP2E1</i>
10	135368590	T	C	<i>SYCE1</i>
10	135369532	T	C	<i>SYCE1</i>
10	135370639	C	A	<i>SYCE1</i>
10	135371369	T	C	<i>SYCE1</i>
11	193797	G	C	<i>SCGB1C1</i>
11	200020	T	C	<i>ODF3</i>

11	211203	G	A	<i>RIC8A</i>
11	224194	C	T	<i>SIRT3</i>
11	230474	G	T	<i>SIRT3</i>
11	233067	C	T	<i>SIRT3</i>
11	236091	G	A	<i>SIRT3</i>
11	236094	A	G	<i>SIRT3</i>
11	237087	A	G	<i>PSMD13</i>
11	244106	A	G	<i>PSMD13</i>
11	244108	A	G	<i>PSMD13</i>
11	244115	G	A	<i>PSMD13</i>
11	244129	C	T	<i>PSMD13</i>
11	244141	G	A	<i>PSMD13</i>
11	247329	C	T	<i>PSMD13</i>
11	280816	A	T	<i>NLRP6</i>
11	281692	G	C	<i>NLRP6</i>
11	284477	T	C	<i>NLRP6</i>
11	284503	C	T	<i>NLRP6</i>
11	290494	C	T	<i>ATHL1</i>
11	292060	G	A	<i>ATHL1</i>
11	292962	A	C	<i>ATHL1</i>
11	292973	A	G	<i>ATHL1</i>
11	293878	C	T	<i>ATHL1</i>
11	293914	G	A	<i>ATHL1</i>
11	299411	C	G	<i>IFITM5</i>
11	314207	C	G	<i>IFITM1</i>
11	372157	C	T	<i>B4GALNT4</i>
11	405958	C	G	<i>SIGIRR</i>
11	406483	T	C	<i>SIGIRR</i>
11	407083	G	C	<i>SIGIRR</i>
11	407954	G	C	<i>SIGIRR</i>
11	408174	G	T	<i>SIGIRR</i>
11	428385	A	G	<i>ANO9</i>
11	428489	T	C	<i>ANO9</i>
11	430339	C	G	<i>ANO9</i>
11	433357	G	-	<i>ANO9</i>
11	433357	G	T	<i>ANO9</i>
11	433357	G	-	<i>ANO9</i>
11	433357	G	C	<i>ANO9</i>
11	433387	A	G	<i>ANO9</i>
11	433393	G	A	<i>ANO9</i>
11	433417	C	T	<i>ANO9</i>
11	433867	G	A	<i>ANO9</i>
11	433873	C	T	<i>ANO9</i>

11	433904	C	T	ANO9
11	488541	G	A	PTDSS2
11	490035	C	T	PTDSS2
11	499066	C	T	RNH1
11	499120	G	A	RNH1
11	541601	G	C	LRRC56
11	549946	C	T	LRRC56
11	550192	C	A	LRRC56
11	551204	C	T	LRRC56
11	551708	C	T	LRRC56
11	551741	C	T	LRRC56
11	551753	G	A	LRRC56
11	551768	C	A	LRRC56
11	552678	T	A	LRRC56
11	553971	G	A	LRRC56
11	554047	G	A	LRRC56
11	554166	C	G	LRRC56
11	556531	C	G	LMNTD2
11	558165	T	G	LMNTD2
11	558232	C	T	LMNTD2
11	558884	C	T	LMNTD2
11	562219	C	G	RASSF7
11	562408	T	C	RASSF7
11	562421	G	A	RASSF7
11	563400	C	T	RASSF7
11	607680	G	A	PHRF1
11	607687	A	G	PHRF1
11	608299	C	T	PHRF1
11	608503	GGACGCGCTC	-	PHRF1
11	608506	CGCGCTCTGG	(-	PHRF1
11	608507	G	-	PHRF1
11	608593	G	A	PHRF1
11	608997	C	T	PHRF1
11	609351	C	G	PHRF1
11	609577	C	T	PHRF1
11	610300	A	G	PHRF1
11	613208	T	C	IRF7
11	614212	C	T	IRF7
11	614243	C	T	IRF7
11	614318	T	C	IRF7
11	617383	C	T	CDHR5
11	617571	G	A	CDHR5
11	617593	G	C	CDHR5

11	618013	C	T	<i>CDHR5</i>
11	618998	G	A	<i>CDHR5</i>
11	619789	T	G	<i>CDHR5</i>
11	621826	T	G	<i>CDHR5</i>
11	621883	C	T	<i>CDHR5</i>
11	686935	T	C	<i>DEAF1</i>
11	700182	G	A	<i>TMEM80</i>
11	709567	G	A	<i>EPS8L2</i>
11	722411	-	CTG	<i>EPS8L2</i>
11	723311	C	T	<i>EPS8L2</i>
11	726978	C	G	<i>EPS8L2</i>
11	764414	A	G	<i>TALDO1</i>
11	788282	C	T	<i>CEND1</i>
11	800213	C	T	<i>PIDD1</i>
11	802379	T	C	<i>PIDD1</i>
11	803401	G	A	<i>PIDD1</i>
11	803528	C	A	<i>PIDD1</i>
11	823729	C	T	<i>PNPLA2</i>
11	824021	C	T	<i>PNPLA2</i>
11	830670	G	T	<i>CRACR2B</i>
11	862716	AGG	-	<i>TSPAN4</i>
11	866625	G	A	<i>TSPAN4</i>
11	870446	G	A	<i>CHID1</i>
11	870467	C	T	<i>CHID1</i>
11	900078	C	T	<i>CHID1</i>
11	988619	A	G	<i>AP2A2</i>
11	1013601	C	T	<i>MUC6</i>
11	1016145	G	T	<i>MUC6</i>
11	1017336	G	C	<i>MUC6</i>
11	1029320	C	T	<i>MUC6</i>
11	1031058	-	G	<i>MUC6</i>
11	1075747	T	C	<i>MUC2</i>
11	1078456	C	T	<i>MUC2</i>
11	1079757	G	A	<i>MUC2</i>
11	1080365	C	T	<i>MUC2</i>
11	1080391	G	A	<i>MUC2</i>
11	1080881	ACA	-	<i>MUC2</i>
11	1080917	C	G	<i>MUC2</i>
11	1081074	T	C	<i>MUC2</i>
11	1081112	G	C	<i>MUC2</i>
11	1081483	C	T	<i>MUC2</i>
11	1081757	G	C	<i>MUC2</i>
11	1083178	C	T	<i>MUC2</i>

11	1085798	G	A	<i>MUC2</i>
11	1088835	C	T	<i>MUC2</i>
11	1093643	C	T	<i>MUC2</i>
11	1093709	C	T	<i>MUC2</i>
11	1093769	G	A	<i>MUC2</i>
11	1094761	C	A	<i>MUC2</i>
11	1096498	C	T	<i>MUC2</i>
11	1097336	G	A	<i>MUC2</i>
11	1097749	A	C	<i>MUC2</i>
11	1097784	G	A	<i>MUC2</i>
11	1101078	A	G	<i>MUC2</i>
11	1102090	C	T	<i>MUC2</i>
11	1103270	G	A	<i>MUC2</i>
11	1103313	T	G	<i>MUC2</i>
11	1103562	T	A	<i>MUC2</i>
11	1246941	A	G	<i>MUC5B</i>
11	1247458	C	T	<i>MUC5B</i>
11	1248001	G	A	<i>MUC5B</i>
11	1248994	G	A	<i>MUC5B</i>
11	1252215	C	T	<i>MUC5B</i>
11	1253691	C	T	<i>MUC5B</i>
11	1254407	G	A	<i>MUC5B</i>
11	1262189	C	T	<i>MUC5B</i>
11	1263523	G	A	<i>MUC5B</i>
11	1263757	A	G	<i>MUC5B</i>
11	1263776	C	T	<i>MUC5B</i>
11	1267076	C	T	<i>MUC5B</i>
11	1267093	G	A	<i>MUC5B</i>
11	1267115	C	A	<i>MUC5B</i>
11	1267120	G	A	<i>MUC5B</i>
11	1272696	-	TCCACGGCCAC	<i>MUC5B</i>
11	1272696	-	TCCACGGCCAC	<i>MUC5B</i>
11	1272709	G	A	<i>MUC5B</i>
11	1272754	A	G	<i>MUC5B</i>
11	1272793	C	T	<i>MUC5B</i>
11	1272797	G	T	<i>MUC5B</i>
11	1272800	C	T	<i>MUC5B</i>
11	1273605	G	A	<i>MUC5B</i>
11	1275472	C	T	<i>MUC5B</i>
11	1275988	T	C	<i>MUC5B</i>
11	1276006	G	A	<i>MUC5B</i>
11	1276432	G	T	<i>MUC5B</i>
11	1278796	G	A	<i>MUC5B</i>

11	1280238	G	A	<i>MUC5B</i>
11	1281933	G	A	<i>MUC5B</i>
11	1311489	C	T	<i>TOLLIP</i>
11	1477642	G	C	<i>BRSK2</i>
11	1605740	G	C	<i>KRTAP5</i>
11	1629261	C	A	<i>KRTAP5</i>
11	1629300	C	A	<i>KRTAP5</i>
11	1718833	T	G	<i>KRTAP5</i>
11	1771672	TC	-	<i>IFITM10</i>
11	1775352	C	T	<i>CTSD</i>
11	1782594	G	A	<i>CTSD</i>
11	1856344	C	A	<i>SYT8</i>
11	1856615	C	T	<i>SYT8</i>
11	1857153	G	A	<i>SYT8</i>
11	1857173	T	C	<i>SYT8</i>
11	1857751	C	G	<i>SYT8</i>
11	1858041	G	A	<i>SYT8</i>
11	1858077	G	A	<i>SYT8</i>
11	1858262	C	T	<i>SYT8</i>
11	1858572	C	T	<i>SYT8</i>
11	1858632	C	T	<i>SYT8</i>
11	1887763	C	G	<i>LSP1</i>
11	1887771	G	C	<i>LSP1</i>
11	1902768	G	A	<i>LSP1</i>
11	1905554	GTCT	-	<i>LSP1</i>
11	1972143	G	A	<i>MRPL23</i>
11	1972199	C	T	<i>MRPL23</i>
11	1972205	G	A	<i>MRPL23</i>
11	1974029	G	A	<i>MRPL23</i>
11	1977552	G	A	<i>MRPL23</i>
11	2190951	C	T	<i>TH</i>
11	2193001	C	T	<i>TH</i>
11	2320865	-	G	<i>C11orf21</i>
11	2323022	C	T	<i>C11orf21</i>
11	2335748	C	T	<i>TSPAN32</i>
11	2335749	G	A	<i>TSPAN32</i>
11	2339142	TC	-	<i>TSPAN32</i>
11	2423913	A	C	<i>TSSC4</i>
11	2424275	G	A	<i>TSSC4</i>
11	2424541	C	G	<i>TSSC4</i>
11	2424684	A	C	<i>TSSC4</i>
11	2432666	C	T	<i>TRPM5</i>
11	2434770	T	C	<i>TRPM5</i>

11	2436411	G	T	<i>TRPM5</i>
11	2437185	C	T	<i>TRPM5</i>
11	2438963	C	A	<i>TRPM5</i>
11	2439033	G	T	<i>TRPM5</i>
11	2439767	T	C	<i>TRPM5</i>
11	2608850	G	T	<i>KCNQ1</i>
11	2909717	T	G	<i>SLC22A18AS</i>
11	2920666	C	T	<i>SLC22A18AS</i>
11	2920820	G	A	<i>SLC22A18AS</i>
11	2924610	G	A	<i>SLC22A18</i>
11	2924640	G	A	<i>SLC22A18</i>
11	2929502	G	T	<i>SLC22A18</i>
11	2943671	G	C	<i>SLC22A18</i>
11	2946317	C	T	<i>SLC22A18</i>
11	2999567	G	C	<i>NAP1L4</i>
11	3050622	G	A	<i>CARS</i>
11	3059360	C	A	<i>CARS</i>
11	3111866	C	T	<i>OSBPL5</i>
11	3113696	G	A	<i>OSBPL5</i>
11	3114190	C	T	<i>OSBPL5</i>
11	3141734	C	T	<i>OSBPL5</i>
11	3239878	C	G	<i>MRGPRG</i>
11	3249552	C	T	<i>MRGPRE</i>
11	3249681	C	T	<i>MRGPRE</i>
11	3249842	A	G	<i>MRGPRE</i>
11	3249984	C	T	<i>MRGPRE</i>
11	3381369	G	C	<i>ZNF195</i>
11	3659993	G	T	<i>ART5</i>
11	3660914	A	G	<i>ART5</i>
11	3661129	C	T	<i>ART5</i>
11	3661543	T	C	<i>ART5</i>
11	3680974	T	G	<i>ART1</i>
11	3681054	G	A	<i>ART1</i>
11	3681063	C	T	<i>ART1</i>
11	3681156	G	A	<i>ART1</i>
11	3681309	G	A	<i>ART1</i>
11	3687651	C	T	<i>CHRNA10</i>
11	3720483	T	C	<i>NUP98</i>
11	3723781	G	C	<i>NUP98</i>
11	3733840	G	A	<i>NUP98</i>
11	3849236	C	T	<i>RHOG</i>
11	4112541	C	T	<i>STIM1</i>
11	4132858	A	T	<i>RRM1</i>

11	4148356	G	A	<i>RRM1</i>
11	4154851	T	C	<i>RRM1</i>
11	4389110	G	A	<i>OR52B4</i>
11	4389405	G	-	<i>OR52B4</i>
11	4406607	A	T	<i>TRIM21</i>
11	4411471	G	A	<i>TRIM21</i>
11	4411527	T	C	<i>TRIM21</i>
11	4471469	A	C	<i>OR52K2</i>
11	4471473	C	T	<i>OR52K2</i>
11	4471500	A	G	<i>OR52K2</i>
11	4510285	A	G	<i>OR52K1</i>
11	4510327	C	T	<i>OR52K1</i>
11	4510342	T	C	<i>OR52K1</i>
11	4566684	G	A	<i>OR52M1</i>
11	4567130	G	A	<i>OR52M1</i>
11	4567235	C	G	<i>OR52M1</i>
11	4592708	-	AG	<i>C11orf40</i>
11	4592718	C	A	<i>C11orf40</i>
11	4593411	G	A	<i>C11orf40</i>
11	4598956	C	T	<i>C11orf40</i>
11	4608116	T	C	<i>OR52I2</i>
11	4608542	C	T	<i>OR52I2</i>
11	4608564	GAGTATG	-	<i>OR52I2</i>
11	4621594	C	T	<i>TRIM68</i>
11	4621639	C	T	<i>TRIM68</i>
11	4661243	T	C	<i>OR51D1</i>
11	4661280	C	T	<i>OR51D1</i>
11	4661285	A	G	<i>OR51D1</i>
11	4661826	T	C	<i>OR51D1</i>
11	4674343	G	A	<i>OR51E1</i>
11	4703607	G	C	<i>OR51E2</i>
11	4790386	G	T	<i>OR51F1</i>
11	4790396	G	A	<i>OR51F1</i>
11	4790471	G	A	<i>OR51F1</i>
11	4790474	T	C	<i>OR51F1</i>
11	4790874	G	-	<i>OR51F1</i>
11	4790874	G	-	<i>OR51F1</i>
11	4790948	C	A	<i>OR51F1</i>
11	4790951	A	G	<i>OR51F1</i>
11	4824878	A	C	<i>OR52R1</i>
11	4825010	T	A	<i>OR52R1</i>
11	4825211	G	A	<i>OR52R1</i>
11	4825225	A	G	<i>OR52R1</i>

11	4825349	A	G	OR52R1
11	4825530	C	G	OR52R1
11	4842772	G	A	OR51F2
11	4842839	A	G	OR51F2
11	4842862	A	G	OR51F2
11	4842866	A	G	OR51F2
11	4842914	G	T	OR51F2
11	4869582	A	C	OR51S1
11	4869649	G	A	OR51S1
11	4869658	G	T	OR51S1
11	4869792	A	G	OR51S1
11	4870261	G	C	OR51S1
11	4870269	A	T	OR51S1
11	4870284	G	C	OR51S1
11	4903500	G	A	OR51T1
11	4903673	-	ACCACCCC	OR51T1
11	4904082	A	G	OR51T1
11	4928691	T	C	OR51A7
11	4928841	T	C	OR51A7
11	4929362	A	G	OR51A7
11	4936284	C	T	OR51G2
11	4936613	G	T	OR51G2
11	4944666	G	A	OR51G1
11	4944986	A	G	OR51G1
11	4945196	T	G	OR51G1
11	4945199	C	T	OR51G1
11	4945236	T	C	OR51G1
11	4945266	G	A	OR51G1
11	4945357	TG	-	OR51G1
11	4967468	G	A	OR51A4
11	4967532	G	C	OR51A4
11	5012646	G	A	MMP26
11	5020799	C	T	OR51L1
11	5020832	C	T	OR51L1
11	5020933	A	T	OR51L1
11	5021055	C	G	OR51L1
11	5021117	G	C	OR51L1
11	5067817	G	A	OR52J3
11	5067984	A	G	OR52J3
11	5068137	G	A	OR52J3
11	5068177	A	T	OR52J3
11	5068297	G	A	OR52J3
11	5068425	C	T	OR52J3

11	5068431	G	A	OR52J3
11	5080181	A	G	OR52E2
11	5080337	T	C	OR52E2
11	5080359	G	A	OR52E2
11	5153053	A	G	OR52A5
11	5153175	T	C	OR52A5
11	5172786	A	G	OR52A1
11	5172795	-	C	OR52A1
11	5173149	C	A	OR52A1
11	5173229	C	T	OR52A1
11	5221008	A	C	OR51V1
11	5221132	G	A	OR51V1
11	5221533	A	G	OR51V1
11	5221825	G	A	OR51V1
11	5247859	G	C	HBB
11	5247880	T	C	HBB
11	5247892	G	T	HBB
11	5247893	C	T	HBB
11	5247899	-	GTT	HBB
11	5247903	ACT	-	HBB
11	5254219	T	G	HBD
11	5255582	C	A	HBD
11	5322624	C	T	OR51B4
11	5322737	A	G	OR51B4
11	5323071	C	T	OR51B4
11	5344681	G	A	OR51B2
11	5345128	G	A	OR51B2
11	5345170	A	G	OR51B2
11	5364030	T	C	OR51B5
11	5364049	G	C	OR51B5
11	5364276	G	A	OR51B5
11	5364295	C	T	OR51B5
11	5364471	C	G	OR51B5
11	5364493	T	C	OR51B5
11	5364503	C	A	OR51B5
11	5364522	G	T	OR51B5
11	5364542	CAGCCCCAGG ⁻	-	OR51B5
11	5364545	C	-	OR51B5
11	5364548	C	-	OR51B5
11	5364557	G	-	OR51B5
11	5372856	A	G	OR51B6
11	5373006	T	C	OR51B6
11	5373095	T	C	OR51B6

11	5373104	A	G	OR51B6
11	5373111	G	A	OR51B6
11	5373114	G	A	OR51B6
11	5373124	A	C	OR51B6
11	5373129	C	T	OR51B6
11	5373170	C	G	OR51B6
11	5373242	T	G	OR51B6
11	5373251	C	T	OR51B6
11	5373309	C	A	OR51B6
11	5373311	T	C	OR51B6
11	5373497	G	C	OR51B6
11	5373562	C	A	OR51B6
11	5410769	C	G	OR51M1
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11	6129837	C	T	OR56B4
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11	6221214	T	A	OR52W1
11	6221249	A	G	OR52W1
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11	6238663	G	A	FAM160A2
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11	6239344	G	A	FAM160A2
11	6239890	G	A	FAM160A2
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11	6262909	G	A	CNGA4
11	6265242	G	C	CNGA4
11	6265449	G	A	CNGA4
11	6265533	T	G	CNGA4
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11	6622241	C	T	RRP8
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11	6630542	C	T	ILK
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11	6644427	C	G	DCHS1
11	6646584	C	T	DCHS1
11	6647497	G	A	DCHS1
11	6648424	G	A	DCHS1

11	6648767	G	A	<i>DCHS1</i>
11	6653585	C	G	<i>DCHS1</i>
11	6655399	G	C	<i>DCHS1</i>
11	6661299	C	T	<i>DCHS1</i>
11	6661600	G	T	<i>DCHS1</i>
11	6662466	C	T	<i>DCHS1</i>
11	6789492	C	T	<i>OR2AG2</i>
11	6790028	C	G	<i>OR2AG2</i>
11	6790106	T	C	<i>OR2AG2</i>
11	6806827	G	T	<i>OR2AG1</i>
11	6816149	T	A	<i>OR6A2</i>
11	6816792	T	C	<i>OR6A2</i>
11	6816818	G	T	<i>OR6A2</i>
11	6816872	G	T	<i>OR6A2</i>
11	6867671	A	G	<i>OR10A5</i>
11	6891385	G	A	<i>OR10A2</i>
11	6891758	A	C	<i>OR10A2</i>
11	6898495	T	C	<i>OR10A4</i>
11	6898540	G	A	<i>OR10A4</i>
11	6898789	G	A	<i>OR10A4</i>
11	6913127	A	G	<i>OR2D2</i>
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11	6913244	A	G	<i>OR2D2</i>
11	6913281	T	C	<i>OR2D2</i>
11	6913290	A	G	<i>OR2D2</i>
11	6942476	C	A	<i>OR2D3</i>
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11	6942695	C	T	<i>OR2D3</i>
11	6942726	G	C	<i>OR2D3</i>
11	6953858	A	G	<i>ZNF215</i>
11	6962879	C	T	<i>ZNF215</i>
11	6964873	G	A	<i>ZNF215</i>
11	6976984	G	A	<i>ZNF215</i>
11	6977109	T	C	<i>ZNF215</i>
11	6977175	G	C	<i>ZNF215</i>
11	6977325	C	A	<i>ZNF215</i>
11	6977334	A	G	<i>ZNF215</i>
11	7021206	G	A	<i>ZNF214</i>
11	7021922	T	C	<i>ZNF214</i>
11	7022160	A	G	<i>ZNF214</i>
11	7022360	A	C	<i>ZNF214</i>
11	7022463	C	T	<i>ZNF214</i>
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11	7079038	G	A	NLRP14
11	7083610	T	A	NLRP14
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11	7091569	C	T	NLRP14
11	7092474	T	A	NLRP14
11	7110548	C	T	RBMXL2
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11	7509437	T	G	OLFML1
11	7509566	A	T	OLFML1
11	7530985	G	A	OLFML1
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11	7647098	C	T	PPFIBP2
11	7661048	CTC	-	PPFIBP2
11	7669736	T	A	PPFIBP2
11	7670440	A	G	PPFIBP2
11	7672906	C	G	PPFIBP2
11	7673029	T	C	PPFIBP2
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11	7694002	G	A	CYB5R2
11	7694013	T	G	CYB5R2
11	7712523	G	A	OVCH2
11	7712561	T	A	OVCH2
11	7717257	C	T	OVCH2
11	7721870	G	A	OVCH2
11	7721974	C	T	OVCH2
11	7727872	T	C	OVCH2
11	7727886	C	T	OVCH2
11	7817538	T	C	OR5P2
11	7817852	C	G	OR5P2
11	7817856	C	T	OR5P2
11	7818056	T	C	OR5P2

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11	7818390	-	ACCAGGTA	OR5P2
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11	7847129	G	A	OR5P3
11	7847194	G	A	OR5P3
11	7847458	G	A	OR5P3
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11	7949791	A	C	OR10A6
11	7949860	G	A	OR10A6
11	7949861	C	T	OR10A6
11	7960232	G	A	OR10A3
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11	7981261	C	T	NLRP10
11	8118874	A	G	TUB
11	8119298	A	G	TUB
11	8122059	G	A	TUB
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11	8132421	C	T	RIC3
11	8148287	C	A	RIC3
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11	8159884	C	G	RIC3
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11	8190463	T	C	RIC3
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11	8662516	T	C	TRIM66
11	8662649	A	G	TRIM66
11	8667343	A	G	TRIM66

11	8668082	C	T	<i>TRIM66</i>
11	8724191	A	G	<i>ST5</i>
11	8739379	C	T	<i>ST5</i>
11	8751640	G	C	<i>ST5</i>
11	8751692	G	T	<i>ST5</i>
11	8752445	C	T	<i>ST5</i>
11	8752598	G	C	<i>ST5</i>
11	8933064	G	A	<i>AKIP1</i>
11	8942867	C	T	<i>C11orf16</i>
11	8942942	C	T	<i>C11orf16</i>
11	8942999	G	A	<i>C11orf16</i>
11	8947127	T	C	<i>C11orf16</i>
11	8947283	G	C	<i>C11orf16</i>
11	8947586	C	G	<i>C11orf16</i>
11	8953795	G	T	<i>C11orf16</i>
11	8959545	C	A	<i>ASCL3</i>
11	9007342	G	A	<i>NRIP3</i>
11	9007384	C	T	<i>NRIP3</i>
11	9068915	C	T	<i>SCUBE2</i>
11	9069032	C	T	<i>SCUBE2</i>
11	9069046	G	A	<i>SCUBE2</i>
11	9082068	G	A	<i>SCUBE2</i>
11	9225486	C	G	<i>DENND5A</i>
11	9286536	C	A	<i>DENND5A</i>
11	9321173	A	G	<i>TMEM41B</i>
11	9534103	G	A	<i>ZNF143</i>
11	9597486	G	T	<i>WEE1</i>
11	9769562	C	G	<i>SWAP70</i>
11	9806845	T	A	<i>SBF2</i>
11	9879838	C	T	<i>SBF2</i>
11	10327547	C	G	<i>ADM</i>
11	10483275	A	G	<i>AMPD3</i>
11	10500134	G	A	<i>AMPD3</i>
11	10508808	A	G	<i>AMPD3</i>
11	10508903	G	T	<i>AMPD3</i>
11	10518373	C	T	<i>AMPD3</i>
11	10546851	T	C	<i>RNF141</i>
11	10580684	C	T	<i>LYVE1</i>
11	10580792	C	T	<i>LYVE1</i>
11	10585573	G	A	<i>LYVE1</i>
11	10603483	G	A	<i>MRVI1</i>
11	10626030	A	C	<i>MRVI1</i>
11	10647977	T	C	<i>MRVI1</i>

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11	10650367	G	A	MRVI1
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11	10673739	T	C	MRVI1
11	10800279	A	G	CTR9
11	10800579	A	G	CTR9
11	10822178	T	G	EIF4G2
11	10874481	C	T	ZBED5
11	10874853	C	T	ZBED5
11	10874862	T	A	ZBED5
11	10875055	T	C	ZBED5
11	10875370	A	G	ZBED5
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11	10876443	G	A	ZBED5
11	11348660	C	G	GALNT18
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11	11913585	G	T	USP47
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11	12379949	C	T	MICALCL
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11	13031958	G	A	RASSF10
11	13032511	G	C	RASSF10
11	13721960	G	A	FAR1
11	14666116	C	A	PDE3B
11	14666364	T	C	PDE3B
11	14889208	G	A	PDE3B
11	14891141	G	C	PDE3B
11	14989392	G	A	CALCA
11	14991539	T	C	CALCA
11	15170686	G	A	INSC
11	15199912	G	T	INSC
11	15243047	G	A	INSC
11	15243059	G	A	INSC
11	15247307	C	A	INSC
11	15257166	A	G	INSC
11	16824599	C	T	PLEKHA7
11	16848067	G	A	PLEKHA7
11	16863130	T	C	PLEKHA7
11	16863223	G	A	PLEKHA7
11	16863259	G	C	PLEKHA7
11	17118687	T	C	PIK3C2A
11	17158120	C	T	PIK3C2A
11	17190390	G	A	PIK3C2A
11	17190890	A	C	PIK3C2A
11	17191207	T	C	PIK3C2A
11	17352478	ACA	-	NUCB2
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11	17414570	C	T	ABCC8
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11	17470143	A	G	ABCC8
11	17517160	C	T	USH1C
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11	17574758	G	A	OTOG
11	17577384	TCT	-	OTOG
11	17578774	G	A	OTOG
11	17579765	A	G	OTOG
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11	17580175	A	T	OTOG
11	17581152	C	T	OTOG
11	17591922	C	T	OTOG
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11	17632192	T	C	OTOG
11	17632921	C	T	OTOG
11	17633764	G	A	OTOG
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11	17650687	T	C	OTOG
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11	17656444	C	T	OTOG
11	17656672	G	A	OTOG
11	17663416	G	A	OTOG
11	17663747	G	A	OTOG
11	17667125	C	T	OTOG
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11	18050850	C	T	TPH1
11	18057575	G	A	TPH1
11	18102014	G	A	SAAL1
11	18108504	T	G	SAAL1
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11	18158993	T	C	MRGPRX3
11	18159254	A	G	MRGPRX3
11	18195051	T	C	MRGPRX4
11	18253104	C	T	SAA2
11	18253176	C	T	SAA2
11	18254071	T	A	SAA2
11	18303533	G	A	HPS5
11	18305354	C	T	HPS5
11	18305355	C	T	HPS5
11	18306978	A	G	HPS5
11	18317571	C	A	HPS5
11	18318354	C	T	HPS5
11	18319180	G	T	HPS5
11	18332977	C	T	HPS5
11	18387342	A	G	GTF2H1
11	18418516	GTAA	-	LDHA
11	18456373	C	T	LDHC

11	18472525	A	G	LDHC
11	18487274	G	T	LDHAL6A
11	18541113	T	C	TSG101
11	18600283	T	C	UEVLD
11	18636481	C	T	SPTY2D1
11	18637063	G	A	SPTY2D1
11	18637499	TCT	-	SPTY2D1
11	18637520	T	C	SPTY2D1
11	18723210	C	T	TMEM86A
11	18726022	A	G	IGSF22
11	18727448	T	C	IGSF22
11	18728591	GAA	-	IGSF22
11	18729819	C	T	IGSF22
11	18735465	G	A	IGSF22
11	18735480	G	A	IGSF22
11	18735537	G	A	IGSF22
11	18735677	G	A	IGSF22
11	18735947	T	C	IGSF22
11	18737095	C	T	IGSF22
11	18738329	C	T	IGSF22
11	18740268	C	T	IGSF22
11	18740269	G	A	IGSF22
11	18741319	C	T	IGSF22
11	18741652	T	A	IGSF22
11	18743180	C	G	IGSF22
11	18745681	C	T	IGSF22
11	18745705	T	C	IGSF22
11	18765648	A	G	PTPN5
11	19077011	A	C	MRGPRX2
11	19077627	A	G	MRGPRX2
11	19077904	T	G	MRGPRX2
11	19167850	A	G	ZDHHC13
11	19184916	A	G	ZDHHC13
11	19184951	G	A	ZDHHC13
11	19213986	A	G	CSRP3
11	19247287	G	C	E2F8
11	19735396	A	G	NAV2
11	19854088	G	A	NAV2
11	19955194	G	C	NAV2
11	19955322	C	T	NAV2
11	20065673	G	T	NAV2
11	20070668	A	G	NAV2
11	20075661	A	G	NAV2

11	20104682	A	T	NAV2
11	20119135	C	A	NAV2
11	20119222	G	A	NAV2
11	20129311	G	A	NAV2
11	20177888	C	T	DBX1
11	20404613	T	G	HTATIP2
11	20413757	G	A	PRMT3
11	20429574	A	T	PRMT3
11	20529886	G	A	PRMT3
11	20622937	C	A	SLC6A5
11	20623042	T	C	SLC6A5
11	20639339	G	T	SLC6A5
11	20648364	G	C	SLC6A5
11	20648380	G	A	SLC6A5
11	20649626	A	T	SLC6A5
11	20676319	G	A	SLC6A5
11	20805286	G	A	NELL1
11	20907060	C	T	NELL1
11	20907061	G	A	NELL1
11	20949960	C	T	NELL1
11	20959394	C	T	NELL1
11	20968970	G	A	NELL1
11	21392425	G	A	NELL1
11	22239808	A	G	ANO5
11	22271870	A	T	ANO5
11	22294441	C	G	ANO5
11	22296266	C	T	ANO5
11	22301267	A	C	ANO5
11	22399259	C	G	SLC17A6
11	22646398	G	A	FANCF
11	22777416	C	T	GAS2
11	25098911	C	T	LUZP2
11	25098938	G	C	LUZP2
11	26463582	C	T	ANO3
11	26586801	G	A	MUC15
11	26586855	A	G	MUC15
11	26587018	C	T	MUC15
11	26700310	C	G	SLC5A12
11	26743240	C	T	SLC5A12
11	27016360	G	A	FIBIN
11	27148885	G	A	BBOX1
11	27148911	T	A	BBOX1
11	27362257	T	C	CCDC34

11	27362359	T	G	CCDC34
11	27371812	AAGTAT	-	CCDC34
11	27371911	G	T	CCDC34
11	27384429	C	T	CCDC34
11	27384449	TCATCCACGTC-		CCDC34
11	27384455	AC	-	CCDC34
11	27384585	G	A	CCDC34
11	27389739	T	C	LGR4
11	27390144	G	A	LGR4
11	27393886	G	A	LGR4
11	27398727	C	A	LGR4
11	27406950	C	T	LGR4
11	27679916	C	T	BDNF
11	27720937	C	T	BDNF
11	28057897	G	A	KIF18A
11	28057957	T	C	KIF18A
11	28106253	G	A	KIF18A
11	28110151	T	C	KIF18A
11	30253508	G	T	FSHB
11	30921166	C	T	DCDC5
11	30932903	C	T	DCDC5
11	30953328	G	A	DCDC5
11	30953348	C	A	DCDC5
11	31329373	C	T	DCDC1
11	31447864	A	G	DNAJC24
11	31484817	G	A	IMMP1L
11	31561287	T	C	ELP4
11	31625373	C	A	ELP4
11	31804978	G	C	ELP4
11	31805038	T	C	ELP4
11	32421544	A	G	WT1
11	32624385	G	A	CCDC73
11	32634988	A	C	CCDC73
11	32635078	G	A	CCDC73
11	32637635	G	C	CCDC73
11	32674757	A	G	CCDC73
11	32874919	C	A	PRRG4
11	32954344	G	A	QSER1
11	32954693	A	C	QSER1
11	32955122	A	G	QSER1
11	32955716	G	A	QSER1
11	32956492	C	T	QSER1
11	33049341	G	A	DEPDC7

11	33053036	A	G	DEPDC7
11	33054856	C	T	DEPDC7
11	33065414	C	T	TCP11L1
11	33079580	A	G	TCP11L1
11	33094059	C	T	TCP11L1
11	33308084	C	T	HIPK3
11	33308289	G	A	HIPK3
11	33566507	G	A	KIAA1549L
11	33596398	G	A	KIAA1549L
11	33631448	G	A	KIAA1549L
11	33680333	G	A	KIAA1549L
11	34129779	C	T	NAT10
11	34152939	T	C	NAT10
11	34154645	C	T	NAT10
11	34158274	G	A	NAT10
11	34165044	G	A	NAT10
11	34165053	G	A	NAT10
11	34174106	-	TGGT	ABTB2
11	34182457	G	T	ABTB2
11	34378381	G	C	ABTB2
11	34475387	C	T	CAT
11	34527245	C	T	ELF5
11	34910397	C	T	APIP
11	34916657	C	T	APIP
11	34937813	G	A	APIP
11	34938269	C	T	PDHX
11	34938272	C	G	PDHX
11	34969112	A	G	PDHX
11	34982064	G	C	PDHX
11	34988219	C	T	PDHX
11	34999682	G	C	PDHX
11	35226155	A	G	CD44
11	35227745	A	G	CD44
11	35229673	T	C	CD44
11	35243921	G	A	CD44
11	35250801	C	T	CD44
11	35327683	G	T	SLC1A2
11	35492293	G	A	PAMR1
11	35684963	GAGGAAGAGAC-		TRIM44
11	35684978	TCAGAGGAAGA-		TRIM44
11	35747665	A	G	TRIM44
11	36057742	G	A	LDLRAD3
11	36248676	C	G	LDLRAD3

11	36422702	G	A	<i>PRR5L</i>
11	36440836	A	G	<i>PRR5L</i>
11	36458997	A	G	<i>PRR5L</i>
11	36484167	C	T	<i>PRR5L</i>
11	36518785	A	G	<i>TRAF6</i>
11	36595579	A	G	<i>RAG1</i>
11	36595600	A	G	<i>RAG1</i>
11	36596200	G	A	<i>RAG1</i>
11	36597313	A	G	<i>RAG1</i>
11	36614521	C	G	<i>RAG2</i>
11	36614561	G	T	<i>RAG2</i>
11	36615697	C	T	<i>RAG2</i>
11	36680719	G	A	<i>C11orf74</i>
11	40136261	T	C	<i>LRRC4C</i>
11	40136506	G	A	<i>LRRC4C</i>
11	40137800	C	T	<i>LRRC4C</i>
11	40137835	T	G	<i>LRRC4C</i>
11	43425656	A	G	<i>TTC17</i>
11	43876698	C	T	<i>HSD17B12</i>
11	43905557	C	T	<i>ALKBH3</i>
11	43940595	A	G	<i>ALKBH3</i>
11	43940602	C	G	<i>ALKBH3</i>
11	44069719	G	A	<i>ACCSL</i>
11	44069734	A	G	<i>ACCSL</i>
11	44069804	G	A	<i>ACCSL</i>
11	44081393	C	T	<i>ACCSL</i>
11	44089352	G	A	<i>ACCS</i>
11	44098924	G	A	<i>ACCS</i>
11	44099413	C	T	<i>ACCS</i>
11	44102798	G	C	<i>ACCS</i>
11	44104981	C	T	<i>ACCS</i>
11	44193165	G	A	<i>EXT2</i>
11	44228435	G	A	<i>EXT2</i>
11	44254000	C	T	<i>EXT2</i>
11	44286555	G	A	<i>ALX4</i>
11	44331509	C	G	<i>ALX4</i>
11	44626709	G	A	<i>CD82</i>
11	44640268	A	G	<i>CD82</i>
11	44940828	G	A	<i>TSPAN18</i>
11	45204611	C	G	<i>PRDM11</i>
11	45226271	A	G	<i>PRDM11</i>
11	45274212	C	A	<i>SYT13</i>
11	45274235	C	T	<i>SYT13</i>

11	45307590	C	G	SYT13
11	45671452	G	A	CHST1
11	45832509	A	G	SLC35C1
11	45924057	C	T	MAPK8IP1
11	45928419	CCAT	-	C11orf94
11	45937306	C	T	PEX16
11	45949745	G	A	GYLTL1B
11	45950260	G	A	GYLTL1B
11	45955752	T	C	PHF21A
11	45975130	C	T	PHF21A
11	46342259	-	G	CREB3L1
11	46388011	G	T	DGKZ
11	46388933	G	A	DGKZ
11	46401108	C	G	DGKZ
11	46564927	G	C	AMBRA1
11	46637195	T	C	HARBI1
11	46671800	A	G	ATG13
11	46690413	G	A	ATG13
11	46723022	C	G	ZNF408
11	46724717	AGTGGTGACAC-	-	ZNF408
11	46745003	C	T	F2
11	46747447	G	A	F2
11	46801859	G	A	CKAP5
11	46880592	G	C	LRP4
11	46886077	A	T	LRP4
11	46893108	T	C	LRP4
11	46897434	T	C	LRP4
11	46897446	G	A	LRP4
11	46898771	T	C	LRP4
11	46900530	T	C	LRP4
11	46911956	T	C	LRP4
11	46917501	G	A	LRP4
11	47008768	A	G	C11orf49
11	47187044	C	T	ARFGAP2
11	47188411	C	T	ARFGAP2
11	47196821	T	C	ARFGAP2
11	47201115	G	A	PACSIN3
11	47261762	A	G	ACP2
11	47264353	G	C	ACP2
11	47270255	C	T	ACP2
11	47270313	G	A	ACP2
11	47304450	A	G	MADD
11	47306585	G	A	MADD

11	47306628	G	A	MADD
11	47306630	C	T	MADD
11	47312310	G	C	MADD
11	47315499	G	A	MADD
11	47354463	A	G	MYBPC3
11	47357479	C	T	MYBPC3
11	47359047	C	T	MYBPC3
11	47359101	TCT	-	MYBPC3
11	47362731	C	T	MYBPC3
11	47367871	C	T	MYBPC3
11	47370041	T	C	MYBPC3
11	47371414	C	T	MYBPC3
11	47371598	C	T	MYBPC3
11	47374186	C	G	MYBPC3
11	47431703	A	G	SLC39A13
11	47431728	A	G	SLC39A13
11	47431764	G	A	SLC39A13
11	47433573	C	T	SLC39A13
11	47433920	C	G	SLC39A13
11	47463254	C	T	RAPSN
11	47464284	C	T	RAPSN
11	47469631	G	T	RAPSN
11	47469654	A	G	RAPSN
11	47587452	C	T	PTPMT1
11	47593180	G	C	PTPMT1
11	47594541	C	T	KBTBD4
11	47599322	T	C	KBTBD4
11	47603733	G	C	NDUFS3
11	47644269	C	T	MTCH2
11	47701528	C	A	AGBL2
11	47711820	A	G	AGBL2
11	47745696	G	C	FNBP4
11	47767662	C	G	FNBP4
11	47772711	G	C	FNBP4
11	47776156	T	C	FNBP4
11	47834482	G	A	NUP160
11	47869855	C	A	NUP160
11	48145375	A	C	PTPRJ
11	48146622	G	A	PTPRJ
11	48149478	G	A	PTPRJ
11	48149491	G	A	PTPRJ
11	48149512	G	A	PTPRJ
11	48166267	G	C	PTPRJ

11	48238455	G	A	OR4B1
11	48238549	G	A	OR4B1
11	48239071	C	A	OR4B1
11	48266736	C	G	OR4X2
11	48267442	G	T	OR4X2
11	48285686	C	T	OR4X1
11	48285839	G	A	OR4X1
11	48285842	A	G	OR4X1
11	48285906	C	T	OR4X1
11	48285982	CTT	-	OR4X1
11	48286231	T	A	OR4X1
11	48286256	C	T	OR4X1
11	48346712	A	G	OR4C3
11	48346730	C	G	OR4C3
11	49227620	A	G	FOLH1
11	49229952	G	A	FOLH1
11	50003191	C	A	OR4C12
11	51411740	A	T	OR4A5
11	51411914	T	C	OR4A5
11	55035847	A	T	TRIM48
11	55110861	C	A	OR4A16
11	55110877	G	A	OR4A16
11	55110903	C	A	OR4A16
11	55111118	A	G	OR4A16
11	55111157	C	G	OR4A16
11	55111172	A	T	OR4A16
11	55111200	C	T	OR4A16
11	55111500	T	C	OR4A16
11	55135435	C	T	OR4A15
11	55136219	C	T	OR4A15
11	55321823	T	A	OR4C15
11	55322099	C	A	OR4C15
11	55322422	C	A	OR4C15
11	55322464	A	C	OR4C15
11	55322500	C	T	OR4C15
11	55322539	G	A	OR4C15
11	55322606	T	C	OR4C15
11	55322638	C	T	OR4C15
11	55322818	G	T	OR4C15
11	55339652	C	T	OR4C16
11	55339740	G	C	OR4C16
11	55339746	A	C	OR4C16
11	55339829	A	G	OR4C16

11	55339848	A	G	OR4C16
11	55340170	A	C	OR4C16
11	55340315	T	C	OR4C16
11	55340318	G	A	OR4C16
11	55340379	T	C	OR4C16
11	55340387	G	A	OR4C16
11	55340466	A	G	OR4C16
11	55433102	G	A	OR4C6
11	55433333	C	T	OR4C6
11	55540964	G	T	OR5D13
11	55541019	G	A	OR5D13
11	55541098	G	A	OR5D13
11	55541284	G	A	OR5D13
11	55541620	G	A	OR5D13
11	55541620	G	T	OR5D13
11	55563336	A	T	OR5D14
11	55563602	G	A	OR5D14
11	55563738	G	A	OR5D14
11	55563761	G	A	OR5D14
11	55563776	T	G	OR5D14
11	55563846	C	A	OR5D14
11	55579801	T	C	OR5L1
11	55587212	A	G	OR5D18
11	55587391	T	A	OR5D18
11	55587511	A	G	OR5D18
11	55587587	C	T	OR5D18
11	55587610	T	A	OR5D18
11	55595115	C	T	OR5L2
11	55595116	G	A	OR5L2
11	55595116	G	C	OR5L2
11	55606472	T	C	OR5D16
11	55681416	A	G	OR5W2
11	55681494	G	A	OR5W2
11	55681566	G	A	OR5W2
11	55681580	A	G	OR5W2
11	55681865	T	C	OR5W2
11	55681942	G	T	OR5W2
11	55702961	C	T	OR5I1
11	55703248	A	T	OR5I1
11	55703650	A	G	OR5I1
11	55703728	A	G	OR5I1
11	55735273	T	C	OR10AG1
11	55735649	C	A	OR10AG1

11	55735813	G	C	OR10AG1
11	55735848	A	G	OR10AG1
11	55735857	A	G	OR10AG1
11	55761251	A	G	OR5F1
11	55761281	G	A	OR5F1
11	55761528	T	C	OR5F1
11	55761593	T	C	OR5F1
11	55761734	T	A	OR5F1
11	55761867	G	A	OR5F1
11	55798259	G	A	OR5AS1
11	55798259	G	T	OR5AS1
11	55861153	A	G	OR8I2
11	55861234	A	G	OR8I2
11	55861297	A	G	OR8I2
11	55861307	A	-	OR8I2
11	55861484	A	C	OR8I2
11	55861523	T	C	OR8I2
11	55872832	C	T	OR8H2
11	55872990	G	C	OR8H2
11	55873024	A	G	OR8H2
11	55873026	G	T	OR8H2
11	55890320	G	C	OR8H3
11	55890432	C	G	OR8H3
11	55904382	A	C	OR8J3
11	55927442	T	C	OR8K5
11	55927584	A	T	OR8K5
11	55944242	A	T	OR5J2
11	55944250	T	A	OR5J2
11	55944467	C	T	OR5J2
11	56000288	G	A	OR5T2
11	56000471	G	A	OR5T2
11	56000600	G	T	OR5T2
11	56019770	C	T	OR5T3
11	56019925	T	G	OR5T3
11	56086147	T	G	OR8K3
11	56086299	G	A	OR8K3
11	56086560	C	T	OR8K3
11	56113516	T	C	OR8K1
11	56113575	A	G	OR8K1
11	56113593	C	A	OR8K1
11	56113764	G	A	OR8K1
11	56114281	T	C	OR8K1
11	56127803	C	-	OR8J1

11	56127804	T	G	OR8J1
11	56127829	G	T	OR8J1
11	56128173	T	C	OR8J1
11	56143503	T	C	OR8U1
11	56143507	G	C	OR8U1
11	56143632	A	G	OR8U1
11	56143715	A	G	OR8U1
11	56184888	G	A	OR5R1
11	56185023	C	T	OR5R1
11	56185153	C	T	OR5R1
11	56185159	A	G	OR5R1
11	56185224	A	G	OR5R1
11	56185345	A	G	OR5R1
11	56185347	T	C	OR5R1
11	56185401	C	T	OR5R1
11	56185632	G	A	OR5R1
11	56230069	T	C	OR5M9
11	56230120	G	A	OR5M9
11	56230589	C	T	OR5M9
11	56230678	G	A	OR5M9
11	56237564	A	T	OR5M3
11	56237605	TGC	-	OR5M3
11	56257961	C	T	OR5M8
11	56309896	C	G	OR5M11
11	56310222	C	T	OR5M11
11	56310356	A	T	OR5M11
11	56310564	G	A	OR5M11
11	56310730	A	C	OR5M11
11	56344295	T	C	OR5M10
11	56380547	CAGA	-	OR5M1
11	56409603	C	T	OR5AP2
11	56431216	C	T	OR5AR1
11	56431667	G	A	OR5AR1
11	56431834	A	G	OR5AR1
11	56468225	G	A	OR9G9
11	56468258	C	T	OR9G9
11	56468492	C	T	OR9G9
11	56468602	G	A	OR9G9
11	56510623	A	G	OR9G4
11	56510672	T	C	OR9G4
11	56511025	T	C	OR9G4
11	56511160	A	G	OR9G4
11	56756399	G	T	OR5AK2

11	56756664	G	A	OR5AK2
11	56949447	AC	-	LRRC55
11	56949691	G	A	LRRC55
11	57003481	C	A	APLNR
11	57004322	C	T	APLNR
11	57069375	A	G	TNKS1BP1
11	57069568	T	C	TNKS1BP1
11	57070069	C	T	TNKS1BP1
11	57076524	C	T	TNKS1BP1
11	57076895	T	C	TNKS1BP1
11	57077132	C	T	TNKS1BP1
11	57080352	G	A	TNKS1BP1
11	57080394	A	C	TNKS1BP1
11	57081146	G	C	TNKS1BP1
11	57081197	G	C	TNKS1BP1
11	57087817	C	T	TNKS1BP1
11	57087983	C	G	TNKS1BP1
11	57088114	TTGGCAGGCAC-		TNKS1BP1
11	57089266	C	T	TNKS1BP1
11	57100266	T	C	SSRP1
11	57114109	G	A	P2RX3
11	57137424	C	T	P2RX3
11	57145296	C	T	PRG3
11	57146225	A	G	PRG3
11	57148175	A	G	PRG3
11	57155253	C	A	PRG2
11	57259193	C	G	SLC43A1
11	57261522	G	A	SLC43A1
11	57313805	G	A	SMTNL1
11	57367442	A	G	SERPING1
11	57381989	G	A	SERPING1
11	57428280	T	C	CLP1
11	57428528	C	T	CLP1
11	57461323	C	T	ZDHHC5
11	57464253	G	A	ZDHHC5
11	57464259	C	T	ZDHHC5
11	57467411	G	A	ZDHHC5
11	57480232	G	C	TMX2
11	57480270	C	G	TMX2
11	57512690	T	C	BTBD18
11	57513287	G	C	BTBD18
11	57561543	A	G	CTNND1
11	57798503	C	T	OR6Q1

11	57798723	A	G	OR6Q1
11	57798942	A	G	OR6Q1
11	57799109	C	-	OR6Q1
11	57799281	C	T	OR6Q1
11	57886280	C	T	OR9I1
11	57946999	T	G	OR9Q1
11	57947084	C	G	OR9Q1
11	57947163	G	A	OR9Q1
11	57947505	G	C	OR9Q1
11	57958038	C	T	OR9Q2
11	57958497	T	C	OR9Q2
11	57958578	G	A	OR9Q2
11	57970926	G	A	OR1S2
11	57971478	A	G	OR1S2
11	57971546	A	C	OR1S2
11	57982562	T	C	OR1S1
11	57982584	T	C	OR1S1
11	57982620	A	G	OR1S1
11	57982635	G	A	OR1S1
11	57982676	G	A	OR1S1
11	57995777	G	A	OR10Q1
11	57996294	GAACACAAACT-	-	OR10Q1
11	57996312	C	G	OR10Q1
11	58034457	C	T	OR10W1
11	58034543	C	T	OR10W1
11	58034597	C	G	OR10W1
11	58034651	C	T	OR10W1
11	58034840	C	T	OR10W1
11	58035062	G	T	OR10W1
11	58125620	T	C	OR5B17
11	58125774	A	G	OR5B17
11	58126184	C	T	OR5B17
11	58126305	A	T	OR5B17
11	58126340	C	T	OR5B17
11	58169996	T	C	OR5B3
11	58170143	C	G	OR5B3
11	58170291	T	C	OR5B3
11	58170342	C	T	OR5B3
11	58170374	T	C	OR5B3
11	58170712	C	T	OR5B3
11	58170738	A	G	OR5B3
11	58170780	T	A	OR5B3
11	58170793	G	-	OR5B3

11	58190112	A	G	OR5B2
11	58190136	A	G	OR5B2
11	58190598	A	T	OR5B2
11	58206703	C	T	OR5B12
11	58206714	C	T	OR5B12
11	58206865	T	C	OR5B12
11	58207036	T	-	OR5B12
11	58207036	T	-	OR5B12
11	58207284	G	T	OR5B12
11	58347029	C	G	ZFP91
11	58391584	G	C	CNTF
11	58391957	C	T	CNTF
11	58478084	T	C	GLYAT
11	58480294	G	T	GLYAT
11	58480295	T	G	GLYAT
11	58604806	T	A	GLYATL2
11	58891962	T	-	FAM111B
11	58919248	G	A	FAM111A
11	58919922	-	GCAGATACTT	FAM111A
11	58949917	G	A	DTX4
11	58958632	G	A	DTX4
11	58978684	G	A	MPEG1
11	58978940	C	T	MPEG1
11	58979126	G	T	MPEG1
11	58979599	G	T	MPEG1
11	59132798	G	C	OR5AN1
11	59189912	G	A	OR5A2
11	59189951	A	G	OR5A2
11	59190120	A	G	OR5A2
11	59210795	A	G	OR5A1
11	59224464	G	C	OR4D6
11	59224495	G	A	OR4D6
11	59224608	A	G	OR4D6
11	59224720	A	G	OR4D6
11	59224738	T	C	OR4D6
11	59224765	A	C	OR4D6
11	59225130	C	-	OR4D6
11	59225187	G	A	OR4D6
11	59225221	T	C	OR4D6
11	59271637	T	C	OR4D11
11	59282460	G	C	OR4D9
11	59405867	C	T	PATL1
11	59423150	G	A	PATL1

11	59480448	A	G	OR10V1
11	59480759	C	T	OR10V1
11	59480948	A	T	OR10V1
11	59480951	T	C	OR10V1
11	59480952	G	A	OR10V1
11	59480969	A	G	OR10V1
11	59481119	G	T	OR10V1
11	59540697	A	G	STX3
11	59573828	G	A	MRPL16
11	59573980	C	T	MRPL16
11	59609990	TTC	-	GIF
11	59610581	A	G	GIF
11	59611454	A	T	GIF
11	59612859	T	C	GIF
11	59622246	T	C	TCN1
11	59631535	C	T	TCN1
11	59829992	G	A	MS4A3
11	59861473	G	T	MS4A2
11	59863030	G	A	MS4A2
11	59863104	A	G	MS4A2
11	59940500	C	T	MS4A6A
11	59947385	T	-	MS4A6A
11	60059810	A	G	MS4A4A
11	60070176	A	G	MS4A4A
11	60152688	C	G	MS4A7
11	60154203	G	A	MS4A7
11	60160176	C	A	MS4A7
11	60183189	C	T	MS4A14
11	60184191	G	A	MS4A14
11	60184277	A	C	MS4A14
11	60184467	C	T	MS4A14
11	60264978	A	-	MS4A12
11	60265002	C	T	MS4A12
11	60268570	G	A	MS4A12
11	60285564	G	A	MS4A13
11	60291413	C	T	MS4A13
11	60470896	A	G	MS4A8
11	60531264	A	G	MS4A15
11	60531315	C	T	MS4A15
11	60531346	T	G	MS4A15
11	60535105	G	A	MS4A15
11	60540907	G	T	MS4A15
11	60559747	T	G	MS4A10

11	60565921	C	T	MS4A10
11	60565924	T	C	MS4A10
11	60610056	G	C	CCDC86
11	60617428	C	G	CCDC86
11	60636698	G	A	ZP1
11	60637164	C	T	ZP1
11	60638753	C	A	ZP1
11	60689534	C	T	TMEM109
11	60696399	G	A	TMEM132A
11	60703403	G	A	TMEM132A
11	60703423	G	A	TMEM132A
11	60703882	G	A	TMEM132A
11	60703998	G	T	TMEM132A
11	60704213	C	T	TMEM132A
11	60708672	G	A	SLC15A3
11	60709520	C	A	SLC15A3
11	60776186	C	T	CD6
11	60776209	C	T	CD6
11	60785263	A	G	CD6
11	60870066	T	G	CD5
11	60886423	C	T	CD5
11	60886913	C	T	CD5
11	60890500	G	C	CD5
11	60893235	C	T	CD5
11	60899767	A	G	VPS37C
11	60899815	A	T	VPS37C
11	60899932	G	A	VPS37C
11	60906279	G	T	VPS37C
11	61026652	G	T	VWCE
11	61106765	G	A	TKFC
11	61111346	C	G	TKFC
11	61165731	-	A	TMEM216
11	61165741	G	C	TMEM216
11	61249804	G	A	PPP1R32
11	61249818	G	T	PPP1R32
11	61249891	C	T	PPP1R32
11	61252200	A	G	PPP1R32
11	61253278	G	T	PPP1R32
11	61253294	G	A	PPP1R32
11	61253841	C	A	PPP1R32
11	61257355	G	C	PPP1R32
11	61257987	C	G	PPP1R32
11	61511262	C	A	DAGLA

11	61557364	C	TRUE	<i>TMEM258</i>
11	61669946	G	A	<i>RAB3IL1</i>
11	61675644	T	C	<i>RAB3IL1</i>
11	61908440	T	C	<i>INCENP</i>
11	61908441	G	A	<i>INCENP</i>
11	61913196	G	T	<i>INCENP</i>
11	61917552	G	C	<i>INCENP</i>
11	61959531	A	C	<i>SCGB1D1</i>
11	62010863	C	T	<i>SCGB1D2</i>
11	62285208	A	C	<i>AHNAK</i>
11	62285402	C	T	<i>AHNAK</i>
11	62285441	A	G	<i>AHNAK</i>
11	62285571	C	T	<i>AHNAK</i>
11	62285634	C	T	<i>AHNAK</i>
11	62286165	C	G	<i>AHNAK</i>
11	62286666	C	T	<i>AHNAK</i>
11	62290719	A	G	<i>AHNAK</i>
11	62291953	A	T	<i>AHNAK</i>
11	62296535	T	C	<i>AHNAK</i>
11	62296592	C	A	<i>AHNAK</i>
11	62296601	T	C	<i>AHNAK</i>
11	62297447	T	C	<i>AHNAK</i>
11	62299311	C	T	<i>AHNAK</i>
11	62299515	C	G	<i>AHNAK</i>
11	62300930	C	T	<i>AHNAK</i>
11	62343057	C	T	<i>TUT1</i>
11	62359061	G	-	<i>TUT1</i>
11	62369881	G	A	<i>EML3</i>
11	62369884	C	G	<i>EML3</i>
11	62369890	-	AGGGC	<i>EML3</i>
11	62376557	C	T	<i>EML3</i>
11	62380800	G	A	<i>ROM1</i>
11	62384523	C	T	<i>B3GAT3</i>
11	62397965	C	T	<i>GANAB</i>
11	62400108	G	A	<i>GANAB</i>
11	62400116	T	C	<i>GANAB</i>
11	62416162	G	A	<i>INTS5</i>
11	62433912	C	T	<i>METTL12</i>
11	62435132	TCT	-	<i>LBHD1</i>
11	62439510	C	T	<i>UQCC3</i>
11	62439554	G	C	<i>UQCC3</i>
11	62444384	C	G	<i>UBXN1</i>
11	62457948	A	G	<i>BSCL2</i>

11	62458275	T	C	<i>BSCL2</i>
11	62543326	C	T	<i>TAF6L</i>
11	62554113	C	G	<i>TAF6L</i>
11	62559351	T	C	<i>TMEM223</i>
11	62559385	T	C	<i>TMEM223</i>
11	62559405	G	A	<i>TMEM223</i>
11	62563587	T	C	<i>NXF1</i>
11	62569103	G	C	<i>NXF1</i>
11	62569105	-	AC	<i>NXF1</i>
11	62571313	C	T	<i>NXF1</i>
11	62594689	G	A	<i>STX5</i>
11	62652950	G	T	<i>SLC3A2</i>
11	62751852	G	A	<i>SLC22A6</i>
11	62761083	C	T	<i>SLC22A8</i>
11	62763248	G	A	<i>SLC22A8</i>
11	62848487	A	C	<i>SLC22A24</i>
11	62863518	A	G	<i>SLC22A24</i>
11	62886800	G	C	<i>SLC22A24</i>
11	62911079	G	C	<i>SLC22A24</i>
11	62931297	-	C	<i>SLC22A25</i>
11	62932049	C	G	<i>SLC22A25</i>
11	62951221	C	G	<i>SLC22A25</i>
11	62984868	T	C	<i>SLC22A25</i>
11	62996038	T	C	<i>SLC22A25</i>
11	62996860	G	A	<i>SLC22A25</i>
11	62997031	A	G	<i>SLC22A25</i>
11	63064887	G	T	<i>SLC22A10</i>
11	63064894	C	A	<i>SLC22A10</i>
11	63069895	G	A	<i>SLC22A10</i>
11	63072184	C	T	<i>SLC22A10</i>
11	63072310	C	T	<i>SLC22A10</i>
11	63137767	A	G	<i>SLC22A9</i>
11	63173982	A	G	<i>SLC22A9</i>
11	63176187	A	G	<i>SLC22A9</i>
11	63233779	G	A	<i>HRASLS5</i>
11	63256441	C	G	<i>HRASLS5</i>
11	63277334	A	G	<i>LGALS12</i>
11	63320450	G	A	<i>HRASLS2</i>
11	63487386	T	C	<i>RTN3</i>
11	63487475	G	C	<i>RTN3</i>
11	63533387	C	T	<i>C11orf95</i>
11	63672479	G	A	<i>MARK2</i>
11	63767166	C	T	<i>MACROD1</i>

11	63884146	A	G	<i>FLRT1</i>
11	63884923	C	T	<i>FLRT1</i>
11	63974966	G	A	<i>FERMT3</i>
11	63978242	G	A	<i>FERMT3</i>
11	63993287	C	T	<i>TRPT1</i>
11	63999356	ACTTATTATGA/-		<i>DNAJC4</i>
11	63999971	C	T	<i>DNAJC4</i>
11	64026639	G	A	<i>PLCB3</i>
11	64027666	A	C	<i>PLCB3</i>
11	64031030	G	A	<i>PLCB3</i>
11	64031241	C	T	<i>PLCB3</i>
11	64034960	G	A	<i>PLCB3</i>
11	64037726	C	G	<i>BAD</i>
11	64055562	C	T	<i>GPR137</i>
11	64056629	C	T	<i>GPR137</i>
11	64060583	C	A	<i>KCNK4</i>
11	64066999	C	T	<i>KCNK4</i>
11	64067110	C	T	<i>KCNK4</i>
11	64067889	G	A	<i>TEX40</i>
11	64068310	C	T	<i>TEX40</i>
11	64071272	G	C	<i>TEX40</i>
11	64087269	G	A	<i>PRDX5</i>
11	64088252	G	T	<i>PRDX5</i>
11	64108124	G	C	<i>CCDC88B</i>
11	64109118	T	G	<i>CCDC88B</i>
11	64111637	G	A	<i>CCDC88B</i>
11	64111794	G	A	<i>CCDC88B</i>
11	64112055	A	C	<i>CCDC88B</i>
11	64116879	C	T	<i>CCDC88B</i>
11	64117106	C	T	<i>CCDC88B</i>
11	64119681	C	T	<i>CCDC88B</i>
11	64120895	C	T	<i>CCDC88B</i>
11	64123095	G	A	<i>CCDC88B</i>
11	64136019	G	A	<i>RPS6KA4</i>
11	64323613	C	T	<i>SLC22A11</i>
11	64416356	T	C	<i>NRXN2</i>
11	64453180	C	T	<i>NRXN2</i>
11	64494826	C	T	<i>RASGRP2</i>
11	64497613	G	C	<i>RASGRP2</i>
11	64518896	C	T	<i>PYGM</i>
11	64519958	T	C	<i>PYGM</i>
11	64521496	G	A	<i>PYGM</i>
11	64527189	C	T	<i>PYGM</i>

11	64527211	A	C	PYGM
11	64527223	G	A	PYGM
11	64572018	T	C	MEN1
11	64575505	C	T	MEN1
11	64597165	A	G	CDC42BPG
11	64597261	G	A	CDC42BPG
11	64597279	C	T	CDC42BPG
11	64606167	T	G	CDC42BPG
11	64607670	G	A	CDC42BPG
11	64673907	C	T	ATG2A
11	64677293	G	C	ATG2A
11	64677324	G	A	ATG2A
11	64678098	C	T	ATG2A
11	64679362	G	A	ATG2A
11	64679885	G	A	ATG2A
11	64681360	C	T	ATG2A
11	64802388	A	C	SNX15
11	64807235	C	T	SNX15
11	64811900	C	T	SAC3D1
11	64811951	T	A	SAC3D1
11	64813340	G	A	NAALADL1
11	64813685	G	C	NAALADL1
11	64813935	C	A	NAALADL1
11	64822182	G	A	NAALADL1
11	64825917	A	T	NAALADL1
11	64854812	G	A	ZFPL1
11	64854824	G	A	ZFPL1
11	64877193	C	T	VPS51
11	64878234	G	C	VPS51
11	64882228	G	A	TM7SF2
11	64882789	C	T	TM7SF2
11	64889034	G	A	FAU
11	64897510	G	T	SYVN1
11	64972286	G	C	CAPN1
11	64974054	G	A	CAPN1
11	64974282	C	T	CAPN1
11	64976845	T	C	CAPN1
11	64981522	C	A	SLC22A20
11	64981587	G	A	SLC22A20
11	64981837	C	T	SLC22A20
11	64981853	G	T	SLC22A20
11	64985107	G	A	SLC22A20
11	64990041	G	C	SLC22A20

11	65046262	G	A	POLA2
11	65064690	G	A	POLA2
11	65123749	A	G	TIGD3
11	65123754	C	A	TIGD3
11	65124408	A	G	TIGD3
11	65143892	G	A	SLC25A45
11	65144075	T	C	SLC25A45
11	65147013	C	T	SLC25A45
11	65294543	G	A	SCYL1
11	65299081	AGA	-	SCYL1
11	65304520	C	T	SCYL1
11	65304573	G	A	SCYL1
11	65305450	G	A	SCYL1
11	65319751	G	A	LTBP3
11	65347636	G	C	EHBP1L1
11	65350826	A	T	EHBP1L1
11	65351863	A	G	EHBP1L1
11	65357637	G	A	EHBP1L1
11	65361256	C	T	KCNK7
11	65384944	C	G	PCNXL3
11	65385456	C	T	PCNXL3
11	65385573	A	G	PCNXL3
11	65385606	A	G	PCNXL3
11	65386206	C	G	PCNXL3
11	65403651	C	A	PCNXL3
11	65404018	G	A	PCNXL3
11	65408937	C	T	SIPA1
11	65416753	C	T	SIPA1
11	65416867	A	G	SIPA1
11	65417436	G	T	SIPA1
11	65418101	G	T	SIPA1
11	65545610	A	G	AP5B1
11	65546763	G	A	AP5B1
11	65547455	C	A	AP5B1
11	65561574	C	T	OVOL1
11	65628334	G	A	MUS81
11	65629482	G	A	MUS81
11	65629694	CAC	-	MUS81
11	65629934	G	C	MUS81
11	65631127	C	T	MUS81
11	65631361	C	T	MUS81
11	65636053	T	C	EFEMP2
11	65638718	C	T	EFEMP2

11	65639462	G	A	<i>EFEMP2</i>
11	65647351	GCCTCCTG	-	<i>CTSW</i>
11	65647358	G	-	<i>CTSW</i>
11	65649774	A	G	<i>CTSW</i>
11	65649955	T	A	<i>CTSW</i>
11	65685225	T	C	<i>C11orf68</i>
11	65735168	C	T	<i>SART1</i>
11	65735174	G	C	<i>SART1</i>
11	65788072	C	T	<i>CATSPER1</i>
11	65793162	C	T	<i>CATSPER1</i>
11	65793454	C	T	<i>CATSPER1</i>
11	65793706	C	T	<i>CATSPER1</i>
11	65810612	G	T	<i>GAL3ST3</i>
11	65819931	G	T	<i>SF3B2</i>
11	65824821	C	T	<i>SF3B2</i>
11	66029645	G	A	<i>KLC2</i>
11	66055685	G	A	<i>YIF1A</i>
11	66082338	G	A	<i>CD248</i>
11	66083129	T	C	<i>CD248</i>
11	66083816	G	A	<i>CD248</i>
11	66102191	G	A	<i>RIN1</i>
11	66105194	G	A	<i>BRMS1</i>
11	66113622	G	C	<i>B4GAT1</i>
11	66188725	G	T	<i>NPAS4</i>
11	66191859	C	A	<i>NPAS4</i>
11	66192465	A	G	<i>NPAS4</i>
11	66204624	G	A	<i>MRPL11</i>
11	66243148	C	T	<i>PELI3</i>
11	66254085	G	T	<i>DPP3</i>
11	66258965	G	A	<i>DPP3</i>
11	66281952	G	A	<i>BBS1</i>
11	66287112	T	G	<i>BBS1</i>
11	66287196	G	A	<i>BBS1</i>
11	66293652	T	G	<i>BBS1</i>
11	66313203	T	C	<i>ZDHHC24</i>
11	66333800	G	C	<i>CTSF</i>
11	66333807	G	A	<i>CTSF</i>
11	66358631	TCT	-	<i>CCDC87</i>
11	66359489	C	T	<i>CCDC87</i>
11	66392825	C	T	<i>RBM14</i>
11	66436334	C	T	<i>RBM4B</i>
11	66457639	C	T	<i>SPTBN2</i>
11	66457681	C	T	<i>SPTBN2</i>

11	66468469	A	G	<i>SPTBN2</i>
11	66610418	G	A	<i>C11orf80</i>
11	66625421	G	A	<i>LRFN4</i>
11	66627638	C	T	<i>LRFN4</i>
11	66638540	C	A	<i>PC</i>
11	66807561	A	C	<i>SYT12</i>
11	66833392	G	A	<i>RHOD</i>
11	66834232	C	T	<i>RHOD</i>
11	66837996	G	A	<i>RHOD</i>
11	67074393	G	A	<i>SSH3</i>
11	67079177	G	A	<i>SSH3</i>
11	67079303	G	A	<i>SSH3</i>
11	67120530	C	G	<i>POLD4</i>
11	67120530	C	A	<i>POLD4</i>
11	67132804	G	A	<i>CLCF1</i>
11	67160961	A	G	<i>RAD9A</i>
11	67163284	GAG	-	<i>RAD9A</i>
11	67164959	A	T	<i>RAD9A</i>
11	67173422	G	A	<i>TBC1D10C</i>
11	67176584	G	A	<i>TBC1D10C</i>
11	67186271	C	A	<i>CARNS1</i>
11	67190928	G	A	<i>CARNS1</i>
11	67191572	C	T	<i>CARNS1</i>
11	67198887	C	T	<i>RPS6KB2</i>
11	67200513	T	C	<i>RPS6KB2</i>
11	67200812	C	T	<i>RPS6KB2</i>
11	67203442	C	T	<i>PTPRCAP</i>
11	67203608	C	T	<i>PTPRCAP</i>
11	67219242	G	C	<i>GPR152</i>
11	67219247	G	C	<i>GPR152</i>
11	67219723	A	G	<i>GPR152</i>
11	67219810	C	T	<i>GPR152</i>
11	67220015	C	T	<i>GPR152</i>
11	67225049	G	C	<i>CABP4</i>
11	67235051	G	A	<i>TMEM134</i>
11	67235060	C	A	<i>TMEM134</i>
11	67235538	G	A	<i>TMEM134</i>
11	67250676	G	A	<i>AIP</i>
11	67257823	C	A	<i>AIP</i>
11	67258382	G	A	<i>AIP</i>
11	67262411	C	T	<i>PITPNM1</i>
11	67265444	A	G	<i>PITPNM1</i>
11	67265636	G	A	<i>PITPNM1</i>

11	67266164	C	T	<i>PITPNM1</i>
11	67288594	C	T	<i>CABP2</i>
11	67290042	C	T	<i>CABP2</i>
11	67352689	A	G	<i>GSTP1</i>
11	67402362	T	G	<i>TBX10</i>
11	67414352	G	C	<i>ACY3</i>
11	67414433	C	T	<i>ACY3</i>
11	67430748	T	C	<i>ALDH3B2</i>
11	67430762	T	C	<i>ALDH3B2</i>
11	67432804	T	C	<i>ALDH3B2</i>
11	67433869	C	T	<i>ALDH3B2</i>
11	67434390	C	T	<i>ALDH3B2</i>
11	67809268	C	T	<i>TCIRG1</i>
11	67810474	G	A	<i>TCIRG1</i>
11	67810477	C	T	<i>TCIRG1</i>
11	67814943	G	A	<i>TCIRG1</i>
11	67814983	G	A	<i>TCIRG1</i>
11	67816463	G	C	<i>TCIRG1</i>
11	67818269	G	A	<i>TCIRG1</i>
11	67925546	T	C	<i>KMT5B</i>
11	67957518	A	T	<i>KMT5B</i>
11	68029531	G	A	<i>C11orf24</i>
11	68029738	G	A	<i>C11orf24</i>
11	68029937	G	A	<i>C11orf24</i>
11	68030015	C	T	<i>C11orf24</i>
11	68030173	C	A	<i>C11orf24</i>
11	68115489	A	G	<i>LRP5</i>
11	68174189	G	A	<i>LRP5</i>
11	68177524	C	T	<i>LRP5</i>
11	68191036	G	A	<i>LRP5</i>
11	68213989	C	T	<i>LRP5</i>
11	68358142	G	A	<i>PPP6R3</i>
11	68377475	A	G	<i>PPP6R3</i>
11	68452438	C	T	<i>GAL</i>
11	68456346	A	G	<i>GAL</i>
11	68478487	A	G	<i>MTL5</i>
11	68506246	G	C	<i>MTL5</i>
11	68509835	A	G	<i>MTL5</i>
11	68512543	A	G	<i>MTL5</i>
11	68527074	T	C	<i>CPT1A</i>
11	68562288	C	T	<i>CPT1A</i>
11	68562328	C	T	<i>CPT1A</i>
11	68664068	C	T	<i>MRPL21</i>

11	68673601	C	G	IGHMBP2
11	68678962	T	C	IGHMBP2
11	68682402	A	G	IGHMBP2
11	68696783	C	T	IGHMBP2
11	68703959	A	G	IGHMBP2
11	68704028	C	T	IGHMBP2
11	68705674	C	A	IGHMBP2
11	68707054	G	A	IGHMBP2
11	68707089	A	G	IGHMBP2
11	68707139	T	G	IGHMBP2
11	68748292	C	T	MRGPRD
11	68777323	T	C	MRGPRF
11	68825103	G	A	TPCN2
11	68840160	A	G	TPCN2
11	68840399	G	A	TPCN2
11	68846399	A	T	TPCN2
11	68848916	G	A	TPCN2
11	68851414	T	C	TPCN2
11	68854029	C	T	TPCN2
11	68855363	G	A	TPCN2
11	69063153	G	A	MYEOV
11	69063393	T	C	MYEOV
11	69063476	C	T	MYEOV
11	69063510	G	A	MYEOV
11	69063527	C	T	MYEOV
11	69588175	G	A	FGF4
11	69933891	G	A	ANO1
11	69995833	C	A	ANO1
11	70007354	G	A	ANO1
11	70007770	T	C	ANO1
11	70189892	A	G	PPFIA1
11	70271499	T	G	CTTN
11	70319373	C	T	SHANK2
11	70332231	-	AATGGC	SHANK2
11	70333498	T	C	SHANK2
11	70336479	C	T	SHANK2
11	70338541	T	G	SHANK2
11	71146837	C	T	DHCR7
11	71152447	C	T	DHCR7
11	71169547	G	C	NADSYN1
11	71184678	A	C	NADSYN1
11	71189477	C	T	NADSYN1
11	71191817	C	T	NADSYN1

11	71193921	A	G	NADSYN1
11	71202902	G	A	NADSYN1
11	71259816	C	T	KRTAP5
11	71259822	A	G	KRTAP5
11	71706544	A	G	RNF121
11	71715129	G	A	NUMA1
11	71717267	A	G	NUMA1
11	71720030	G	A	NUMA1
11	71725236	A	G	NUMA1
11	71725797	G	A	NUMA1
11	71726122	T	A	NUMA1
11	71726168	G	C	NUMA1
11	71727119	T	C	NUMA1
11	71806057	G	C	LRTOMT
11	71807767	A	C	LRTOMT
11	71810236	C	T	LAMTOR1
11	71906438	C	T	FOLR1
11	71906793	T	C	FOLR1
11	71941033	G	C	INPPL1
11	71943374	C	T	INPPL1
11	71943961	C	A	INPPL1
11	71948536	C	G	INPPL1
11	72004653	G	A	CLPB
11	72084037	C	T	CLPB
11	72406046	C	T	ARAP1
11	72408055	G	C	ARAP1
11	72413997	G	A	ARAP1
11	72945341	C	T	P2RY2
11	73020378	-	CTC	ARHGEF17
11	73020399	C	A	ARHGEF17
11	73020633	G	C	ARHGEF17
11	73020846	G	T	ARHGEF17
11	73020965	C	A	ARHGEF17
11	73021254	C	T	ARHGEF17
11	73021418	G	C	ARHGEF17
11	73022007	T	C	ARHGEF17
11	73074364	G	A	ARHGEF17
11	73074409	G	A	ARHGEF17
11	73105341	C	T	RELT
11	73105676	G	A	RELT
11	73106172	A	G	RELT
11	73106507	C	T	RELT
11	73388956	C	G	RAB6A

11	73516109	C	G	MRPL48
11	73584369	C	T	COA4
11	73611349	G	C	PAAF1
11	73620537	C	G	PAAF1
11	73675962	T	G	DNAJB13
11	73679454	G	A	DNAJB13
11	73689104	G	A	UCP2
11	73718063	C	T	UCP3
11	73760413	G	T	C2CD3
11	73768459	C	A	C2CD3
11	73768553	C	T	C2CD3
11	73796683	T	C	C2CD3
11	73811643	C	T	C2CD3
11	73814438	G	C	C2CD3
11	73850837	C	T	C2CD3
11	73872506	G	C	C2CD3
11	73979241	C	G	P4HA3
11	73988167	C	T	P4HA3
11	74047743	T	A	PGM2L1
11	74053547	C	T	PGM2L1
11	74053573	G	A	PGM2L1
11	74109166	A	G	PGM2L1
11	74168361	C	T	KCNE3
11	74203256	T	A	LIPT2
11	74203308	T	A	LIPT2
11	74347299	C	G	POLD3
11	74413955	G	A	CHRD2L2
11	74441891	C	T	CHRD2L2
11	74547278	G	A	RNF169
11	74559303	C	T	XRR1A
11	74559446	G	C	XRR1A
11	74563049	C	T	XRR1A
11	74618265	G	A	XRR1A
11	74648036	G	T	XRR1A
11	74717217	A	C	NEU3
11	74800417	A	C	OR2AT4
11	74800437	G	T	OR2AT4
11	74873755	CACAGAAAA	-	SLC02B1
11	74876889	C	T	SLC02B1
11	74880370	G	A	SLC02B1
11	74883559	G	A	SLC02B1
11	74883577	G	A	SLC02B1
11	74904362	T	C	SLC02B1

11	74907582	C	T	<i>SLCO2B1</i>
11	74907651	G	A	<i>SLCO2B1</i>
11	74915572	C	G	<i>SLCO2B1</i>
11	75115875	C	A	<i>RPS3</i>
11	75115893	C	A	<i>RPS3</i>
11	75152243	C	T	<i>GDPD5</i>
11	75277486	G	C	<i>SERPINH1</i>
11	75298327	C	T	<i>MAP6</i>
11	75298917	C	A	<i>MAP6</i>
11	75428958	A	G	<i>MOGAT2</i>
11	75439894	A	G	<i>MOGAT2</i>
11	75509317	C	A	<i>DGAT2</i>
11	75509352	G	A	<i>DGAT2</i>
11	75511469	G	A	<i>DGAT2</i>
11	75672550	A	G	<i>UVRAG</i>
11	75694476	A	G	<i>UVRAG</i>
11	75694549	A	C	<i>UVRAG</i>
11	75851814	G	T	<i>UVRAG</i>
11	76371085	G	A	<i>LRRC32</i>
11	76371418	C	T	<i>LRRC32</i>
11	76507144	G	T	<i>TSKU</i>
11	76637651	G	A	<i>ACER3</i>
11	76637687	A	G	<i>ACER3</i>
11	76795985	G	A	<i>CAPN5</i>
11	76813961	C	T	<i>OMP</i>
11	76830190	A	G	<i>CAPN5</i>
11	76853783	T	C	<i>MYO7A</i>
11	76869378	G	A	<i>MYO7A</i>
11	76871260	C	T	<i>MYO7A</i>
11	76891450	C	T	<i>MYO7A</i>
11	76895771	GGAGGCGGGG-		<i>MYO7A</i>
11	76895773	AGGCGGGGAC.-		<i>MYO7A</i>
11	76895777	G	-	<i>MYO7A</i>
11	76910708	C	T	<i>MYO7A</i>
11	76913457	A	G	<i>MYO7A</i>
11	76915143	C	A	<i>MYO7A</i>
11	76919478	C	A	<i>MYO7A</i>
11	76919484	G	A	<i>MYO7A</i>
11	76954788	-	A	<i>GDPD4</i>
11	76954812	T	C	<i>GDPD4</i>
11	76954833	G	A	<i>GDPD4</i>
11	76979511	A	G	<i>GDPD4</i>
11	76979550	T	C	<i>GDPD4</i>

11	77301341	G	A	AQP11
11	77301471	A	C	AQP11
11	77301472	G	T	AQP11
11	77383137	T	G	RSF1
11	77412344	C	T	RSF1
11	77412456	T	C	RSF1
11	77412646	G	A	RSF1
11	77412755	C	T	RSF1
11	77412851	A	G	RSF1
11	77436641	G	A	RSF1
11	77734294	A	T	KCTD14
11	77775352	C	T	THRSP
11	77790655	G	C	NDUFC2
11	77815059	A	G	ALG8
11	77815467	G	A	ALG8
11	77823791	C	T	ALG8
11	77825320	T	C	ALG8
11	77909014	G	A	USP35
11	77911745	C	T	USP35
11	77917013	T	G	USP35
11	77920562	C	T	USP35
11	77920808	G	A	USP35
11	77920861	C	T	USP35
11	77920930	A	G	USP35
11	77920964	C	T	USP35
11	77921348	G	A	USP35
11	77921527	G	C	USP35
11	78189653	T	C	NARS2
11	78239937	G	T	NARS2
11	78279790	T	G	NARS2
11	78380090	C	T	TENM4
11	78383218	C	T	TENM4
11	78383259	G	C	TENM4
11	78387298	T	G	TENM4
11	78387310	C	T	TENM4
11	78412763	C	T	TENM4
11	78431418	T	C	TENM4
11	78449568	G	C	TENM4
11	78449583	G	A	TENM4
11	78614473	T	G	TENM4
11	82444668	C	G	FAM181B
11	82564294	T	G	PRCP
11	82571138	T	C	PRCP

11	82625814	G	A	<i>DDIAS</i>
11	82642952	G	A	<i>DDIAS</i>
11	82643760	G	T	<i>DDIAS</i>
11	82644764	C	G	<i>DDIAS</i>
11	82644904	G	A	<i>DDIAS</i>
11	82876726	C	A	<i>PCF11</i>
11	82880732	C	T	<i>PCF11</i>
11	82895826	A	G	<i>PCF11</i>
11	82935986	A	G	<i>ANKRD42</i>
11	82991264	C	T	<i>CCDC90B</i>
11	82996986	A	C	<i>CCDC90B</i>
11	82997002	T	C	<i>CCDC90B</i>
11	83641521	G	A	<i>DLG2</i>
11	84822734	G	C	<i>DLG2</i>
11	85347173	C	T	<i>TMEM126B</i>
11	85365174	A	G	<i>TMEM126A</i>
11	85366671	G	A	<i>TMEM126A</i>
11	85396271	C	A	<i>CCDC89</i>
11	85396880	A	C	<i>CCDC89</i>
11	85406318	T	C	<i>SYTL2</i>
11	85420401	G	A	<i>SYTL2</i>
11	85422216	C	G	<i>SYTL2</i>
11	85431954	G	T	<i>SYTL2</i>
11	85438948	G	A	<i>SYTL2</i>
11	85445311	A	G	<i>SYTL2</i>
11	85445365	G	C	<i>SYTL2</i>
11	85445734	T	C	<i>SYTL2</i>
11	85448679	G	A	<i>SYTL2</i>
11	85468708	G	A	<i>SYTL2</i>
11	85576209	G	A	<i>CCDC83</i>
11	85584303	A	G	<i>CCDC83</i>
11	85593595	C	T	<i>CCDC83</i>
11	85622367	T	C	<i>CCDC83</i>
11	85622430	A	C	<i>CCDC83</i>
11	85630411	C	T	<i>CCDC83</i>
11	85707896	C	G	<i>PICALM</i>
11	85779721	G	C	<i>PICALM</i>
11	86103702	A	G	<i>CCDC81</i>
11	86108741	G	-	<i>CCDC81</i>
11	86111834	C	A	<i>CCDC81</i>
11	86118683	C	A	<i>CCDC81</i>
11	86123537	G	A	<i>CCDC81</i>
11	86123556	A	G	<i>CCDC81</i>

11	86126163	C	A	CCDC81
11	86133743	C	T	CCDC81
11	86161020	G	A	ME3
11	86161388	C	G	ME3
11	86518851	G	A	PRSS23
11	86663296	G	A	FZD4
11	86666031	G	A	FZD4
11	87013438	G	A	TMEM135
11	87017001	G	A	TMEM135
11	87032287	G	C	TMEM135
11	87847206	G	A	RAB38
11	87847209	G	T	RAB38
11	87882971	G	A	RAB38
11	87908429	T	C	RAB38
11	88027209	T	C	CTSC
11	88045583	A	G	CTSC
11	88911696	C	A	TYR
11	88961072	C	A	TYR
11	89106662	-	A	NOX4
11	89182666	C	A	NOX4
11	89182686	T	C	NOX4
11	89447375	C	T	TRIM77
11	89880604	G	A	NAALAD2
11	89896537	A	G	NAALAD2
11	89896570	C	T	NAALAD2
11	89902154	A	G	NAALAD2
11	92086828	T	C	FAT3
11	92087959	G	A	FAT3
11	92531356	A	G	FAT3
11	92533057	A	G	FAT3
11	92534442	A	G	FAT3
11	92535012	G	A	FAT3
11	92538405	C	A	FAT3
11	92568149	A	G	FAT3
11	92569867	C	T	FAT3
11	92577352	G	A	FAT3
11	92577659	G	T	FAT3
11	92590448	A	G	FAT3
11	92613978	G	A	FAT3
11	92616034	G	A	FAT3
11	92623798	G	A	FAT3
11	92624235	C	T	FAT3
11	92714759	G	A	MTNR1B

11	92715081	G	A	MTNR1B
11	92895920	T	C	SLC36A4
11	92914858	G	A	SLC36A4
11	93103330	C	T	CCDC67
11	93104417	G	A	CCDC67
11	93129483	G	C	CCDC67
11	93129484	A	G	CCDC67
11	93141580	C	A	CCDC67
11	93408831	G	A	CEP295
11	93425159	C	A	CEP295
11	93430158	C	A	CEP295
11	93430335	G	A	CEP295
11	93430425	C	G	CEP295
11	93431931	C	A	CEP295
11	93456335	G	C	CEP295
11	93457532	C	G	CEP295
11	93460160	A	C	CEP295
11	93463070	A	T	CEP295
11	93469892	G	C	TAF1D
11	93471567	G	A	TAF1D
11	93554242	C	G	VSTM5
11	93583617	G	A	VSTM5
11	93797619	A	G	HEPHL1
11	93806252	C	T	HEPHL1
11	93837771	C	A	HEPHL1
11	93844087	G	A	HEPHL1
11	93862493	A	C	PANX1
11	93913036	A	G	PANX1
11	94113466	G	T	GPR83
11	94126732	T	C	GPR83
11	94192599	G	T	MRE11A
11	94278062	A	G	FUT4
11	94320265	A	C	PIWIL4
11	94322352	A	T	PIWIL4
11	94322358	G	A	PIWIL4
11	94326720	A	G	PIWIL4
11	94326765	G	C	PIWIL4
11	94330978	A	G	PIWIL4
11	94331007	C	A	PIWIL4
11	94335037	C	A	PIWIL4
11	94352943	T	C	PIWIL4
11	94533347	G	A	AMOTL1
11	94599186	G	A	AMOTL1

11	94602414	C	T	AMOTL1
11	94731759	G	A	KDM4D
11	94731822	C	G	KDM4D
11	94731905	C	G	KDM4D
11	94861962	G	A	ENDOD1
11	94862288	G	A	ENDOD1
11	94862577	G	T	ENDOD1
11	94906505	C	T	SESN3
11	95519380	C	T	FAM76B
11	95564259	A	G	CEP57
11	95568531	A	G	MTMR2
11	95571347	C	G	MTMR2
11	95591718	C	A	MTMR2
11	95657111	T	G	MTMR2
11	95712558	A	C	MAML2
11	95712897	G	T	MAML2
11	95713014	T	C	MAML2
11	95713077	C	T	MAML2
11	95825495	G	A	MAML2
11	95825755	G	C	MAML2
11	95826086	G	A	MAML2
11	95826485	T	C	MAML2
11	96074603	C	T	MAML2
11	96116444	T	C	CCDC82
11	96117467	G	C	CCDC82
11	96117520	C	T	CCDC82
11	96117537	A	C	CCDC82
11	96117812	T	C	CCDC82
11	100061865	A	G	CNTN5
11	100168410	T	A	CNTN5
11	100226883	T	A	CNTN5
11	100933412	C	A	PGR
11	100933439	G	C	PGR
11	100999245	G	A	PGR
11	100999579	G	T	PGR
11	101359750	G	A	TRPC6
11	101765654	G	A	ANGPTL5
11	101771248	G	A	ANGPTL5
11	101776527	A	G	ANGPTL5
11	101818803	C	G	CEP126
11	101828970	A	G	CEP126
11	101829006	G	A	CEP126
11	101832590	C	A	CEP126

11	101832608	T	C	CEP126
11	101832670	G	A	CEP126
11	101832689	A	T	CEP126
11	101833267	AAA	-	CEP126
11	101833899	G	T	CEP126
11	101857590	T	C	CEP126
11	102201850	G	A	BIRC3
11	102248377	C	T	BIRC2
11	102248406	A	G	BIRC2
11	102272800	T	G	TMEM123
11	102272839	C	A	TMEM123
11	102398593	C	T	MMP7
11	102401411	A	C	MMP7
11	102449808	C	G	MMP20
11	102477377	G	T	MMP20
11	102477395	A	G	MMP20
11	102482504	T	G	MMP20
11	102482620	G	A	MMP20
11	102482626	T	G	MMP20
11	102487663	C	T	MMP20
11	102495959	G	A	MMP20
11	102495998	T	G	MMP20
11	102562700	C	T	MMP27
11	102565760	G	C	MMP27
11	102567207	T	A	MMP27
11	102575379	T	C	MMP27
11	102576358	T	C	MMP27
11	102576375	G	A	MMP27
11	102576382	G	A	MMP27
11	102584104	T	G	MMP8
11	102584135	G	A	MMP8
11	102584484	C	T	MMP8
11	102593248	T	C	MMP8
11	102593266	C	T	MMP8
11	102595492	G	A	MMP8
11	102595579	G	C	MMP8
11	102641531	T	A	MMP10
11	102643604	G	T	MMP10
11	102643636	C	A	MMP10
11	102647396	A	G	MMP10
11	102649482	T	C	MMP10
11	102650389	C	T	MMP10
11	102650424	C	T	MMP10

11	102651313	G	C	MMP10
11	102663456	T	C	MMP1
11	102667447	A	-	MMP1
11	102668089	G	T	MMP1
11	102709907	A	G	MMP3
11	102712951	G	A	MMP3
11	102825189	T	G	MMP13
11	102933101	C	T	DCUN1D5
11	102988504	A	T	DYNC2H1
11	102991183	C	T	DYNC2H1
11	102991197	C	T	DYNC2H1
11	102991668	C	A	DYNC2H1
11	102992224	A	C	DYNC2H1
11	103019260	G	A	DYNC2H1
11	103024116	C	G	DYNC2H1
11	103025296	G	T	DYNC2H1
11	103026168	C	A	DYNC2H1
11	103027234	A	G	DYNC2H1
11	103036743	C	G	DYNC2H1
11	103039637	C	A	DYNC2H1
11	103046984	G	A	DYNC2H1
11	103047082	G	C	DYNC2H1
11	103082590	G	A	DYNC2H1
11	103090692	G	A	DYNC2H1
11	103107198	A	G	DYNC2H1
11	103114467	G	C	DYNC2H1
11	103153758	G	C	DYNC2H1
11	103158278	C	T	DYNC2H1
11	103349922	G	C	DYNC2H1
11	103818395	T	C	PDGFD
11	103907956	G	A	DDI1
11	103908233	A	C	DDI1
11	104817814	C	T	CASP4
11	104817857	A	G	CASP4
11	104821708	C	T	CASP4
11	104866515	G	A	CASP5
11	104868172	C	G	CASP5
11	104869708	G	C	CASP5
11	104877927	T	C	CASP5
11	104879658	T	A	CASP5
11	104897616	T	G	CASP1
11	104899901	T	C	CASP1
11	104900466	T	C	CASP1

11	104900535	C	T	CASP1
11	104912221	T	A	CARD16
11	104912339	A	T	CARD16
11	104971309	A	G	CARD17
11	104971362	A	G	CARD17
11	105923810	A	T	KBTBD3
11	107197640	T	C	CWF19L2
11	107207354	T	C	CWF19L2
11	107219690	CAA	-	CWF19L2
11	107286943	C	T	CWF19L2
11	107299623	A	C	CWF19L2
11	107299631	G	A	CWF19L2
11	107375422	C	A	ALKBH8
11	107381618	T	C	ALKBH8
11	107381630	G	T	ALKBH8
11	107427543	C	T	ALKBH8
11	107675467	C	T	SLC35F2
11	108032167	T	C	NPAT
11	108032233	C	A	NPAT
11	108032707	G	T	NPAT
11	108040484	G	T	NPAT
11	108043163	T	C	NPAT
11	108043536	AGA	-	NPAT
11	108043988	C	T	NPAT
11	108044091	T	A	NPAT
11	108098576	C	G	ATM
11	108106443	T	A	ATM
11	108117787	C	T	ATM
11	108119823	T	C	ATM
11	108123551	C	T	ATM
11	108124761	T	C	ATM
11	108138003	T	C	ATM
11	108141988	T	C	ATM
11	108143456	C	G	ATM
11	108155132	G	A	ATM
11	108158393	C	A	ATM
11	108160480	T	G	ATM
11	108160516	A	G	ATM
11	108170506	A	C	ATM
11	108175462	G	A	ATM
11	108175463	A	T	ATM
11	108186610	G	A	ATM
11	108188136	G	A	ATM

11	108196896	C	T	ATM
11	108264068	G	A	C11orf65
11	108277861	C	T	C11orf65
11	108345575	C	G	KDELC2
11	108352891	C	T	KDELC2
11	108357137	G	A	KDELC2
11	108361849	T	A	KDELC2
11	108361850	C	T	KDELC2
11	108380335	T	C	EXPH5
11	108380620	T	C	EXPH5
11	108381247	C	T	EXPH5
11	108382793	C	A	EXPH5
11	108383538	A	G	EXPH5
11	108383560	T	A	EXPH5
11	108384021	G	C	EXPH5
11	108384207	C	T	EXPH5
11	108384661	C	A	EXPH5
11	108384666	T	C	EXPH5
11	108385251	C	T	EXPH5
11	108409784	T	A	EXPH5
11	108464209	T	C	EXPH5
11	108536011	C	G	DDX10
11	108577478	T	G	DDX10
11	110007743	T	C	ZC3H12C
11	110104062	G	A	RDX
11	110450672	C	T	ARHGAP20
11	110454313	C	T	ARHGAP20
11	111177302	T	G	COLCA2
11	111179109	G	A	COLCA2
11	111590605	C	T	SIK2
11	111608216	T	A	PPP2R1B
11	111608258	C	G	PPP2R1B
11	111612783	T	C	PPP2R1B
11	111624270	T	C	PPP2R1B
11	111631738	AC	-	PPP2R1B
11	111635566	C	T	PPP2R1B
11	111706952	G	A	ALG9
11	111724133	C	T	ALG9
11	111746748	G	A	FDXACB1
11	111747587	C	T	FDXACB1
11	111747676	C	T	FDXACB1
11	111749349	A	T	FDXACB1
11	111753191	A	C	C11orf1

11	111753246	G	A	<i>C11orf1</i>
11	111784401	G	A	<i>HSPB2</i>
11	111795085	C	G	<i>C11orf52</i>
11	111896251	G	C	<i>DLAT</i>
11	111896324	C	T	<i>DLAT</i>
11	111916647	G	A	<i>DLAT</i>
11	111941959	G	A	<i>PIH1D2</i>
11	111942458	T	G	<i>PIH1D2</i>
11	111952743	G	C	<i>C11orf57</i>
11	112040041	C	G	<i>TEX12</i>
11	112041221	A	G	<i>TEX12</i>
11	112050057	C	G	<i>BCO2</i>
11	112065434	T	C	<i>BCO2</i>
11	112072789	A	G	<i>BCO2</i>
11	112085537	G	A	<i>BCO2</i>
11	112088499	A	C	<i>BCO2</i>
11	112123095	A	G	<i>PLET1</i>
11	112832340	C	-	<i>NCAM1</i>
11	112832353	T	C	<i>NCAM1</i>
11	113078586	G	A	<i>NCAM1</i>
11	113130951	G	T	<i>NCAM1</i>
11	113194168	A	C	<i>TTC12</i>
11	113222885	A	T	<i>TTC12</i>
11	113264382	G	A	<i>ANKK1</i>
11	113266821	G	A	<i>ANKK1</i>
11	113266863	T	C	<i>ANKK1</i>
11	113269792	C	A	<i>ANKK1</i>
11	113270015	G	C	<i>ANKK1</i>
11	113270042	G	A	<i>ANKK1</i>
11	113270777	G	A	<i>ANKK1</i>
11	113270828	G	A	<i>ANKK1</i>
11	113283437	T	C	<i>DRD2</i>
11	113283484	G	C	<i>DRD2</i>
11	113283488	G	A	<i>DRD2</i>
11	113561054	A	G	<i>TMPRSS5</i>
11	113561650	C	A	<i>TMPRSS5</i>
11	113570383	G	A	<i>TMPRSS5</i>
11	113570385	C	T	<i>TMPRSS5</i>
11	113610003	C	T	<i>ZW10</i>
11	113672358	C	A	<i>USP28</i>
11	113675654	T	C	<i>USP28</i>
11	113679076	T	C	<i>USP28</i>
11	113688407	G	A	<i>USP28</i>

11	113725011	T	C	<i>USP28</i>
11	113803028	A	C	<i>HTR3B</i>
11	113803108	A	C	<i>HTR3B</i>
11	113803666	G	A	<i>HTR3B</i>
11	113815354	T	G	<i>HTR3B</i>
11	113935094	G	A	<i>ZBTB16</i>
11	114393652	C	T	<i>NXPE1</i>
11	114400991	G	C	<i>NXPE1</i>
11	114401278	C	T	<i>NXPE1</i>
11	114441943	G	A	<i>NXPE4</i>
11	114442082	A	G	<i>NXPE4</i>
11	114442103	A	G	<i>NXPE4</i>
11	114442141	A	G	<i>NXPE4</i>
11	114453389	C	A	<i>NXPE4</i>
11	114576626	A	T	<i>NXPE2</i>
11	114577517	A	T	<i>NXPE2</i>
11	114577559	G	A	<i>NXPE2</i>
11	114577567	C	T	<i>NXPE2</i>
11	115375030	AGCCGG	-	<i>CADM1</i>
11	116631542	G	C	<i>BUD13</i>
11	116633724	C	T	<i>BUD13</i>
11	116633862	G	A	<i>BUD13</i>
11	116649759	T	C	<i>ZPR1</i>
11	116652892	A	T	<i>ZPR1</i>
11	116655859	C	T	<i>ZPR1</i>
11	116661001	G	A	<i>APOA5</i>
11	116662407	G	C	<i>APOA5</i>
11	116691634	C	A	<i>APOA4</i>
11	116691675	T	C	<i>APOA4</i>
11	116691675	T	A	<i>APOA4</i>
11	116692221	C	T	<i>APOA4</i>
11	116692334	C	T	<i>APOA4</i>
11	116692393	G	T	<i>APOA4</i>
11	116701353	C	T	<i>APOC3</i>
11	116701354	G	A	<i>APOC3</i>
11	116728630	G	C	<i>SIK3</i>
11	116729161	T	C	<i>SIK3</i>
11	116747025	C	T	<i>SIK3</i>
11	117052674	G	A	<i>SIDT2</i>
11	117052799	A	G	<i>SIDT2</i>
11	117054496	G	A	<i>SIDT2</i>
11	117063003	G	A	<i>SIDT2</i>
11	117063027	G	T	<i>SIDT2</i>

11	117063891	C	T	SIDT2
11	117076972	C	A	PCSK7
11	117079612	C	T	PCSK7
11	117089242	C	T	PCSK7
11	117090309	G	A	PCSK7
11	117105034	C	T	RNF214
11	117222592	G	A	CEP164
11	117234205	G	A	CEP164
11	117244534	C	T	CEP164
11	117266312	C	G	CEP164
11	117267884	A	G	CEP164
11	117282575	C	T	CEP164
11	117299424	C	T	DSCAML1
11	117403235	G	T	DSCAML1
11	117693184	C	T	FXVD6
11	117693413	G	A	FXVD6
11	117711076	C	G	FXVD6
11	117859165	A	G	IL10RA
11	117864063	A	G	IL10RA
11	117866313	T	G	IL10RA
11	117869691	G	A	IL10RA
11	117869854	G	A	IL10RA
11	117869878	C	T	IL10RA
11	117965530	A	G	TMPRSS4
11	117978578	G	A	TMPRSS4
11	117979606	G	C	TMPRSS4
11	117982464	A	G	TMPRSS4
11	117982495	T	G	TMPRSS4
11	117988105	C	T	TMPRSS4
11	118067537	C	G	JAML
11	118068752	T	C	JAML
11	118074337	A	G	JAML
11	118081270	C	T	JAML
11	118081345	A	T	JAML
11	118100634	T	A	MPZL3
11	118107852	C	T	MPZL3
11	118133799	T	-	MPZL2
11	118182885	C	T	CD3E
11	118219742	G	A	CD3G
11	118220536	T	C	CD3G
11	118221350	G	T	CD3G
11	118343378	G	A	KMT2A
11	118352769	G	A	KMT2A

11	118373179	G	A	KMT2A
11	118376925	A	G	KMT2A
11	118379865	T	C	KMT2A
11	118399344	G	C	TTC36
11	118399392	G	A	TTC36
11	118403069	G	T	TMEM25
11	118405068	A	G	TMEM25
11	118425758	G	C	IFT46
11	118427727	G	A	IFT46
11	118430519	C	T	IFT46
11	118499077	G	A	PHLDB1
11	118502670	T	C	PHLDB1
11	118516274	G	A	PHLDB1
11	118769550	A	C	BCL9L
11	118772287	A	G	BCL9L
11	118772516	T	C	BCL9L
11	118772825	T	C	BCL9L
11	118827667	T	-	UPK2
11	118849720	C	G	FOXR1
11	118869741	C	T	CCDC84
11	118898370	T	A	SLC37A4
11	118898436	C	-	SLC37A4
11	118898497	G	A	SLC37A4
11	118919562	C	T	HYOU1
11	118922814	T	C	HYOU1
11	118963869	G	A	HMBS
11	118967758	T	C	DPAGT1
11	118968185	A	C	DPAGT1
11	118978738	A	G	C2CD2L
11	118978785	G	A	C2CD2L
11	118983434	C	T	C2CD2L
11	119003845	A	G	HINFP
11	119005003	G	A	HINFP
11	119005132	C	T	HINFP
11	119020719	C	T	ABCG4
11	119025526	C	T	ABCG4
11	119043656	C	T	NLRX1
11	119043671	C	T	NLRX1
11	119044535	C	G	NLRX1
11	119050906	G	A	NLRX1
11	119052826	C	A	NLRX1
11	119058713	G	A	PDZD3
11	119059404	G	A	PDZD3

11	119061077	T	C	<i>CCDC153</i>
11	119063908	C	T	<i>CCDC153</i>
11	119064502	C	T	<i>CCDC153</i>
11	119149356	ATG	-	<i>CBL</i>
11	119169085	G	A	<i>CBL</i>
11	119183244	C	T	<i>MCAM</i>
11	119185677	T	C	<i>MCAM</i>
11	119213319	C	A	<i>MFRP</i>
11	119214636	G	T	<i>MFRP</i>
11	119216142	C	A	<i>MFRP</i>
11	119216836	C	T	<i>MFRP</i>
11	119227996	T	A	<i>USP2</i>
11	119243670	C	T	<i>USP2</i>
11	119510644	A	C	<i>PVRL1</i>
11	119548369	C	T	<i>PVRL1</i>
11	119548402	C	T	<i>PVRL1</i>
11	119986119	T	C	<i>TRIM29</i>
11	119989014	C	T	<i>TRIM29</i>
11	119998151	C	G	<i>TRIM29</i>
11	120097601	T	G	<i>OAF</i>
11	120099658	A	G	<i>OAF</i>
11	120099679	G	A	<i>OAF</i>
11	120175749	A	G	<i>POU2F3</i>
11	120187971	G	A	<i>POU2F3</i>
11	120298916	C	T	<i>ARHGEF12</i>
11	120317731	G	A	<i>ARHGEF12</i>
11	120340060	A	T	<i>ARHGEF12</i>
11	120348176	A	T	<i>ARHGEF12</i>
11	120833194	G	A	<i>GRIK4</i>
11	120973430	A	G	<i>TECTA</i>
11	120989335	A	G	<i>TECTA</i>
11	120998747	C	G	<i>TECTA</i>
11	121000774	T	C	<i>TECTA</i>
11	121030874	A	G	<i>TECTA</i>
11	121032819	C	T	<i>TECTA</i>
11	121032978	G	A	<i>TECTA</i>
11	121039471	T	C	<i>TECTA</i>
11	121367627	G	A	<i>SORL1</i>
11	121384931	A	C	<i>SORL1</i>
11	121393684	G	A	<i>SORL1</i>
11	121415993	T	A	<i>SORL1</i>
11	121437819	C	G	<i>SORL1</i>
11	121440937	T	C	<i>SORL1</i>

11	121444958	A	G	SORL1
11	121485586	A	G	SORL1
11	121485599	T	A	SORL1
11	121491782	G	A	SORL1
11	121495816	A	T	SORL1
11	121495911	G	A	SORL1
11	121498300	C	T	SORL1
11	121986344	T	G	BLID
11	122526821	G	A	UBASH3B
11	122526821	G	C	UBASH3B
11	122646967	G	A	UBASH3B
11	122738261	A	G	CRTAM
11	122742028	C	G	CRTAM
11	122756610	A	C	C11orf63
11	122848541	T	G	BSX
11	122955250	C	T	CLMP
11	123477383	A	G	GRAMD1B
11	123479372	G	A	GRAMD1B
11	123493266	C	G	GRAMD1B
11	123598898	T	C	ZNF202
11	123600475	A	G	ZNF202
11	123624553	C	T	OR6X1
11	123624658	G	T	OR6X1
11	123624673	G	A	OR6X1
11	123624769	A	G	OR6X1
11	123676231	G	T	OR6M1
11	123676476	C	G	OR6M1
11	123676777	C	T	OR6M1
11	123753937	A	G	TMEM225
11	123754844	T	C	TMEM225
11	123756102	C	T	TMEM225
11	123756132	T	C	TMEM225
11	123777296	G	A	OR8D4
11	123777302	T	G	OR8D4
11	123777412	A	G	OR8D4
11	123777497	G	A	OR8D4
11	123777502	C	T	OR8D4
11	123777536	G	A	OR8D4
11	123777546	G	C	OR8D4
11	123777736	T	C	OR8D4
11	123777986	T	C	OR8D4
11	123778031	G	A	OR8D4
11	123810492	A	C	OR4D5

11	123810918	A	G	OR4D5
11	123813635	G	C	OR6T1
11	123813720	C	T	OR6T1
11	123813795	T	C	OR6T1
11	123814145	G	T	OR6T1
11	123814356	G	A	OR6T1
11	123814439	A	G	OR6T1
11	123814478	A	G	OR6T1
11	123847473	A	G	OR10S1
11	123847831	A	G	OR10S1
11	123848064	G	A	OR10S1
11	123848121	T	C	OR10S1
11	123848212	C	T	OR10S1
11	123887107	A	G	OR10G4
11	123894455	G	C	OR10G9
11	123900694	A	G	OR10G8
11	123908879	G	A	OR10G7
11	124007900	C	T	VWA5A
11	124095414	C	G	OR8G2
11	124095647	A	C	OR8G2
11	124095884	A	G	OR8G2
11	124135438	G	A	OR8G5
11	124179902	G	A	OR8D1
11	124180082	A	G	OR8D1
11	124180282	A	C	OR8D1
11	124180359	A	C	OR8D1
11	124180458	C	T	OR8D1
11	124189306	G	A	OR8D2
11	124189729	C	T	OR8D2
11	124190033	G	A	OR8D2
11	124294236	A	G	OR8B4
11	124294349	C	A	OR8B4
11	124294377	A	G	OR8B4
11	124294703	T	C	OR8B4
11	124310518	C	T	OR8B8
11	124440362	C	G	OR8A1
11	124440617	C	T	OR8A1
11	124482977	G	C	PANX3
11	124487291	A	C	PANX3
11	124489274	A	G	PANX3
11	124489538	C	T	PANX3
11	124502114	C	T	TBRG1
11	124519650	C	A	SIAE

11	124530664	T	C	<i>SIAE</i>
11	124618346	A	G	<i>VSIG2</i>
11	124623769	C	A	<i>ESAM</i>
11	124624150	G	A	<i>ESAM</i>
11	124626569	G	A	<i>ESAM</i>
11	124626602	G	T	<i>ESAM</i>
11	124740063	C	T	<i>ROBO3</i>
11	124740559	C	T	<i>ROBO3</i>
11	124742365	G	A	<i>ROBO3</i>
11	124742385	G	A	<i>ROBO3</i>
11	124743284	C	T	<i>ROBO3</i>
11	124744752	C	T	<i>ROBO3</i>
11	124747839	G	T	<i>ROBO3</i>
11	124748196	G	A	<i>ROBO3</i>
11	124749145	G	A	<i>ROBO3</i>
11	124750448	CGGAGT	-	<i>ROBO3</i>
11	124750452	GT	-	<i>ROBO3</i>
11	124750453	T	-	<i>ROBO3</i>
11	124750471	C	A	<i>ROBO3</i>
11	124756982	G	A	<i>ROBO4</i>
11	124765511	T	G	<i>ROBO4</i>
11	124765575	C	T	<i>ROBO4</i>
11	124789743	AGG	-	<i>HEPN1</i>
11	124789828	A	T	<i>HEPN1</i>
11	124793682	T	C	<i>HEPACAM</i>
11	124857708	G	A	<i>CCDC15</i>
11	124875006	G	A	<i>CCDC15</i>
11	124947396	A	G	<i>SLC37A2</i>
11	124951767	G	A	<i>SLC37A2</i>
11	125221281	G	A	<i>PKNOX2</i>
11	125322254	C	G	<i>FEZ1</i>
11	125351472	A	T	<i>FEZ1</i>
11	125365285	T	C	<i>LOC403312</i>
11	125365372	C	G	<i>LOC403312</i>
11	125366454	A	G	<i>LOC403312</i>
11	125525195	A	G	<i>CHEK1</i>
11	125547794	C	T	<i>ACRV1</i>
11	125547869	C	T	<i>ACRV1</i>
11	125617606	G	A	<i>PATE1</i>
11	125617610	A	G	<i>PATE1</i>
11	125659320	C	A	<i>PATE3</i>
11	125659371	G	A	<i>PATE3</i>
11	125708293	T	G	<i>PATE4</i>

11	125708294	G	A	<i>PATE4</i>
11	125763746	C	G	<i>PUS3</i>
11	125765528	G	A	<i>PUS3</i>
11	125766022	C	T	<i>PUS3</i>
11	125766041	C	T	<i>PUS3</i>
11	125766044	C	A	<i>PUS3</i>
11	125766173	A	C	<i>PUS3</i>
11	125769354	T	C	<i>HYLS1</i>
11	125830970	A	T	<i>CDON</i>
11	125831724	C	T	<i>CDON</i>
11	125871715	G	A	<i>CDON</i>
11	125871721	G	C	<i>CDON</i>
11	125889526	C	T	<i>CDON</i>
11	125891269	C	T	<i>CDON</i>
11	126075494	G	A	<i>RPUSD4</i>
11	126075672	T	G	<i>RPUSD4</i>
11	126075677	C	T	<i>RPUSD4</i>
11	126081403	T	C	<i>RPUSD4</i>
11	126134931	C	T	<i>SRPRA</i>
11	126141370	A	C	<i>FOXRED1</i>
11	126162468	G	A	<i>TIRAP</i>
11	126162590	G	A	<i>TIRAP</i>
11	126162843	C	T	<i>TIRAP</i>
11	126213242	G	A	<i>DCPS</i>
11	126215285	G	A	<i>DCPS</i>
11	126215362	T	G	<i>DCPS</i>
11	126215438	G	A	<i>DCPS</i>
11	126276896	A	C	<i>ST3GAL4</i>
11	126283899	G	A	<i>ST3GAL4</i>
11	126318993	A	G	<i>KIRREL3</i>
11	126343227	T	C	<i>KIRREL3</i>
11	126432747	A	T	<i>KIRREL3</i>
11	128359269	C	T	<i>ETS1</i>
11	128709126	A	G	<i>KCNJ1</i>
11	128807650	-	C	<i>TP53AIP1</i>
11	128807694	G	A	<i>TP53AIP1</i>
11	128838936	C	T	<i>ARHGAP32</i>
11	128839526	C	G	<i>ARHGAP32</i>
11	128842742	C	T	<i>ARHGAP32</i>
11	128993344	T	C	<i>ARHGAP32</i>
11	129722427	T	C	<i>TMEM45B</i>
11	129739546	T	C	<i>NFRKB</i>
11	129756261	T	C	<i>NFRKB</i>

11	129780436	T	G	<i>PRDM10</i>
11	129794950	T	C	<i>PRDM10</i>
11	129817139	C	T	<i>PRDM10</i>
11	129817205	G	A	<i>PRDM10</i>
11	129827700	T	A	<i>PRDM10</i>
11	129991563	G	A	<i>APLP2</i>
11	130010313	G	A	<i>APLP2</i>
11	130058437	G	A	<i>ST14</i>
11	130059701	G	A	<i>ST14</i>
11	130060569	G	A	<i>ST14</i>
11	130066261	C	A	<i>ST14</i>
11	130131565	G	T	<i>ZBTB44</i>
11	130275533	C	T	<i>ADAMTS8</i>
11	130275749	T	C	<i>ADAMTS8</i>
11	130278773	C	T	<i>ADAMTS8</i>
11	130289117	T	C	<i>ADAMTS8</i>
11	130332457	T	C	<i>ADAMTS15</i>
11	130340962	A	G	<i>ADAMTS15</i>
11	130343306	C	T	<i>ADAMTS15</i>
11	130343451	C	T	<i>ADAMTS15</i>
11	130784841	CTT	-	<i>SNX19</i>
11	130784843	T	-	<i>SNX19</i>
11	130784843	T	A	<i>SNX19</i>
11	130784886	T	C	<i>SNX19</i>
11	132200049	G	A	<i>NTM</i>
11	132205008	C	T	<i>NTM</i>
11	132306610	C	T	<i>OPCML</i>
11	133714474	C	T	<i>SPATA19</i>
11	133714522	G	A	<i>SPATA19</i>
11	134026944	G	T	<i>NCAPD3</i>
11	134027868	G	A	<i>NCAPD3</i>
11	134037977	G	C	<i>NCAPD3</i>
11	134047319	T	C	<i>NCAPD3</i>
11	134062648	C	A	<i>NCAPD3</i>
11	134073605	C	G	<i>NCAPD3</i>
11	134090560	A	G	<i>NCAPD3</i>
11	134183850	T	C	<i>GLB1L3</i>
11	134226244	G	A	<i>GLB1L2</i>
11	134234269	A	G	<i>GLB1L2</i>
11	134237200	C	T	<i>GLB1L2</i>
11	134244912	C	T	<i>GLB1L2</i>
12	248071	G	C	<i>IQSEC3</i>
12	274696	-	AGTGTAAGTCT	<i>IQSEC3</i>

12	302492	C	G	SLC6A12
12	309864	C	T	SLC6A12
12	319124	C	T	SLC6A12
12	319125	A	G	SLC6A12
12	331781	C	T	SLC6A13
12	333193	C	T	SLC6A13
12	335631	C	T	SLC6A13
12	419000	C	T	KDM5A
12	420070	G	C	KDM5A
12	427575	A	G	KDM5A
12	438159	G	A	KDM5A
12	461384	T	C	KDM5A
12	542393	A	T	CCDC77
12	547683	T	C	CCDC77
12	644337	G	A	B4GALNT3
12	655811	G	T	B4GALNT3
12	657404	G	A	B4GALNT3
12	661656	A	G	B4GALNT3
12	662412	G	C	B4GALNT3
12	662873	C	T	B4GALNT3
12	667726	G	C	B4GALNT3
12	668548	G	A	B4GALNT3
12	670520	C	T	B4GALNT3
12	670595	G	A	B4GALNT3
12	772619	T	C	NINJ2
12	863152	G	A	WNK1
12	970413	A	G	WNK1
12	971291	C	T	WNK1
12	990912	A	C	WNK1
12	994324	A	G	WNK1
12	998365	G	T	WNK1
12	999638	C	T	WNK1
12	1003758	CAACTAGTT	-	WNK1
12	1023218	G	T	RAD52
12	1137217	A	G	ERC1
12	1192568	A	G	ERC1
12	1553797	A	G	ERC1
12	1702929	T	G	FBXL14
12	1741882	G	T	WNT5B
12	1895230	G	T	ADIPOR2
12	1908849	A	G	CACNA2D4
12	1910786	C	T	CACNA2D4
12	1937340	G	A	LRTM2

12	1937354	C	T	<i>LRTM2</i>
12	1940269	A	G	<i>LRTM2</i>
12	1940514	G	A	<i>LRTM2</i>
12	1965235	G	A	<i>CACNA2D4</i>
12	1995403	T	C	<i>CACNA2D4</i>
12	2058442	A	G	<i>DCP1B</i>
12	2061982	G	A	<i>DCP1B</i>
12	2062135	G	A	<i>DCP1B</i>
12	2064602	T	C	<i>DCP1B</i>
12	2064666	T	C	<i>DCP1B</i>
12	2595423	T	C	<i>CACNA1C</i>
12	2659186	G	A	<i>CACNA1C</i>
12	2797746	G	A	<i>CACNA1C</i>
12	2936425	G	A	<i>NRIP2</i>
12	2936435	G	A	<i>NRIP2</i>
12	2937208	T	C	<i>NRIP2</i>
12	2943924	G	A	<i>NRIP2</i>
12	2968169	A	G	<i>FOXM1</i>
12	2973547	G	T	<i>FOXM1</i>
12	2994578	C	G	<i>RHNO1</i>
12	2994612	A	G	<i>RHNO1</i>
12	2997158	C	T	<i>RHNO1</i>
12	2997303	T	G	<i>RHNO1</i>
12	2997368	C	G	<i>RHNO1</i>
12	3047365	G	C	<i>TULP3</i>
12	3049698	T	C	<i>TULP3</i>
12	3104142	C	G	<i>TEAD4</i>
12	3126630	G	A	<i>TEAD4</i>
12	3129932	C	T	<i>TEAD4</i>
12	3147203	C	T	<i>TEAD4</i>
12	3724583	T	C	<i>CRACR2A</i>
12	3728529	C	T	<i>CRACR2A</i>
12	3765493	G	T	<i>CRACR2A</i>
12	3782630	A	T	<i>CRACR2A</i>
12	3782647	A	T	<i>CRACR2A</i>
12	3788145	C	T	<i>CRACR2A</i>
12	3789452	C	T	<i>CRACR2A</i>
12	3806145	CCT	-	<i>CRACR2A</i>
12	3806147	T	C	<i>CRACR2A</i>
12	3806147	T	-	<i>CRACR2A</i>
12	4479549	G	A	<i>FGF23</i>
12	4543445	C	T	<i>FGF6</i>
12	4543487	T	A	<i>FGF6</i>

12	4554630	A	G	<i>FGF6</i>
12	4626307	A	G	<i>C12orf4</i>
12	4657293	A	G	<i>RAD51AP1</i>
12	4702211	A	T	<i>DYRK4</i>
12	4702230	G	A	<i>DYRK4</i>
12	4722717	A	T	<i>DYRK4</i>
12	4724976	G	A	<i>AKAP3</i>
12	4735894	G	A	<i>AKAP3</i>
12	4735965	-	C	<i>AKAP3</i>
12	4735970	A	-	<i>AKAP3</i>
12	4735970	A	-	<i>AKAP3</i>
12	4735970	-	CTTGTCATCTC	<i>AKAP3</i>
12	4736086	A	G	<i>AKAP3</i>
12	4736146	T	A	<i>AKAP3</i>
12	4736272	C	T	<i>AKAP3</i>
12	4736495	C	T	<i>AKAP3</i>
12	4736677	G	C	<i>AKAP3</i>
12	4737094	T	A	<i>AKAP3</i>
12	4737404	C	T	<i>AKAP3</i>
12	4737715	C	T	<i>AKAP3</i>
12	4791451	C	T	<i>NDUFA9</i>
12	4830000	T	G	<i>GALNT8</i>
12	4853740	G	A	<i>GALNT8</i>
12	4855365	G	T	<i>GALNT8</i>
12	4870175	C	T	<i>GALNT8</i>
12	4870233	A	G	<i>GALNT8</i>
12	4873163	G	T	<i>GALNT8</i>
12	4881738	A	G	<i>GALNT8</i>
12	5020680	C	A	<i>KCNA1</i>
12	5153946	G	C	<i>KCNA5</i>
12	5155046	G	A	<i>KCNA5</i>
12	5687598	G	A	<i>ANO2</i>
12	5841733	A	C	<i>ANO2</i>
12	6030295	C	T	<i>ANO2</i>
12	6030301	G	A	<i>ANO2</i>
12	6030405	A	G	<i>ANO2</i>
12	6061559	C	T	<i>VWF</i>
12	6062708	G	A	<i>VWF</i>
12	6078424	A	T	<i>VWF</i>
12	6103094	C	A	<i>VWF</i>
12	6103650	G	A	<i>VWF</i>
12	6125802	A	T	<i>VWF</i>
12	6140659	C	T	<i>VWF</i>

12	6143978	C	T	VWF
12	6143984	T	C	VWF
12	6153534	T	C	VWF
12	6155950	C	T	VWF
12	6172202	T	C	VWF
12	6173433	C	T	VWF
12	6182828	A	T	VWF
12	6421495	G	A	PLEKHG6
12	6436574	C	T	PLEKHG6
12	6442643	C	T	TNFRSF1A
12	6463942	G	T	SCNN1A
12	6464581	C	T	SCNN1A
12	6472752	G	A	SCNN1A
12	6554628	G	A	CD27
12	6560473	A	G	CD27
12	6562293	C	T	TAPBPL
12	6562382	G	A	TAPBPL
12	6562753	A	G	TAPBPL
12	6562768	G	C	TAPBPL
12	6562810	A	G	TAPBPL
12	6567907	C	T	TAPBPL
12	6568066	T	C	TAPBPL
12	6572006	G	A	VAMP1
12	6601475	G	A	MRPL51
12	6604331	G	T	NCAPD2
12	6619284	C	G	NCAPD2
12	6630988	A	G	NCAPD2
12	6630997	G	A	NCAPD2
12	6635274	G	A	NCAPD2
12	6639060	C	A	NCAPD2
12	6639981	C	G	NCAPD2
12	6639983	G	A	NCAPD2
12	6666496	C	T	NOP2
12	6666584	C	G	NOP2
12	6672587	C	T	NOP2
12	6672617	C	G	NOP2
12	6675769	CTC	-	NOP2
12	6747495	G	A	ACRBP
12	6753721	C	T	ACRBP
12	6787612	T	G	ZNF384
12	6804702	C	T	PIANP
12	6806530	C	T	PIANP
12	6884000	G	A	LAG3

12	6884585	A	T	LAG3
12	6887020	T	C	LAG3
12	6887446	A	T	LAG3
12	6887493	-	CCGGAG	LAG3
12	6925407	C	T	CD4
12	6928020	C	T	CD4
12	6935977	A	G	GPR162
12	6935988	GGAGGACGA	-	GPR162
12	6935992	G	-	GPR162
12	6936290	-	G	GPR162
12	6936296	G	C	GPR162
12	6954864	G	A	GNB3
12	6978545	G	T	TPI1
12	7015707	G	T	LRRC23
12	7016596	A	G	LRRC23
12	7022085	T	A	LRRC23
12	7023123	A	G	LRRC23
12	7045941	-	GCAGCAGCAG	ATN1
12	7047949	C	G	ATN1
12	7090193	A	G	LPCAT3
12	7092665	A	G	LPCAT3
12	7169873	A	G	C1S
12	7170336	G	A	C1S
12	7173893	G	A	C1S
12	7249598	T	C	C1RL
12	7252506	C	T	C1RL
12	7280880	C	G	RBP5
12	7281317	C	T	RBP5
12	7283287	G	T	CLSTN3
12	7288041	G	T	CLSTN3
12	7288432	A	G	CLSTN3
12	7303548	C	T	CLSTN3
12	7354399	G	C	PEX5
12	7355269	T	C	PEX5
12	7463324	G	T	ACSM4
12	7475081	C	T	ACSM4
12	7480931	C	T	ACSM4
12	7521535	A	G	CD163L1
12	7522073	T	C	CD163L1
12	7526149	C	T	CD163L1
12	7526166	A	T	CD163L1
12	7527124	A	G	CD163L1
12	7527284	C	T	CD163L1

12	7528404	C	T	CD163L1
12	7551022	A	T	CD163L1
12	7556160	C	T	CD163L1
12	7559359	C	T	CD163L1
12	7637769	G	A	CD163
12	7649484	T	C	CD163
12	7802147	C	T	APOBEC1
12	7805154	G	A	APOBEC1
12	7805236	C	G	APOBEC1
12	7807217	C	T	APOBEC1
12	7818468	T	C	APOBEC1
12	7842587	C	G	GDF3
12	7842773	G	A	GDF3
12	7842932	C	T	GDF3
12	7894056	G	A	CLEC4C
12	7922699	C	T	NANOGNB
12	8200766	C	T	FOXJ2
12	8211784	A	G	C3AR1
12	8278181	A	T	CLEC4A
12	8278195	G	A	CLEC4A
12	8608730	A	C	CLEC6A
12	8667897	A	G	CLEC4D
12	8975873	C	G	A2ML1
12	8976358	C	G	A2ML1
12	8990937	C	A	A2ML1
12	9002809	G	A	A2ML1
12	9004550	G	A	A2ML1
12	9004892	C	A	A2ML1
12	9013755	C	T	A2ML1
12	9013783	C	T	A2ML1
12	9016456	C	T	A2ML1
12	9020489	A	G	A2ML1
12	9020598	A	G	A2ML1
12	9229986	C	T	A2M
12	9232312	T	C	A2M
12	9243017	G	A	A2M
12	9303296	A	T	PZP
12	9312951	G	A	PZP
12	9316773	T	C	PZP
12	9321501	C	T	PZP
12	9321534	G	A	PZP
12	9346789	A	T	PZP
12	9346792	G	C	PZP

12	9360927	T	C	PZP
12	9750669	A	G	KLRB1
12	9751202	C	T	KLRB1
12	9822387	C	G	CLEC2D
12	9833524	C	G	CLEC2D
12	9847364	T	C	CLEC2D
12	9847448	C	T	CLEC2D
12	9875323	T	C	CLECL1
12	9875356	C	A	CLECL1
12	9885578	G	A	CLECL1
12	9885682	T	C	CLECL1
12	9885707	-	TAAGT	CLECL1
12	9885840	A	T	CLECL1
12	9984965	G	A	KLRF1
12	9994446	TGT	-	KLRF1
12	10066199	T	C	CLEC2A
12	10066205	T	A	CLEC2A
12	10069302	C	T	CLEC2A
12	10149851	C	T	CLEC1B
12	10150920	C	T	CLEC1B
12	10163375	C	A	CLEC12B
12	10167277	G	C	CLEC12B
12	10224073	T	G	CLEC1A
12	10251445	C	G	CLEC1A
12	10271087	A	C	CLEC7A
12	10275908	G	A	CLEC7A
12	10313448	C	G	OLR1
12	10332200	G	A	TMEM52B
12	10339095	C	T	TMEM52B
12	10462052	T	G	KLRC1
12	10532326	T	C	KLRC4
12	10560957	T	C	KLRC4
12	10562089	A	C	KLRC4
12	10571091	T	G	KLRC3
12	10603670	T	C	KLRC1
12	10783767	G	A	STYK1
12	10862617	G	A	YBX3
12	10954583	A	T	TAS2R7
12	10954632	C	A	TAS2R7
12	10954916	A	G	TAS2R7
12	10959210	A	C	TAS2R8
12	10959416	C	A	TAS2R8
12	10959438	G	A	TAS2R8

12	10961978	C	T	TAS2R9
12	10962115	A	G	TAS2R9
12	10962140	T	C	TAS2R9
12	10962225	A	T	TAS2R9
12	10978402	G	A	TAS2R10
12	10999708	T	C	PRR4
12	10999780	C	T	PRR4
12	11034842	G	T	PRH1
12	11061122	T	C	TAS2R13
12	11061351	T	C	TAS2R13
12	11091206	G	A	TAS2R14
12	11091551	T	C	TAS2R14
12	11149711	C	A	TAS2R20
12	11149720	A	G	TAS2R20
12	11214632	AGA	-	TAS2R46
12	11286088	A	C	TAS2R30
12	11338613	C	G	TAS2R42
12	11338669	C	T	TAS2R42
12	11338750	T	C	TAS2R42
12	11338781	C	A	TAS2R42
12	11339020	T	A	TAS2R42
12	11420206	C	T	PRB3
12	11421038	G	A	PRB3
12	11421064	C	G	PRB3
12	11421067	C	G	PRB3
12	11461154	C	G	PRB4
12	11463283	T	C	PRB4
12	12006412	G	A	ETV6
12	12022496	T	C	ETV6
12	12247793	A	T	BCL2L14
12	12247836	C	T	BCL2L14
12	12339949	T	C	LRP6
12	12483764	C	T	MANSC1
12	12496086	C	T	MANSC1
12	12514203	C	G	BORCS5
12	12618541	A	G	BORCS5
12	12630140	T	G	DUSP16
12	12630666	GCACGCTGG	-	DUSP16
12	12630669	C	-	DUSP16
12	12630669	C	T	DUSP16
12	12630682	GGGC	-	DUSP16
12	12814818	C	T	GPR19
12	12815037	C	T	GPR19

12	12871099	T	G	<i>CDKN1B</i>
12	13061365	G	-	<i>GPRC5A</i>
12	13061554	G	A	<i>GPRC5A</i>
12	13061583	A	G	<i>GPRC5A</i>
12	13061727	A	G	<i>GPRC5A</i>
12	13102482	GGCATTGCCTT-		<i>GPRC5D</i>
12	13102576	G	A	<i>GPRC5D</i>
12	13228994	A	G	<i>FAM234B</i>
12	13240162	G	A	<i>GSG1</i>
12	13243536	C	T	<i>GSG1</i>
12	13243647	A	G	<i>GSG1</i>
12	13364484	G	A	<i>EMP1</i>
12	13366504	G	A	<i>EMP1</i>
12	14577288	G	A	<i>ATF7IP</i>
12	14577376	CTGGTGATGCC-		<i>ATF7IP</i>
12	14577404	C	-	<i>ATF7IP</i>
12	14577681	G	A	<i>ATF7IP</i>
12	14577892	A	T	<i>ATF7IP</i>
12	14578354	C	T	<i>ATF7IP</i>
12	14587301	A	G	<i>ATF7IP</i>
12	14589113	G	C	<i>ATF7IP</i>
12	14613848	A	G	<i>ATF7IP</i>
12	14634050	C	T	<i>ATF7IP</i>
12	14656768	G	C	<i>PLBD1</i>
12	14659926	C	T	<i>PLBD1</i>
12	14664250	A	G	<i>PLBD1</i>
12	14688644	C	T	<i>PLBD1</i>
12	14778749	G	T	<i>GUCY2C</i>
12	14829843	G	A	<i>GUCY2C</i>
12	14829893	A	C	<i>GUCY2C</i>
12	14839149	C	T	<i>GUCY2C</i>
12	14927737	C	G	<i>H2AFJ</i>
12	14959292	T	A	<i>SMCO3</i>
12	14959470	A	G	<i>SMCO3</i>
12	14976035	A	T	<i>C12orf60</i>
12	14976063	A	G	<i>C12orf60</i>
12	14976178	T	A	<i>C12orf60</i>
12	14976375	C	T	<i>C12orf60</i>
12	14976418	T	-	<i>C12orf60</i>
12	14976418	TA	-	<i>C12orf60</i>
12	14982352	G	C	<i>ART4</i>
12	14993439	C	T	<i>ART4</i>
12	14993666	G	A	<i>ART4</i>

12	15035081	T	C	MGP
12	15035919	T	C	MGP
12	15035961	T	G	MGP
12	15102799	C	G	ARHGDIB
12	15262136	G	A	RERG
12	15654977	A	G	PTPRO
12	15661564	G	A	PTPRO
12	15776164	A	C	EPS8
12	15777273	C	T	EPS8
12	15777287	A	G	EPS8
12	15784544	G	T	EPS8
12	15800074	G	A	EPS8
12	15834192	T	C	EPS8
12	16035712	G	A	STRAP
12	18234256	T	C	RERGL
12	18234352	G	A	RERGL
12	18435399	CCC	-	PIK3C2G
12	18435452	C	T	PIK3C2G
12	18473941	T	C	PIK3C2G
12	18552760	C	G	PIK3C2G
12	18576899	C	A	PIK3C2G
12	18649003	C	G	PIK3C2G
12	18649057	C	T	PIK3C2G
12	18656259	C	T	PIK3C2G
12	18691148	A	-	PIK3C2G
12	18719887	C	T	PIK3C2G
12	18719972	T	G	PIK3C2G
12	18793382	C	T	PIK3C2G
12	18800961	G	C	PIK3C2G
12	18841115	G	A	PLCZ1
12	18891317	C	T	CAPZA3
12	18891318	G	A	CAPZA3
12	18891663	G	T	CAPZA3
12	18891703	C	A	CAPZA3
12	19408017	G	A	PLEKHA5
12	19427764	T	C	PLEKHA5
12	19427766	A	G	PLEKHA5
12	19500060	C	T	PLEKHA5
12	19500111	C	T	PLEKHA5
12	20522252	G	A	PDE3A
12	20522796	T	C	PDE3A
12	20522979	A	G	PDE3A
12	20769270	G	A	PDE3A

12	20864342	C	A	SLCO1C1
12	21011480	T	G	SLCO1B3
12	21014025	A	G	SLCO1B3
12	21015760	G	A	SLCO1B3
12	21174496	C	T	SLCO1B7
12	21176135	T	C	SLCO1B7
12	21196424	T	A	SLCO1B7
12	21200089	A	G	SLCO1B7
12	21201663	G	A	SLCO1B7
12	21327601	T	C	SLCO1B1
12	21329738	A	G	SLCO1B1
12	21329813	C	A	SLCO1B1
12	21331549	T	C	SLCO1B1
12	21446892	G	A	SLCO1A2
12	21450350	T	C	SLCO1A2
12	21457434	T	G	SLCO1A2
12	21487544	A	G	SLCO1A2
12	21602576	G	A	PYROXD1
12	21624546	C	G	RECQL
12	21665245	G	A	GOLT1B
12	21689946	A	G	GYS2
12	21689995	C	T	GYS2
12	21690035	C	G	GYS2
12	21695439	T	C	GYS2
12	21695522	T	G	GYS2
12	21713402	T	C	GYS2
12	21790075	C	T	LDHB
12	21918667	G	A	KCNJ8
12	22015989	C	T	ABCC9
12	22017410	C	T	ABCC9
12	22354651	C	A	ST8SIA1
12	22623772	T	C	C2CD5
12	22814023	A	G	ETNK1
12	22826516	A	T	ETNK1
12	24985659	C	T	BCAT1
12	24985740	C	T	BCAT1
12	25047312	G	A	BCAT1
12	25232608	T	A	LRMP
12	25261702	A	G	CASC1
12	25311489	G	T	CASC1
12	25679729	C	T	LMNTD1
12	25702478	C	T	LMNTD1
12	25705804	C	T	LMNTD1

12	26275898	C	T	<i>BHLHE41</i>
12	26383834	G	A	<i>SSPN</i>
12	26383959	G	A	<i>SSPN</i>
12	26752256	C	T	<i>ITPR2</i>
12	26755563	C	T	<i>ITPR2</i>
12	26755617	A	C	<i>ITPR2</i>
12	26834858	G	A	<i>ITPR2</i>
12	27143508	G	A	<i>TM7SF3</i>
12	27156182	A	G	<i>TM7SF3</i>
12	27234914	G	A	<i>C12orf71</i>
12	27234999	T	C	<i>C12orf71</i>
12	27523100	C	T	<i>ARNTL2</i>
12	27540204	A	G	<i>ARNTL2</i>
12	27553566	A	G	<i>ARNTL2</i>
12	27553662	T	C	<i>ARNTL2</i>
12	27556389	A	G	<i>ARNTL2</i>
12	27628607	C	T	<i>SMCO2</i>
12	27641445	C	T	<i>SMCO2</i>
12	27641473	G	A	<i>SMCO2</i>
12	27648710	C	T	<i>SMCO2</i>
12	27840420	C	T	<i>PPFIBP1</i>
12	27841260	G	C	<i>PPFIBP1</i>
12	27849796	A	G	<i>REP15</i>
12	27850113	A	T	<i>REP15</i>
12	27867727	G	A	<i>MRPS35</i>
12	27915699	C	T	<i>MANSC4</i>
12	27915718	A	T	<i>MANSC4</i>
12	27916206	G	A	<i>MANSC4</i>
12	27916224	A	G	<i>MANSC4</i>
12	28412372	G	A	<i>CCDC91</i>
12	28459796	C	T	<i>CCDC91</i>
12	28603112	A	G	<i>CCDC91</i>
12	28605426	G	A	<i>CCDC91</i>
12	29596365	T	C	<i>OVCH1</i>
12	29598258	A	G	<i>OVCH1</i>
12	29598292	G	A	<i>OVCH1</i>
12	29604392	C	G	<i>OVCH1</i>
12	29617550	G	A	<i>OVCH1</i>
12	29630081	G	A	<i>OVCH1</i>
12	29630102	G	A	<i>OVCH1</i>
12	29639186	T	C	<i>OVCH1</i>
12	29648265	A	G	<i>OVCH1</i>
12	29648275	G	A	<i>OVCH1</i>

12	29648364	G	A	OVCH1
12	29659815	T	-	TMTC1
12	29673599	C	T	TMTC1
12	29709922	C	T	TMTC1
12	29786126	G	A	TMTC1
12	30787094	G	A	IPO8
12	30789975	C	T	IPO8
12	30809648	T	C	IPO8
12	30834736	C	T	IPO8
12	30877343	T	C	CAPRIN2
12	30878976	G	C	CAPRIN2
12	30881809	T	C	CAPRIN2
12	30888001	T	C	CAPRIN2
12	30906358	G	A	CAPRIN2
12	31106941	A	C	TSPAN11
12	31135579	T	C	TSPAN11
12	31249861	C	G	DDX11
12	31600503	T	C	DENND5B
12	31605044	G	T	DENND5B
12	31613214	G	A	DENND5B
12	31648826	C	T	DENND5B
12	31820718	C	G	METTTL20
12	31820844	G	A	METTTL20
12	31944985	T	G	H3F3C
12	32134064	A	G	KIAA1551
12	32134207	C	A	KIAA1551
12	32134638	T	C	KIAA1551
12	32134815	G	A	KIAA1551
12	32134926	G	A	KIAA1551
12	32134943	A	G	KIAA1551
12	32135186	T	A	KIAA1551
12	32135835	T	G	KIAA1551
12	32137067	A	G	KIAA1551
12	32137512	C	G	KIAA1551
12	32137565	G	A	KIAA1551
12	32138720	A	G	KIAA1551
12	32490665	G	A	BICD1
12	32772659	C	A	FGD4
12	32778663	C	A	FGD4
12	32791796	G	A	FGD4
12	32793315	G	A	FGD4
12	32860302	G	A	DNM1L
12	32908237	C	A	YARS2

12	32908274	T	G	YARS2
12	32908705	G	T	YARS2
12	32949101	G	T	PKP2
12	32977026	C	T	PKP2
12	32994058	A	C	PKP2
12	32994073	G	A	PKP2
12	32994100	T	C	PKP2
12	33021934	A	G	PKP2
12	33030802	T	C	PKP2
12	33031395	G	A	PKP2
12	33532804	T	G	SYT10
12	38712142	C	G	ALG10B
12	38714351	T	G	ALG10B
12	38714929	A	G	ALG10B
12	39709031	C	T	KIF21A
12	39713776	C	A	KIF21A
12	39716500	G	C	KIF21A
12	39724052	A	G	KIF21A
12	39725496	T	C	KIF21A
12	39735348	C	A	KIF21A
12	39751215	C	G	KIF21A
12	40085906	A	T	C12orf40
12	40114781	A	G	C12orf40
12	40258678	G	A	SLC2A13
12	40629436	T	C	LRRK2
12	40645075	G	A	LRRK2
12	40657700	C	G	LRRK2
12	40671989	A	G	LRRK2
12	40702911	G	A	LRRK2
12	40707861	C	T	LRRK2
12	40713899	T	C	LRRK2
12	40713901	T	A	LRRK2
12	40758652	T	C	LRRK2
12	41966299	C	A	PDZRN4
12	42499871	-	AGGCAAGAACC	GXYLT1
12	42748968	A	C	PPHLN1
12	42839890	C	T	PPHLN1
12	42853871	G	A	PRICKLE1
12	43770046	A	C	ADAMTS20
12	43821128	A	T	ADAMTS20
12	43822171	G	A	ADAMTS20
12	43826204	C	T	ADAMTS20
12	43828141	T	A	ADAMTS20

12	43846199	G	T	ADAMTS20
12	44130330	G	A	PUS7L
12	44142334	G	A	PUS7L
12	44148180	C	T	PUS7L
12	44148259	T	C	PUS7L
12	44148460	C	A	PUS7L
12	44148773	A	C	PUS7L
12	44177511	G	A	IRAK4
12	44180295	G	A	IRAK4
12	44913858	A	G	NELL2
12	45059310	G	C	NELL2
12	45059357	G	A	NELL2
12	45108480	T	C	NELL2
12	45444383	G	A	DBX2
12	45444431	G	C	DBX2
12	45610140	GGA	-	ANO6
12	45686703	T	A	ANO6
12	45782052	G	A	ANO6
12	45833557	G	A	ANO6
12	46243365	C	T	ARID2
12	46246611	G	A	ARID2
12	46285585	G	C	ARID2
12	46319945	TCT	-	SCAF11
12	46320876	C	A	SCAF11
12	46320944	C	T	SCAF11
12	46321514	A	T	SCAF11
12	46321616	T	C	SCAF11
12	46322436	C	T	SCAF11
12	46345447	C	T	SCAF11
12	46591791	C	T	SLC38A1
12	46756366	C	T	SLC38A2
12	46758462	G	A	SLC38A2
12	46764973	G	A	SLC38A2
12	47170764	G	A	SLC38A4
12	47172417	A	G	SLC38A4
12	47173617	T	C	SLC38A4
12	47186770	C	T	SLC38A4
12	48090135	T	C	RPAP3
12	48091499	G	A	RPAP3
12	48106391	-	T	ENDOU
12	48142636	C	T	RAPGEF3
12	48151789	G	A	RAPGEF3
12	48181902	G	A	HDAC7

12	48191247	C	T	<i>HDAC7</i>
12	48358203	A	G	<i>TMEM106C</i>
12	48359676	G	T	<i>TMEM106C</i>
12	48359984	C	T	<i>TMEM106C</i>
12	48361002	C	T	<i>TMEM106C</i>
12	48367976	C	T	<i>COL2A1</i>
12	48368541	C	T	<i>COL2A1</i>
12	48369250	C	T	<i>COL2A1</i>
12	48380926	G	A	<i>COL2A1</i>
12	48391657	T	A	<i>COL2A1</i>
12	48482726	T	C	<i>SENP1</i>
12	48538908	G	A	<i>PFKM</i>
12	48543237	C	T	<i>ASB8</i>
12	48577976	C	T	<i>CCDC184</i>
12	48596241	A	G	<i>OR10AD1</i>
12	48596484	A	T	<i>OR10AD1</i>
12	48596546	C	T	<i>OR10AD1</i>
12	48596579	C	T	<i>OR10AD1</i>
12	48596590	A	C	<i>OR10AD1</i>
12	48596875	-	A	<i>OR10AD1</i>
12	48597051	T	G	<i>OR10AD1</i>
12	48597053	A	G	<i>OR10AD1</i>
12	48723324	C	G	<i>H1FNT</i>
12	48723595	G	A	<i>H1FNT</i>
12	48723784	C	T	<i>H1FNT</i>
12	48736985	T	G	<i>ZNF641</i>
12	48866585	A	C	<i>ANP32D</i>
12	48866669	C	G	<i>ANP32D</i>
12	48884610	C	T	<i>C12orf54</i>
12	48888594	C	T	<i>C12orf54</i>
12	48919556	A	G	<i>OR8S1</i>
12	48919659	T	C	<i>OR8S1</i>
12	48920006	G	A	<i>OR8S1</i>
12	48920073	G	A	<i>OR8S1</i>
12	48963021	T	C	<i>LALBA</i>
12	49047912	C	T	<i>KANSL2</i>
12	49061511	T	C	<i>KANSL2</i>
12	49087434	ATG	-	<i>CCNT1</i>
12	49087441	T	C	<i>CCNT1</i>
12	49165650	C	T	<i>ADCY6</i>
12	49169162	C	T	<i>ADCY6</i>
12	49170029	A	G	<i>ADCY6</i>
12	49176805	C	T	<i>ADCY6</i>

12	49217152	G	A	CACNB3
12	49298799	T	C	CCDC65
12	49308284	A	G	CCDC65
12	49310787	C	A	CCDC65
12	49312540	C	T	CCDC65
12	49312681	G	T	CCDC65
12	49314994	A	G	CCDC65
12	49360147	G	A	WNT10B
12	49373410	T	A	WNT1
12	49375064	G	C	WNT1
12	49390677	T	C	DDN
12	49399132	G	C	PRKAG1
12	49425575	C	T	KMT2D
12	49426460	A	G	KMT2D
12	49427495	G	C	KMT2D
12	49428694	T	C	KMT2D
12	49430947	T	C	KMT2D
12	49432365	G	A	KMT2D
12	49433883	G	A	KMT2D
12	49434409	G	A	KMT2D
12	49443634	G	A	KMT2D
12	49443979	G	A	KMT2D
12	49448463	C	T	KMT2D
12	49498284	T	G	LMBR1L
12	49689009	G	A	PRPH
12	49690798	G	A	PRPH
12	49721015	C	T	TROAP
12	49722816	C	T	TROAP
12	49724153	T	A	TROAP
12	49724228	C	T	TROAP
12	49743359	TCC	-	DNAJC22
12	49743397	G	A	DNAJC22
12	49884473	A	G	SPATS2
12	49918501	G	A	SPATS2
12	49919826	-	A	SPATS2
12	49919934	G	A	SPATS2
12	49951296	C	G	KCNH3
12	49951528	C	T	KCNH3
12	49951550	G	T	KCNH3
12	49953587	G	A	MCRS1
12	49960215	C	T	MCRS1
12	49993678	C	T	FAM186B
12	49994291	T	C	FAM186B

12	49994785	G	A	<i>FAM186B</i>
12	49997088	C	T	<i>FAM186B</i>
12	50029740	G	A	<i>PRPF40B</i>
12	50146311	C	G	<i>TMBIM6</i>
12	50146811	A	G	<i>TMBIM6</i>
12	50187579	C	A	<i>NCKAP5L</i>
12	50189475	C	G	<i>NCKAP5L</i>
12	50189602	A	G	<i>NCKAP5L</i>
12	50232608	C	T	<i>BCDIN3D</i>
12	50291798	T	C	<i>FAIM2</i>
12	50357924	C	T	<i>AQP5</i>
12	50358929	G	A	<i>AQP5</i>
12	50369305	G	A	<i>AQP6</i>
12	50500141	T	C	<i>GPD1</i>
12	50500678	T	C	<i>GPD1</i>
12	50537815	A	G	<i>CERS5</i>
12	50561023	G	A	<i>CERS5</i>
12	50571079	C	T	<i>LIMA1</i>
12	50724444	G	C	<i>FAM186A</i>
12	50727706	G	C	<i>FAM186A</i>
12	50727811	C	T	<i>FAM186A</i>
12	50744581	A	T	<i>FAM186A</i>
12	50744680	C	G	<i>FAM186A</i>
12	50745457	C	A	<i>FAM186A</i>
12	50746872	G	A	<i>FAM186A</i>
12	50748127	C	T	<i>FAM186A</i>
12	50749554	G	T	<i>FAM186A</i>
12	50754563	T	G	<i>FAM186A</i>
12	50848132	T	A	<i>LARP4</i>
12	51068409	G	A	<i>DIP2B</i>
12	51072605	T	C	<i>DIP2B</i>
12	51080364	C	T	<i>DIP2B</i>
12	51108283	C	A	<i>DIP2B</i>
12	51208122	C	G	<i>ATF1</i>
12	51236802	T	C	<i>TMPRSS12</i>
12	51236818	C	G	<i>TMPRSS12</i>
12	51252699	T	C	<i>TMPRSS12</i>
12	51252787	C	A	<i>TMPRSS12</i>
12	51281120	G	A	<i>TMPRSS12</i>
12	51319221	G	A	<i>METTLL7A</i>
12	51347786	C	T	<i>HIGD1C</i>
12	51354842	G	A	<i>HIGD1C</i>
12	51382124	C	T	<i>SLC11A2</i>

12	51386017	G	T	SLC11A2
12	51399206	C	T	SLC11A2
12	51442944	G	A	LETMD1
12	51451867	G	A	LETMD1
12	51639899	A	G	DAZAP2
12	51681903	T	C	BIN2
12	51685707	T	C	BIN2
12	51696879	G	C	BIN2
12	51707626	C	T	BIN2
12	51723598	-	G	CELA1
12	51737562	T	C	CELA1
12	51737607	G	A	CELA1
12	51739625	C	T	CELA1
12	51773471	C	T	GALNT6
12	52162823	C	T	SCN8A
12	52282873	A	T	ANKRD33
12	52283225	G	A	ANKRD33
12	52284668	C	A	ANKRD33
12	52285052	G	A	ANKRD33
12	52314610	C	T	ACVRL1
12	52402998	C	T	GRASP
12	52448188	C	G	NR4A1
12	52448861	T	C	NR4A1
12	52467675	GGGGAGTTCA/-		ATG101
12	52585500	C	T	KRT80
12	52585524	T	C	KRT80
12	52629060	G	A	KRT7
12	52631313	A	G	KRT7
12	52639302	G	C	KRT7
12	52642426	C	T	KRT7
12	52681923	T	C	KRT81
12	52681925	A	C	KRT81
12	52685213	T	G	KRT81
12	52708420	G	A	KRT83
12	52709122	C	G	KRT83
12	52711549	G	T	KRT83
12	52711747	C	A	KRT83
12	52758171	G	A	KRT85
12	52777513	T	C	KRT84
12	52777578	C	T	KRT84
12	52779006	A	C	KRT84
12	52779008	C	T	KRT84
12	52779159	G	A	KRT84

12	52788814	C	T	KRT82
12	52788928	G	A	KRT82
12	52788945	C	G	KRT82
12	52790747	G	A	KRT82
12	52797617	G	A	KRT82
12	52799675	G	T	KRT82
12	52799788	T	C	KRT82
12	52799923	G	A	KRT82
12	52818377	C	T	KRT75
12	52818504	T	G	KRT75
12	52822142	A	G	KRT75
12	52827740	G	C	KRT75
12	52827818	T	C	KRT75
12	52882325	T	C	KRT6A
12	52885316	A	G	KRT6A
12	52885339	C	T	KRT6A
12	52885340	C	T	KRT6A
12	52908872	C	T	KRT5
12	52908917	T	C	KRT5
12	52913668	C	T	KRT5
12	52938320	C	T	KRT71
12	52941682	T	A	KRT71
12	52941699	G	A	KRT71
12	52946498	C	T	KRT71
12	52946543	C	T	KRT71
12	52960836	T	C	KRT74
12	52960884	C	T	KRT74
12	52960917	G	A	KRT74
12	52962167	T	C	KRT74
12	52965173	T	G	KRT74
12	52965240	T	C	KRT74
12	52966428	G	C	KRT74
12	52967264	C	T	KRT74
12	52986187	T	C	KRT72
12	52992812	T	C	KRT72
12	52994896	A	G	KRT72
12	52995098	T	C	KRT72
12	53004603	G	A	KRT73
12	53008439	G	A	KRT73
12	53069014	T	C	KRT1
12	53070174	C	A	KRT1
12	53071246	T	A	KRT1
12	53086339	-	CAGCTACTCAG	KRT77

12	53086339	-	CAGCTACTCAG	KRT77
12	53086339	-	CAGCTACTCAG	KRT77
12	53086339	-	CAGCTACTCAG	KRT77
12	53086339	-	CAGCTACTCAG	KRT77
12	53086342	G	-	KRT77
12	53088484	C	T	KRT77
12	53088525	G	A	KRT77
12	53091566	C	A	KRT77
12	53096894	C	T	KRT77
12	53097125	G	A	KRT77
12	53162528	G	A	KRT76
12	53162655	C	T	KRT76
12	53165940	C	T	KRT76
12	53165949	C	T	KRT76
12	53165991	T	A	KRT76
12	53167395	C	T	KRT76
12	53167416	C	A	KRT76
12	53170960	G	C	KRT76
12	53186088	G	C	KRT3
12	53189577	G	A	KRT3
12	53205601	C	T	KRT4
12	53205757	T	C	KRT4
12	53216950	T	C	KRT79
12	53217726	T	A	KRT79
12	53217751	G	A	KRT79
12	53223865	T	C	KRT79
12	53225280	C	T	KRT79
12	53227788	C	T	KRT79
12	53227803	A	G	KRT79
12	53227908	C	T	KRT79
12	53227957	G	A	KRT79
12	53233019	C	T	KRT78
12	53238422	A	C	KRT78
12	53240018	C	T	KRT78
12	53240025	C	T	KRT78
12	53240066	C	G	KRT78
12	53242440	A	G	KRT78
12	53242579	C	T	KRT78
12	53242641	C	T	KRT78
12	53442956	G	C	TNS2
12	53451849	G	C	TNS2
12	53454504	G	C	TNS2
12	53509933	C	T	SOAT2

12	53565710	C	T	CSAD
12	53566174	A	T	CSAD
12	53566222	T	C	CSAD
12	53566324	G	A	CSAD
12	53579204	C	T	ZNF740
12	53586255	G	A	ITGB7
12	53586536	C	T	ITGB7
12	53590542	G	T	ITGB7
12	53605545	G	A	RARG
12	53662624	C	A	ESPL1
12	53670545	C	A	ESPL1
12	53671005	G	A	ESPL1
12	53675412	T	C	ESPL1
12	53680011	T	G	ESPL1
12	53681883	A	T	ESPL1
12	53681963	G	A	ESPL1
12	53687113	C	T	ESPL1
12	53699765	G	A	C12orf10
12	53700848	C	T	C12orf10
12	53700853	G	A	C12orf10
12	53700860	A	G	C12orf10
12	53701866	C	T	AAAS
12	53896877	G	C	TARBP2
12	53900640	A	G	NPFF
12	54109659	C	T	CALCOCO1
12	54379678	A	G	HOXC10
12	54422504	C	T	HOXC6
12	54448727	A	G	HOXC4
12	54576380	G	A	SMUG1
12	54718955	-	GCG	COPZ1
12	54756528	A	G	GPR84
12	54756641	T	C	GPR84
12	54757454	T	C	GPR84
12	54757464	G	A	GPR84
12	54764799	G	A	ZNF385A
12	54790124	C	T	ITGA5
12	54793719	C	G	ITGA5
12	54902264	G	A	NCKAP1L
12	54911426	C	T	NCKAP1L
12	54920344	C	T	NCKAP1L
12	54925987	C	T	NCKAP1L
12	54928894	T	G	NCKAP1L
12	54967452	G	C	PDE1B

12	54970470	G	A	PDE1B
12	54975837	T	C	PPP1R1A
12	54975853	C	T	PPP1R1A
12	55039020	-	T	DCD
12	55039035	C	T	DCD
12	55355033	C	T	TESPA1
12	55356517	G	A	TESPA1
12	55356823	T	C	TESPA1
12	55368291	C	T	TESPA1
12	55420621	G	A	NEUROD4
12	55420867	G	T	NEUROD4
12	55420891	A	G	NEUROD4
12	55523587	T	-	OR9K2
12	55523685	C	T	OR9K2
12	55524052	C	T	OR9K2
12	55524172	G	A	OR9K2
12	55524412	C	A	OR9K2
12	55615229	T	C	OR10A7
12	55641255	C	T	OR6C74
12	55641295	A	G	OR6C74
12	55641328	G	A	OR6C74
12	55641959	A	C	OR6C74
12	55688894	T	G	OR6C6
12	55688895	A	G	OR6C6
12	55714406	-	A	OR6C1
12	55714772	G	A	OR6C1
12	55714876	C	G	OR6C1
12	55715048	C	T	OR6C1
12	55715119	G	A	OR6C1
12	55715248	A	C	OR6C1
12	55725690	C	T	OR6C3
12	55725798	G	C	OR6C3
12	55725974	G	C	OR6C3
12	55794575	C	A	OR6C65
12	55846125	T	C	OR6C2
12	55846623	T	C	OR6C2
12	55863065	A	-	OR6C70
12	55863112	C	A	OR6C70
12	55863224	C	G	OR6C70
12	55863381	A	G	OR6C70
12	55886294	G	A	OR6C68
12	55886487	A	C	OR6C68
12	55886489	T	A	OR6C68

12	55887054	C	-	OR6C68
12	55887054	C	-	OR6C68
12	55945119	A	G	OR6C4
12	55945257	A	G	OR6C4
12	55945258	T	C	OR6C4
12	55945335	G	C	OR6C4
12	55945467	G	A	OR6C4
12	55945585	TCTT	-	OR6C4
12	56031273	G	A	OR10P1
12	56031493	G	A	OR10P1
12	56075594	T	A	METTTL7B
12	56075599	C	T	METTTL7B
12	56075840	C	T	METTTL7B
12	56086993	C	T	ITGA7
12	56087068	C	T	ITGA7
12	56088291	T	C	ITGA7
12	56089357	C	T	ITGA7
12	56092668	C	T	ITGA7
12	56105894	G	A	ITGA7
12	56110773	G	A	BLOC1S1
12	56115065	A	G	RDH5
12	56120556	GTT	-	CD63
12	56142553	G	T	GDF11
12	56221962	C	T	DNAJC14
12	56230897	C	T	MMP19
12	56230980	C	T	MMP19
12	56234946	G	A	MMP19
12	56236136	C	T	MMP19
12	56332709	A	G	DGKA
12	56334185	A	G	DGKA
12	56345541	A	G	DGKA
12	56350921	A	G	PMEL
12	56350977	C	G	PMEL
12	56351401	T	C	PMEL
12	56385916	GGA	-	RAB5B
12	56396504	G	T	SUOX
12	56397802	C	T	SUOX
12	56415317	G	A	IKZF4
12	56415348	G	A	IKZF4
12	56477541	C	T	ERBB3
12	56493677	A	G	ERBB3
12	56494872	C	T	ERBB3
12	56494998	A	T	ERBB3

12	56495339	C	A	<i>ERBB3</i>
12	56531012	T	G	<i>ESYT1</i>
12	56532009	C	T	<i>ESYT1</i>
12	56536821	G	A	<i>ESYT1</i>
12	56554415	G	C	<i>MYL6</i>
12	56558438	C	T	<i>SMARCC2</i>
12	56558483	G	A	<i>SMARCC2</i>
12	56625114	T	C	<i>SLC39A5</i>
12	56630444	G	C	<i>SLC39A5</i>
12	56631012	G	C	<i>SLC39A5</i>
12	56636975	C	G	<i>ANKRD52</i>
12	56642599	C	T	<i>ANKRD52</i>
12	56648021	C	T	<i>ANKRD52</i>
12	56716948	A	C	<i>PAN2</i>
12	56718381	C	T	<i>PAN2</i>
12	56722060	T	G	<i>PAN2</i>
12	56737251	C	A	<i>STAT2</i>
12	56737256	C	A	<i>STAT2</i>
12	56740682	C	G	<i>STAT2</i>
12	56742997	T	C	<i>STAT2</i>
12	56755058	A	G	<i>APOF</i>
12	56811549	C	T	<i>TIMELESS</i>
12	56815922	C	T	<i>TIMELESS</i>
12	56822378	T	A	<i>TIMELESS</i>
12	56848079	C	T	<i>MIP</i>
12	56863068	C	T	<i>SPRYD4</i>
12	56865338	A	G	<i>GLS2</i>
12	56994855	C	T	<i>BAZ2A</i>
12	56995856	G	C	<i>BAZ2A</i>
12	57000083	C	T	<i>BAZ2A</i>
12	57005679	A	T	<i>BAZ2A</i>
12	57037209	T	C	<i>ATP5B</i>
12	57039080	C	T	<i>ATP5B</i>
12	57109931	A	T	<i>NACA</i>
12	57114100	A	G	<i>NACA</i>
12	57114113	C	T	<i>NACA</i>
12	57114307	A	T	<i>NACA</i>
12	57114869	T	C	<i>NACA</i>
12	57132236	C	T	<i>PRIM1</i>
12	57146069	T	G	<i>PRIM1</i>
12	57180917	A	G	<i>HSD17B6</i>
12	57346010	T	C	<i>RDH16</i>
12	57397627	T	G	<i>ZBTB39</i>

12	57397876	A	G	ZBTB39
12	57422934	G	A	MYO1A
12	57424918	G	A	MYO1A
12	57430099	T	C	MYO1A
12	57430138	G	A	MYO1A
12	57431331	C	A	MYO1A
12	57431355	T	A	MYO1A
12	57431366	C	T	MYO1A
12	57431402	C	T	MYO1A
12	57431732	G	C	MYO1A
12	57437119	C	T	MYO1A
12	57441141	C	T	MYO1A
12	57441459	G	A	MYO1A
12	57453694	G	A	NEMP1
12	57453699	C	T	NEMP1
12	57457959	T	C	NEMP1
12	57485291	G	A	NAB2
12	57490429	G	C	STAT6
12	57499995	C	T	STAT6
12	57539082	C	T	LRP1
12	57556205	C	T	LRP1
12	57556220	G	C	LRP1
12	57569339	G	A	LRP1
12	57577915	C	T	LRP1
12	57578673	G	A	LRP1
12	57587715	G	A	LRP1
12	57589510	T	C	LRP1
12	57590915	G	A	LRP1
12	57599365	G	C	LRP1
12	57605313	G	A	LRP1
12	57619187	-	GGC	NXPH4
12	57624701	C	T	SHMT2
12	57643001	C	T	STAC3
12	57648644	C	T	R3HDM2
12	57849399	C	T	INHBE
12	57858576	C	A	GLI1
12	57863433	C	T	GLI1
12	57865321	G	A	GLI1
12	57867885	G	A	ARHGAP9
12	57871388	G	A	ARHGAP9
12	57872372	C	T	ARHGAP9
12	57873027	G	C	ARHGAP9
12	57873042	T	C	ARHGAP9

12	57908817	G	A	MARS
12	57910666	C	T	DDIT3
12	57926586	A	G	DCTN2
12	57975281	A	G	KIF5A
12	57975700	C	T	KIF5A
12	57994679	C	G	PIP4K2C
12	58010163	A	G	ARHGEF25
12	58015494	G	A	SLC26A10
12	58016603	GCTGCCCAGG/-		SLC26A10
12	58016690	G	C	SLC26A10
12	58017860	G	A	SLC26A10
12	58018668	T	G	SLC26A10
12	58019202	C	T	SLC26A10
12	58020582	G	A	B4GALNT1
12	58022618	C	T	B4GALNT1
12	58022849	C	T	B4GALNT1
12	58024278	C	G	B4GALNT1
12	58112042	-	GAGGAT	OS9
12	58128166	A	G	AGAP2
12	58128378	C	G	AGAP2
12	58131251	G	T	AGAP2
12	58138971	G	A	TSPAN31
12	58144446	G	A	CDK4
12	58152351	A	C	MARCH9
12	58159173	C	G	CYP27B1
12	58166590	C	T	METTTL21B
12	58174275	T	C	METTTL21B
12	58190076	G	T	TSFM
12	58190185	T	A	TSFM
12	58204145	T	C	AVIL
12	58335626	A	T	XRCC6BP1
12	58350618	C	T	XRCC6BP1
12	59280632	T	C	LRIG3
12	60168732	G	T	SLC16A7
12	60173356	A	T	SLC16A7
12	60173363	A	T	SLC16A7
12	62148790	G	A	FAM19A2
12	62919735	A	G	MON2
12	62926409	A	G	MON2
12	62928633	G	A	MON2
12	62938748	G	T	MON2
12	62946748	G	A	MON2
12	62959137	A	G	MON2

12	62979252	A	C	MON2
12	63541203	G	C	AVPR1A
12	63543693	G	T	AVPR1A
12	63954300	C	T	DPY19L2
12	64062052	G	A	DPY19L2
12	64062065	T	C	DPY19L2
12	64173807	G	A	TMEM5
12	64174904	C	T	TMEM5
12	64521724	A	G	SRGAP1
12	64587633	C	A	C12orf66
12	64746764	A	T	C12orf56
12	64746772	A	G	C12orf56
12	64746833	C	T	C12orf56
12	64814251	G	A	XPOT
12	64875725	C	A	TBK1
12	64882317	T	C	TBK1
12	66308896	A	G	HMGA2
12	66517786	A	-	LLPH
12	66531758	T	G	TMBIM4
12	66546100	A	G	TMBIM4
12	66597527	A	G	IRAK3
12	66597644	G	A	IRAK3
12	66605228	A	G	IRAK3
12	66698895	T	C	HELB
12	66704225	A	G	HELB
12	66704274	G	-	HELB
12	66704276	A	C	HELB
12	66725138	G	A	HELB
12	66725160	C	T	HELB
12	66725181	G	C	HELB
12	66725202	C	T	HELB
12	66786171	A	C	GRIP1
12	66838406	T	C	GRIP1
12	66859110	A	G	GRIP1
12	67696225	G	A	CAND1
12	67706476	C	T	CAND1
12	68051571	A	G	DYRK2
12	68647141	C	T	IL22
12	68689113	G	A	MDM1
12	68707287	G	A	MDM1
12	68719304	T	C	MDM1
12	68720487	C	T	MDM1
12	68720534	A	G	MDM1

12	68720627	G	A	MDM1
12	68726016	G	C	MDM1
12	69085797	G	A	NUP107
12	69103039	A	T	NUP107
12	69113390	T	C	NUP107
12	69140339	G	C	SLC35E3
12	69265699	T	C	CPM
12	69326547	C	T	CPM
12	69744014	C	A	LYZ
12	70004035	A	G	LRRC10
12	70037520	G	A	BEST3
12	70048829	T	C	BEST3
12	70065214	T	G	BEST3
12	70088220	T	-	BEST3
12	70091452	A	G	BEST3
12	70925864	C	G	PTPRB
12	70933776	C	T	PTPRB
12	70949014	G	A	PTPRB
12	70953189	C	T	PTPRB
12	70953369	T	G	PTPRB
12	70954547	G	A	PTPRB
12	70963598	C	T	PTPRB
12	70963619	G	A	PTPRB
12	70970293	T	C	PTPRB
12	70983895	A	C	PTPRB
12	70983956	A	G	PTPRB
12	70990054	T	C	PTPRB
12	71002893	C	T	PTPRB
12	71003584	T	C	PTPRB
12	71016340	C	T	PTPRB
12	71029675	C	T	PTPRB
12	71029733	C	T	PTPRB
12	71078528	C	T	PTPRR
12	71092084	G	A	PTPRR
12	71139664	T	C	PTPRR
12	71148080	T	C	PTPRR
12	71158453	G	A	PTPRR
12	71523134	A	C	TSPAN8
12	71533534	C	G	TSPAN8
12	71533622	C	T	TSPAN8
12	71537951	C	T	TSPAN8
12	71950407	A	G	LGR5
12	71971766	C	G	LGR5

12	71972585	G	A	LGR5
12	71972674	G	C	LGR5
12	71977787	T	C	LGR5
12	71978131	C	G	LGR5
12	72008421	T	C	ZFC3H1
12	72020108	T	C	ZFC3H1
12	72028544	G	A	ZFC3H1
12	72036297	T	C	ZFC3H1
12	72036317	C	T	ZFC3H1
12	72038008	C	T	ZFC3H1
12	72070506	GTT	-	THAP2
12	72070803	A	G	THAP2
12	72092865	T	G	TMEM19
12	72179446	C	T	RAB21
12	73056956	G	A	TRHDE
12	75687039	C	T	CAPS2
12	75687045	-	TATTTGAT	CAPS2
12	75706669	T	G	CAPS2
12	75715184	T	C	CAPS2
12	75715254	TA	-	CAPS2
12	75715330	C	A	CAPS2
12	75785047	G	A	GLIPR1L2
12	75875683	C	T	GLIPR1
12	76424644	T	C	PHLDA1
12	76740134	T	C	BBS10
12	76740149	G	A	BBS10
12	76741341	C	T	BBS10
12	77439823	G	C	E2F7
12	77449790	A	G	E2F7
12	77458409	C	A	E2F7
12	78225299	G	A	NAV3
12	78362440	C	T	NAV3
12	78400847	G	A	NAV3
12	78510661	G	A	NAV3
12	78604257	A	G	NAV3
12	80180200	T	C	PPP1R12A
12	80655849	C	T	OTOGL
12	80661098	C	T	OTOGL
12	80665473	C	T	OTOGL
12	80707293	A	G	OTOGL
12	80732900	G	A	OTOGL
12	80747209	C	G	OTOGL
12	80749632	G	A	OTOGL

12	80750659	G	A	OTOGL
12	80761411	G	T	OTOGL
12	80764360	C	T	OTOGL
12	80765800	A	G	OTOGL
12	80771734	G	A	OTOGL
12	80838175	C	T	PTPRQ
12	80838564	C	T	PTPRQ
12	80838611	GTGACAACAAA-		PTPRQ
12	80878310	C	G	PTPRQ
12	80878317	G	A	PTPRQ
12	80900348	T	G	PTPRQ
12	80904143	T	C	PTPRQ
12	80933609	A	G	PTPRQ
12	80935411	G	C	PTPRQ
12	80935439	A	G	PTPRQ
12	80935492	A	G	PTPRQ
12	80936026	A	G	PTPRQ
12	80982097	A	G	PTPRQ
12	81007527	T	C	PTPRQ
12	81028729	G	A	PTPRQ
12	81051764	A	G	PTPRQ
12	81064255	A	G	PTPRQ
12	81101577	G	A	MYF6
12	81101767	C	A	MYF6
12	81101832	G	T	MYF6
12	81503410	A	C	ACSS3
12	81528625	C	T	ACSS3
12	81661833	C	T	PPFIA2
12	82748339	T	G	CCDC59
12	82752080	C	T	CCDC59
12	82752133	G	C	CCDC59
12	82752543	T	G	METTL25
12	82752559	T	G	METTL25
12	82792787	C	A	METTL25
12	82792949	G	A	METTL25
12	83290083	G	A	TMTC2
12	83359384	C	T	TMTC2
12	85255552	C	A	SLC6A15
12	85266484	G	A	SLC6A15
12	85277561	T	A	SLC6A15
12	85277592	C	T	SLC6A15
12	85277615	A	G	SLC6A15
12	85285755	T	C	SLC6A15

12	85432040	T	A	<i>LRRIQ1</i>
12	85438499	G	A	<i>LRRIQ1</i>
12	85450243	G	A	<i>LRRIQ1</i>
12	85450426	G	A	<i>LRRIQ1</i>
12	85450685	A	T	<i>LRRIQ1</i>
12	85459151	A	G	<i>LRRIQ1</i>
12	85466723	G	A	<i>LRRIQ1</i>
12	85497794	C	G	<i>LRRIQ1</i>
12	85515519	G	A	<i>LRRIQ1</i>
12	85521611	A	G	<i>LRRIQ1</i>
12	85531684	T	G	<i>LRRIQ1</i>
12	85546824	A	C	<i>LRRIQ1</i>
12	85623387	G	A	<i>LRRIQ1</i>
12	85674221	A	G	<i>ALX1</i>
12	85674229	C	T	<i>ALX1</i>
12	85674230	G	T	<i>ALX1</i>
12	86198935	C	T	<i>RASSF9</i>
12	86199291	C	T	<i>RASSF9</i>
12	86199585	C	G	<i>RASSF9</i>
12	86199657	G	A	<i>RASSF9</i>
12	86272290	G	T	<i>NTS</i>
12	86373159	T	C	<i>MGAT4C</i>
12	86373221	G	C	<i>MGAT4C</i>
12	88379752	T	C	<i>C12orf50</i>
12	88379788	C	T	<i>C12orf50</i>
12	88380094	T	C	<i>C12orf50</i>
12	88390181	G	C	<i>C12orf50</i>
12	88390262	C	T	<i>C12orf50</i>
12	88440676	G	C	<i>C12orf29</i>
12	88454728	A	G	<i>CEP290</i>
12	88472996	C	T	<i>CEP290</i>
12	88480233	C	G	<i>CEP290</i>
12	88496626	C	T	<i>CEP290</i>
12	88508258	T	C	<i>CEP290</i>
12	88514835	T	C	<i>CEP290</i>
12	88519120	A	C	<i>CEP290</i>
12	88519133	C	T	<i>CEP290</i>
12	88523494	C	G	<i>CEP290</i>
12	88584312	C	A	<i>TMTC3</i>
12	88589107	G	A	<i>TMTC3</i>
12	88900891	C	A	<i>KITLG</i>
12	89744658	G	A	<i>DUSP6</i>
12	89745477	C	A	<i>DUSP6</i>

12	89745557	G	A	<i>DUSP6</i>
12	91347561	TCTTCCTCCTC,-		<i>CCER1</i>
12	91347643	C	T	<i>CCER1</i>
12	91357976	G	T	<i>EPYC</i>
12	91366649	G	C	<i>EPYC</i>
12	91502161	A	G	<i>LUM</i>
12	92537956	T	C	<i>BTG1</i>
12	92818482	C	T	<i>CLLU1</i>
12	92818576	-	A	<i>CLLU1</i>
12	92818773	C	T	<i>CLLU1</i>
12	93100481	G	T	<i>C12orf74</i>
12	93139348	A	G	<i>PLEKHG7</i>
12	93150102	T	C	<i>PLEKHG7</i>
12	93174109	C	T	<i>EEA1</i>
12	93175790	G	A	<i>EEA1</i>
12	93181768	C	A	<i>EEA1</i>
12	93195435	T	A	<i>EEA1</i>
12	93196332	C	T	<i>EEA1</i>
12	93221765	G	C	<i>EEA1</i>
12	93245979	G	A	<i>EEA1</i>
12	94072653	A	G	<i>CRADD</i>
12	94072701	C	A	<i>CRADD</i>
12	94603406	G	C	<i>PLXNC1</i>
12	94613883	A	G	<i>PLXNC1</i>
12	94613898	G	A	<i>PLXNC1</i>
12	94620432	G	T	<i>PLXNC1</i>
12	94692478	T	A	<i>PLXNC1</i>
12	94761875	T	C	<i>CEP83</i>
12	94769769	G	A	<i>CEP83</i>
12	94772742	C	T	<i>CEP83</i>
12	94965347	G	A	<i>TMCC3</i>
12	94975829	C	T	<i>TMCC3</i>
12	94976070	G	A	<i>TMCC3</i>
12	95443002	C	T	<i>NR2C1</i>
12	95456418	C	T	<i>NR2C1</i>
12	95478283	G	A	<i>FGD6</i>
12	95488416	C	G	<i>FGD6</i>
12	95528593	G	A	<i>FGD6</i>
12	95602805	C	A	<i>FGD6</i>
12	95603246	G	A	<i>FGD6</i>
12	95604233	T	C	<i>FGD6</i>
12	95604377	G	T	<i>FGD6</i>
12	95604444	G	A	<i>FGD6</i>

12	95676162	A	G	VEZT
12	95676206	C	T	VEZT
12	95681492	C	A	VEZT
12	95694111	T	G	VEZT
12	95694394	G	A	VEZT
12	95927087	C	G	USP44
12	95927666	T	G	USP44
12	95927762	T	C	USP44
12	95927782	T	C	USP44
12	96131895	A	G	NTN4
12	96181085	G	A	NTN4
12	96288860	T	C	CCDC38
12	96292170	C	G	CCDC38
12	96312686	C	A	CCDC38
12	96356205	G	A	AMDHD1
12	96374614	C	T	HAL
12	96379884	C	T	HAL
12	96422843	C	T	LTA4H
12	96641016	C	T	ELK3
12	96641121	C	T	ELK3
12	96674555	C	T	CDK17
12	97045481	C	T	CFAP54
12	97098549	T	C	CFAP54
12	97102578	G	A	CFAP54
12	97114231	G	A	CFAP54
12	97133813	G	A	CFAP54
12	97136218	T	C	CFAP54
12	97136239	G	A	CFAP54
12	97157933	C	A	CFAP54
12	97337353	C	T	NEDD1
12	98926856	G	A	TMPO
12	98926985	C	G	TMPO
12	98927312	C	T	TMPO
12	98927830	C	G	TMPO
12	98938295	G	C	TMPO
12	99020476	C	A	IKBIP
12	99071283	A	C	APAF1
12	99093210	G	A	APAF1
12	99093226	A	C	APAF1
12	99100279	C	T	APAF1
12	99100348	G	A	APAF1
12	99119209	T	C	APAF1
12	99640159	G	C	ANKS1B

12	99837570	C	T	ANKS1B
12	100042040	C	G	FAM71C
12	100042163	A	G	FAM71C
12	100042293	TC	-	FAM71C
12	100444984	G	A	UHRF1BP1L
12	100451882	G	A	UHRF1BP1L
12	100482866	G	A	UHRF1BP1L
12	100657464	T	C	DEPDC4
12	100708367	C	T	SCYL2
12	100732822	G	A	SCYL2
12	100926308	T	C	NR1H4
12	101016068	G	A	GAS2L3
12	101016071	G	A	GAS2L3
12	101017586	G	A	GAS2L3
12	101017839	C	T	GAS2L3
12	101018081	C	A	GAS2L3
12	101336201	G	C	ANO4
12	101560328	C	A	SLC5A8
12	101577955	G	A	SLC5A8
12	101587518	C	T	SLC5A8
12	101679658	G	A	UTP20
12	101680131	T	C	UTP20
12	101685643	C	A	UTP20
12	101693534	C	G	UTP20
12	101702045	G	A	UTP20
12	101711309	G	A	UTP20
12	101739442	G	A	UTP20
12	101750386	G	A	UTP20
12	101750814	T	A	UTP20
12	101776996	G	C	UTP20
12	101777351	G	A	UTP20
12	101779837	G	A	UTP20
12	102043091	G	A	MYBPC1
12	102045102	C	A	MYBPC1
12	102108345	T	C	CHPT1
12	102113935	C	T	CHPT1
12	102158764	G	A	GNPTAB
12	102190521	C	T	GNPTAB
12	102547741	G	A	PARPBP
12	102558369	C	A	PARPBP
12	102813337	C	T	IGF1
12	103234177	C	T	PAH
12	103234271	G	A	PAH

12	103306579	C	T	PAH
12	103696182	T	G	C12orf42
12	103795425	C	T	C12orf42
12	103872172	T	G	C12orf42
12	104044330	A	G	STAB2
12	104054503	A	G	STAB2
12	104064574	G	A	STAB2
12	104089554	T	C	STAB2
12	104124018	A	C	STAB2
12	104131427	A	C	STAB2
12	104138980	G	A	STAB2
12	104142863	G	A	STAB2
12	104144426	C	T	STAB2
12	104153004	C	G	STAB2
12	104187732	G	T	NT5DC3
12	104341188	GAA	-	HSP90B1
12	104345384	G	A	C12orf73
12	104350408	C	T	C12orf73
12	104376693	G	A	TDG
12	104379506	-	TTGAGAGCGTC	TDG
12	104379506	-	TTGAGAGCGT	TDG
12	104379506	-	TT	TDG
12	104379508	-	GG	TDG
12	104379508	-	G	TDG
12	104379508	-	GGAGTTAAGAC	TDG
12	104379508	-	GGAGTTA	TDG
12	104387233	T	C	GLT8D2
12	104397075	G	A	GLT8D2
12	104408832	T	C	GLT8D2
12	104461767	C	T	HCFC2
12	105151192	G	C	CHST11
12	105151387	G	A	CHST11
12	105380143	G	A	C12orf45
12	105380152	A	C	C12orf45
12	105380185	G	C	C12orf45
12	105418221	G	A	ALDH1L2
12	105428154	T	G	ALDH1L2
12	105460432	G	A	ALDH1L2
12	105504953	T	C	KIAA1033
12	105519873	G	A	KIAA1033
12	105520069	G	T	KIAA1033
12	105520097	T	C	KIAA1033
12	105540875	A	G	KIAA1033

12	105546172	G	A	KIAA1033
12	105583877	G	A	APPL2
12	105591603	A	G	APPL2
12	105600900	G	A	APPL2
12	105605026	G	A	APPL2
12	105611448	T	C	APPL2
12	106460782	C	A	NUAK1
12	106460938	G	C	NUAK1
12	106633557	G	C	CKAP4
12	106715298	G	A	TCP11L2
12	106717356	C	T	TCP11L2
12	106729425	G	A	TCP11L2
12	106729992	G	A	TCP11L2
12	106826199	T	A	POLR3B
12	106838243	A	T	POLR3B
12	106848414	A	G	POLR3B
12	107141265	G	A	RFX4
12	107155117	C	T	RFX4
12	107155131	T	G	RFX4
12	107208919	C	T	RIC8B
12	107372251	G	C	MTERF2
12	107372453	G	C	MTERF2
12	107713696	G	A	BTBD11
12	107974744	G	A	BTBD11
12	108012066	G	A	BTBD11
12	108051406	G	A	BTBD11
12	108096762	T	C	PWP1
12	108096769	G	C	PWP1
12	108102757	A	G	PWP1
12	108589758	C	T	WSCD2
12	108686316	G	A	CMKLR1
12	108686549	A	G	CMKLR1
12	108686555	A	C	CMKLR1
12	108912399	A	C	FICD
12	108920034	T	C	SART3
12	108938229	C	T	SART3
12	108954862	G	C	SART3
12	108954894	C	G	SART3
12	108985524	G	T	TMEM119
12	108985945	A	G	TMEM119
12	108985976	G	A	TMEM119
12	109017264	T	C	SELPLG
12	109017266	G	A	SELPLG

12	109017651	GAGTGGTCTGT-		SELPLG
12	109017898	C	T	SELPLG
12	109182653	G	A	SSH1
12	109182881	G	A	SSH1
12	109221123	G	A	SSH1
12	109327974	C	T	SVOP
12	109520769	A	G	USP30
12	109522829	A	G	USP30
12	109526189	C	T	ALKBH2
12	109536366	C	T	UNG
12	109577344	A	G	ACACB
12	109604793	G	A	ACACB
12	109617728	A	G	ACACB
12	109634834	A	G	ACACB
12	109661672	A	G	ACACB
12	109665242	G	A	ACACB
12	109673448	A	T	ACACB
12	109677729	G	A	ACACB
12	109680276	C	G	ACACB
12	109684039	G	A	ACACB
12	109684125	G	A	ACACB
12	109692053	C	T	ACACB
12	109696838	G	A	ACACB
12	109703044	A	G	ACACB
12	109723241	T	G	FOXN4
12	109725707	G	A	FOXN4
12	109728077	G	C	FOXN4
12	109826634	C	A	MYO1H
12	109838926	G	T	MYO1H
12	109845660	T	A	MYO1H
12	109847787	A	G	MYO1H
12	109872909	C	T	MYO1H
12	109883374	T	C	MYO1H
12	109921478	G	A	UBE3B
12	109926465	G	A	UBE3B
12	109936056	T	C	UBE3B
12	109937534	G	A	UBE3B
12	109967831	C	T	UBE3B
12	109968449	G	T	UBE3B
12	109994870	A	T	MMAB
12	109999612	A	G	MMAB
12	110011230	C	T	MMAB
12	110013879	G	A	MVK

12	110034320	G	A	MVK
12	110221524	C	T	TRPV4
12	110221544	T	C	TRPV4
12	110224603	C	T	TRPV4
12	110230597	C	T	TRPV4
12	110341933	A	G	TCHP
12	110352361	G	A	TCHP
12	110353262	GAG	-	TCHP
12	110383141	G	A	GIT2
12	110474070	T	C	ANKRD13A
12	110565250	A	C	IFT81
12	110841437	C	T	ANAPC7
12	110841439	C	G	ANAPC7
12	110924375	G	A	FAM216A
12	110925718	A	G	FAM216A
12	110952867	T	G	RAD9B
12	110952892	C	G	RAD9B
12	110960196	G	A	RAD9B
12	111070350	ATA	-	TCTN1
12	111078278	G	A	TCTN1
12	111080097	A	G	TCTN1
12	111080154	G	C	TCTN1
12	111082836	G	T	TCTN1
12	111317855	T	C	CCDC63
12	111345219	G	T	CCDC63
12	111652019	G	T	CUX2
12	111729350	C	T	CUX2
12	111731276	G	A	CUX2
12	111785515	G	A	CUX2
12	111785678	G	A	CUX2
12	111885310	G	A	SH2B3
12	111885816	TCCCTTCCTCA	-	SH2B3
12	111902514	G	A	ATXN2
12	111923117	T	C	ATXN2
12	111956226	T	C	ATXN2
12	111993712	C	T	ATXN2
12	112182585	A	G	ACAD10
12	112308111	A	C	MAPKAPK5
12	112375990	A	C	TMEM116
12	112460215	A	G	ERP29
12	112471090	G	T	NAA25
12	112477055	T	C	NAA25
12	112478316	G	A	NAA25

12	112481511	C	T	NAA25
12	112578821	G	A	TRAFD1
12	112583447	A	C	TRAFD1
12	112590278	C	T	TRAFD1
12	112605167	T	C	HECTD4
12	112608227	C	T	HECTD4
12	112622044	G	C	HECTD4
12	112631292	T	C	HECTD4
12	112673047	T	A	HECTD4
12	112681251	C	T	HECTD4
12	112699118	C	T	HECTD4
12	113321161	G	T	RPH3A
12	113348870	G	A	OAS1
12	113357442	G	A	OAS1
12	113379390	C	T	OAS3
12	113384741	A	G	OAS3
12	113386742	G	T	OAS3
12	113386779	C	G	OAS3
12	113388598	G	A	OAS3
12	113388618	G	A	OAS3
12	113403675	C	T	OAS3
12	113405328	G	A	OAS3
12	113440906	G	A	OAS2
12	113448288	A	G	OAS2
12	113543542	A	G	RASAL1
12	113553481	C	T	RASAL1
12	113565637	G	A	RASAL1
12	113565933	G	A	RASAL1
12	113568723	C	A	RASAL1
12	113573237	C	G	RASAL1
12	113587667	C	T	CFAP73
12	113596725	C	T	DDX54
12	113596866	G	A	DDX54
12	113600940	C	T	DDX54
12	113602062	C	T	DDX54
12	113603685	G	A	DDX54
12	113618756	CTT	-	DDX54
12	113618758	-	CTT	DDX54
12	113629240	C	G	RITA1
12	113629386	C	T	RITA1
12	113629471	C	A	RITA1
12	113664623	G	A	TPCN1
12	113706551	C	T	TPCN1

12	113710484	ACCCTTCAG	-	TPCN1
12	113730816	C	T	TPCN1
12	113812714	A	G	PLBD2
12	113837452	T	G	SDS
12	113873316	C	T	SDSL
12	113874611	C	T	SDSL
12	113875760	G	A	SDSL
12	113906140	G	A	LHX5
12	114374887	T	C	RBM19
12	114377835	A	G	RBM19
12	114377877	T	C	RBM19
12	114383659	C	T	RBM19
12	114387907	T	A	RBM19
12	114392971	-	GGT	RBM19
12	114395651	T	C	RBM19
12	114395805	T	C	RBM19
12	114397098	T	C	RBM19
12	114397160	C	T	RBM19
12	114837349	C	A	TBX5
12	114837364	T	C	TBX5
12	116429001	G	A	MED13L
12	116429247	T	C	MED13L
12	116429545	C	T	MED13L
12	116445398	T	G	MED13L
12	117160976	T	C	C12orf49
12	117387465	A	G	FBXW8
12	117402583	G	C	FBXW8
12	117448196	G	-	FBXW8
12	117448196	GT	-	FBXW8
12	117462124	G	A	FBXW8
12	117465917	T	A	FBXW8
12	117465930	A	T	FBXW8
12	117657993	C	T	NOS1
12	117691500	C	T	NOS1
12	117693817	G	A	NOS1
12	117705934	T	A	NOS1
12	117710246	C	T	NOS1
12	117723115	G	T	NOS1
12	117724018	T	G	NOS1
12	117908997	G	A	KSR2
12	118199278	G	C	KSR2
12	118472867	T	A	WSB2
12	118481007	C	T	WSB2

12	118504457	T	C	<i>VSIG10</i>
12	118508870	C	G	<i>VSIG10</i>
12	118509191	G	A	<i>VSIG10</i>
12	118511660	TGATCACCTCG-		<i>VSIG10</i>
12	118511726	C	T	<i>VSIG10</i>
12	118517228	G	A	<i>VSIG10</i>
12	118533464	G	A	<i>VSIG10</i>
12	118682751	C	T	<i>TAOK3</i>
12	119540049	C	T	<i>SRRM4</i>
12	119588962	G	A	<i>SRRM4</i>
12	119617350	G	T	<i>HSPB8</i>
12	119866533	A	G	<i>CCDC60</i>
12	119909828	G	A	<i>CCDC60</i>
12	119909960	C	-	<i>CCDC60</i>
12	119909960	C	-	<i>CCDC60</i>
12	119916900	A	G	<i>CCDC60</i>
12	119961587	G	A	<i>CCDC60</i>
12	120106129	G	T	<i>PRKAB1</i>
12	120166407	T	C	<i>CIT</i>
12	120214606	T	G	<i>CIT</i>
12	120263003	G	C	<i>CIT</i>
12	120313947	C	T	<i>CIT</i>
12	120313953	C	T	<i>CIT</i>
12	120427917	C	G	<i>CCDC64</i>
12	120575549	A	C	<i>GCN1</i>
12	120575778	C	T	<i>GCN1</i>
12	120593109	C	T	<i>GCN1</i>
12	120593190	G	A	<i>GCN1</i>
12	120652725	C	T	<i>PXN</i>
12	120653019	C	T	<i>PXN</i>
12	120653407	G	A	<i>PXN</i>
12	120653448	TG	-	<i>PXN</i>
12	120653458	C	G	<i>PXN</i>
12	120660762	C	T	<i>PXN</i>
12	120660780	C	T	<i>PXN</i>
12	120750374	G	A	<i>SIRT4</i>
12	120791153	C	T	<i>MSI1</i>
12	120882691	G	A	<i>TRIAP1</i>
12	120884291	C	T	<i>GATC</i>
12	120907309	T	A	<i>SRSF9</i>
12	120954490	C	T	<i>COQ5</i>
12	121093911	C	G	<i>CABP1</i>
12	121174897	C	T	<i>ACADS</i>

12	121176083	G	A	ACADS
12	121416650	A	C	HNF1A
12	121435427	G	A	HNF1A
12	121448918	T	A	C12orf43
12	121461798	C	T	OASL
12	121570899	G	T	P2RX7
12	121592689	T	C	P2RX7
12	121593936	C	T	P2RX7
12	121600238	G	A	P2RX7
12	121600253	T	C	P2RX7
12	121605355	G	A	P2RX7
12	121605373	G	A	P2RX7
12	121613229	G	A	P2RX7
12	121615103	G	A	P2RX7
12	121615131	C	G	P2RX7
12	121618257	C	G	P2RX7
12	121622304	A	C	P2RX7
12	121622520	A	T	P2RX7
12	121622550	G	A	P2RX7
12	121666646	A	G	P2RX4
12	121670276	A	G	P2RX4
12	121711962	C	T	CAMKK2
12	121712077	T	A	CAMKK2
12	121712301	C	T	CAMKK2
12	121747533	G	A	ANAPC5
12	121858113	T	A	RNF34
12	121861260	G	A	RNF34
12	122018733	TG	-	KDM2B
12	122018761	T	C	KDM2B
12	122064788	-	T	ORAI1
12	122107306	G	C	MORN3
12	122107335	G	A	MORN3
12	122186317	G	A	TMEM120B
12	122217507	C	T	RHOF
12	122217559	C	T	RHOF
12	122247909	C	T	SETD1B
12	122247951	C	T	SETD1B
12	122248329	A	G	SETD1B
12	122248505	C	T	SETD1B
12	122255372	G	A	SETD1B
12	122257478	T	A	SETD1B
12	122260549	T	C	SETD1B
12	122277891	C	A	HPD

12	122277904	G	C	HPD
12	122287613	C	T	HPD
12	122295335	T	C	HPD
12	122296608	A	C	HPD
12	122326812	T	C	PSMD9
12	122340955	A	G	PSMD9
12	122353796	A	G	PSMD9
12	122359542	G	T	WDR66
12	122361711	C	T	WDR66
12	122372183	G	A	WDR66
12	122380513	G	A	WDR66
12	122380838	C	T	WDR66
12	122386948	G	A	WDR66
12	122392038	C	T	WDR66
12	122396395	C	T	WDR66
12	122396990	T	C	WDR66
12	122404946	C	T	WDR66
12	122405912	G	T	WDR66
12	122413196	T	C	WDR66
12	122439451	T	C	WDR66
12	122481879	A	C	BCL7A
12	122617989	A	G	MLXIP
12	122618042	G	A	MLXIP
12	122622795	A	G	MLXIP
12	122670741	C	T	LRRC43
12	122674780	C	A	LRRC43
12	122674825	A	G	LRRC43
12	122676056	A	G	LRRC43
12	122684821	G	A	LRRC43
12	122685140	-	GGGGGAGAAA	LRRC43
12	122689181	C	G	B3GNT4
12	122691045	T	A	B3GNT4
12	122691667	G	A	B3GNT4
12	122710543	A	T	DIABLO
12	122745945	G	A	VPS33A
12	122763670	C	A	CLIP1
12	122817580	A	G	CLIP1
12	122825398	C	T	CLIP1
12	122825674	C	T	CLIP1
12	122864920	G	A	CLIP1
12	122958181	T	C	ZCCHC8
12	123030788	G	T	KNTC1
12	123032478	C	T	KNTC1

12	123042004	C	A	<i>KNTC1</i>
12	123057763	G	C	<i>KNTC1</i>
12	123057792	A	G	<i>KNTC1</i>
12	123102921	T	G	<i>KNTC1</i>
12	123106455	G	T	<i>KNTC1</i>
12	123187313	C	G	<i>HCAR2</i>
12	123187314	C	T	<i>HCAR2</i>
12	123187328	G	A	<i>HCAR2</i>
12	123187332	T	A	<i>HCAR2</i>
12	123200247	G	C	<i>HCAR3</i>
12	123200249	T	C	<i>HCAR3</i>
12	123200759	C	A	<i>HCAR3</i>
12	123200768	T	G	<i>HCAR3</i>
12	123214166	G	A	<i>HCAR1</i>
12	123285957	G	A	<i>CCDC62</i>
12	123286269	C	G	<i>CCDC62</i>
12	123286287	G	A	<i>CCDC62</i>
12	123297902	C	T	<i>CCDC62</i>
12	123339915	T	C	<i>HIP1R</i>
12	123341692	C	T	<i>HIP1R</i>
12	123342688	G	A	<i>HIP1R</i>
12	123344021	G	A	<i>HIP1R</i>
12	123345296	G	A	<i>HIP1R</i>
12	123345509	G	T	<i>HIP1R</i>
12	123444507	G	T	<i>ABCB9</i>
12	123461303	G	A	<i>OGFOD2</i>
12	123463489	C	T	<i>OGFOD2</i>
12	123463771	G	A	<i>OGFOD2</i>
12	123466304	A	G	<i>ARL6IP4</i>
12	123481019	C	T	<i>PITPNM2</i>
12	123519112	G	A	<i>PITPNM2</i>
12	123661295	T	C	<i>MPHOSPH9</i>
12	123687822	G	A	<i>MPHOSPH9</i>
12	123699323	G	A	<i>MPHOSPH9</i>
12	123706313	T	G	<i>MPHOSPH9</i>
12	123738265	G	A	<i>C12orf65</i>
12	123798209	T	C	<i>SBNO1</i>
12	123805261	G	A	<i>SBNO1</i>
12	123806219	C	T	<i>SBNO1</i>
12	123825569	T	C	<i>SBNO1</i>
12	123875330	G	A	<i>KMT5A</i>
12	123915089	G	C	<i>RILPL2</i>
12	123950737	C	T	<i>SNRNP35</i>

12	123983140	C	T	<i>RILPL1</i>
12	124008074	T	C	<i>RILPL1</i>
12	124086736	T	G	<i>DDX55</i>
12	124092033	G	C	<i>DDX55</i>
12	124097766	A	G	<i>DDX55</i>
12	124118409	G	A	<i>GTF2H3</i>
12	124171417	G	A	<i>TCTN2</i>
12	124171453	A	G	<i>TCTN2</i>
12	124172609	A	G	<i>TCTN2</i>
12	124228414	A	G	<i>ATP6V0A2</i>
12	124228816	G	T	<i>ATP6V0A2</i>
12	124241506	C	T	<i>ATP6V0A2</i>
12	124242557	A	G	<i>ATP6V0A2</i>
12	124265687	T	C	<i>DNAH10</i>
12	124267713	G	A	<i>DNAH10</i>
12	124288264	G	A	<i>DNAH10</i>
12	124297780	G	C	<i>DNAH10</i>
12	124297874	A	G	<i>DNAH10</i>
12	124297903	C	T	<i>DNAH10</i>
12	124298030	G	A	<i>DNAH10</i>
12	124298077	C	T	<i>DNAH10</i>
12	124298332	A	G	<i>DNAH10</i>
12	124323006	A	G	<i>DNAH10</i>
12	124323081	G	A	<i>DNAH10</i>
12	124325977	T	G	<i>DNAH10</i>
12	124330311	C	T	<i>DNAH10</i>
12	124330532	G	A	<i>DNAH10</i>
12	124330542	C	A	<i>DNAH10</i>
12	124333367	G	A	<i>DNAH10</i>
12	124337772	C	T	<i>DNAH10</i>
12	124349236	G	C	<i>DNAH10</i>
12	124352505	T	A	<i>DNAH10</i>
12	124354954	C	T	<i>DNAH10</i>
12	124358121	A	G	<i>DNAH10</i>
12	124360037	C	T	<i>DNAH10</i>
12	124362332	C	T	<i>DNAH10</i>
12	124371782	G	A	<i>DNAH10</i>
12	124387542	A	G	<i>DNAH10</i>
12	124393917	C	G	<i>DNAH10</i>
12	124398913	G	C	<i>DNAH10</i>
12	124401172	G	A	<i>DNAH10</i>
12	124402341	C	T	<i>DNAH10</i>
12	124409630	G	T	<i>DNAH10</i>

12	124409693	C	T	<i>DNAH10</i>
12	124413089	C	A	<i>DNAH10</i>
12	124413109	T	C	<i>DNAH10</i>
12	124421759	C	T	<i>CCDC92</i>
12	124427306	T	A	<i>CCDC92</i>
12	124497113	A	G	<i>ZNF664</i>
12	124796419	C	T	<i>FAM101A</i>
12	124798811	G	A	<i>FAM101A</i>
12	124815439	T	C	<i>NCOR2</i>
12	124817779	C	T	<i>NCOR2</i>
12	124821413	G	A	<i>NCOR2</i>
12	124821416	C	T	<i>NCOR2</i>
12	124824869	G	A	<i>NCOR2</i>
12	124827763	G	A	<i>NCOR2</i>
12	124832388	C	T	<i>NCOR2</i>
12	124885170	C	T	<i>NCOR2</i>
12	125299542	C	T	<i>SCARB1</i>
12	125299559	G	A	<i>SCARB1</i>
12	125432382	A	G	<i>DHX37</i>
12	125434580	C	T	<i>DHX37</i>
12	125438516	T	C	<i>DHX37</i>
12	125453115	C	T	<i>DHX37</i>
12	125461976	C	T	<i>DHX37</i>
12	125467158	C	T	<i>DHX37</i>
12	125509861	-	CCCCAGCAA	<i>BRI3BP</i>
12	125591734	C	G	<i>AACS</i>
12	128899673	A	G	<i>TMEM132C</i>
12	128899853	C	T	<i>TMEM132C</i>
12	128900005	G	A	<i>TMEM132C</i>
12	129100757	C	G	<i>TMEM132C</i>
12	129100780	C	T	<i>TMEM132C</i>
12	129153986	G	A	<i>TMEM132C</i>
12	129178435	C	T	<i>TMEM132C</i>
12	129181880	G	A	<i>TMEM132C</i>
12	129189702	C	G	<i>TMEM132C</i>
12	129299435	C	T	<i>SLC15A4</i>
12	129299446	A	G	<i>SLC15A4</i>
12	129299599	G	A	<i>SLC15A4</i>
12	129360484	G	A	<i>GLT1D1</i>
12	129373247	C	T	<i>GLT1D1</i>
12	129558566	C	T	<i>TMEM132D</i>
12	129559228	G	A	<i>TMEM132D</i>
12	129559421	C	T	<i>TMEM132D</i>

12	129559495	A	C	TMEM132D
12	130015620	C	G	TMEM132D
12	130185048	A	G	TMEM132D
12	130387850	T	A	TMEM132D
12	130921701	C	T	RIMBP2
12	130926818	T	A	RIMBP2
12	131306278	T	C	STX2
12	131306314	C	G	STX2
12	131311749	A	C	STX2
12	131471699	G	A	ADGRD1
12	131475607	C	A	ADGRD1
12	131569105	C	T	ADGRD1
12	131620650	C	T	ADGRD1
12	132204043	G	A	SFSWAP
12	132237848	T	C	SFSWAP
12	132281826	G	A	SFSWAP
12	132283582	G	T	SFSWAP
12	132322812	C	A	MMP17
12	132323250	C	G	MMP17
12	132326298	G	A	MMP17
12	132334430	G	A	MMP17
12	132334460	A	G	MMP17
12	132335592	G	A	MMP17
12	132394378	C	T	ULK1
12	132399687	C	T	ULK1
12	132400547	C	G	ULK1
12	132401058	C	T	ULK1
12	132401539	C	T	ULK1
12	132401566	C	T	ULK1
12	132445421	A	G	EP400
12	132466835	C	A	EP400
12	132466836	C	T	EP400
12	132496166	A	G	EP400
12	132510280	G	A	EP400
12	132511987	G	A	EP400
12	132522531	C	T	EP400
12	132549264	C	T	EP400
12	132549291	C	T	EP400
12	132549300	A	G	EP400
12	132562126	G	A	EP400
12	132624434	T	C	DDX51
12	132626425	G	A	DDX51
12	132626452	G	A	DDX51

12	132627365	G	A	DDX51
12	132629445	G	A	NOC4L
12	132632512	G	A	NOC4L
12	132688115	C	T	GALNT9
12	132688169	T	A	GALNT9
12	133102332	G	A	FBRSL1
12	133102351	G	A	FBRSL1
12	133148887	C	T	FBRSL1
12	133149168	C	T	FBRSL1
12	133158097	T	C	FBRSL1
12	133158347	A	G	FBRSL1
12	133196037	C	T	P2RX2
12	133196062	G	A	P2RX2
12	133196619	A	G	P2RX2
12	133202816	C	T	POLE
12	133219838	C	T	POLE
12	133220454	G	A	POLE
12	133220526	T	C	POLE
12	133226340	C	T	POLE
12	133245025	G	C	POLE
12	133245032	A	T	POLE
12	133250183	C	T	POLE
12	133253180	A	T	POLE
12	133253974	C	T	POLE
12	133253995	G	A	POLE
12	133257789	G	A	POLE
12	133277835	G	A	PXMP2
12	133277869	-	G	PXMP2
12	133294371	A	G	PGAM5
12	133295353	C	T	PGAM5
12	133295382	C	G	PGAM5
12	133303973	C	G	ANKLE2
12	133306589	C	T	ANKLE2
12	133331371	G	A	ANKLE2
12	133331459	G	C	ANKLE2
12	133331537	G	A	ANKLE2
12	133354262	C	T	GOLGA3
12	133354313	T	C	GOLGA3
12	133378426	T	C	GOLGA3
12	133378465	G	A	GOLGA3
12	133381403	G	A	GOLGA3
12	133384864	G	A	GOLGA3
12	133393323	C	T	GOLGA3

12	133423662	C	T	CHFR
12	133428242	G	A	CHFR
12	133435735	C	T	CHFR
12	133732236	A	T	ZNF10
12	133732512	A	G	ZNF10
12	133768553	A	T	ZNF268
12	133778796	C	T	ZNF268
12	133778887	G	A	ZNF268
12	133779209	T	-	ZNF268
12	133779327	G	T	ZNF268
13	20207923	C	G	MPHOSPH8
13	20398669	T	C	ZMYM5
13	20398742	C	T	ZMYM5
13	20411701	C	T	ZMYM5
13	20413021	T	C	ZMYM5
13	20425911	C	A	ZMYM5
13	20425948	T	C	ZMYM5
13	20426017	A	G	ZMYM5
13	20426175	G	C	ZMYM5
13	20567666	G	C	ZMYM2
13	20716194	C	T	GJA3
13	20717030	C	T	GJA3
13	20763264	C	T	GJB2
13	20763452	A	G	GJB2
13	20763554	A	-	GJB2
13	20763612	C	T	GJB2
13	20763620	A	G	GJB2
13	20763642	C	T	GJB2
13	20796930	-	T	GJB6
13	20797025	A	T	GJB6
13	21165139	C	T	IFT88
13	21189941	G	A	IFT88
13	21205192	G	A	IFT88
13	21212606	A	G	IFT88
13	21296049	G	A	IL17D
13	21306070	C	T	N6AMT2
13	21370317	T	A	XPO4
13	21549202	A	G	LATS2
13	21549235	G	C	LATS2
13	21563311	G	A	LATS2
13	21729290	-	AGTTTTCTTTG	SKA3
13	21729290	-	AGTTTTCTTTG	SKA3
13	21729290	-	AGTTTTCTT	SKA3

13	21729290	-	AGTTTTCTTTG	SKA3
13	21729883	C	A	SKA3
13	21732137	G	A	SKA3
13	21732175	G	T	SKA3
13	21735998	T	C	SKA3
13	21736016	-	TTTATTATTCCT	SKA3
13	21746609	A	G	SKA3
13	21746637	C	T	SKA3
13	21746643	-	CG	SKA3
13	21751164	C	T	MRPL57
13	21955582	C	T	ZDHHC20
13	21955635	C	T	ZDHHC20
13	21957120	G	A	ZDHHC20
13	22077081	T	A	MICU2
13	22077082	T	A	MICU2
13	23824818	G	A	SGCG
13	23904298	T	G	SACS
13	23907033	G	A	SACS
13	23907909	A	G	SACS
13	23909676	A	C	SACS
13	23910487	C	T	SACS
13	23911234	G	T	SACS
13	23913549	T	C	SACS
13	23913939	A	G	SACS
13	23915032	C	A	SACS
13	23927963	G	A	SACS
13	23928866	C	T	SACS
13	23929378	G	A	SACS
13	23930055	A	T	SACS
13	24167505	T	A	TNFRSF19
13	24242166	C	T	TNFRSF19
13	24243204	G	A	TNFRSF19
13	24304584	C	T	MIPEP
13	24411772	T	C	MIPEP
13	24436475	C	T	MIPEP
13	24797564	C	T	SPATA13
13	24797786	G	A	SPATA13
13	24798485	G	A	SPATA13
13	24798506	C	T	SPATA13
13	24798565	G	A	SPATA13
13	24823699	G	A	SPATA13
13	24823894	C	T	SPATA13
13	24863179	G	A	SPATA13

13	24890157	C	T	C1QTNF9
13	25008588	A	G	PARP4
13	25009099	A	C	PARP4
13	25009288	C	T	PARP4
13	25009297	G	T	PARP4
13	25020863	G	A	PARP4
13	25027744	A	G	PARP4
13	25029218	C	T	PARP4
13	25029295	C	T	PARP4
13	25034237	T	G	PARP4
13	25052376	C	A	PARP4
13	25066593	A	G	PARP4
13	25068808	A	T	PARP4
13	25074490	C	T	PARP4
13	25075864	T	C	PARP4
13	25264516	C	A	ATP12A
13	25267017	A	C	ATP12A
13	25267027	T	G	ATP12A
13	25272826	G	A	ATP12A
13	25272833	G	A	ATP12A
13	25283596	C	T	ATP12A
13	25367282	A	C	RNF17
13	25373634	A	G	RNF17
13	25378476	A	G	RNF17
13	25417907	A	G	RNF17
13	25440318	G	A	RNF17
13	25444875	C	T	RNF17
13	25457410	C	T	CENPJ
13	25478104	T	C	CENPJ
13	25479541	A	C	CENPJ
13	25481285	A	C	CENPJ
13	25486911	G	T	CENPJ
13	25487103	T	C	CENPJ
13	25670422	AGA	-	PABPC3
13	25743781	G	C	AMER2
13	25744304	G	T	AMER2
13	25745286	C	G	AMER2
13	25823441	C	T	MTMR6
13	25828007	G	T	MTMR6
13	25831888	T	C	MTMR6
13	25835847	G	C	MTMR6
13	25839959	C	T	MTMR6
13	25841953	C	T	MTMR6

13	25842016	C	G	<i>MTMR6</i>
13	25887811	T	C	<i>NUP58</i>
13	25889495	G	A	<i>NUP58</i>
13	26043196	C	T	<i>ATP8A2</i>
13	26151251	G	A	<i>ATP8A2</i>
13	26273377	G	A	<i>ATP8A2</i>
13	26788151	C	T	<i>RNF6</i>
13	26788394	G	T	<i>RNF6</i>
13	26793644	T	C	<i>RNF6</i>
13	27256902	C	G	<i>WASF3</i>
13	28001305	C	T	<i>GTF3A</i>
13	28009031	G	C	<i>GTF3A</i>
13	28009920	G	C	<i>MTIF3</i>
13	28014173	T	C	<i>MTIF3</i>
13	28143229	A	G	<i>LNX2</i>
13	28143388	C	T	<i>LNX2</i>
13	28155529	A	T	<i>LNX2</i>
13	28239999	A	G	<i>POLR1D</i>
13	28537317	G	A	<i>CDX2</i>
13	28562605	T	G	<i>URAD</i>
13	28578283	G	A	<i>FLT3</i>
13	28623587	C	T	<i>FLT3</i>
13	28624294	G	A	<i>FLT3</i>
13	28626716	C	T	<i>FLT3</i>
13	28834614	A	G	<i>PAN3</i>
13	28844967	T	C	<i>PAN3</i>
13	28866586	C	G	<i>PAN3</i>
13	28897068	T	C	<i>FLT1</i>
13	28942738	ATGATGATGAT	-	<i>FLT1</i>
13	28964035	T	C	<i>FLT1</i>
13	28971113	T	C	<i>FLT1</i>
13	29041046	T	G	<i>FLT1</i>
13	29236626	A	C	<i>POMP</i>
13	29287326	C	A	<i>SLC46A3</i>
13	29287552	C	T	<i>SLC46A3</i>
13	29599238	T	C	<i>MTUS2</i>
13	29599410	C	T	<i>MTUS2</i>
13	29600208	G	A	<i>MTUS2</i>
13	29600415	A	G	<i>MTUS2</i>
13	29600526	A	G	<i>MTUS2</i>
13	29855847	C	T	<i>MTUS2</i>
13	29898768	A	C	<i>MTUS2</i>
13	29898783	C	T	<i>MTUS2</i>

13	29933450	C	T	MTUS2
13	30091775	G	A	SLC7A1
13	30804719	C	A	KATNAL1
13	30854289	A	C	KATNAL1
13	31221106	C	T	USPL1
13	31227339	G	T	USPL1
13	31231778	G	C	USPL1
13	31231806	T	C	USPL1
13	31231872	T	C	USPL1
13	31233063	G	A	USPL1
13	31233242	G	A	USPL1
13	31233377	A	T	USPL1
13	31513900	T	C	TEX26
13	31526877	A	G	TEX26
13	31543068	G	T	TEX26
13	31712572	C	T	HSPH1
13	31729776	T	G	HSPH1
13	31848718	G	A	B3GLCT
13	31891743	G	A	B3GLCT
13	31891746	G	A	B3GLCT
13	32332484	G	A	RXFP2
13	32351535	A	C	RXFP2
13	32352714	A	G	RXFP2
13	32367033	C	G	RXFP2
13	32371361	A	G	RXFP2
13	32371409	G	A	RXFP2
13	32606002	A	C	FRY
13	32768428	G	A	FRY
13	32776571	G	C	FRY
13	32785102	G	A	FRY
13	32811974	C	T	FRY
13	32828460	A	G	FRY
13	32885458	T	C	ZAR1L
13	32885654	T	C	ZAR1L
13	32893271	A	G	BRCA2
13	32906480	A	C	BRCA2
13	32906729	A	C	BRCA2
13	32906766	C	T	BRCA2
13	32907129	T	C	BRCA2
13	32910456	C	G	BRCA2
13	32911463	A	G	BRCA2
13	32914236	C	T	BRCA2
13	32914438	T	-	BRCA2

13	32914592	C	T	<i>BRCA2</i>
13	32914815	G	A	<i>BRCA2</i>
13	32929387	T	C	<i>BRCA2</i>
13	32937488	G	T	<i>BRCA2</i>
13	32937521	G	A	<i>BRCA2</i>
13	32945172	A	C	<i>BRCA2</i>
13	32953550	G	A	<i>BRCA2</i>
13	32977099	C	T	<i>N4BP2L1</i>
13	33016660	C	T	<i>N4BP2L2</i>
13	33017043	T	C	<i>N4BP2L2</i>
13	33018121	C	A	<i>N4BP2L2</i>
13	33590904	T	G	<i>KL</i>
13	33591192	G	A	<i>KL</i>
13	33628193	G	C	<i>KL</i>
13	33629393	C	T	<i>KL</i>
13	33635842	G	A	<i>KL</i>
13	33692335	G	T	<i>STARD13</i>
13	33703240	G	A	<i>STARD13</i>
13	33703666	C	G	<i>STARD13</i>
13	33704065	T	C	<i>STARD13</i>
13	33704290	G	A	<i>STARD13</i>
13	35747681	A	G	<i>NBEA</i>
13	36049456	T	C	<i>MAB21L1</i>
13	36158038	A	G	<i>NBEA</i>
13	36202269	A	G	<i>NBEA</i>
13	36239272	G	T	<i>NBEA</i>
13	36428667	G	C	<i>DCLK1</i>
13	36744910	C	T	<i>SOHLH2</i>
13	36748957	C	T	<i>SOHLH2</i>
13	36776175	G	A	<i>SOHLH2</i>
13	36801415	C	T	<i>CCDC169</i>
13	36828237	T	C	<i>CCDC169</i>
13	36900828	T	C	<i>SPG20</i>
13	36909607	C	A	<i>SPG20</i>
13	37393904	T	C	<i>RFXAP</i>
13	37446978	C	T	<i>SMAD9</i>
13	37453762	A	G	<i>SMAD9</i>
13	37573407	G	C	<i>ALG5</i>
13	37580078	C	A	<i>EXOSC8</i>
13	37583420	G	C	<i>EXOSC8</i>
13	37583831	G	A	<i>SUPT20H</i>
13	37678884	C	G	<i>CSNK1A1L</i>
13	38138689	C	T	<i>POSTN</i>

13	38143472	A	G	POSTN
13	38154776	G	A	POSTN
13	38156538	C	T	POSTN
13	39261568	GCT	-	FREM2
13	39263609	C	T	FREM2
13	39263646	G	A	FREM2
13	39263789	G	A	FREM2
13	39264083	C	G	FREM2
13	39264690	T	C	FREM2
13	39265512	G	A	FREM2
13	39266484	G	A	FREM2
13	39343822	C	T	FREM2
13	39422624	C	T	FREM2
13	39424253	C	G	FREM2
13	39430314	C	T	FREM2
13	39435583	G	A	FREM2
13	39453010	G	A	FREM2
13	39454452	C	T	FREM2
13	39544507	C	T	STOML3
13	39586979	G	T	PROSER1
13	39587260	G	A	PROSER1
13	39587409	C	A	PROSER1
13	39587677	A	G	PROSER1
13	39587813	T	C	PROSER1
13	39587920	G	C	PROSER1
13	39618302	T	G	NHLRC3
13	39621264	A	G	NHLRC3
13	39621933	C	T	NHLRC3
13	39621965	G	T	NHLRC3
13	40229891	G	A	COG6
13	40229957	T	A	COG6
13	40293428	T	C	COG6
13	41323397	C	T	MRPS31
13	41331027	G	A	MRPS31
13	41373319	G	A	SLC25A15
13	41515118	C	T	ELF1
13	41515286	T	A	ELF1
13	41533052	T	C	ELF1
13	41656881	A	G	WBP4
13	41814531	C	T	MTRF1
13	41834703	G	A	MTRF1
13	41835039	T	C	MTRF1
13	41891040	C	T	NAA16

13	41894893	A	G	NAA16
13	41910789	A	G	NAA16
13	41929296	A	G	NAA16
13	42189142	C	T	VWA8
13	42264380	C	T	VWA8
13	42301395	C	T	VWA8
13	42352171	T	C	VWA8
13	42385421	C	T	VWA8
13	42385446	T	C	VWA8
13	42390907	G	A	VWA8
13	42404710	C	T	VWA8
13	42442546	A	G	VWA8
13	42465713	C	T	VWA8
13	42481820	G	A	VWA8
13	42740666	C	A	DGKH
13	42761244	C	A	DGKH
13	42793468	C	A	DGKH
13	42803263	T	C	DGKH
13	42872866	A	G	AKAP11
13	42874595	A	C	AKAP11
13	42874596	G	C	AKAP11
13	42874891	C	T	AKAP11
13	42875089	C	T	AKAP11
13	42875683	A	G	AKAP11
13	42876091	A	G	AKAP11
13	42876647	ATT	-	AKAP11
13	42876835	T	G	AKAP11
13	42877750	T	G	AKAP11
13	43362844	C	T	FAM216B
13	43462422	A	T	EPST11
13	43462434	-	TCAGG	EPST11
13	43872493	C	G	ENOX1
13	44411421	C	T	CCDC122
13	44411432	A	G	CCDC122
13	44455233	A	G	LACC1
13	44457925	A	G	LACC1
13	45008839	G	A	TSC22D1
13	45147305	T	A	TSC22D1
13	45148866	CCA	-	TSC22D1
13	45149973	G	A	TSC22D1
13	45533678	T	C	NUFIP1
13	45589192	A	G	GPALPP1
13	45589616	C	G	GPALPP1

13	45589633	G	T	<i>GPALPP1</i>
13	45601999	C	T	<i>GPALPP1</i>
13	45781579	A	G	<i>GTF2F2</i>
13	45970147	A	G	<i>SLC25A30</i>
13	46103935	A	G	<i>COG3</i>
13	46104832	G	A	<i>COG3</i>
13	46115707	G	A	<i>ERICH6B</i>
13	46115731	C	A	<i>ERICH6B</i>
13	46124056	T	C	<i>ERICH6B</i>
13	46124375	C	G	<i>ERICH6B</i>
13	46154749	A	G	<i>ERICH6B</i>
13	46170609	C	T	<i>ERICH6B</i>
13	46170621	A	T	<i>ERICH6B</i>
13	46287373	C	A	<i>SPERT</i>
13	46287707	C	A	<i>SPERT</i>
13	46287911	C	T	<i>SPERT</i>
13	46538118	G	T	<i>ZC3H13</i>
13	46541673	T	A	<i>ZC3H13</i>
13	46541962	C	T	<i>ZC3H13</i>
13	46543092	C	T	<i>ZC3H13</i>
13	46543185	A	G	<i>ZC3H13</i>
13	46584582	C	T	<i>ZC3H13</i>
13	46594619	T	C	<i>ZC3H13</i>
13	46629944	A	G	<i>CPB2</i>
13	46648094	C	T	<i>CPB2</i>
13	46708291	T	C	<i>LCP1</i>
13	46725183	C	T	<i>LCP1</i>
13	46726923	C	T	<i>LCP1</i>
13	46733070	G	A	<i>LCP1</i>
13	46801970	A	G	<i>LRRC63</i>
13	46802177	A	G	<i>LRRC63</i>
13	46808396	C	G	<i>LRRC63</i>
13	46840996	A	C	<i>LRRC63</i>
13	46917469	G	A	<i>KIAA0226L</i>
13	46935652	C	T	<i>KIAA0226L</i>
13	46946157	C	T	<i>KIAA0226L</i>
13	46952078	T	C	<i>KIAA0226L</i>
13	47275283	G	A	<i>LRCH1</i>
13	47279258	G	T	<i>LRCH1</i>
13	47303075	C	T	<i>LRCH1</i>
13	47345630	C	T	<i>ESD</i>
13	47354101	C	T	<i>ESD</i>
13	47409034	G	A	<i>HTR2A</i>

13	47409048	G	A	<i>HTR2A</i>
13	48611919	G	-	<i>NUDT15</i>
13	48611919	GGAGTC	-	<i>NUDT15</i>
13	48611920	G	-	<i>NUDT15</i>
13	48611924	-	GGAGTC	<i>NUDT15</i>
13	48619855	C	T	<i>NUDT15</i>
13	48651329	A	T	<i>MED4</i>
13	48664499	C	T	<i>MED4</i>
13	48939088	C	T	<i>RB1</i>
13	48985639	C	A	<i>LPAR6</i>
13	48985925	G	C	<i>LPAR6</i>
13	49033829	C	T	<i>RB1</i>
13	49084892	C	T	<i>RCBTB2</i>
13	49281101	T	G	<i>CYSLTR2</i>
13	49281261	A	G	<i>CYSLTR2</i>
13	49281414	G	A	<i>CYSLTR2</i>
13	49281554	A	G	<i>CYSLTR2</i>
13	49281785	T	A	<i>CYSLTR2</i>
13	49775997	A	G	<i>FNDC3A</i>
13	49796269	TC	-	<i>MLNR</i>
13	49841707	A	G	<i>CDADC1</i>
13	50057097	G	A	<i>SETDB2</i>
13	50059847	A	G	<i>SETDB2</i>
13	50140824	T	G	<i>RCBTB1</i>
13	50141345	G	A	<i>RCBTB1</i>
13	50204777	G	T	<i>ARL11</i>
13	50204975	C	T	<i>ARL11</i>
13	50205025	T	C	<i>ARL11</i>
13	50205029	G	A	<i>ARL11</i>
13	50235186	G	A	<i>EBPL</i>
13	50306528	T	C	<i>KPNA3</i>
13	50587140	G	C	<i>TRIM13</i>
13	50589929	A	-	<i>KCNRG</i>
13	51519581	G	A	<i>RNASEH2B</i>
13	51528086	A	G	<i>RNASEH2B</i>
13	51530530	G	T	<i>RNASEH2B</i>
13	51805510	C	T	<i>FAM124A</i>
13	51855043	A	G	<i>FAM124A</i>
13	51918558	G	A	<i>SERPINE3</i>
13	52301909	C	G	<i>WDFY2</i>
13	52345460	G	A	<i>DHRS12</i>
13	52345553	ATT	-	<i>DHRS12</i>
13	52346022	C	G	<i>DHRS12</i>

13	52365354	G	T	DHRS12
13	52439593	C	T	CCDC70
13	52439890	C	T	CCDC70
13	52440130	A	G	CCDC70
13	52508989	G	A	ATP7B
13	52513198	T	C	ATP7B
13	52513266	T	C	ATP7B
13	52515354	A	G	ATP7B
13	52520508	G	A	ATP7B
13	52524268	C	T	ATP7B
13	52535997	A	G	ATP7B
13	52542680	A	G	ATP7B
13	52544805	C	G	ATP7B
13	52548140	A	C	ATP7B
13	52598189	A	G	ALG11
13	52603448	A	G	UTP14C
13	52603679	A	G	UTP14C
13	52605154	C	G	UTP14C
13	52639602	C	T	NEK5
13	52660472	G	A	NEK5
13	52676275	T	G	NEK5
13	52686430	G	A	NEK5
13	52693493	-	TCA	NEK5
13	52715168	T	A	NEK3
13	52718050	-	T	NEK3
13	52726772	C	T	NEK3
13	52730259	T	A	NEK3
13	52952024	C	A	THSD1
13	52952306	C	T	THSD1
13	52952634	C	G	THSD1
13	52971517	C	T	THSD1
13	52971687	A	G	THSD1
13	52971718	G	C	THSD1
13	53035925	A	G	CKAP2
13	53039547	C	T	CKAP2
13	53042440	G	A	CKAP2
13	53047966	G	A	CKAP2
13	53049198	G	C	CKAP2
13	53277854	T	G	LECT1
13	53286950	C	T	LECT1
13	53298212	T	G	LECT1
13	53419568	A	G	PCDH8
13	53603077	T	C	OLFM4

13	53617309	C	T	OLFM4
13	58207711	G	T	PCDH17
13	58298905	C	G	PCDH17
13	58299377	T	A	PCDH17
13	60348894	C	T	DIAPH3
13	60348895	G	A	DIAPH3
13	60435526	T	C	DIAPH3
13	60485882	T	C	DIAPH3
13	60485919	A	G	DIAPH3
13	60545105	G	T	DIAPH3
13	60545158	G	A	DIAPH3
13	60545182	G	A	DIAPH3
13	60545212	G	A	DIAPH3
13	60566644	T	C	DIAPH3
13	60590205	A	G	DIAPH3
13	61102576	ATA	-	TDRD3
13	61103041	G	T	TDRD3
13	61141669	G	A	TDRD3
13	61986223	C	T	PCDH20
13	61987430	G	T	PCDH20
13	66878874	G	T	PCDH9
13	67477723	G	T	PCDH9
13	70370928	A	C	KLHL1
13	70549906	G	A	KLHL1
13	70681453	C	T	KLHL1
13	72049312	G	A	DACH1
13	72063188	A	G	DACH1
13	73317711	A	G	BORA
13	73317740	-	GTGA	BORA
13	73319139	G	A	BORA
13	73319166	C	A	BORA
13	73319236	C	T	BORA
13	73333935	A	G	DIS3
13	73340177	G	A	DIS3
13	73346905	C	T	DIS3
13	73347859	G	A	DIS3
13	73369642	A	G	PIBF1
13	73401237	G	A	PIBF1
13	73482747	C	A	PIBF1
13	73505365	T	G	PIBF1
13	73539466	A	G	PIBF1
13	73573048	A	C	PIBF1
13	73636581	C	G	KLF5

13	75861001	A	G	TBC1D4
13	75863116	T	C	TBC1D4
13	75866284	G	A	TBC1D4
13	75884216	C	T	TBC1D4
13	75887003	T	C	TBC1D4
13	75900510	G	A	TBC1D4
13	75911097	T	C	TBC1D4
13	75915303	T	G	TBC1D4
13	76197458	T	C	LMO7
13	76335140	GATCTACAGGA-		LMO7
13	76381713	A	T	LMO7
13	76382056	C	T	LMO7
13	76382100	C	T	LMO7
13	76395342	C	T	LMO7
13	76395464	C	T	LMO7
13	76395620	C	T	LMO7
13	76397710	G	A	LMO7
13	76397731	G	A	LMO7
13	76415283	G	T	LMO7
13	76423248	T	C	LMO7
13	76427253	T	G	LMO7
13	76427347	C	A	LMO7
13	76427403	G	A	LMO7
13	76427410	C	G	LMO7
13	77527743	T	G	IRG1
13	77531179	A	G	IRG1
13	77531996	T	C	IRG1
13	77566147	C	T	CLN5
13	77566238	C	T	CLN5
13	77574606	C	A	CLN5
13	77574983	A	G	CLN5
13	77672767	C	T	MYCBP2
13	77672926	A	G	MYCBP2
13	77699555	C	T	MYCBP2
13	77699596	T	C	MYCBP2
13	77718663	T	C	MYCBP2
13	77740577	T	C	MYCBP2
13	77742618	T	C	MYCBP2
13	77751957	T	C	MYCBP2
13	77754330	C	T	MYCBP2
13	78146303	C	T	SCEL
13	78165565	A	G	SCEL
13	78178550	G	A	SCEL

13	78188078	A	G	SCEL
13	78192153	A	G	SCEL
13	78216922	C	T	SCEL
13	78320801	C	G	SLAIN1
13	78320829	C	T	SLAIN1
13	78475230	C	T	EDNRB
13	78477314	C	A	EDNRB
13	78492540	C	T	EDNRB
13	79940211	G	A	RBM26
13	80095030	C	T	NDFIP2
13	80095078	G	A	NDFIP2
13	80911525	G	A	SPRY2
13	84454391	T	A	SLITRK1
13	86370571	G	A	SLITRK6
13	88329468	G	A	SLITRK5
13	92345579	C	T	GPC5
13	92345590	C	A	GPC5
13	92380829	G	A	GPC5
13	94197611	C	T	GPC6
13	95034749	G	A	GPC6
13	95055373	C	T	GPC6
13	95271496	G	A	GPR180
13	95705380	G	A	ABCC4
13	95735484	T	C	ABCC4
13	95815415	C	T	ABCC4
13	95858806	C	T	ABCC4
13	95859035	C	A	ABCC4
13	95863008	C	A	ABCC4
13	95953517	G	T	ABCC4
13	96239889	T	G	DZIP1
13	96242060	G	A	DZIP1
13	96242564	A	C	DZIP1
13	96293631	G	A	DZIP1
13	96505874	T	C	UGGT2
13	96506596	T	C	UGGT2
13	96506633	C	T	UGGT2
13	96511850	A	G	UGGT2
13	96511868	T	A	UGGT2
13	96530020	C	A	UGGT2
13	96540168	G	A	UGGT2
13	96540204	T	G	UGGT2
13	96546850	G	A	UGGT2
13	96546880	G	A	UGGT2

13	96555149	C	T	<i>UGGT2</i>
13	96579380	A	C	<i>UGGT2</i>
13	96622470	G	A	<i>UGGT2</i>
13	96624885	C	T	<i>UGGT2</i>
13	96638636	A	C	<i>UGGT2</i>
13	96638651	C	T	<i>UGGT2</i>
13	96675361	C	T	<i>UGGT2</i>
13	97484830	A	G	<i>HS6ST3</i>
13	97485295	A	T	<i>HS6ST3</i>
13	97639878	C	T	<i>OXGR1</i>
13	97639880	A	-	<i>OXGR1</i>
13	98671883	C	T	<i>IPO5</i>
13	98828727	C	T	<i>RNF113B</i>
13	98896944	A	G	<i>FARP1</i>
13	99038001	C	T	<i>FARP1</i>
13	99047509	G	A	<i>FARP1</i>
13	99083304	C	T	<i>FARP1</i>
13	99083321	C	T	<i>FARP1</i>
13	99092998	C	T	<i>FARP1</i>
13	99109476	G	A	<i>STK24</i>
13	99337112	T	C	<i>SLC15A1</i>
13	99338487	A	G	<i>SLC15A1</i>
13	99356607	G	T	<i>SLC15A1</i>
13	99358401	C	G	<i>SLC15A1</i>
13	99378690	T	C	<i>SLC15A1</i>
13	99554621	G	A	<i>DOCK9</i>
13	99582495	C	T	<i>DOCK9</i>
13	99907568	G	T	<i>GPR18</i>
13	100518580	A	G	<i>CLYBL</i>
13	100543648	C	T	<i>CLYBL</i>
13	100623815	A	C	<i>ZIC5</i>
13	100925464	C	G	<i>PCCA</i>
13	100962156	A	G	<i>PCCA</i>
13	101020733	G	T	<i>PCCA</i>
13	101257309	G	C	<i>TMTC4</i>
13	101258623	T	C	<i>TMTC4</i>
13	101287340	C	T	<i>TMTC4</i>
13	101763029	G	A	<i>NALCN</i>
13	101881803	T	C	<i>NALCN</i>
13	101936303	C	T	<i>NALCN</i>
13	102047617	C	A	<i>NALCN</i>
13	102235608	C	T	<i>ITGBL1</i>
13	102250542	C	T	<i>ITGBL1</i>

13	102568872	C	A	<i>FGF14</i>
13	103249509	G	A	<i>TPP2</i>
13	103338721	T	C	<i>METTTL21C</i>
13	103339363	C	G	<i>METTTL21C</i>
13	103343230	C	G	<i>METTTL21C</i>
13	103346806	C	G	<i>METTTL21C</i>
13	103382660	A	G	<i>CCDC168</i>
13	103383417	T	C	<i>CCDC168</i>
13	103383497	T	C	<i>CCDC168</i>
13	103383524	T	G	<i>CCDC168</i>
13	103383557	G	A	<i>CCDC168</i>
13	103383951	C	T	<i>CCDC168</i>
13	103384048	G	T	<i>CCDC168</i>
13	103384712	G	A	<i>CCDC168</i>
13	103385064	T	C	<i>CCDC168</i>
13	103385534	C	T	<i>CCDC168</i>
13	103387043	C	T	<i>CCDC168</i>
13	103387430	G	A	<i>CCDC168</i>
13	103388015	C	G	<i>CCDC168</i>
13	103388370	C	T	<i>CCDC168</i>
13	103388378	C	T	<i>CCDC168</i>
13	103388877	G	A	<i>CCDC168</i>
13	103388880	T	C	<i>CCDC168</i>
13	103389164	T	G	<i>CCDC168</i>
13	103389656	A	G	<i>CCDC168</i>
13	103389885	T	G	<i>CCDC168</i>
13	103390083	C	T	<i>CCDC168</i>
13	103390086	C	T	<i>CCDC168</i>
13	103390322	T	C	<i>CCDC168</i>
13	103390386	C	A	<i>CCDC168</i>
13	103390701	A	T	<i>CCDC168</i>
13	103391187	T	C	<i>CCDC168</i>
13	103392127	T	A	<i>CCDC168</i>
13	103392562	C	A	<i>CCDC168</i>
13	103392709	A	T	<i>CCDC168</i>
13	103392741	G	A	<i>CCDC168</i>
13	103394421	T	C	<i>CCDC168</i>
13	103395425	C	T	<i>CCDC168</i>
13	103395789	G	C	<i>CCDC168</i>
13	103396628	C	T	<i>CCDC168</i>
13	103397009	T	G	<i>CCDC168</i>
13	103399194	T	C	<i>CCDC168</i>
13	103399313	G	A	<i>CCDC168</i>

13	103399761	G	T	CCDC168
13	103400033	A	G	CCDC168
13	103401480	T	C	CCDC168
13	103401929	A	G	CCDC168
13	103410914	A	T	CCDC168
13	103449202	T	C	KDELC1
13	103459861	A	G	BIVM
13	103498672	C	T	ERCC5
13	103510638	A	G	ERCC5
13	103513944	A	G	ERCC5
13	103513951	A	G	ERCC5
13	103515085	G	C	ERCC5
13	103515288	G	C	ERCC5
13	103518693	G	A	ERCC5
13	103520565	A	G	ERCC5
13	103524687	G	A	ERCC5
13	103527849	G	C	ERCC5
13	103527930	G	C	ERCC5
13	103528002	G	C	ERCC5
13	103528048	C	T	ERCC5
13	103701648	A	G	SLC10A2
13	103701672	A	G	SLC10A2
13	103701690	G	A	SLC10A2
13	103701773	G	A	SLC10A2
13	103705044	A	C	SLC10A2
13	103710635	C	T	SLC10A2
13	103718308	C	T	SLC10A2
13	103718520	T	C	SLC10A2
13	106119446	G	A	DAOA
13	107211797	C	T	ARGLU1
13	107823070	T	A	FAM155A
13	108518707	GCTGCTGCC	-	FAM155A
13	108518709	TGCTGCC	-	FAM155A
13	108518717	C	-	FAM155A
13	108518727	T	C	FAM155A
13	108518727	T	-	FAM155A
13	108861092	G	T	LIG4
13	108881859	G	A	ABHD13
13	109438084	T	A	MYO16
13	109472710	T	A	MYO16
13	109472733	G	A	MYO16
13	109475610	G	A	MYO16
13	109550367	G	A	MYO16

13	109562437	A	C	MYO16
13	109661359	C	G	MYO16
13	109699335	G	A	MYO16
13	109707457	A	G	MYO16
13	109777503	A	G	MYO16
13	109859071	G	A	MYO16
13	110435231	C	T	IRS2
13	110818598	T	G	COL4A1
13	110839550	T	G	COL4A1
13	111082772	G	T	COL4A2
13	111082914	A	T	COL4A2
13	111109725	G	A	COL4A2
13	111119396	G	C	COL4A2
13	111121570	A	G	COL4A2
13	111121620	C	T	COL4A2
13	111142112	G	A	COL4A2
13	111143601	A	G	COL4A2
13	111156250	G	A	COL4A2
13	111176316	T	C	RAB20
13	111213794	A	G	RAB20
13	111279817	A	G	CARKD
13	111279844	G	A	CARKD
13	111287047	C	T	CARKD
13	111290628	G	C	CARKD
13	111290630	T	C	CARKD
13	111293895	-	T	CARS2
13	111293915	T	G	CARS2
13	111335467	C	T	CARS2
13	111335479	T	C	CARS2
13	111340101	T	A	CARS2
13	111367876	G	C	ING1
13	111367955	C	A	ING1
13	111532242	CTC	-	ANKRD10
13	111532288	G	A	ANKRD10
13	111532381	G	A	ANKRD10
13	111563063	T	C	ANKRD10
13	111862344	A	T	ARHGEF7
13	111932944	G	A	ARHGEF7
13	111995104	G	A	TEX29
13	111995152	C	G	TEX29
13	112722387	G	A	SOX1
13	113030773	G	A	SPACA7
13	113052447	C	T	SPACA7

13	113053470	T	A	SPACA7
13	113210540	-	A	TUBGCP3
13	113337689	C	T	ATP11AUN
13	113479820	A	G	ATP11A
13	113530199	G	A	ATP11A
13	113536240	CT	-	ATP11A
13	113536257	T	C	ATP11A
13	113718663	A	G	MCF2L
13	113720477	G	A	MCF2L
13	113729367	A	G	MCF2L
13	113729439	C	T	MCF2L
13	113732707	C	T	MCF2L
13	113735585	G	A	MCF2L
13	113748872	G	A	MCF2L
13	113773159	G	A	F7
13	113795286	G	A	F10
13	113813005	C	G	PROZ
13	113817332	C	G	PROZ
13	113824745	G	A	PROZ
13	113825992	A	T	PROZ
13	113826090	C	T	PROZ
13	113826100	G	A	PROZ
13	113851462	G	A	PCID2
13	113882307	T	C	CUL4A
13	113909339	A	G	CUL4A
13	113964003	C	T	LAMP1
13	113973832	C	T	LAMP1
13	113979972	-	CACT	GRTP1
13	114077172	C	T	ADPRHL1
13	114078558	A	C	ADPRHL1
13	114134903	T	C	DCUN1D2
13	114150039	A	G	TMCO3
13	114175032	G	A	TMCO3
13	114175038	G	A	TMCO3
13	114188464	G	A	TMCO3
13	114303693	T	A	ATP4B
13	114309237	C	T	ATP4B
13	114469204	G	A	TMEM255B
13	114498154	G	C	TMEM255B
13	114504663	G	A	TMEM255B
13	114531587	C	T	GAS6
13	114538515	G	A	GAS6
13	115048398	A	G	UPF3A

13	115090243	C	T	CHAMP1
13	115091073	G	T	CHAMP1
14	20215941	A	G	OR4Q3
14	20249266	G	A	OR4M1
14	20249316	G	A	OR4M1
14	20296473	T	C	OR4N2
14	20344580	G	A	OR4K2
14	20389606	G	A	OR4K5
14	20404046	C	G	OR4K1
14	20404238	G	A	OR4K1
14	20404282	G	A	OR4K1
14	20444588	T	C	OR4K15
14	20444607	C	G	OR4K15
14	20502044	G	T	OR4K13
14	20502506	G	C	OR4K13
14	20528321	A	G	OR4L1
14	20528359	G	T	OR4L1
14	20528398	TC	-	OR4L1
14	20528449	CATAGATTTGC	-	OR4L1
14	20528451	T	-	OR4L1
14	20528481	C	T	OR4L1
14	20528558	G	A	OR4L1
14	20528669	T	A	OR4L1
14	20528682	T	C	OR4L1
14	20585924	A	G	OR4K17
14	20586042	G	C	OR4K17
14	20665538	C	T	OR11G2
14	20665840	G	A	OR11G2
14	20666175	-	A	OR11G2
14	20691888	C	A	OR11H6
14	20691962	C	G	OR11H6
14	20691992	C	A	OR11H6
14	20692305	G	A	OR11H6
14	20692453	G	T	OR11H6
14	20692574	T	C	OR11H6
14	20692800	G	T	OR11H6
14	20711005	G	A	OR11H4
14	20711179	G	C	OR11H4
14	20711524	G	C	OR11H4
14	20711681	G	A	OR11H4
14	20763603	T	C	TTC5
14	20770126	-	A	TTC5
14	20822308	A	G	PARP2

14	20823052	G	A	PARP2
14	20837033	T	C	TEP1
14	20837701	G	C	TEP1
14	20837854	T	C	TEP1
14	20839766	C	T	TEP1
14	20841707	C	T	TEP1
14	20845770	T	C	TEP1
14	20848532	C	T	TEP1
14	20849189	G	C	TEP1
14	20850156	C	G	TEP1
14	20850171	G	A	TEP1
14	20851756	T	C	TEP1
14	20852267	C	T	TEP1
14	20852618	C	T	TEP1
14	20852817	G	A	TEP1
14	20863714	C	T	TEP1
14	20869194	G	A	TEP1
14	20869705	C	A	TEP1
14	20871973	T	C	TEP1
14	20872834	C	T	TEP1
14	20872881	G	T	TEP1
14	20874411	T	C	TEP1
14	20876189	G	A	TEP1
14	20876253	A	G	TEP1
14	20876354	AGGCACTGGTT-		TEP1
14	20897064	C	T	KLHL33
14	20897097	C	-	KLHL33
14	20897676	T	C	KLHL33
14	20898308	C	T	KLHL33
14	20920520	G	T	OSGEP
14	20924167	G	C	APEX1
14	20925154	T	G	APEX1
14	20925581	-	T	APEX1
14	20940606	G	A	PNP
14	20978721	A	G	RNASE10
14	20979022	G	A	RNASE10
14	21024786	A	G	RNASE9
14	21026773	C	T	RNASE9
14	21052249	G	A	RNASE11
14	21052270	G	A	RNASE11
14	21052414	T	A	RNASE11
14	21109255	T	C	OR6S1
14	21109385	C	T	OR6S1

14	21109505	G	T	OR6S1
14	21161845	A	T	ANG
14	21161931	A	G	ANG
14	21167642	C	T	RNASE4
14	21215833	G	C	EDDM3A
14	21215923	G	T	EDDM3A
14	21216136	G	A	EDDM3A
14	21238322	C	G	EDDM3B
14	21238437	G	A	EDDM3B
14	21249869	G	C	RNASE6
14	21250124	G	A	RNASE6
14	21269990	C	G	RNASE1
14	21360059	C	T	RNASE3
14	21360216	C	G	RNASE3
14	21424041	G	T	RNASE2
14	21424241	A	C	RNASE2
14	21458181	G	A	METTTL17
14	21458649	C	G	METTTL17
14	21460770	G	T	METTTL17
14	21464070	A	G	METTTL17
14	21464858	G	A	METTTL17
14	21464935	T	C	METTTL17
14	21467913	T	G	SLC39A2
14	21467928	T	C	SLC39A2
14	21469248	T	C	SLC39A2
14	21469470	C	A	SLC39A2
14	21498802	G	-	TPPP2
14	21498871	C	G	TPPP2
14	21500129	G	C	TPPP2
14	21500218	C	G	TPPP2
14	21502110	G	A	RNASE13
14	21511570	A	C	RNASE7
14	21526079	C	T	RNASE8
14	21546354	C	T	ARHGEF40
14	21548913	G	A	ARHGEF40
14	21548930	G	A	ARHGEF40
14	21549776	G	A	ARHGEF40
14	21551069	T	C	ARHGEF40
14	21553057	T	C	ARHGEF40
14	21623290	T	C	OR5AU1
14	21623836	G	A	OR5AU1
14	21762845	T	A	RPGRIP1
14	21769193	C	A	RPGRIP1

14	21770730	A	G	<i>RPGRIP1</i>
14	21790040	G	T	<i>RPGRIP1</i>
14	21794177	G	A	<i>RPGRIP1</i>
14	21833262	T	C	<i>SUPT16H</i>
14	21859651	C	T	<i>CHD8</i>
14	21861869	C	T	<i>CHD8</i>
14	21862289	G	A	<i>CHD8</i>
14	21961061	C	-	<i>TOX4</i>
14	21991144	C	G	<i>SALL2</i>
14	21991626	C	G	<i>SALL2</i>
14	21993359	G	A	<i>SALL2</i>
14	21993363	G	T	<i>SALL2</i>
14	21993498	G	A	<i>SALL2</i>
14	21993638	G	C	<i>SALL2</i>
14	22038125	C	T	<i>OR10G3</i>
14	22038172	C	T	<i>OR10G3</i>
14	22038562	T	C	<i>OR10G3</i>
14	22038644	T	C	<i>OR10G3</i>
14	22038659	T	C	<i>OR10G3</i>
14	22102745	C	A	<i>OR10G2</i>
14	22133463	A	G	<i>OR4E2</i>
14	22133648	G	A	<i>OR4E2</i>
14	22133997	A	G	<i>OR4E2</i>
14	22134005	C	G	<i>OR4E2</i>
14	22134018	C	T	<i>OR4E2</i>
14	22134170	G	A	<i>OR4E2</i>
14	23079840	G	A	<i>ABHD4</i>
14	23235822	G	C	<i>OXA1L</i>
14	23235885	-	A	<i>OXA1L</i>
14	23236524	C	T	<i>OXA1L</i>
14	23239694	A	C	<i>OXA1L</i>
14	23240238	G	T	<i>OXA1L</i>
14	23240713	-	AGC	<i>OXA1L</i>
14	23240744	C	T	<i>OXA1L</i>
14	23243191	G	C	<i>SLC7A7</i>
14	23282336	G	A	<i>SLC7A7</i>
14	23299135	G	T	<i>MRPL52</i>
14	23299146	T	C	<i>MRPL52</i>
14	23299286	T	C	<i>MRPL52</i>
14	23312594	G	A	<i>MMP14</i>
14	23313633	G	A	<i>MMP14</i>
14	23345133	G	A	<i>LRP10</i>
14	23355311	C	T	<i>REM2</i>

14	23371055	G	C	<i>RBM23</i>
14	23391763	T	C	<i>PRMT5</i>
14	23450548	C	G	<i>AJUBA</i>
14	23451345	G	A	<i>AJUBA</i>
14	23467664	G	A	<i>C14orf93</i>
14	23467700	T	A	<i>C14orf93</i>
14	23467755	G	A	<i>C14orf93</i>
14	23504021	G	A	<i>PSMB5</i>
14	23511579	G	A	<i>PSMB11</i>
14	23511670	C	-	<i>PSMB11</i>
14	23511778	G	A	<i>PSMB11</i>
14	23511939	C	T	<i>PSMB11</i>
14	23512041	G	A	<i>PSMB11</i>
14	23517629	C	T	<i>CDH24</i>
14	23519131	C	T	<i>CDH24</i>
14	23523440	C	T	<i>CDH24</i>
14	23524466	T	C	<i>CDH24</i>
14	23524771	C	T	<i>CDH24</i>
14	23532193	T	C	<i>ACIN1</i>
14	23532251	T	C	<i>ACIN1</i>
14	23548783	-	GAACGT	<i>ACIN1</i>
14	23548787	-	GTGAAT	<i>ACIN1</i>
14	23549285	G	A	<i>ACIN1</i>
14	23549319	A	G	<i>ACIN1</i>
14	23549379	C	G	<i>ACIN1</i>
14	23549785	T	C	<i>ACIN1</i>
14	23564437	T	C	<i>ACIN1</i>
14	23587838	G	T	<i>CEBPE</i>
14	23608641	C	T	<i>SLC7A8</i>
14	23652038	G	A	<i>SLC7A8</i>
14	23652101	C	G	<i>SLC7A8</i>
14	23739833	T	C	<i>RNF212B</i>
14	23744932	C	T	<i>HOMEZ</i>
14	23745014	G	C	<i>HOMEZ</i>
14	23745533	C	T	<i>HOMEZ</i>
14	23777374	A	G	<i>BCL2L2</i>
14	23792242	G	A	<i>PABPN1</i>
14	23821312	C	T	<i>SLC22A17</i>
14	23828146	G	C	<i>EFS</i>
14	23829369	G	T	<i>EFS</i>
14	23829961	C	T	<i>EFS</i>
14	23844901	G	A	<i>IL25</i>
14	23844979	C	T	<i>IL25</i>

14	23845076	G	A	IL25
14	23846482	C	T	CMTM5
14	23848563	G	A	CMTM5
14	23858697	C	G	MYH6
14	23861811	A	G	MYH6
14	23868065	T	G	MYH6
14	23876267	C	T	MYH6
14	23886409	G	C	MYH7
14	23939305	G	A	NGDN
14	24032660	C	A	AP1G2
14	24033027	G	A	AP1G2
14	24040430	C	T	JPH4
14	24113702	C	T	DHRS2
14	24423007	G	A	DHRS4
14	24429180	A	C	DHRS4
14	24435144	C	T	DHRS4
14	24435564	C	T	DHRS4
14	24458162	G	C	DHRS4L2
14	24464310	C	A	DHRS4L2
14	24470690	-	A	DHRS4L2
14	24517974	T	C	DHRS4L1
14	24522938	A	C	LRRC16B
14	24526449	A	G	LRRC16B
14	24533474	G	A	LRRC16B
14	24533539	C	A	LRRC16B
14	24534270	C	T	LRRC16B
14	24567498	A	C	PCK2
14	24568300	-	A	PCK2
14	24569423	G	T	PCK2
14	24572812	G	A	PCK2
14	24572932	G	A	PCK2
14	24573006	G	A	PCK2
14	24587639	G	A	DCAF11
14	24587680	G	A	DCAF11
14	24607804	G	A	PSME1
14	24608235	C	T	EMC9
14	24617068	C	T	RNF31
14	24617542	G	A	RNF31
14	24620708	G	T	RNF31
14	24641956	C	T	REC8
14	24642395	T	C	REC8
14	24646406	-	GAA	REC8
14	24653891	C	T	IPO4

14	24653954	G	A	<i>IPO4</i>
14	24655130	C	T	<i>IPO4</i>
14	24656890	G	A	<i>IPO4</i>
14	24662177	C	T	<i>TM9SF1</i>
14	24662296	T	C	<i>TM9SF1</i>
14	24675755	A	G	<i>TSSK4</i>
14	24679877	C	T	<i>CHMP4A</i>
14	24679928	G	A	<i>CHMP4A</i>
14	24681025	C	A	<i>CHMP4A</i>
14	24682767	C	T	<i>CHMP4A</i>
14	24683267	A	-	<i>MDP1</i>
14	24683304	C	A	<i>MDP1</i>
14	24684777	G	A	<i>MDP1</i>
14	24705004	G	T	<i>GMPR2</i>
14	24707845	A	G	<i>GMPR2</i>
14	24711465	C	G	<i>TINF2</i>
14	24724656	T	C	<i>TGM1</i>
14	24724663	C	T	<i>TGM1</i>
14	24731434	G	T	<i>TGM1</i>
14	24731498	T	C	<i>TGM1</i>
14	24736961	T	C	<i>RABGGTA</i>
14	24760764	G	A	<i>DHRS1</i>
14	24769222	G	C	<i>NOP9</i>
14	24769809	G	A	<i>NOP9</i>
14	24771285	G	A	<i>NOP9</i>
14	24772373	C	T	<i>NOP9</i>
14	24775579	C	T	<i>CIDEB</i>
14	24780865	A	G	<i>LTB4R2</i>
14	24785092	G	T	<i>LTB4R</i>
14	24788316	G	A	<i>ADCY4</i>
14	24798433	T	A	<i>ADCY4</i>
14	24799164	G	T	<i>ADCY4</i>
14	24805462	-	G	<i>RIPK3</i>
14	24805463	G	T	<i>RIPK3</i>
14	24806614	G	A	<i>RIPK3</i>
14	24806902	G	A	<i>RIPK3</i>
14	24838891	G	A	<i>NFATC4</i>
14	24838901	-	GGGGGTGCT	<i>NFATC4</i>
14	24838993	C	T	<i>NFATC4</i>
14	24839083	G	C	<i>NFATC4</i>
14	24839639	G	C	<i>NFATC4</i>
14	24841717	G	A	<i>NFATC4</i>
14	24843658	T	C	<i>NFATC4</i>

14	24845185	C	T	NFATC4
14	24845686	T	C	NFATC4
14	24845841	T	C	NFATC4
14	24878370	C	T	NYNRIN
14	24883887	G	A	NYNRIN
14	24883899	C	A	NYNRIN
14	24884667	A	G	NYNRIN
14	24885606	A	G	NYNRIN
14	24901249	A	C	KHNYN
14	24909458	C	T	SDR39U1
14	24909629	C	A	SDR39U1
14	24909629	C	-	SDR39U1
14	24909629	C	-	SDR39U1
14	24909630	C	A	SDR39U1
14	24910055	C	T	SDR39U1
14	24910076	A	T	SDR39U1
14	24910973	T	G	SDR39U1
14	24911449	C	G	SDR39U1
14	24911452	T	C	SDR39U1
14	24974790	G	A	CMA1
14	24975382	C	T	CMA1
14	24976574	T	C	CMA1
14	24976635	C	G	CMA1
14	25043671	T	C	CTSG
14	25076402	T	G	GZMH
14	25100282	A	G	GZMB
14	25102160	C	T	GZMB
14	30046511	T	C	PRKD1
14	31061628	A	G	G2E3
14	31099738	A	G	SCFD1
14	31099759	T	C	SCFD1
14	31164033	A	G	SCFD1
14	31355096	C	G	COCH
14	31355311	T	G	COCH
14	31355389	A	G	COCH
14	31381351	T	C	STRN3
14	31388312	C	T	STRN3
14	31539064	T	C	AP4S1
14	31583512	C	T	HECTD1
14	31590599	A	G	HECTD1
14	31763142	T	G	HEATR5A
14	31765126	T	C	HEATR5A
14	31774203	G	C	HEATR5A

14	31790886	T	G	HEATR5A
14	31792896	G	A	HEATR5A
14	31806781	C	T	HEATR5A
14	31814430	T	-	HEATR5A
14	31814431	-	TGT	HEATR5A
14	31819047	C	T	HEATR5A
14	31819145	A	G	HEATR5A
14	31856396	AAG	-	HEATR5A
14	31856407	C	T	HEATR5A
14	31858073	T	C	HEATR5A
14	31858118	C	T	HEATR5A
14	32257017	T	C	NUBPL
14	32257065	A	C	NUBPL
14	32295912	C	T	NUBPL
14	32559924	A	G	ARHGAP5
14	32623861	G	A	ARHGAP5
14	33014869	C	T	AKAP6
14	33015082	A	G	AKAP6
14	33015237	C	T	AKAP6
14	33015397	G	T	AKAP6
14	33015531	A	G	AKAP6
14	33015774	C	A	AKAP6
14	33069942	G	A	AKAP6
14	33291583	G	A	AKAP6
14	33291976	A	C	AKAP6
14	33293122	A	G	AKAP6
14	33293399	A	G	AKAP6
14	33293531	T	A	AKAP6
14	34266771	C	A	NPAS3
14	34269167	G	C	NPAS3
14	34269602	G	A	NPAS3
14	34985658	C	T	EAPP
14	34993982	G	C	EAPP
14	34998628	C	T	EAPP
14	35036971	A	G	SNX6
14	35230980	C	T	BAZ1A
14	35231108	A	T	BAZ1A
14	35231242	G	T	BAZ1A
14	35245155	G	A	BAZ1A
14	35515716	G	A	FAM177A1
14	35585829	C	T	PPP2R3C
14	35593133	G	A	KIAA0391
14	35593137	C	T	KIAA0391

14	35596805	G	C	KIAA0391
14	35777256	A	C	PSMA6
14	36005025	C	A	INSM2
14	36153177	T	C	RALGAPA1
14	36295815	G	C	BRMS1L
14	36783738	T	C	MBIP
14	36789729	T	G	MBIP
14	36789775	A	T	MBIP
14	37135753	G	C	PAX9
14	37149866	C	A	SLC25A21
14	37180615	C	T	SLC25A21
14	37283181	C	T	SLC25A21
14	38060646	C	T	FOXA1
14	38061742	C	T	FOXA1
14	38273922	T	G	TTC6
14	38273954	G	A	TTC6
14	38277999	C	T	TTC6
14	38293116	A	G	TTC6
14	38295385	GGAAAATTATT	-	TTC6
14	38296497	A	T	TTC6
14	38310794	T	C	TTC6
14	39556185	G	C	SEC23A
14	39587798	A	T	GEMIN2
14	39627533	T	C	TRAPPC6B
14	39650234	A	T	PNN
14	39650489	G	A	PNN
14	39650924	A	G	PNN
14	39716201	A	G	MIA2
14	39716424	C	T	MIA2
14	39717124	A	G	MIA2
14	39717265	A	G	MIA2
14	39722023	G	C	MIA2
14	39722412	C	T	MIA2
14	39818145	G	A	CTAGE5
14	44974922	A	T	FSCB
14	44974966	G	A	FSCB
14	44975017	C	T	FSCB
14	44975052	A	G	FSCB
14	44975089	G	C	FSCB
14	44975511	G	A	FSCB
14	44975971	G	A	FSCB
14	45403454	C	T	KLHL28
14	45403616	T	C	KLHL28

14	45403699	C	A	KLHL28
14	45433155	C	G	FAM179B
14	45478260	A	G	FAM179B
14	45481254	A	T	FAM179B
14	45496564	G	A	FAM179B
14	45512923	T	A	FAM179B
14	45521730	T	C	FAM179B
14	45566100	G	A	PRPF39
14	45571811	A	G	PRPF39
14	45579316	A	G	PRPF39
14	45605405	G	C	FANCM
14	45605463	A	G	FANCM
14	45606287	C	T	FANCM
14	45606290	C	T	FANCM
14	45606387	A	G	FANCM
14	45623953	T	C	FANCM
14	45628478	C	G	FANCM
14	45636328	A	G	FANCM
14	45642364	G	A	FANCM
14	45644589	G	T	FANCM
14	45644816	A	C	FANCM
14	45645715	A	G	FANCM
14	45650900	A	G	FANCM
14	45658326	C	T	FANCM
14	45658449	A	G	FANCM
14	45665468	C	G	FANCM
14	45665661	A	G	FANCM
14	45667921	C	T	FANCM
14	45686268	T	A	MIS18BP1
14	45693239	C	G	MIS18BP1
14	45695978	G	T	MIS18BP1
14	45696037	T	G	MIS18BP1
14	45700409	C	T	MIS18BP1
14	45711316	C	T	MIS18BP1
14	45711340	G	C	MIS18BP1
14	45711382	G	A	MIS18BP1
14	45711535	T	G	MIS18BP1
14	45711988	C	A	MIS18BP1
14	45716333	AGG	-	MIS18BP1
14	45716333	A	-	MIS18BP1
14	47351412	G	T	MDGA2
14	47426637	C	A	MDGA2
14	50074122	T	A	LRR1

14	50074502	A	G	LRR1
14	50074520	C	T	LRR1
14	50088085	G	T	MGAT2
14	50092471	T	C	DNAAF2
14	50117066	A	G	POLE2
14	50196233	A	G	KLHDC1
14	50246974	C	G	KLHDC2
14	50298962	T	A	NEMF
14	50583083	G	T	VCPKMT
14	50585317	C	A	SOS2
14	50626553	C	T	SOS2
14	50655307	C	T	SOS2
14	50655357	G	C	SOS2
14	50655380	C	G	SOS2
14	50778816	A	C	L2HGDH
14	50788213	C	T	ATP5S
14	50796881	G	C	CDKL1
14	50799045	T	C	CDKL1
14	50799126	G	C	CDKL1
14	50901768	G	A	MAP4K5
14	50910675	C	G	MAP4K5
14	50911878	G	A	MAP4K5
14	50923249	C	T	MAP4K5
14	50923254	C	T	MAP4K5
14	51196323	C	T	NIN
14	51202311	G	C	NIN
14	51206145	A	T	NIN
14	51223789	C	T	NIN
14	51224137	T	C	NIN
14	51224374	T	G	NIN
14	51224417	G	C	NIN
14	51224551	A	T	NIN
14	51224761	G	A	NIN
14	51225097	T	C	NIN
14	51348345	G	T	ABHD12B
14	51352345	G	A	ABHD12B
14	51368610	A	G	ABHD12B
14	51370807	C	T	ABHD12B
14	51370849	T	C	ABHD12B
14	51370852	C	G	ABHD12B
14	51372238	T	A	PYGL
14	51378517	C	G	PYGL
14	51378591	T	-	PYGL

14	51378885	G	A	PYGL
14	51382637	G	A	PYGL
14	51390736	T	C	PYGL
14	51446216	T	G	TRIM9
14	51721135	AGA	-	TMX1
14	52471166	A	G	C14orf166
14	52473372	T	C	NID2
14	52486783	T	C	NID2
14	52493984	T	C	NID2
14	52493997	G	A	NID2
14	52495481	C	T	NID2
14	52496387	C	A	NID2
14	52496399	T	C	NID2
14	52505546	C	T	NID2
14	52507429	A	G	NID2
14	52507491	C	A	NID2
14	52508948	G	A	NID2
14	52509033	G	A	NID2
14	52509601	C	T	NID2
14	52520341	G	A	NID2
14	52520368	C	T	NID2
14	52526891	G	A	NID2
14	52534758	C	G	NID2
14	52734696	G	A	PTGDR
14	52735290	C	G	PTGDR
14	52741597	G	A	PTGDR
14	52781513	T	G	PTGER2
14	52793949	A	G	PTGER2
14	52899128	G	A	TXNDC16
14	52923820	T	C	TXNDC16
14	52937255	C	T	TXNDC16
14	52948990	C	T	TXNDC16
14	52981647	T	G	TXNDC16
14	52981664	G	C	TXNDC16
14	53003450	C	T	TXNDC16
14	53098902	G	A	GPR137C
14	53119875	C	T	ERO1A
14	53235651	G	A	STYX
14	53331183	G	A	FERMT2
14	53348001	T	C	FERMT2
14	54417117	C	T	BMP4
14	54417522	A	G	BMP4
14	54418817	C	G	BMP4

14	54997751	C	T	CGRRF1
14	55004449	G	A	CGRRF1
14	55168914	C	G	SAMD4A
14	55169050	-	CAG	SAMD4A
14	55251159	C	T	SAMD4A
14	55369176	G	A	GCH1
14	55408294	C	T	WDHD1
14	55458040	A	G	WDHD1
14	55467701	T	C	WDHD1
14	55468812	T	A	WDHD1
14	55509919	G	A	SOCS4
14	55510334	A	G	SOCS4
14	55604902	C	A	LGALS3
14	55604935	C	A	LGALS3
14	55605036	A	C	LGALS3
14	55611839	A	T	LGALS3
14	55618524	C	G	DLGAP5
14	55636259	G	A	DLGAP5
14	55642696	A	G	DLGAP5
14	55642706	CAAAAT	-	DLGAP5
14	55643857	T	G	DLGAP5
14	55655692	C	T	DLGAP5
14	55817930	C	G	FBXO34
14	55818517	T	A	FBXO34
14	55818706	T	C	FBXO34
14	55903340	T	C	TBPL2
14	55907172	C	G	TBPL2
14	55907196	G	C	TBPL2
14	56084714	A	G	KTN1
14	56106666	A	C	KTN1
14	56117065	A	G	KTN1
14	56145134	T	C	KTN1
14	56757104	G	A	PELI2
14	57075920	G	T	TMEM260
14	57092112	G	A	TMEM260
14	57103302	G	A	TMEM260
14	57114193	T	C	TMEM260
14	57700585	T	G	EXOC5
14	57749688	T	G	AP5M1
14	57755564	G	A	AP5M1
14	57938138	G	A	C14orf105
14	57938245	A	G	C14orf105
14	57938260	T	C	C14orf105

14	57938283	C	G	C14orf105
14	57947421	G	A	C14orf105
14	57948380	T	C	C14orf105
14	58598373	G	A	C14orf37
14	58605043	G	A	C14orf37
14	58605072	C	G	C14orf37
14	58605734	T	C	C14orf37
14	58605790	G	A	C14orf37
14	58790307	C	T	ARID4A
14	58796253	A	G	ARID4A
14	58830978	A	G	ARID4A
14	58832019	G	A	ARID4A
14	58863051	G	A	TOMM20L
14	58899157	G	-	KIAA0586
14	58910784	G	A	KIAA0586
14	58917309	A	T	KIAA0586
14	58937416	T	C	KIAA0586
14	58953746	C	G	KIAA0586
14	58955364	G	A	KIAA0586
14	58955530	T	C	KIAA0586
14	59014563	G	A	KIAA0586
14	59112677	G	A	DACT1
14	59113194	T	G	DACT1
14	59113231	G	T	DACT1
14	59113314	A	G	DACT1
14	59113430	G	A	DACT1
14	59939727	T	C	L3HYPDH
14	59939804	G	A	L3HYPDH
14	59942674	C	A	L3HYPDH
14	59950803	C	T	L3HYPDH
14	59970780	A	G	JKAMP
14	60581906	A	G	PCNXL4
14	60582053	G	A	PCNXL4
14	60582726	G	A	PCNXL4
14	60585131	A	G	PCNXL4
14	60587953	A	G	PCNXL4
14	60591697	C	G	PCNXL4
14	60591887	G	A	PCNXL4
14	60592395	-	TAT	PCNXL4
14	60592491	A	G	PCNXL4
14	60616886	C	T	DHRS7
14	60903757	G	A	C14orf39
14	60921836	T	G	C14orf39

14	60923714	A	G	<i>C14orf39</i>
14	60923783	C	T	<i>C14orf39</i>
14	60950509	T	C	<i>C14orf39</i>
14	60951790	C	T	<i>C14orf39</i>
14	60976501	G	A	<i>SIX6</i>
14	61180336	C	T	<i>SIX4</i>
14	61180657	T	G	<i>SIX4</i>
14	61442354	G	A	<i>TRMT5</i>
14	61445967	A	G	<i>TRMT5</i>
14	61446147	T	A	<i>TRMT5</i>
14	61446301	TATT	-	<i>TRMT5</i>
14	61449328	T	A	<i>SLC38A6</i>
14	61550315	C	T	<i>SLC38A6</i>
14	61788875	C	T	<i>PRKCH</i>
14	61789013	A	G	<i>PRKCH</i>
14	62187212	G	C	<i>HIF1A</i>
14	62207557	C	T	<i>HIF1A</i>
14	62207575	G	A	<i>HIF1A</i>
14	62207893	G	A	<i>HIF1A</i>
14	62229285	T	G	<i>SNAPC1</i>
14	62233692	T	C	<i>SNAPC1</i>
14	62235391	AA	-	<i>SNAPC1</i>
14	62244854	C	T	<i>SNAPC1</i>
14	62249073	A	G	<i>SNAPC1</i>
14	62259562	A	-	<i>SNAPC1</i>
14	62463129	G	T	<i>SYT16</i>
14	62542051	A	G	<i>SYT16</i>
14	62547748	G	A	<i>SYT16</i>
14	63417122	T	C	<i>KCNH5</i>
14	63747800	C	G	<i>RHOJ</i>
14	64408645	A	G	<i>SYNE2</i>
14	64443395	G	T	<i>SYNE2</i>
14	64457747	C	G	<i>SYNE2</i>
14	64467305	G	A	<i>SYNE2</i>
14	64469828	C	T	<i>SYNE2</i>
14	64491695	T	C	<i>SYNE2</i>
14	64496749	C	T	<i>SYNE2</i>
14	64497930	G	A	<i>SYNE2</i>
14	64498016	G	A	<i>SYNE2</i>
14	64498017	A	G	<i>SYNE2</i>
14	64498037	G	A	<i>SYNE2</i>
14	64518321	A	G	<i>SYNE2</i>
14	64518529	A	G	<i>SYNE2</i>

14	64518634	T	G	SYNE2
14	64519035	A	G	SYNE2
14	64519455	A	G	SYNE2
14	64519709	A	T	SYNE2
14	64519861	C	T	SYNE2
14	64520020	A	G	SYNE2
14	64522674	G	C	SYNE2
14	64522843	A	G	SYNE2
14	64537498	A	C	SYNE2
14	64557734	A	C	SYNE2
14	64560091	T	C	SYNE2
14	64560092	G	A	SYNE2
14	64564680	G	A	SYNE2
14	64574288	G	A	SYNE2
14	64580075	T	C	SYNE2
14	64580122	C	T	SYNE2
14	64588825	C	A	SYNE2
14	64600800	T	A	SYNE2
14	64604592	C	G	SYNE2
14	64604595	G	A	SYNE2
14	64604650	A	G	SYNE2
14	64608748	A	G	SYNE2
14	64612858	C	A	SYNE2
14	64632114	C	A	SYNE2
14	64633984	G	A	SYNE2
14	64653146	T	C	SYNE2
14	64656917	C	A	SYNE2
14	64676751	C	T	SYNE2
14	64680990	C	T	SYNE2
14	64687258	A	T	SYNE2
14	64691206	G	A	SYNE2
14	64692152	T	G	SYNE2
14	64692153	C	A	SYNE2
14	64867522	C	T	MTHFD1
14	64882380	A	G	MTHFD1
14	64908845	G	A	MTHFD1
14	64935148	C	G	AKAP5
14	64935720	C	T	AKAP5
14	64935726	C	T	AKAP5
14	64954420	C	T	ZBTB25
14	64957164	T	C	ZBTB25
14	64988830	C	A	ZBTB1
14	64989813	G	C	ZBTB1

14	65007751	A	G	HSPA2
14	65008138	T	A	HSPA2
14	65031534	C	T	PPP1R36
14	65041262	T	C	PPP1R36
14	65053999	T	C	PPP1R36
14	65054026	C	T	PPP1R36
14	65205465	G	C	PLEKHG3
14	65209867	C	T	PLEKHG3
14	65209909	G	A	PLEKHG3
14	65210267	C	T	PLEKHG3
14	65220342	G	A	SPTB
14	65236390	A	G	SPTB
14	65237651	G	A	SPTB
14	65237750	G	A	SPTB
14	65249052	C	G	SPTB
14	65249153	T	C	SPTB
14	65249199	G	A	SPTB
14	65252552	G	A	SPTB
14	65253232	T	C	SPTB
14	65259862	C	T	SPTB
14	65262122	G	A	SPTB
14	65263300	C	T	SPTB
14	65289773	G	A	SPTB
14	65390758	G	T	CHURC1
14	65417070	C	A	RAB15
14	65417745	G	A	RAB15
14	65528008	C	T	CHURC1
14	66082793	A	C	FUT8
14	66136163	C	A	FUT8
14	66975271	C	G	GPHN
14	67147887	G	T	GPHN
14	67390981	A	G	GPHN
14	67664881	GAA	-	FAM71D
14	67671482	-	T	FAM71D
14	67671483	A	C	FAM71D
14	67671585	A	T	FAM71D
14	67671736	T	C	FAM71D
14	67759390	G	A	MPP5
14	67770294	C	T	MPP5
14	67807215	G	A	ATP6V1D
14	67862242	C	T	PLEK2
14	67862269	G	A	PLEK2
14	68024020	A	G	PLEKHH1

14	68029048	A	G	<i>PLEKHH1</i>
14	68029118	C	A	<i>PLEKHH1</i>
14	68029313	G	A	<i>PLEKHH1</i>
14	68035879	A	G	<i>PLEKHH1</i>
14	68035903	A	G	<i>PLEKHH1</i>
14	68040573	T	C	<i>PLEKHH1</i>
14	68041061	G	A	<i>PLEKHH1</i>
14	68042142	G	A	<i>PLEKHH1</i>
14	68044060	G	C	<i>PLEKHH1</i>
14	68045278	C	T	<i>PLEKHH1</i>
14	68046499	T	C	<i>PLEKHH1</i>
14	68053807	T	G	<i>PLEKHH1</i>
14	68053899	C	T	<i>PLEKHH1</i>
14	68086741	A	G	<i>ARG2</i>
14	68108963	ACA	-	<i>ARG2</i>
14	68117605	G	A	<i>ARG2</i>
14	68220861	G	A	<i>ZFYVE26</i>
14	68238847	C	T	<i>ZFYVE26</i>
14	68249499	C	T	<i>ZFYVE26</i>
14	68250147	C	T	<i>ZFYVE26</i>
14	68251934	G	A	<i>ZFYVE26</i>
14	68252852	A	T	<i>ZFYVE26</i>
14	68256184	C	G	<i>ZFYVE26</i>
14	68256245	C	T	<i>ZFYVE26</i>
14	68265135	G	A	<i>ZFYVE26</i>
14	68272021	C	A	<i>ZFYVE26</i>
14	68274324	C	T	<i>ZFYVE26</i>
14	68352648	T	G	<i>RAD51B</i>
14	68352672	A	G	<i>RAD51B</i>
14	68353784	G	T	<i>RAD51B</i>
14	68353893	A	G	<i>RAD51B</i>
14	69341653	T	A	<i>ACTN1</i>
14	69341658	G	A	<i>ACTN1</i>
14	69521637	C	T	<i>DCAF5</i>
14	69522279	C	T	<i>DCAF5</i>
14	69697203	G	C	<i>EXD2</i>
14	69697268	CTA	-	<i>EXD2</i>
14	69697289	G	A	<i>EXD2</i>
14	69704434	A	G	<i>EXD2</i>
14	69704553	G	T	<i>EXD2</i>
14	69795199	G	A	<i>GALNT16</i>
14	69813776	C	T	<i>GALNT16</i>
14	69992670	A	T	<i>PLEKHD1</i>

14	69993944	C	T	<i>PLEKHD1</i>
14	70237960	C	T	<i>SRSF5</i>
14	70418858	C	G	<i>SMOC1</i>
14	70512987	T	C	<i>SLC8A3</i>
14	70515508	C	T	<i>SLC8A3</i>
14	70515576	A	G	<i>SLC8A3</i>
14	70633411	C	T	<i>SLC8A3</i>
14	70634578	C	T	<i>SLC8A3</i>
14	70925501	G	C	<i>ADAM21</i>
14	70989947	T	C	<i>ADAM20</i>
14	70989964	T	C	<i>ADAM20</i>
14	71137844	G	T	<i>TTC9</i>
14	71201192	T	C	<i>MAP3K9</i>
14	71209128	C	T	<i>MAP3K9</i>
14	71434943	C	T	<i>PCNX</i>
14	71443674	G	A	<i>PCNX</i>
14	71444367	A	G	<i>PCNX</i>
14	71444466	C	G	<i>PCNX</i>
14	71444834	G	A	<i>PCNX</i>
14	71502824	G	T	<i>PCNX</i>
14	71575584	G	A	<i>PCNX</i>
14	72054708	G	A	<i>SIPA1L1</i>
14	72054755	C	A	<i>SIPA1L1</i>
14	72055745	A	T	<i>SIPA1L1</i>
14	72169130	T	C	<i>SIPA1L1</i>
14	72976936	G	A	<i>RGS6</i>
14	73404752	G	C	<i>DCAF4</i>
14	73404770	T	C	<i>DCAF4</i>
14	73406582	T	G	<i>DCAF4</i>
14	73409719	G	A	<i>DCAF4</i>
14	73412626	A	C	<i>DCAF4</i>
14	73412635	A	C	<i>DCAF4</i>
14	73421159	A	G	<i>DCAF4</i>
14	73421186	C	T	<i>DCAF4</i>
14	73464720	C	T	<i>ZFYVE1</i>
14	73490859	C	T	<i>ZFYVE1</i>
14	73491173	C	A	<i>ZFYVE1</i>
14	73673178	A	G	<i>PSEN1</i>
14	73711394	A	G	<i>PAPLN</i>
14	73716717	C	-	<i>PAPLN</i>
14	73717720	G	A	<i>PAPLN</i>
14	73718474	G	T	<i>PAPLN</i>
14	73719455	A	C	<i>PAPLN</i>

14	73719484	G	A	PAPLN
14	73720604	C	A	PAPLN
14	73726151	A	G	PAPLN
14	73727926	G	C	PAPLN
14	73729102	G	A	PAPLN
14	73729153	C	T	PAPLN
14	73731294	AG	-	PAPLN
14	73733285	G	A	PAPLN
14	73735342	G	A	PAPLN
14	73735366	C	T	PAPLN
14	73739361	A	T	PAPLN
14	73743458	C	T	NUMB
14	73746070	C	T	NUMB
14	73961982	C	T	HEATR4
14	73962030	A	G	HEATR4
14	73973254	C	T	HEATR4
14	73989145	G	A	HEATR4
14	73989369	G	T	HEATR4
14	74060487	G	C	ACOT4
14	74060508	C	A	ACOT4
14	74060511	-	TCAA	ACOT4
14	74060514	CTTA	-	ACOT4
14	74086074	A	G	ACOT6
14	74086415	G	A	ACOT6
14	74156101	C	G	DNAL1
14	74188164	T	C	ELMSAN1
14	74203789	G	A	ELMSAN1
14	74203976	G	A	ELMSAN1
14	74205345	C	T	ELMSAN1
14	74345884	T	C	PTGR2
14	74400973	C	-	FAM161B
14	74401030	G	A	FAM161B
14	74404756	T	C	FAM161B
14	74416698	C	G	FAM161B
14	74422545	A	G	COQ6
14	74427993	A	G	COQ6
14	74428000	A	T	COQ6
14	74428445	G	A	COQ6
14	74433689	G	A	ENTPD5
14	74442714	G	A	ENTPD5
14	74489735	G	A	BBOF1
14	74489766	G	T	BBOF1
14	74489782	A	C	BBOF1

14	74489815	C	A	BBOF1
14	74514674	A	T	BBOF1
14	74523869	A	G	BBOF1
14	74535660	G	A	ALDH6A1
14	74727407	G	A	VSX2
14	74753420	C	T	ABCD4
14	74759059	G	C	ABCD4
14	74759477	C	T	ABCD4
14	74759920	G	A	ABCD4
14	74823701	G	A	VRTN
14	74824411	A	G	VRTN
14	74825014	C	G	VRTN
14	74947404	C	T	NPC2
14	74953134	C	T	NPC2
14	74970041	A	G	LTBP2
14	74970695	C	T	LTBP2
14	74976452	C	T	LTBP2
14	74978010	G	C	LTBP2
14	74988734	C	T	LTBP2
14	75002697	G	A	LTBP2
14	75017900	C	A	LTBP2
14	75022271	G	T	LTBP2
14	75139613	C	T	AREL1
14	75150125	G	C	AREL1
14	75151252	C	T	AREL1
14	75230278	A	C	YLPM1
14	75248652	C	G	YLPM1
14	75276176	G	C	YLPM1
14	75277056	C	T	YLPM1
14	75329318	T	C	PROX2
14	75329856	T	C	PROX2
14	75330306	A	G	PROX2
14	75360066	C	T	DLST
14	75376687	C	T	RPS6KL1
14	75386576	G	A	RPS6KL1
14	75388183	C	T	RPS6KL1
14	75470349	C	T	EIF2B2
14	75509146	G	T	MLH3
14	75513448	C	T	MLH3
14	75513463	A	G	MLH3
14	75513826	T	C	MLH3
14	75513828	G	A	MLH3
14	75514138	C	A	MLH3

14	75514489	C	G	MLH3
14	75515101	C	T	MLH3
14	75515646	T	G	MLH3
14	75515668	T	G	MLH3
14	75530246	C	T	ACYP1
14	75537349	C	G	ZC2HC1C
14	75538217	G	T	ZC2HC1C
14	75538258	-	G	ZC2HC1C
14	75538261	G	A	ZC2HC1C
14	75551321	T	G	NEK9
14	75574087	C	T	NEK9
14	75580048	C	T	NEK9
14	75746805	A	G	FOS
14	75747512	G	C	FOS
14	75989077	C	G	BATF
14	76156609	C	T	TLL5
14	76173384	G	C	TLL5
14	76173980	G	A	TLL5
14	76211483	G	A	TLL5
14	76249759	A	G	TLL5
14	76249778	G	A	TLL5
14	76249837	A	T	TLL5
14	76368544	T	C	TLL5
14	76446944	G	A	TGFB3
14	76452145	G	C	IFT43
14	76543004	G	A	IFT43
14	76620980	A	G	GPATCH2L
14	76964736	G	A	ESRRB
14	76966275	T	C	ESRRB
14	76966318	C	T	ESRRB
14	77269788	A	C	ANGEL1
14	77272992	C	G	ANGEL1
14	77275630	C	A	ANGEL1
14	77275969	G	A	ANGEL1
14	77275980	A	G	ANGEL1
14	77294729	C	T	LRRC74A
14	77297641	A	G	LRRC74A
14	77297656	G	A	LRRC74A
14	77332408	T	C	LRRC74A
14	77333759	A	G	LRRC74A
14	77491933	T	A	IRF2BPL
14	77576271	G	A	CIPC
14	77580068	A	G	CIPC

14	77685241	G	A	<i>TMEM63C</i>
14	77705950	C	T	<i>TMEM63C</i>
14	77706888	G	A	<i>TMEM63C</i>
14	77732923	C	T	<i>NGB</i>
14	77786793	C	G	<i>POMT2</i>
14	77793207	G	A	<i>GSTZ1</i>
14	77793237	G	A	<i>GSTZ1</i>
14	77794283	T	C	<i>GSTZ1</i>
14	77810133	C	T	<i>TMED8</i>
14	77843814	T	C	<i>SAMD15</i>
14	77844681	G	A	<i>SAMD15</i>
14	77844869	A	G	<i>SAMD15</i>
14	77845121	A	G	<i>SAMD15</i>
14	77845275	GT	-	<i>SAMD15</i>
14	77845379	T	A	<i>SAMD15</i>
14	77873878	C	T	<i>NOXRED1</i>
14	77919702	C	T	<i>VIPAS39</i>
14	77929028	T	C	<i>AHSA1</i>
14	77944624	T	C	<i>ISM2</i>
14	77944649	G	A	<i>ISM2</i>
14	77951117	G	C	<i>ISM2</i>
14	77951124	C	T	<i>ISM2</i>
14	77978652	G	A	<i>SPTLC2</i>
14	78140355	T	A	<i>ALKBH1</i>
14	78161131	C	T	<i>ALKBH1</i>
14	78353477	C	T	<i>ADCK1</i>
14	78392182	A	G	<i>ADCK1</i>
14	78399664	G	A	<i>ADCK1</i>
14	80971261	C	T	<i>CEP128</i>
14	81227808	G	C	<i>CEP128</i>
14	81251255	T	C	<i>CEP128</i>
14	81259336	T	C	<i>CEP128</i>
14	81297635	A	G	<i>CEP128</i>
14	81382845	C	A	<i>CEP128</i>
14	81422130	G	C	<i>TSHR</i>
14	81422178	C	A	<i>TSHR</i>
14	81610563	G	T	<i>TSHR</i>
14	81610583	G	C	<i>TSHR</i>
14	81737076	A	C	<i>STON2</i>
14	81743565	T	C	<i>STON2</i>
14	81743617	C	T	<i>STON2</i>
14	81743718	C	T	<i>STON2</i>
14	81744076	C	T	<i>STON2</i>

14	81837403	G	A	STON2
14	81945991	C	T	SEL1L
14	81950631	G	A	SEL1L
14	81952737	C	T	SEL1L
14	81969168	A	G	SEL1L
14	81972441	T	C	SEL1L
14	86088177	C	A	FLRT2
14	86089161	A	T	FLRT2
14	86089315	G	A	FLRT2
14	88401213	T	C	GALC
14	88407888	A	G	GALC
14	88442712	C	T	GALC
14	88450770	G	A	GALC
14	88452941	T	C	GALC
14	88459448	C	G	GALC
14	88459468	G	C	GALC
14	88651919	C	T	KCNK10
14	88651962	C	T	KCNK10
14	88658675	G	A	KCNK10
14	88852166	G	A	SPATA7
14	88935351	G	A	PTPN21
14	88938652	A	G	PTPN21
14	88945407	C	G	PTPN21
14	88946622	G	A	PTPN21
14	88971715	G	A	PTPN21
14	89063102	C	T	ZC3H14
14	89068345	G	A	ZC3H14
14	89100821	T	A	EML5
14	89205265	T	C	EML5
14	89206861	G	A	EML5
14	89212552	T	C	EML5
14	89307227	A	G	TTC8
14	89338702	A	G	TTC8
14	89629086	CCCTCGCTG	-	FOXN3
14	89629090	C	-	FOXN3
14	89656772	C	T	FOXN3
14	90429858	G	A	TDP1
14	90528797	G	A	KCNK13
14	90650514	C	T	KCNK13
14	90651033	G	A	KCNK13
14	90651111	G	A	KCNK13
14	90745422	T	C	NRDE2
14	90752754	G	A	NRDE2

14	90755225	C	G	NRDE2
14	90756609	T	G	NRDE2
14	90756862	C	G	NRDE2
14	90767609	C	T	NRDE2
14	90770476	T	A	NRDE2
14	90784358	G	A	NRDE2
14	90784433	C	T	NRDE2
14	91044536	G	T	TTC7B
14	91639672	C	T	C14orf159
14	91655448	G	A	C14orf159
14	91655458	T	G	C14orf159
14	91671115	C	T	C14orf159
14	91671124	G	A	C14orf159
14	91671139	G	A	C14orf159
14	91671163	A	G	C14orf159
14	91739030	G	A	CCDC88C
14	91739108	C	G	CCDC88C
14	91739129	C	G	CCDC88C
14	91739150	G	A	CCDC88C
14	91739805	C	T	CCDC88C
14	91747827	A	G	CCDC88C
14	91755506	C	T	CCDC88C
14	91755563	C	T	CCDC88C
14	91755625	G	A	CCDC88C
14	91763720	G	A	CCDC88C
14	91772264	C	A	CCDC88C
14	91773494	G	A	CCDC88C
14	92159558	A	G	CATSPERB
14	92253952	T	G	TC2N
14	92403294	C	T	FBLN5
14	92403402	C	T	FBLN5
14	92439151	G	T	TRIP11
14	92441066	C	T	TRIP11
14	92442496	C	A	TRIP11
14	92460176	C	G	TRIP11
14	92460227	C	T	TRIP11
14	92465749	C	T	TRIP11
14	92470716	T	G	TRIP11
14	92472186	C	T	TRIP11
14	92472218	T	C	TRIP11
14	92472416	G	C	TRIP11
14	92477364	A	G	TRIP11
14	92488106	C	A	TRIP11

14	92548785	C	T	ATXN3
14	92908512	T	C	SLC24A4
14	92920262	A	G	SLC24A4
14	92922782	G	A	SLC24A4
14	92958522	A	C	SLC24A4
14	92959940	G	A	SLC24A4
14	93118038	A	G	RIN3
14	93118668	C	T	RIN3
14	93119232	G	C	RIN3
14	93142861	T	C	RIN3
14	93171033	T	C	LGMN
14	93199080	C	T	LGMN
14	93263982	C	G	GOLGA5
14	93275714	G	A	GOLGA5
14	93276654	T	C	GOLGA5
14	93399050	G	A	CHGA
14	93399101	C	T	CHGA
14	93649793	C	G	MOAP1
14	93649990	C	T	MOAP1
14	93649999	C	T	MOAP1
14	93650410	C	T	MOAP1
14	93652787	C	T	TMEM251
14	93673655	G	A	UBR7
14	93708759	A	C	BTBD7
14	93712337	G	C	BTBD7
14	93963563	C	G	UNC79
14	94088369	T	C	UNC79
14	94088587	G	A	UNC79
14	94109922	A	G	UNC79
14	94391699	G	A	FAM181A
14	94394792	G	A	FAM181A
14	94394818	G	T	FAM181A
14	94394911	G	A	FAM181A
14	94401102	C	T	ASB2
14	94417531	T	C	ASB2
14	94503808	G	A	OTUB2
14	94526529	G	C	DDX24
14	94526552	C	T	DDX24
14	94545709	G	A	DDX24
14	94546047	G	C	DDX24
14	94731284	C	T	PPP4R4
14	94754804	C	T	SERPINA10
14	94756344	C	T	SERPINA10

14	94756450	T	A	<i>SERPINA10</i>
14	94756669	G	A	<i>SERPINA10</i>
14	94756750	T	C	<i>SERPINA10</i>
14	94756794	T	C	<i>SERPINA10</i>
14	94776221	A	C	<i>SERPINA6</i>
14	94780642	A	T	<i>SERPINA6</i>
14	94844843	T	G	<i>SERPINA1</i>
14	94847415	A	G	<i>SERPINA1</i>
14	94849201	C	T	<i>SERPINA1</i>
14	94908995	G	C	<i>SERPINA11</i>
14	94912896	T	G	<i>SERPINA11</i>
14	94914667	G	A	<i>SERPINA11</i>
14	94931042	A	G	<i>SERPINA9</i>
14	94931052	C	T	<i>SERPINA9</i>
14	94931105	A	G	<i>SERPINA9</i>
14	94933640	A	T	<i>SERPINA9</i>
14	94933695	G	A	<i>SERPINA9</i>
14	94935628	G	A	<i>SERPINA9</i>
14	94935807	G	A	<i>SERPINA9</i>
14	94935985	T	C	<i>SERPINA9</i>
14	94942578	C	T	<i>SERPINA9</i>
14	94956030	C	T	<i>SERPINA12</i>
14	94962897	T	C	<i>SERPINA12</i>
14	95033435	T	C	<i>SERPINA4</i>
14	95053863	C	T	<i>SERPINA5</i>
14	95053890	G	A	<i>SERPINA5</i>
14	95054012	A	G	<i>SERPINA5</i>
14	95056440	G	C	<i>SERPINA5</i>
14	95057127	C	T	<i>SERPINA5</i>
14	95085642	C	G	<i>SERPINA3</i>
14	95562366	A	C	<i>DICER1</i>
14	95562995	TCC	-	<i>DICER1</i>
14	95599737	G	A	<i>DICER1</i>
14	95599776	T	C	<i>DICER1</i>
14	95660243	T	C	<i>CLMN</i>
14	95669374	T	G	<i>CLMN</i>
14	95675791	C	T	<i>CLMN</i>
14	95884225	C	A	<i>SYNE3</i>
14	95899694	C	T	<i>SYNE3</i>
14	95903308	AGA	-	<i>SYNE3</i>
14	95906095	C	A	<i>SYNE3</i>
14	95906321	G	A	<i>SYNE3</i>
14	95910923	G	T	<i>SYNE3</i>

14	95912388	G	A	SYNE3
14	95934175	C	A	SYNE3
14	96703484	C	T	BDKRB2
14	96707675	A	G	BDKRB2
14	96730590	C	G	BDKRB1
14	96730863	C	T	BDKRB1
14	96752219	G	A	ATG2B
14	96756058	G	C	ATG2B
14	96771959	A	G	ATG2B
14	96772059	T	A	ATG2B
14	96773164	A	G	ATG2B
14	96777536	A	G	ATG2B
14	96781513	G	A	ATG2B
14	96784164	G	A	ATG2B
14	96797867	G	C	ATG2B
14	96798840	C	T	ATG2B
14	96871104	G	A	AK7
14	96917887	A	G	AK7
14	96922752	C	G	AK7
14	96953278	T	C	AK7
14	97322892	G	T	VRK1
14	99182626	T	C	C14orf177
14	99982586	T	C	CCDC85C
14	100135215	G	A	HHIPL1
14	100380948	T	C	EML1
14	100615586	C	T	DEGS2
14	100615691	G	T	DEGS2
14	100615961	C	T	DEGS2
14	100759090	G	A	SLC25A29
14	100795139	G	T	SLC25A47
14	100795821	C	T	SLC25A47
14	100835498	G	C	WARS
14	100847320	C	T	WDR25
14	100847437	A	G	WDR25
14	100847461	A	C	WDR25
14	100847523	T	C	WDR25
14	100847617	C	T	WDR25
14	100847658	C	T	WDR25
14	100847707	A	G	WDR25
14	100847878	G	A	WDR25
14	101005435	G	T	BEGAIN
14	101195335	A	G	DLK1
14	101200860	G	A	DLK1

14	101347482	C	T	RTL1
14	101348572	C	T	RTL1
14	101348584	C	G	RTL1
14	101349454	G	T	RTL1
14	101349510	G	A	RTL1
14	101350342	G	T	RTL1
14	101350670	-	TCT	RTL1
14	101351011	T	G	RTL1
14	102474668	G	A	DYNC1H1
14	102506647	C	T	DYNC1H1
14	102508056	C	A	DYNC1H1
14	102675837	G	T	WDR20
14	102695693	T	C	MOK
14	102700028	T	C	MOK
14	102717236	C	T	MOK
14	102729881	A	G	MOK
14	102729886	G	A	MOK
14	102729910	C	T	MOK
14	102792386	T	C	ZNF839
14	102792631	G	A	ZNF839
14	102792853	G	A	ZNF839
14	102798055	G	A	ZNF839
14	102808273	C	A	ZNF839
14	102815042	C	T	CINP
14	102825773	G	C	CINP
14	102898204	G	A	TECPR2
14	102898363	C	T	TECPR2
14	102901201	A	G	TECPR2
14	102916165	C	T	TECPR2
14	103342015	C	T	TRAF3
14	103342049	T	C	TRAF3
14	103396004	T	C	AMN
14	103396060	A	G	AMN
14	103406051	C	G	CDC42BPB
14	103566774	C	T	EXOC3L4
14	103566785	C	T	EXOC3L4
14	103568488	G	A	EXOC3L4
14	103568614	T	A	EXOC3L4
14	103573866	C	T	EXOC3L4
14	103574815	G	A	EXOC3L4
14	103576444	C	G	EXOC3L4
14	103592967	G	C	TNFAIP2
14	103804766	CAC	-	EIF5

14	103804768	-	CAC	EIF5
14	103932417	G	C	MARK3
14	103934488	T	C	MARK3
14	103969253	A	C	MARK3
14	103969503	C	T	MARK3
14	104166994	C	T	KLC1
14	104206781	C	T	PPP1R13B
14	104220530	T	C	PPP1R13B
14	104381502	T	C	C14orf2
14	104433097	A	G	TDRD9
14	104441786	G	C	TDRD9
14	104472756	G	A	TDRD9
14	104482367	C	T	TDRD9
14	104488633	C	G	TDRD9
14	104493079	T	C	TDRD9
14	104500301	G	A	TDRD9
14	104506642	G	T	TDRD9
14	104559833	C	A	ASPG
14	104559919	T	C	ASPG
14	104559922	C	G	ASPG
14	104565205	C	T	ASPG
14	104571054	C	G	ASPG
14	104618742	C	G	KIF26A
14	104639536	C	T	KIF26A
14	104641986	C	G	KIF26A
14	104642489	G	T	KIF26A
14	104643627	G	A	KIF26A
14	104646027	G	A	KIF26A
14	105173748	A	G	INF2
14	105174186	C	T	INF2
14	105179184	G	A	INF2
14	105180633	G	A	INF2
14	105180785	C	T	INF2
14	105222988	G	A	SIVA1
14	105267925	G	A	ZBTB42
14	105267934	G	A	ZBTB42
14	105349687	C	T	CEP170B
14	105350222	C	T	CEP170B
14	105350815	G	A	CEP170B
14	105353767	A	C	CEP170B
14	105354220	G	A	CEP170B
14	105398143	C	T	PLD4
14	105398392	G	A	PLD4

14	105405287	C	T	AHNAK2
14	105405599	G	C	AHNAK2
14	105406372	C	T	AHNAK2
14	105407209	A	T	AHNAK2
14	105407770	T	A	AHNAK2
14	105407798	T	C	AHNAK2
14	105413204	G	T	AHNAK2
14	105413207	T	G	AHNAK2
14	105413243	A	G	AHNAK2
14	105413248	C	A	AHNAK2
14	105420134	C	T	AHNAK2
14	105420215	T	C	AHNAK2
14	105420590	C	T	AHNAK2
14	105421900	G	C	AHNAK2
14	105452956	C	G	C14orf79
14	105457923	T	A	C14orf79
14	105461050	C	T	C14orf79
14	105477990	C	T	CDCA4
14	105517675	C	T	GPR132
14	105609229	C	T	JAG2
14	105615389	C	T	JAG2
14	105615648	C	T	JAG2
14	105617042	C	T	JAG2
14	105642983	C	T	NUDT14
14	105643046	C	T	NUDT14
14	105644058	C	G	NUDT14
14	105716854	G	A	BTBD6
14	105752675	C	T	BRF1
14	105833623	C	T	PACS2
14	105858022	C	T	PACS2
14	105860980	A	G	PACS2
14	105930406	G	A	MTA1
14	105935824	G	A	MTA1
14	105954687	G	T	CRIP1
14	105954705	C	T	CRIP1
14	105958536	A	G	C14orf80
14	105965102	G	A	C14orf80
14	105965215	C	T	C14orf80
15	22368588	A	G	OR4M2
15	22368957	C	T	OR4M2
15	22845832	G	T	TUBGCP5
15	22845849	A	G	TUBGCP5
15	22846897	G	A	TUBGCP5

15	22850913	C	T	<i>TUBGCP5</i>
15	22862978	G	A	<i>TUBGCP5</i>
15	22956213	G	A	<i>CYFIP1</i>
15	22956229	C	T	<i>CYFIP1</i>
15	22963869	A	G	<i>CYFIP1</i>
15	22969232	G	A	<i>CYFIP1</i>
15	22990087	G	A	<i>CYFIP1</i>
15	23014502	C	T	<i>NIPA2</i>
15	23889739	G	T	<i>MAGEL2</i>
15	23889873	G	C	<i>MAGEL2</i>
15	23890609	C	G	<i>MAGEL2</i>
15	24921150	C	T	<i>NPAP1</i>
15	24921649	T	C	<i>NPAP1</i>
15	24921771	G	C	<i>NPAP1</i>
15	24922230	C	G	<i>NPAP1</i>
15	24922743	A	G	<i>NPAP1</i>
15	24923799	A	C	<i>NPAP1</i>
15	24924042	G	A	<i>NPAP1</i>
15	24924120	C	T	<i>NPAP1</i>
15	24924316	G	A	<i>NPAP1</i>
15	25616729	C	T	<i>UBE3A</i>
15	25924909	G	A	<i>ATP10A</i>
15	25925094	C	G	<i>ATP10A</i>
15	25926152	T	C	<i>ATP10A</i>
15	25926179	C	T	<i>ATP10A</i>
15	25926198	C	G	<i>ATP10A</i>
15	25940058	C	T	<i>ATP10A</i>
15	25940169	G	A	<i>ATP10A</i>
15	25953198	C	T	<i>ATP10A</i>
15	25953442	C	T	<i>ATP10A</i>
15	25969090	G	T	<i>ATP10A</i>
15	26026249	C	T	<i>ATP10A</i>
15	26107946	C	G	<i>ATP10A</i>
15	27018841	G	A	<i>GABRB3</i>
15	27193195	T	G	<i>GABRA5</i>
15	27222234	G	A	<i>GABRG3</i>
15	27772767	A	G	<i>GABRG3</i>
15	28096573	C	T	<i>OCA2</i>
15	28116379	A	G	<i>OCA2</i>
15	28228553	C	T	<i>OCA2</i>
15	28230247	C	T	<i>OCA2</i>
15	28230318	C	T	<i>OCA2</i>
15	28260053	G	A	<i>OCA2</i>

15	28263554	G	A	OCA2
15	28263599	C	T	OCA2
15	28326915	G	A	OCA2
15	28358819	T	C	HERC2
15	28389918	G	A	HERC2
15	28391422	C	T	HERC2
15	28517429	G	A	HERC2
15	28517432	A	C	HERC2
15	29346497	C	T	APBA2
15	29393886	A	G	APBA2
15	29418520	C	T	FAM189A1
15	29418574	T	C	FAM189A1
15	29421054	C	T	FAM189A1
15	29421059	A	C	FAM189A1
15	29443999	C	T	FAM189A1
15	29561840	T	C	NSMCE3
15	29561866	G	A	NSMCE3
15	29561868	C	G	NSMCE3
15	29561869	T	G	NSMCE3
15	30008977	T	G	TJP1
15	30010841	C	A	TJP1
15	30011099	G	A	TJP1
15	30018627	T	C	TJP1
15	30026582	T	C	TJP1
15	30112768	T	C	TJP1
15	31197015	T	G	FAN1
15	31197300	G	A	FAN1
15	31197564	G	A	FAN1
15	31197584	G	A	FAN1
15	31197995	C	T	FAN1
15	31202961	G	A	FAN1
15	31221493	C	T	FAN1
15	31234064	C	T	MTMR10
15	31246972	C	T	MTMR10
15	31260201	T	C	MTMR10
15	31283667	G	A	MTMR10
15	31294159	C	T	TRPM1
15	31294343	A	T	TRPM1
15	31294573	G	A	TRPM1
15	31294654	C	T	TRPM1
15	31294702	G	T	TRPM1
15	31294996	C	T	TRPM1
15	31295151	T	G	TRPM1

15	31318422	C	G	TRPM1
15	31332488	C	G	TRPM1
15	31334362	C	T	TRPM1
15	31352749	G	T	TRPM1
15	31359333	C	T	TRPM1
15	31359348	G	A	TRPM1
15	31362352	C	T	TRPM1
15	31369123	A	G	TRPM1
15	31776837	C	G	OTUD7A
15	32925302	G	A	ARHGAP11A
15	32928132	A	G	ARHGAP11A
15	32929624	A	G	ARHGAP11A
15	33022994	C	G	GREM1
15	33091103	CTT	-	FMN1
15	33260973	C	T	FMN1
15	33261341	A	G	FMN1
15	33359208	T	C	FMN1
15	33359370	C	T	FMN1
15	33359574	C	A	FMN1
15	33359934	T	C	FMN1
15	33359950	C	G	FMN1
15	33359976	G	T	FMN1
15	33603263	A	G	RYR3
15	33873751	G	A	RYR3
15	33893671	G	A	RYR3
15	33916136	G	A	RYR3
15	33922154	A	G	RYR3
15	33954652	C	T	RYR3
15	33954764	A	G	RYR3
15	33999253	A	C	RYR3
15	34014994	G	A	RYR3
15	34032188	C	G	RYR3
15	34064302	A	G	RYR3
15	34064356	C	A	RYR3
15	34072528	C	G	RYR3
15	34077949	G	A	RYR3
15	34113729	A	G	RYR3
15	34130020	G	A	RYR3
15	34134154	G	A	RYR3
15	34137080	AGA	-	RYR3
15	34159941	T	G	AVEN
15	34159962	C	A	AVEN
15	34159969	C	A	AVEN

15	34159986	T	C	AVEN
15	34168130	T	A	AVEN
15	34355864	G	A	CHRM5
15	34356201	A	C	CHRM5
15	34380331	T	A	EMC7
15	34388147	G	A	EMC7
15	34395667	G	A	PGBD4
15	34520687	T	C	EMC4
15	34543180	C	G	SLC12A6
15	34610786	G	A	SLC12A6
15	34635241	C	G	NOP10
15	34638198	A	G	NUTM1
15	34640218	C	T	NUTM1
15	34643024	T	C	NUTM1
15	34646755	C	T	NUTM1
15	34646769	G	A	NUTM1
15	34647812	C	T	NUTM1
15	34647875	T	G	NUTM1
15	34647972	C	T	NUTM1
15	34648647	T	A	NUTM1
15	34648736	C	T	NUTM1
15	34648935	G	T	NUTM1
15	34649211	C	A	NUTM1
15	34649247	C	G	NUTM1
15	34649631	G	A	NUTM1
15	35149108	G	A	AQR
15	35176841	T	C	AQR
15	35665765	G	C	DPH6
15	35830651	C	T	DPH6
15	35834667	G	C	DPH6
15	36937461	C	T	C15orf41
15	36946303	C	G	C15orf41
15	37184546	T	C	MEIS2
15	38228620	G	T	TMCO5A
15	38545416	C	A	SPRED1
15	38746364	T	A	FAM98B
15	38746370	G	A	FAM98B
15	38988815	C	G	C15orf53
15	39544512	C	T	C15orf54
15	39909953	G	A	FSIP1
15	39910052	C	G	FSIP1
15	39910404	G	A	FSIP1
15	40005772	C	T	FSIP1

15	40018807	-	A	FSIP1
15	40259848	A	C	EIF2AK4
15	40265799	A	G	EIF2AK4
15	40308859	G	T	EIF2AK4
15	40477831	G	A	BUB1B
15	40492521	C	T	BUB1B
15	40498503	T	C	BUB1B
15	40512901	A	C	BUB1B
15	40544617	G	A	C15orf56
15	40557027	C	T	BUB1B
15	40558482	A	G	BUB1B
15	40558623	G	A	BUB1B
15	40564441	G	A	BUB1B
15	40564566	C	T	BUB1B
15	40564576	C	T	BUB1B
15	40564693	C	T	BUB1B
15	40581543	T	C	PLCB2
15	40584641	T	C	PLCB2
15	40589742	C	T	PLCB2
15	40594346	G	A	PLCB2
15	40628857	C	T	C15orf52
15	40629995	G	T	C15orf52
15	40629995	G	A	C15orf52
15	40655980	C	T	DISP2
15	40656047	G	A	DISP2
15	40659437	A	T	DISP2
15	40659476	G	A	DISP2
15	40659713	C	T	DISP2
15	40659871	G	A	DISP2
15	40661272	C	G	DISP2
15	40675155	C	A	KNSTRN
15	40675176	C	A	KNSTRN
15	40675443	G	T	KNSTRN
15	40683702	A	G	KNSTRN
15	40685406	A	T	KNSTRN
15	40699856	A	T	IVD
15	40702940	A	G	IVD
15	40707653	C	T	IVD
15	40750740	A	G	BAHD1
15	40751555	C	A	BAHD1
15	40856989	C	T	C15orf57
15	40898604	C	T	CASC5
15	40898643	G	C	CASC5

15	40913840	G	T	CASC5
15	40914831	C	G	CASC5
15	40915190	A	G	CASC5
15	40916237	A	G	CASC5
15	40916801	A	G	CASC5
15	40920815	G	A	CASC5
15	41046883	C	A	RMDN3
15	41066008	G	C	DNAJC17
15	41066625	C	G	DNAJC17
15	41068771	T	G	DNAJC17
15	41099819	C	T	ZFYVE19
15	41099843	G	C	ZFYVE19
15	41099899	-	GGGGC	ZFYVE19
15	41102150	C	T	ZFYVE19
15	41102166	C	T	ZFYVE19
15	41105926	T	G	ZFYVE19
15	41105942	G	A	ZFYVE19
15	41105992	C	T	ZFYVE19
15	41136885	C	T	SPINT1
15	41148177	G	A	SPINT1
15	41148251	G	A	SPINT1
15	41191163	G	A	VPS18
15	41192839	G	A	VPS18
15	41194872	G	A	VPS18
15	41195357	C	T	VPS18
15	41226833	G	A	DLL4
15	41229049	C	G	DLL4
15	41245731	G	A	CHAC1
15	41245732	C	T	CHAC1
15	41247629	A	G	CHAC1
15	41247859	A	T	CHAC1
15	41277615	C	T	INO80
15	41308365	A	C	INO80
15	41339697	T	C	INO80
15	41364208	G	A	INO80
15	41476209	T	C	EXD1
15	41625168	T	A	NUSAP1
15	41634587	A	G	NUSAP1
15	41634588	C	A	NUSAP1
15	41679685	G	C	NDUFAP1
15	41687108	C	T	NDUFAP1
15	41688890	A	G	NDUFAP1
15	41689166	C	A	NDUFAP1

15	41689232	C	T	<i>NDUFAF1</i>
15	41793728	A	G	<i>ITPKA</i>
15	41796352	C	A	<i>LTK</i>
15	41797058	C	T	<i>LTK</i>
15	41798124	C	T	<i>LTK</i>
15	41798142	C	T	<i>LTK</i>
15	41805237	C	T	<i>LTK</i>
15	41815516	G	C	<i>RPAP1</i>
15	41817312	C	T	<i>RPAP1</i>
15	41819367	T	C	<i>RPAP1</i>
15	41819466	G	A	<i>RPAP1</i>
15	41819716	C	T	<i>RPAP1</i>
15	41820200	C	T	<i>RPAP1</i>
15	41822163	C	T	<i>RPAP1</i>
15	41827757	T	A	<i>RPAP1</i>
15	41829267	A	C	<i>RPAP1</i>
15	41853508	-	CCTGAA	<i>TYRO3</i>
15	41853508	-	CCTGAAGTCA	<i>TYRO3</i>
15	41862538	-	TGGACAGCTTC	<i>TYRO3</i>
15	41862897	-	GAGA	<i>TYRO3</i>
15	41862899	T	-	<i>TYRO3</i>
15	41863316	-	CTGACATCATT	<i>TYRO3</i>
15	41866015	-	ATGATCTCATG	<i>TYRO3</i>
15	41962080	C	G	<i>MGA</i>
15	41988834	A	T	<i>MGA</i>
15	41989025	C	T	<i>MGA</i>
15	41989091	C	A	<i>MGA</i>
15	41991315	A	T	<i>MGA</i>
15	42003317	A	G	<i>MGA</i>
15	42021512	T	C	<i>MGA</i>
15	42028820	A	G	<i>MGA</i>
15	42041723	A	G	<i>MGA</i>
15	42058553	G	C	<i>MGA</i>
15	42058958	A	C	<i>MGA</i>
15	42059342	T	C	<i>MGA</i>
15	42104305	G	A	<i>MAPKBP1</i>
15	42105918	C	G	<i>MAPKBP1</i>
15	42111514	G	A	<i>MAPKBP1</i>
15	42111846	C	T	<i>MAPKBP1</i>
15	42115747	G	C	<i>MAPKBP1</i>
15	42116733	G	A	<i>MAPKBP1</i>
15	42120342	A	G	<i>JMJD7</i>
15	42129055	G	A	<i>JMJD7</i>

15	42134097	C	T	JMJD7
15	42134416	C	T	JMJD7
15	42134452	G	T	JMJD7
15	42136771	G	A	JMJD7
15	42142100	G	A	SPTBN5
15	42143118	T	C	SPTBN5
15	42143533	T	G	SPTBN5
15	42144480	A	C	SPTBN5
15	42145083	A	G	SPTBN5
15	42145506	G	A	SPTBN5
15	42145586	G	A	SPTBN5
15	42145593	C	T	SPTBN5
15	42145936	G	C	SPTBN5
15	42148736	A	G	SPTBN5
15	42149472	T	C	SPTBN5
15	42149596	C	G	SPTBN5
15	42150801	C	T	SPTBN5
15	42150888	G	A	SPTBN5
15	42162467	G	A	SPTBN5
15	42162703	C	T	SPTBN5
15	42166500	C	T	SPTBN5
15	42169008	TGTGTGCAGCT-		SPTBN5
15	42169318	A	G	SPTBN5
15	42170577	G	C	SPTBN5
15	42171462	C	T	SPTBN5
15	42171483	G	A	SPTBN5
15	42174835	G	C	SPTBN5
15	42178122	T	C	SPTBN5
15	42178155	T	C	SPTBN5
15	42179479	C	T	SPTBN5
15	42179610	C	T	SPTBN5
15	42185151	G	A	SPTBN5
15	42235316	C	T	EHD4
15	42278168	C	T	PLA2G4E
15	42279477	C	T	PLA2G4E
15	42282388	C	T	PLA2G4E
15	42287606	T	C	PLA2G4E
15	42289437	C	T	PLA2G4E
15	42342824	T	G	PLA2G4E
15	42360950	C	T	PLA2G4D
15	42361022	C	T	PLA2G4D
15	42363012	G	C	PLA2G4D
15	42363043	T	G	PLA2G4D

15	42363395	C	T	PLA2G4D
15	42363480	G	A	PLA2G4D
15	42363482	G	A	PLA2G4D
15	42364046	T	C	PLA2G4D
15	42364501	C	G	PLA2G4D
15	42373292	G	A	PLA2G4D
15	42373325	C	G	PLA2G4D
15	42373810	G	C	PLA2G4D
15	42386630	G	T	PLA2G4D
15	42386638	C	A	PLA2G4D
15	42434824	C	T	PLA2G4F
15	42434837	T	C	PLA2G4F
15	42436737	C	T	PLA2G4F
15	42437975	C	T	PLA2G4F
15	42439444	C	T	PLA2G4F
15	42442823	G	C	PLA2G4F
15	42442838	C	T	PLA2G4F
15	42448659	C	A	PLA2G4F
15	42457972	C	A	VPS39
15	42568547	C	G	GANC
15	42570718	A	G	GANC
15	42579949	G	A	GANC
15	42602621	C	T	GANC
15	42618531	T	A	GANC
15	42630673	A	G	GANC
15	42631950	C	T	GANC
15	42643529	T	C	GANC
15	42643538	A	G	GANC
15	42643546	C	A	GANC
15	42644231	G	A	GANC
15	42676690	G	A	CAPN3
15	42681199	G	A	CAPN3
15	42731805	T	C	ZNF106
15	42734481	G	T	ZNF106
15	42734562	G	C	ZNF106
15	42740560	T	C	ZNF106
15	42742435	T	C	ZNF106
15	42742464	A	G	ZNF106
15	42853561	T	C	HAUS2
15	43018524	G	A	CDAN1
15	43020983	G	A	CDAN1
15	43023482	T	C	CDAN1
15	43023852	C	G	CDAN1

15	43023908	A	G	CDAN1
15	43044259	G	A	TTBK2
15	43170793	A	G	TTBK2
15	43237642	C	T	UBR1
15	43244587	G	A	UBR1
15	43250212	T	C	UBR1
15	43256191	T	C	UBR1
15	43282285	C	T	UBR1
15	43290450	C	A	UBR1
15	43317071	T	C	UBR1
15	43348610	T	C	UBR1
15	43360142	C	A	UBR1
15	43362998	C	A	UBR1
15	43484990	G	A	CCNDBP1
15	43499436	G	A	EPB42
15	43500478	C	T	EPB42
15	43527819	T	C	TGM5
15	43531411	G	C	TGM5
15	43552349	C	A	TGM5
15	43552663	G	T	TGM5
15	43552744	G	C	TGM5
15	43568715	T	C	TGM7
15	43569097	C	T	TGM7
15	43569193	C	T	TGM7
15	43571404	C	T	TGM7
15	43571463	G	A	TGM7
15	43572110	C	T	TGM7
15	43585039	C	G	TGM7
15	43585732	GCGCACAGTG/-		TGM7
15	43621136	T	C	LCMT2
15	43622265	C	A	LCMT2
15	43622441	C	A	LCMT2
15	43653305	C	T	ZSCAN29
15	43658836	C	G	ZSCAN29
15	43658935	C	T	ZSCAN29
15	43693969	G	A	TUBGCP4
15	43693987	G	A	TUBGCP4
15	43705365	G	A	TP53BP1
15	43712823	C	T	TP53BP1
15	43724532	T	C	TP53BP1
15	43733730	A	G	TP53BP1
15	43733766	T	C	TP53BP1
15	43748962	G	A	TP53BP1

15	43749332	C	T	<i>TP53BP1</i>
15	43762196	C	T	<i>TP53BP1</i>
15	43769851	A	G	<i>TP53BP1</i>
15	43816900	G	A	<i>MAP1A</i>
15	43817404	G	A	<i>MAP1A</i>
15	43817805	GGT	-	<i>MAP1A</i>
15	43817866	G	A	<i>MAP1A</i>
15	43818052	G	A	<i>MAP1A</i>
15	43818115	G	A	<i>MAP1A</i>
15	43818597	G	T	<i>MAP1A</i>
15	43819150	C	G	<i>MAP1A</i>
15	43819450	A	G	<i>MAP1A</i>
15	43819862	C	T	<i>MAP1A</i>
15	43820717	C	T	<i>MAP1A</i>
15	43820788	G	A	<i>MAP1A</i>
15	43821880	C	T	<i>MAP1A</i>
15	43892807	G	A	<i>STRC</i>
15	43893733	C	T	<i>STRC</i>
15	43893734	G	A	<i>STRC</i>
15	43895586	C	T	<i>STRC</i>
15	43927585	G	A	<i>CATSPER2</i>
15	43927973	C	T	<i>CATSPER2</i>
15	43939642	C	T	<i>CATSPER2</i>
15	44067985	A	G	<i>ELL3</i>
15	44069069	G	C	<i>ELL3</i>
15	44088405	G	T	<i>SERINC4</i>
15	44091623	G	A	<i>SERINC4</i>
15	44093927	T	C	<i>HYPK</i>
15	44120340	G	A	<i>WDR76</i>
15	44120412	A	G	<i>WDR76</i>
15	44153571	C	T	<i>WDR76</i>
15	44184197	C	T	<i>FRMD5</i>
15	44673112	A	G	<i>CASC4</i>
15	44673140	G	T	<i>CASC4</i>
15	44829396	G	-	<i>EIF3J</i>
15	44829401	GGC	-	<i>EIF3J</i>
15	44829403	-	GGCGGCGGC	<i>EIF3J</i>
15	44856827	G	A	<i>SPG11</i>
15	44859744	C	T	<i>SPG11</i>
15	44918690	C	T	<i>SPG11</i>
15	44925740	A	C	<i>SPG11</i>
15	44943757	A	G	<i>SPG11</i>
15	44943797	T	C	<i>SPG11</i>

15	44944037	C	T	SPG11
15	44949354	C	T	SPG11
15	44962037	C	T	PATL2
15	44962188	G	A	PATL2
15	45047134	G	A	TRIM69
15	45047402	A	G	TRIM69
15	45048651	C	T	TRIM69
15	45249121	C	G	C15orf43
15	45258358	T	G	C15orf43
15	45353285	C	T	SORD
15	45361217	G	-	SORD
15	45361217	G	-	SORD
15	45386358	T	C	DUOX2
15	45390213	C	T	DUOX2
15	45392075	G	A	DUOX2
15	45393014	G	C	DUOX2
15	45393418	C	T	DUOX2
15	45393426	GAAC	-	DUOX2
15	45397993	C	T	DUOX2
15	45398369	C	T	DUOX2
15	45398438	T	C	DUOX2
15	45398750	C	T	DUOX2
15	45404066	G	A	DUOX2
15	45408056	T	C	DUOXA2
15	45408414	C	G	DUOXA2
15	45408836	C	G	DUOXA2
15	45409732	C	G	DUOXA1
15	45412435	G	A	DUOXA1
15	45436245	C	T	DUOX1
15	45436303	G	A	DUOX1
15	45440600	C	T	DUOX1
15	45440621	C	T	DUOX1
15	45442896	T	C	DUOX1
15	45444133	T	C	DUOX1
15	45446156	C	T	DUOX1
15	45464170	G	A	SHF
15	45467540	C	G	SHF
15	45470476	G	A	SHF
15	45491082	G	A	SHF
15	45491136	C	G	SHF
15	45545478	C	T	SLC28A2
15	45545480	G	T	SLC28A2
15	45554267	C	A	SLC28A2

15	45556148	G	T	SLC28A2
15	45561710	G	C	SLC28A2
15	45661678	T	A	GATM
15	45694653	C	T	SPATA5L1
15	45695445	C	G	SPATA5L1
15	45695448	G	T	SPATA5L1
15	45702692	T	G	SPATA5L1
15	45707861	C	T	SPATA5L1
15	45723029	AAGT	-	C15orf48
15	45723032	T	-	C15orf48
15	45814263	T	C	SLC30A4
15	45968435	T	C	SQRDL
15	45974763	G	A	SQRDL
15	48056219	A	G	SEMA6D
15	48063734	C	G	SEMA6D
15	48426484	A	G	SLC24A5
15	48443699	T	C	MYEF2
15	48444430	C	A	MYEF2
15	48493739	C	T	CTXN2
15	48500263	G	A	SLC12A1
15	48527104	G	A	SLC12A1
15	48580713	T	C	SLC12A1
15	48623812	G	A	DUT
15	48779352	C	T	FBN1
15	48779550	G	A	FBN1
15	48807637	C	T	FBN1
15	49048132	G	C	CEP152
15	49048567	A	G	CEP152
15	49089694	C	T	CEP152
15	49090175	G	A	CEP152
15	49097843	A	T	CEP152
15	49148192	T	G	SHC4
15	49254773	T	G	SHC4
15	49284769	TCT	-	SECISBP2L
15	49285001	G	C	SECISBP2L
15	49293194	C	A	SECISBP2L
15	49509492	A	G	GALK2
15	49620810	TGA	-	FAM227B
15	49860466	-	A	FAM227B
15	49880280	C	-	FAM227B
15	50154563	C	T	ATP8B4
15	50189535	G	A	ATP8B4
15	50189566	A	G	ATP8B4

15	50226313	G	T	<i>ATP8B4</i>
15	50264839	C	T	<i>ATP8B4</i>
15	50279662	T	C	<i>ATP8B4</i>
15	50366353	G	C	<i>ATP8B4</i>
15	50366373	C	T	<i>ATP8B4</i>
15	50474766	A	C	<i>SLC27A2</i>
15	50494779	A	G	<i>SLC27A2</i>
15	50534514	T	G	<i>HDC</i>
15	50555544	G	A	<i>HDC</i>
15	50593003	T	C	<i>GABPB1</i>
15	50593417	C	A	<i>GABPB1</i>
15	50763945	T	A	<i>USP8</i>
15	50769520	G	A	<i>USP8</i>
15	50773787	A	G	<i>USP8</i>
15	50878630	G	A	<i>TRPM7</i>
15	50884348	G	A	<i>TRPM7</i>
15	50884671	G	A	<i>TRPM7</i>
15	50897205	A	T	<i>TRPM7</i>
15	50940982	T	C	<i>TRPM7</i>
15	51014367	A	T	<i>SPPL2A</i>
15	51028388	C	T	<i>SPPL2A</i>
15	51032011	G	A	<i>SPPL2A</i>
15	51032012	C	A	<i>SPPL2A</i>
15	51040384	T	C	<i>SPPL2A</i>
15	51041909	C	T	<i>SPPL2A</i>
15	51217361	T	C	<i>AP4E1</i>
15	51240316	A	C	<i>AP4E1</i>
15	51350287	T	G	<i>TNFAIP8L3</i>
15	51397202	C	G	<i>TNFAIP8L3</i>
15	51397262	C	T	<i>TNFAIP8L3</i>
15	51507968	G	A	<i>CYP19A1</i>
15	51514572	G	A	<i>CYP19A1</i>
15	51692407	C	G	<i>GLDN</i>
15	51692419	C	T	<i>GLDN</i>
15	51693813	G	A	<i>GLDN</i>
15	51773257	C	T	<i>DMXL2</i>
15	51773327	A	T	<i>DMXL2</i>
15	51790979	T	C	<i>DMXL2</i>
15	51791559	A	G	<i>DMXL2</i>
15	51791562	T	C	<i>DMXL2</i>
15	51829812	G	A	<i>DMXL2</i>
15	51914720	G	C	<i>DMXL2</i>
15	52017135	C	T	<i>LYSMD2</i>

15	52181297	A	G	<i>TMOD3</i>
15	52181305	G	A	<i>TMOD3</i>
15	52186051	A	G	<i>TMOD3</i>
15	52186062	C	G	<i>TMOD3</i>
15	52353498	C	G	<i>MAPK6</i>
15	52476852	C	T	<i>GNB5</i>
15	52510748	G	T	<i>MYO5C</i>
15	52517714	C	T	<i>MYO5C</i>
15	52521383	C	T	<i>MYO5C</i>
15	52527951	T	C	<i>MYO5C</i>
15	52536596	C	T	<i>MYO5C</i>
15	52539165	G	A	<i>MYO5C</i>
15	52539699	T	C	<i>MYO5C</i>
15	52543615	G	T	<i>MYO5C</i>
15	52611351	C	T	<i>MYO5A</i>
15	52622548	G	A	<i>MYO5A</i>
15	52635394	T	A	<i>MYO5A</i>
15	52643564	G	A	<i>MYO5A</i>
15	52659252	C	T	<i>MYO5A</i>
15	52676392	A	G	<i>MYO5A</i>
15	52901166	T	C	<i>FAM214A</i>
15	52901283	T	C	<i>FAM214A</i>
15	52901433	C	T	<i>FAM214A</i>
15	52901658	C	T	<i>FAM214A</i>
15	52901865	C	T	<i>FAM214A</i>
15	52902491	A	G	<i>FAM214A</i>
15	53907906	A	C	<i>WDR72</i>
15	53908062	T	C	<i>WDR72</i>
15	54003091	G	A	<i>WDR72</i>
15	54008845	T	C	<i>WDR72</i>
15	54305191	A	G	<i>UNC13C</i>
15	54305612	G	A	<i>UNC13C</i>
15	54306012	C	G	<i>UNC13C</i>
15	54307925	C	T	<i>UNC13C</i>
15	54919253	T	C	<i>UNC13C</i>
15	55619796	T	C	<i>PIGB</i>
15	55632859	G	T	<i>PIGB</i>
15	55647090	C	G	<i>PIGB</i>
15	55651926	T	C	<i>CCPG1</i>
15	55652187	T	C	<i>CCPG1</i>
15	55652719	A	G	<i>CCPG1</i>
15	55664110	G	C	<i>CCPG1</i>
15	55722882	C	A	<i>DYX1C1</i>

15	55731682	T	A	DYX1C1
15	55789910	C	T	DYX1C1
15	55838585	G	T	PYGO1
15	55838976	C	G	PYGO1
15	55912391	G	A	PRTG
15	55912875	T	A	PRTG
15	55916703	T	G	PRTG
15	55921043	C	T	PRTG
15	55972797	T	C	PRTG
15	56032665	C	G	PRTG
15	56126450	T	C	NEDD4
15	56148337	G	A	NEDD4
15	56152729	T	C	NEDD4
15	56152872	C	T	NEDD4
15	56161779	C	G	NEDD4
15	56207811	T	G	NEDD4
15	56208463	A	C	NEDD4
15	56208822	C	G	NEDD4
15	56208933	T	C	NEDD4
15	56385955	C	T	RFX7
15	56386286	C	T	RFX7
15	56386577	T	G	RFX7
15	56387960	G	A	RFX7
15	56704567	T	G	TEX9
15	56736681	A	G	MNS1
15	56756285	T	G	MNS1
15	56923895	C	A	ZNF280D
15	56959028	C	T	ZNF280D
15	56993268	T	C	ZNF280D
15	57484419	C	T	TCF12
15	57524982	G	A	TCF12
15	57731161	C	G	CGNL1
15	57731293	C	T	CGNL1
15	57731335	A	C	CGNL1
15	57731384	G	T	CGNL1
15	57731573	C	T	CGNL1
15	57731728	A	G	CGNL1
15	57734659	G	A	CGNL1
15	57809116	C	T	CGNL1
15	57820861	A	G	CGNL1
15	57835903	T	G	CGNL1
15	57910241	T	C	GCOM1
15	57918090	A	G	GCOM1

15	57924714	A	C	GCOM1
15	57925836	C	T	GCOM1
15	57929927	A	G	GCOM1
15	57929969	A	G	GCOM1
15	58256127	C	T	ALDH1A2
15	58357800	C	T	ALDH1A2
15	58471487	G	A	AQP9
15	58476281	A	G	AQP9
15	58833993	G	A	LIPC
15	58838010	A	G	LIPC
15	58853079	C	A	LIPC
15	58855748	C	T	LIPC
15	58855760	A	C	LIPC
15	58860941	A	T	LIPC
15	58957371	C	G	ADAM10
15	59041709	G	C	ADAM10
15	59064288	G	C	FAM63B
15	59139625	G	C	FAM63B
15	59189414	C	A	SLTM
15	59323048	C	G	RNF111
15	59344511	T	G	RNF111
15	59347970	G	A	RNF111
15	59350686	T	A	RNF111
15	59406968	C	T	CCNB2
15	59430501	G	T	MYO1E
15	59487752	G	C	MYO1E
15	59497600	G	T	MYO1E
15	59497622	G	C	MYO1E
15	59499179	G	A	LDHAL6B
15	59499228	C	T	LDHAL6B
15	59500193	C	T	LDHAL6B
15	59506892	G	C	MYO1E
15	59519746	T	C	MYO1E
15	59806496	G	T	FAM81A
15	59910649	C	G	GCNT3
15	59910888	C	T	GCNT3
15	59911215	C	G	GCNT3
15	59911217	C	G	GCNT3
15	59971946	T	C	BNIP2
15	59981491	T	G	BNIP2
15	59981515	A	G	BNIP2
15	59981590	G	A	BNIP2
15	60720819	A	C	ICE2

15	60741703	C	T	ICE2
15	62146742	T	C	VPS13C
15	62147087	C	A	VPS13C
15	62160901	C	T	VPS13C
15	62174893	G	C	VPS13C
15	62202482	C	T	VPS13C
15	62204043	G	A	VPS13C
15	62207911	A	G	VPS13C
15	62212298	C	T	VPS13C
15	62212467	C	T	VPS13C
15	62212770	T	C	VPS13C
15	62214607	C	T	VPS13C
15	62214756	A	G	VPS13C
15	62219337	G	A	VPS13C
15	62223303	C	G	VPS13C
15	62226423	T	G	VPS13C
15	62238002	G	A	VPS13C
15	62243197	T	C	VPS13C
15	62254989	T	C	VPS13C
15	62259637	C	T	VPS13C
15	62261612	T	C	VPS13C
15	62270845	T	C	VPS13C
15	62316035	C	T	VPS13C
15	62359862	G	T	C2CD4A
15	62942342	G	A	TLN2
15	62942343	C	A	TLN2
15	62995056	G	A	TLN2
15	63031659	G	T	TLN2
15	63084979	C	T	TLN2
15	63092900	G	C	TLN2
15	63102176	G	A	TLN2
15	63111739	T	C	TLN2
15	63111778	G	A	TLN2
15	63128231	G	T	TLN2
15	63131091	C	T	TLN2
15	63419699	A	C	LACTB
15	63433766	G	A	LACTB
15	63569902	C	T	APH1B
15	63594660	G	T	APH1B
15	63597857	T	G	APH1B
15	63619433	C	T	CA12
15	63862721	C	T	USP3
15	63893739	G	A	FBXL22

15	63935703	C	T	HERC1
15	63937209	C	G	HERC1
15	63950849	C	A	HERC1
15	63950887	G	A	HERC1
15	63970338	C	T	HERC1
15	63970456	T	C	HERC1
15	63981853	T	C	HERC1
15	63982745	C	A	HERC1
15	64017685	C	T	HERC1
15	64025223	T	C	HERC1
15	64041905	G	C	HERC1
15	64275843	C	A	DAPK2
15	64275843	C	T	DAPK2
15	64275867	C	T	DAPK2
15	64428559	G	A	SNX1
15	64496654	C	T	CSNK1G1
15	64710874	G	C	TRIP4
15	64970496	C	T	ZNF609
15	64972995	CAC	-	ZNF609
15	65108105	T	G	PIF1
15	65108504	A	T	PIF1
15	65147181	G	A	PLEKHO2
15	65157482	C	T	PLEKHO2
15	65157652	G	A	PLEKHO2
15	65218337	C	A	ANKDD1A
15	65236879	C	T	ANKDD1A
15	65262475	C	T	SPG21
15	65295441	T	G	MTFMT
15	65312589	A	T	MTFMT
15	65313871	G	A	MTFMT
15	65313896	C	T	MTFMT
15	65350832	C	T	RASL12
15	65447268	A	G	CLPX
15	65451057	C	T	CLPX
15	65472527	C	G	CLPX
15	65489128	C	T	CILP
15	65489688	T	C	CILP
15	65489880	T	G	CILP
15	65490592	C	T	CILP
15	65490682	C	T	CILP
15	65490901	T	C	CILP
15	65499260	C	T	CILP
15	65555607	G	C	PARP16

15	65563370	A	T	PARP16
15	65622077	C	T	IGDCC3
15	65623939	C	T	IGDCC3
15	65676385	G	A	IGDCC4
15	65676531	G	C	IGDCC4
15	65682635	C	T	IGDCC4
15	65684513	C	T	IGDCC4
15	65689267	T	C	IGDCC4
15	65693258	C	T	IGDCC4
15	65694803	C	T	IGDCC4
15	65703370	C	T	IGDCC4
15	65703625	C	G	IGDCC4
15	65756196	G	T	DPP8
15	65863917	A	C	HACD3
15	65916527	A	T	SLC24A1
15	65917221	T	C	SLC24A1
15	65917349	G	C	SLC24A1
15	65917355	T	G	SLC24A1
15	65937980	C	T	SLC24A1
15	65943251	T	C	SLC24A1
15	65960396	G	A	DENND4A
15	65982899	G	A	DENND4A
15	65988709	C	T	DENND4A
15	65988751	G	A	DENND4A
15	66030189	C	T	DENND4A
15	66031102	C	T	DENND4A
15	66206204	G	A	MEGF11
15	66220799	C	T	MEGF11
15	66257408	T	C	MEGF11
15	66618342	A	G	DIS3L
15	66621382	G	A	DIS3L
15	66625140	T	A	DIS3L
15	66629394	T	C	TIPIN
15	66629403	C	A	TIPIN
15	66641732	G	C	TIPIN
15	66790035	T	A	SNAPC5
15	66790036	C	T	SNAPC5
15	66807942	G	A	ZWILCH
15	66813446	C	G	ZWILCH
15	66813452	C	T	ZWILCH
15	66821250	A	G	ZWILCH
15	66832466	A	G	ZWILCH
15	66840941	G	C	LCTL

15	66845438	T	G	LCTL
15	66853414	G	A	LCTL
15	66857095	G	C	LCTL
15	66857141	G	A	LCTL
15	66857613	A	G	LCTL
15	67528374	T	G	AAGAB
15	67528778	A	T	AAGAB
15	67555487	G	C	IQCH
15	67692566	T	C	IQCH
15	67709344	C	T	IQCH
15	67768151	G	C	IQCH
15	68125577	A	G	SKOR1
15	68486361	C	-	CALML4
15	68492008	A	G	CALML4
15	68497597	G	A	CALML4
15	68500491	C	G	CLN6
15	68605169	G	A	ITGA11
15	68606169	C	T	ITGA11
15	68609647	G	T	ITGA11
15	68624396	A	C	ITGA11
15	68628163	C	T	ITGA11
15	68631894	C	T	ITGA11
15	68653946	C	T	ITGA11
15	68657116	C	T	ITGA11
15	69003978	T	A	CORO2B
15	69238445	G	A	SPESP1
15	69328226	C	T	NOX5
15	69329515	G	A	NOX5
15	69339787	G	A	NOX5
15	69548338	A	G	GLCE
15	69561200	A	G	GLCE
15	69561518	G	A	GLCE
15	69652439	C	G	PAQR5
15	69652451	G	A	PAQR5
15	69709740	C	A	KIF23
15	69709783	A	G	KIF23
15	69709792	C	T	KIF23
15	69713988	T	C	KIF23
15	69714068	A	G	KIF23
15	69733320	G	A	KIF23
15	70347482	G	A	TLE3
15	70959871	A	G	UACA
15	70961649	T	G	UACA

15	70963392	T	C	UACA
15	71125358	G	A	LARP6
15	71144048	G	A	LARP6
15	71276481	CAA	-	LRRC49
15	71276483	A	-	LRRC49
15	71305200	G	A	LRRC49
15	71305225	G	A	LRRC49
15	71839803	G	A	THSD4
15	72023502	G	A	THSD4
15	72030141	C	A	THSD4
15	72030269	C	T	THSD4
15	72057477	G	A	THSD4
15	72063463	ATGACT	-	THSD4
15	72103934	G	A	NR2E3
15	72104364	A	G	NR2E3
15	72104400	C	T	NR2E3
15	72105929	C	-	NR2E3
15	72170400	G	A	MYO9A
15	72172798	G	A	MYO9A
15	72189952	T	A	MYO9A
15	72190294	C	T	MYO9A
15	72190309	A	G	MYO9A
15	72191104	T	C	MYO9A
15	72191266	C	T	MYO9A
15	72192205	C	G	MYO9A
15	72192242	G	A	MYO9A
15	72208780	A	T	MYO9A
15	72286823	T	A	MYO9A
15	72432583	A	G	SENP8
15	72454690	A	G	GRAMD2
15	72455757	C	G	GRAMD2
15	72455986	CTGT	-	GRAMD2
15	72462255	C	T	GRAMD2
15	72638920	-	GATA	HEXA
15	72639003	T	C	HEXA
15	72642925	G	A	HEXA
15	72690680	G	A	TMEM202
15	72690734	C	T	TMEM202
15	72691085	C	T	TMEM202
15	73002101	A	G	BBS4
15	73023728	C	T	BBS4
15	73027478	T	C	BBS4
15	73044863	G	A	ADPGK

15	73052840	T	C	ADPGK
15	73409067	A	G	NEO1
15	73575430	C	T	NEO1
15	73614857	C	G	HCN4
15	73660505	C	T	HCN4
15	73994895	C	T	CD276
15	73996066	G	A	CD276
15	73996101	G	A	CD276
15	74002006	G	A	CD276
15	74032479	G	C	C15orf59
15	74032631	G	A	C15orf59
15	74176557	G	A	TBC1D21
15	74327979	G	A	PML
15	74328098	G	A	PML
15	74328116	A	G	PML
15	74328141	G	T	PML
15	74336633	T	C	PML
15	74336874	A	G	PML
15	74425505	C	T	ISLR2
15	74426270	C	T	ISLR2
15	74467585	T	C	ISLR
15	74468266	G	C	ISLR
15	74468355	G	A	ISLR
15	74472522	C	T	STRA6
15	74473739	C	T	STRA6
15	74476274	C	T	STRA6
15	74487969	A	T	STRA6
15	74536356	G	A	CCDC33
15	74536401	AAG	-	CCDC33
15	74536401	AAG	-	CCDC33
15	74573074	C	T	CCDC33
15	74622533	A	G	CCDC33
15	74622549	G	T	CCDC33
15	74623422	C	T	CCDC33
15	74625077	C	T	CCDC33
15	74635368	C	T	CYP11A1
15	74636309	T	G	CYP11A1
15	74637475	C	T	CYP11A1
15	74659692	C	T	CYP11A1
15	74711182	A	T	SEMA7A
15	74836779	G	C	ARID3B
15	74925045	T	C	EDC3
15	75012925	C	T	CYP1A1

15	75012985	T	C	<i>CYP1A1</i>
15	75012987	G	T	<i>CYP1A1</i>
15	75012998	A	-	<i>CYP1A1</i>
15	75013051	C	T	<i>CYP1A1</i>
15	75014727	G	A	<i>CYP1A1</i>
15	75015045	C	G	<i>CYP1A1</i>
15	75015138	C	T	<i>CYP1A1</i>
15	75015162	G	A	<i>CYP1A1</i>
15	75042492	G	A	<i>CYP1A2</i>
15	75043638	A	G	<i>CYP1A2</i>
15	75111530	G	A	<i>LMAN1L</i>
15	75113460	C	T	<i>LMAN1L</i>
15	75116809	G	A	<i>LMAN1L</i>
15	75117912	G	T	<i>LMAN1L</i>
15	75122558	GAG	-	<i>CPLX3</i>
15	75130093	T	C	<i>ULK3</i>
15	75189489	C	T	<i>MPI</i>
15	75195037	G	C	<i>FAM219B</i>
15	75195069	A	C	<i>FAM219B</i>
15	75336729	A	G	<i>PPCDC</i>
15	75498447	C	T	<i>C15orf39</i>
15	75498486	C	T	<i>C15orf39</i>
15	75498744	G	C	<i>C15orf39</i>
15	75498874	C	T	<i>C15orf39</i>
15	75499807	C	A	<i>C15orf39</i>
15	75499983	-	CTGAGCCTGAC	<i>C15orf39</i>
15	75499995	T	G	<i>C15orf39</i>
15	75500614	-	TCCAGC	<i>C15orf39</i>
15	75503126	C	T	<i>C15orf39</i>
15	75641494	G	A	<i>NEIL1</i>
15	75648650	C	T	<i>MAN2C1</i>
15	75650903	C	T	<i>MAN2C1</i>
15	75656445	C	T	<i>MAN2C1</i>
15	75704005	G	A	<i>SIN3A</i>
15	75901899	C	G	<i>SNUPN</i>
15	75931966	G	C	<i>IMP3</i>
15	75932172	G	A	<i>IMP3</i>
15	75942786	G	A	<i>SNX33</i>
15	75968921	C	T	<i>CSPG4</i>
15	75975061	C	T	<i>CSPG4</i>
15	75980704	A	C	<i>CSPG4</i>
15	75981371	T	C	<i>CSPG4</i>
15	75982372	T	C	<i>CSPG4</i>

15	76019567	A	T	ODF3L1
15	76205566	C	T	FBXO22
15	76452476	C	G	TMEM266
15	76494569	A	G	TMEM266
15	76496232	G	A	TMEM266
15	76496340	C	T	TMEM266
15	76578762	G	A	ETFA
15	76673808	C	T	SCAPER
15	76726465	G	T	SCAPER
15	76914159	T	A	SCAPER
15	77067254	T	C	SCAPER
15	77067396	T	C	SCAPER
15	77176158	T	C	SCAPER
15	77324670	G	C	PSTPIP1
15	77406644	G	C	PEAK1
15	77425926	C	G	PEAK1
15	77471361	G	A	PEAK1
15	77750775	C	T	HMG20A
15	78295765	T	C	TBC1D2B
15	78337303	C	T	TBC1D2B
15	78390909	C	T	SH2D7
15	78393281	C	A	SH2D7
15	78393352	C	T	SH2D7
15	78454050	T	A	IDH3A
15	78461324	C	T	IDH3A
15	78466006	G	A	ACSBG1
15	78466028	G	A	ACSBG1
15	78466037	C	G	ACSBG1
15	78466127	T	C	ACSBG1
15	78558585	AT	-	DNAJA4
15	78562867	T	C	DNAJA4
15	78572717	A	G	DNAJA4
15	78572759	A	G	DNAJA4
15	78758677	G	C	IREB2
15	78780104	T	C	IREB2
15	78783019	G	A	IREB2
15	78789534	A	G	IREB2
15	78805635	A	G	HYKK
15	78807407	T	A	HYKK
15	78825825	G	T	HYKK
15	78825917	A	G	HYKK
15	78880752	G	A	CHRNA5
15	78893741	A	C	CHRNA3

15	78921343	G	A	<i>CHRNA4</i>
15	78923505	G	A	<i>CHRNA4</i>
15	79058541	A	G	<i>ADAMTS7</i>
15	79224727	T	C	<i>CTSH</i>
15	79237247	C	G	<i>CTSH</i>
15	79237293	C	T	<i>CTSH</i>
15	79277486	C	T	<i>RASGRF1</i>
15	79284127	C	A	<i>RASGRF1</i>
15	79296192	C	T	<i>RASGRF1</i>
15	79296386	C	T	<i>RASGRF1</i>
15	79586693	GTG	-	<i>ANKRD34C</i>
15	79586782	C	G	<i>ANKRD34C</i>
15	79603760	G	A	<i>TMED3</i>
15	79606202	G	A	<i>TMED3</i>
15	79749051	C	T	<i>KIAA1024</i>
15	79749261	A	C	<i>KIAA1024</i>
15	79749447	G	T	<i>KIAA1024</i>
15	79749702	T	C	<i>KIAA1024</i>
15	79750156	G	A	<i>KIAA1024</i>
15	79750419	A	T	<i>KIAA1024</i>
15	79750609	C	A	<i>KIAA1024</i>
15	79750619	G	C	<i>KIAA1024</i>
15	79755583	C	T	<i>KIAA1024</i>
15	79755593	C	T	<i>KIAA1024</i>
15	79755604	A	G	<i>KIAA1024</i>
15	80137560	T	C	<i>MTHFS</i>
15	80191280	T	A	<i>ST20</i>
15	80191338	A	G	<i>ST20</i>
15	80191343	G	A	<i>ST20</i>
15	80191446	-	A	<i>ST20</i>
15	80263217	C	T	<i>BCL2A1</i>
15	80263345	A	C	<i>BCL2A1</i>
15	80263406	C	T	<i>BCL2A1</i>
15	80866521	T	C	<i>ARNT2</i>
15	80872845	G	T	<i>ARNT2</i>
15	81180069	C	T	<i>CEMIP</i>
15	81187416	G	T	<i>CEMIP</i>
15	81188221	C	G	<i>CEMIP</i>
15	81221512	G	A	<i>CEMIP</i>
15	81234287	C	G	<i>CEMIP</i>
15	81234604	C	T	<i>CEMIP</i>
15	81241247	GAA	-	<i>CEMIP</i>
15	81558093	A	G	<i>IL16</i>

15	81571990	G	A	IL16
15	81572094	G	A	IL16
15	81578139	C	T	IL16
15	81591816	A	G	IL16
15	81592311	C	T	IL16
15	81598269	T	G	IL16
15	81614802	C	T	STARD5
15	81624929	G	T	TMC3
15	81625028	C	T	TMC3
15	81625385	C	T	TMC3
15	81633819	C	T	TMC3
15	81637167	G	T	TMC3
15	81648870	C	T	TMC3
15	81665021	T	A	TMC3
15	81666348	T	C	TMC3
15	82336014	AGA	-	MEX3B
15	82431145	C	T	EFTUD1
15	82444154	G	T	EFTUD1
15	82444469	T	C	EFTUD1
15	82456227	T	C	EFTUD1
15	82555242	A	G	SAXO2
15	82564087	G	A	SAXO2
15	83224779	C	T	CPEB1
15	83296073	C	T	CPEB1
15	83296111	T	G	CPEB1
15	83428192	C	T	FSD2
15	83447631	T	G	FSD2
15	83455620	CTT	-	FSD2
15	83499472	C	T	WHAMM
15	83499766	G	A	WHAMM
15	83502065	A	C	WHAMM
15	83502066	C	G	WHAMM
15	83502077	A	G	WHAMM
15	83519982	T	C	HOMER2
15	83674432	G	A	C15orf40
15	83680287	A	G	C15orf40
15	83687501	C	G	BTBD1
15	83687552	A	G	BTBD1
15	83718867	T	C	BTBD1
15	83781631	C	T	TM6SF1
15	84257493	G	A	SH3GL3
15	84488636	A	G	ADAMTSL3
15	84506964	A	G	ADAMTSL3

15	84539619	C	G	ADAMTSL3
15	84611805	C	T	ADAMTSL3
15	84694079	A	T	ADAMTSL3
15	84700108	C	T	ADAMTSL3
15	84706461	C	T	ADAMTSL3
15	85149771	G	T	ZSCAN2
15	85163998	G	C	ZSCAN2
15	85164013	A	C	ZSCAN2
15	85164049	A	G	ZSCAN2
15	85164597	A	G	ZSCAN2
15	85186837	T	C	WDR73
15	85186877	CTTGGCTCCGT-		WDR73
15	85188839	C	T	WDR73
15	85200520	G	T	NMB
15	85326955	G	A	ZNF592
15	85341859	G	A	ZNF592
15	85360271	A	G	ALPK3
15	85366575	G	A	ALPK3
15	85382307	G	A	ALPK3
15	85383145	C	G	ALPK3
15	85383640	G	A	ALPK3
15	85383709	A	G	ALPK3
15	85399869	C	T	ALPK3
15	85401259	C	T	ALPK3
15	85401370	C	T	ALPK3
15	85401597	C	T	ALPK3
15	85403105	C	A	ALPK3
15	85405995	T	C	ALPK3
15	85411508	A	T	ALPK3
15	85411581	C	T	ALPK3
15	85438311	-	TTG	SLC28A1
15	85447431	G	A	SLC28A1
15	85447434	G	T	SLC28A1
15	85448875	C	A	SLC28A1
15	85451997	G	T	SLC28A1
15	85467271	T	C	SLC28A1
15	85478696	C	T	SLC28A1
15	85657120	A	G	PDE8A
15	85664158	C	T	PDE8A
15	86087095	G	A	AKAP13
15	86122654	T	C	AKAP13
15	86122765	C	T	AKAP13
15	86122779	T	C	AKAP13

15	86123019	C	T	AKAP13
15	86123170	G	T	AKAP13
15	86123364	G	A	AKAP13
15	86123569	A	G	AKAP13
15	86123770	A	T	AKAP13
15	86123809	C	T	AKAP13
15	86123833	T	G	AKAP13
15	86123833	T	C	AKAP13
15	86123851	C	T	AKAP13
15	86123988	G	A	AKAP13
15	86124483	C	G	AKAP13
15	86124499	T	G	AKAP13
15	86124555	G	A	AKAP13
15	86124616	A	G	AKAP13
15	86124711	G	T	AKAP13
15	86124712	A	G	AKAP13
15	86124946	T	C	AKAP13
15	86225419	A	G	AKAP13
15	86253813	C	T	AKAP13
15	86273745	A	C	AKAP13
15	86273756	A	G	AKAP13
15	86278309	G	A	AKAP13
15	86283483	G	A	AKAP13
15	86286787	C	T	AKAP13
15	86287867	G	A	AKAP13
15	86312273	T	A	KLHL25
15	86312294	C	T	KLHL25
15	86687049	C	T	AGBL1
15	86790997	G	A	AGBL1
15	86800154	C	T	AGBL1
15	86807504	C	G	AGBL1
15	86807843	T	C	AGBL1
15	86940657	G	T	AGBL1
15	87099508	G	A	AGBL1
15	87217553	G	C	AGBL1
15	87217613	A	G	AGBL1
15	87531283	A	G	AGBL1
15	87531320	-	T	AGBL1
15	89010407	C	T	MRPL46
15	89070900	T	C	DET1
15	89169703	C	G	AEN
15	89169705	G	A	AEN
15	89169738	G	A	AEN

15	89173398	G	A	AEN
15	89382022	G	A	ACAN
15	89382053	G	A	ACAN
15	89382129	C	A	ACAN
15	89386652	G	A	ACAN
15	89390513	C	T	ACAN
15	89398266	T	C	ACAN
15	89398605	G	T	ACAN
15	89398631	T	A	ACAN
15	89400339	A	C	ACAN
15	89400341	C	T	ACAN
15	89400680	A	G	ACAN
15	89401109	A	G	ACAN
15	89401134	T	C	ACAN
15	89401184	T	A	ACAN
15	89415247	C	G	ACAN
15	89417238	A	G	ACAN
15	89424765	C	T	HAPLN3
15	89424870	G	T	HAPLN3
15	89444912	G	A	MFGE8
15	89449925	A	C	MFGE8
15	89450587	G	T	MFGE8
15	89755113	A	C	RLBP1
15	89804043	C	T	FANCI
15	89825056	A	G	FANCI
15	89828441	C	T	FANCI
15	89836228	G	C	FANCI
15	89859994	C	A	POLG
15	89865073	T	C	POLG
15	89866657	C	G	POLG
15	89866691	C	G	POLG
15	89870178	C	A	POLG
15	89870432	C	T	POLG
15	89871763	G	C	POLG
15	89873364	C	G	POLG
15	89873415	G	A	POLG
15	90021078	A	G	RHCG
15	90023558	G	A	RHCG
15	90023569	A	G	RHCG
15	90030069	T	C	RHCG
15	90126121	C	T	TICRR
15	90127741	G	C	TICRR
15	90144615	T	C	TICRR

15	90167382	G	C	TICRR
15	90167692	G	A	TICRR
15	90167736	C	G	TICRR
15	90168108	C	T	TICRR
15	90168171	C	T	TICRR
15	90168693	T	A	TICRR
15	90169233	C	G	TICRR
15	90170235	G	C	TICRR
15	90170237	C	T	TICRR
15	90171738	G	A	KIF7
15	90174824	C	T	KIF7
15	90174856	T	C	KIF7
15	90185591	C	T	KIF7
15	90189161	C	T	KIF7
15	90196008	C	T	KIF7
15	90210333	G	A	PLIN1
15	90210894	G	A	PLIN1
15	90213343	C	A	PLIN1
15	90216584	C	A	PLIN1
15	90245033	G	A	WDR93
15	90245174	T	A	WDR93
15	90255284	A	G	WDR93
15	90260145	T	A	WDR93
15	90281278	A	C	WDR93
15	90335788	C	T	ANPEP
15	90342752	C	G	ANPEP
15	90344348	C	T	ANPEP
15	90344352	T	C	ANPEP
15	90344353	A	T	ANPEP
15	90347148	G	C	ANPEP
15	90347814	G	A	ANPEP
15	90348434	G	T	ANPEP
15	90349558	C	T	ANPEP
15	90610914	T	G	ZNF710
15	90610934	C	G	ZNF710
15	90622936	G	A	ZNF710
15	90627553	G	A	IDH2
15	90630704	C	T	IDH2
15	90764249	G	C	SEMA4B
15	90768389	G	A	SEMA4B
15	90768544	T	A	SEMA4B
15	90770815	C	T	SEMA4B
15	90784250	T	C	GDPGP1

15	90784930	C	A	GDPGP1
15	90785060	C	T	GDPGP1
15	90814433	G	C	NGRN
15	90814664	C	T	NGRN
15	90902172	C	T	ZNF774
15	90903310	A	C	ZNF774
15	90903311	A	G	ZNF774
15	90903502	G	A	ZNF774
15	90904468	C	T	ZNF774
15	90984854	T	G	IQGAP1
15	91026730	G	A	IQGAP1
15	91030797	C	T	IQGAP1
15	91083353	G	A	CRTC3
15	91161186	T	G	CRTC3
15	91290633	T	C	BLM
15	91308570	C	T	BLM
15	91326099	C	T	BLM
15	91337418	A	G	BLM
15	91354521	G	A	BLM
15	91419098	C	T	FURIN
15	91419548	C	T	FURIN
15	91423337	C	T	FURIN
15	91448591	C	A	MAN2A2
15	91448626	C	T	MAN2A2
15	91452594	C	T	MAN2A2
15	91452595	A	G	MAN2A2
15	91454462	C	T	MAN2A2
15	91456607	A	G	MAN2A2
15	91459475	G	A	MAN2A2
15	91461545	G	A	MAN2A2
15	91474511	-	GTC	HDDC3
15	91491883	G	T	UNC45A
15	91500905	T	C	RCCD1
15	91504953	G	C	RCCD1
15	91513674	T	C	PRC1
15	91524841	G	T	PRC1
15	91525048	C	G	PRC1
15	91528006	G	C	PRC1
15	91543761	C	T	VPS33B
15	91545411	C	T	VPS33B
15	91548289	C	T	VPS33B
15	91549010	C	T	VPS33B
15	91795076	C	T	SV2B

15	91795601	T	C	SV2B
15	91795651	C	T	SV2B
15	91810815	G	T	SV2B
15	91827271	A	G	SV2B
15	92647645	G	C	SLCO3A1
15	92647684	A	C	SLCO3A1
15	92690379	A	G	SLCO3A1
15	93015633	A	C	C15orf32
15	93482864	A	G	CHD2
15	93545488	T	A	CHD2
15	93588289	G	A	RGMA
15	94899388	G	A	MCTP2
15	94911021	G	C	MCTP2
15	94945719	G	T	MCTP2
15	97327393	C	T	SPATA8
15	97327394	G	A	SPATA8
15	97328315	A	G	SPATA8
15	98509167	G	C	ARRDC4
15	98512376	G	A	ARRDC4
15	98512431	C	T	ARRDC4
15	98513845	T	C	ARRDC4
15	98984367	A	T	FAM169B
15	98995081	A	G	FAM169B
15	99023975	A	C	FAM169B
15	99251264	C	T	IGF1R
15	99451976	G	A	IGF1R
15	99452002	A	G	IGF1R
15	99454613	G	A	IGF1R
15	99456467	G	A	IGF1R
15	99511732	A	G	PGPEP1L
15	99511745	C	G	PGPEP1L
15	99511765	T	C	PGPEP1L
15	99511793	C	G	PGPEP1L
15	99511804	-	C	PGPEP1L
15	99511873	G	A	PGPEP1L
15	99514335	A	G	PGPEP1L
15	99762041	C	T	TTC23
15	100252893	A	G	MEF2A
15	100269365	T	G	LYSMD4
15	100269635	G	C	LYSMD4
15	100269680	G	C	LYSMD4
15	100269737	G	A	LYSMD4
15	100269749	G	A	LYSMD4

15	100271592	G	A	LYSMD4
15	100516333	G	A	ADAMTS17
15	100537693	A	G	ADAMTS17
15	100692953	G	A	ADAMTS17
15	100695390	G	T	ADAMTS17
15	100821576	G	A	ADAMTS17
15	100871162	T	C	ADAMTS17
15	100942962	T	C	CERS3
15	100996216	T	C	CERS3
15	101031132	C	T	CERS3
15	101041921	T	C	CERS3
15	101109677	C	A	LINS1
15	101109794	C	G	LINS1
15	101110096	T	C	LINS1
15	101120876	T	C	LINS1
15	101120963	T	C	LINS1
15	101445815	A	G	ALDH1A3
15	101529511	A	G	LRRK1
15	101561275	C	T	LRRK1
15	101562626	C	T	LRRK1
15	101565029	G	A	LRRK1
15	101567912	G	A	LRRK1
15	101593219	G	A	LRRK1
15	101605746	G	A	LRRK1
15	101606190	C	T	LRRK1
15	101606889	G	A	LRRK1
15	101718927	G	A	CHSY1
15	101718950	T	C	CHSY1
15	102241294	T	A	TARSL2
15	102264476	C	A	TARSL2
15	102346082	C	T	OR4F6
15	102346083	G	A	OR4F6
15	102346127	A	G	OR4F6
15	102358451	G	A	OR4F15
15	102358794	C	G	OR4F15
15	102358818	C	G	OR4F15
16	105863	G	A	SNRNP25
16	112593	G	A	RHBDF1
16	129448	A	C	MPG
16	129562	C	T	MPG
16	231021	C	G	HBQ1
16	309524	G	A	FAM234A
16	315001	C	T	FAM234A

16	319511	A	G	<i>RGS11</i>
16	320583	C	T	<i>RGS11</i>
16	320614	G	A	<i>RGS11</i>
16	320629	C	T	<i>RGS11</i>
16	320759	C	T	<i>RGS11</i>
16	320992	C	A	<i>RGS11</i>
16	332758	A	G	<i>ARHGDIG</i>
16	333284	C	T	<i>PDIA2</i>
16	334531	C	T	<i>PDIA2</i>
16	334534	A	G	<i>PDIA2</i>
16	334543	C	G	<i>PDIA2</i>
16	334575	C	T	<i>PDIA2</i>
16	334890	G	A	<i>PDIA2</i>
16	334899	G	A	<i>PDIA2</i>
16	334920	C	T	<i>PDIA2</i>
16	334957	G	A	<i>PDIA2</i>
16	335373	C	T	<i>PDIA2</i>
16	335639	G	T	<i>PDIA2</i>
16	336377	C	G	<i>PDIA2</i>
16	336396	G	A	<i>PDIA2</i>
16	336691	G	A	<i>PDIA2</i>
16	336854	C	G	<i>PDIA2</i>
16	336888	-	A	<i>PDIA2</i>
16	336916	C	T	<i>PDIA2</i>
16	338189	C	T	<i>AXIN1</i>
16	347957	C	T	<i>AXIN1</i>
16	348021	G	C	<i>AXIN1</i>
16	396727	C	T	<i>AXIN1</i>
16	417691	C	G	<i>MRPL28</i>
16	417757	T	C	<i>MRPL28</i>
16	424277	G	A	<i>TMEM8A</i>
16	424288	G	A	<i>TMEM8A</i>
16	425194	G	C	<i>TMEM8A</i>
16	425351	T	C	<i>TMEM8A</i>
16	426167	C	T	<i>TMEM8A</i>
16	427452	C	T	<i>TMEM8A</i>
16	427479	T	C	<i>TMEM8A</i>
16	427699	C	G	<i>TMEM8A</i>
16	450140	-	AG	<i>NME4</i>
16	450165	T	C	<i>NME4</i>
16	461483	G	C	<i>DECR2</i>
16	476430	C	G	<i>RAB11FIP3</i>
16	569754	G	C	<i>RAB11FIP3</i>

16	597059	C	T	<i>CAPN15</i>
16	597082	G	C	<i>CAPN15</i>
16	597764	G	A	<i>CAPN15</i>
16	597925	T	C	<i>CAPN15</i>
16	599116	G	A	<i>CAPN15</i>
16	602647	C	T	<i>CAPN15</i>
16	613344	G	A	<i>PRR35</i>
16	615095	G	A	<i>PRR35</i>
16	618273	C	T	<i>NHLRC4</i>
16	624424	C	T	<i>PIGQ</i>
16	630946	G	A	<i>PIGQ</i>
16	632262	C	A	<i>PIGQ</i>
16	632283	G	A	<i>PIGQ</i>
16	633125	T	C	<i>PIGQ</i>
16	633152	C	G	<i>PIGQ</i>
16	633353	T	C	<i>PIGQ</i>
16	633354	G	A	<i>PIGQ</i>
16	683905	G	A	<i>WFIKKN1</i>
16	683959	G	A	<i>WFIKKN1</i>
16	684579	C	T	<i>C16orf13</i>
16	700644	G	C	<i>WDR90</i>
16	701217	G	T	<i>WDR90</i>
16	701656	C	T	<i>WDR90</i>
16	703387	C	T	<i>WDR90</i>
16	705360	T	C	<i>WDR90</i>
16	705587	G	A	<i>WDR90</i>
16	705854	G	A	<i>WDR90</i>
16	707099	G	A	<i>WDR90</i>
16	707113	G	A	<i>WDR90</i>
16	707153	C	G	<i>WDR90</i>
16	707186	G	A	<i>WDR90</i>
16	708275	C	A	<i>WDR90</i>
16	709001	C	A	<i>WDR90</i>
16	711429	C	T	<i>WDR90</i>
16	711698	C	A	<i>WDR90</i>
16	711895	G	A	<i>WDR90</i>
16	712270	C	T	<i>WDR90</i>
16	716273	T	C	<i>WDR90</i>
16	716512	C	T	<i>WDR90</i>
16	716543	G	A	<i>WDR90</i>
16	722111	C	G	<i>RHOT2</i>
16	722259	C	T	<i>RHOT2</i>
16	722331	C	T	<i>RHOT2</i>

16	731318	G	A	STUB1
16	732799	C	T	JMJD8
16	733572	C	T	JMJD8
16	735679	G	A	WDR24
16	774193	G	T	CCDC78
16	774709	C	T	CCDC78
16	774734	T	G	CCDC78
16	775236	C	T	CCDC78
16	780575	C	T	NARFL
16	813260	C	T	MSLN
16	814683	G	A	MSLN
16	814942	G	A	MSLN
16	815549	T	C	MSLN
16	815565	T	C	MSLN
16	816464	A	G	MSLN
16	816977	G	A	MSLN
16	818559	A	G	MSLN
16	818687	C	T	MSLN
16	836149	A	G	RPUSD1
16	839269	G	A	CHTF18
16	839600	G	A	CHTF18
16	839627	T	C	CHTF18
16	840378	A	G	CHTF18
16	841254	G	A	CHTF18
16	842476	-	GGGGCCACAG	CHTF18
16	842518	C	T	CHTF18
16	843165	C	T	CHTF18
16	843183	G	A	CHTF18
16	845797	G	C	CHTF18
16	847743	C	T	CHTF18
16	855518	GCAGCT	-	PRR25
16	855717	C	G	PRR25
16	863367	C	T	PRR25
16	863367	C	-	PRR25
16	863422	G	A	PRR25
16	863498	G	C	PRR25
16	904551	G	C	LMF1
16	919894	C	T	LMF1
16	919948	G	A	LMF1
16	1020874	C	T	LMF1
16	1035189	G	A	SOX8
16	1129010	C	A	SSTR5
16	1129023	C	T	SSTR5

16	1129193	C	T	<i>SSTR5</i>
16	1129218	C	T	<i>SSTR5</i>
16	1129586	C	T	<i>SSTR5</i>
16	1129703	G	A	<i>SSTR5</i>
16	1129872	C	T	<i>SSTR5</i>
16	1143577	T	C	<i>C1QTNF8</i>
16	1143605	C	A	<i>C1QTNF8</i>
16	1245509	G	C	<i>CACNA1H</i>
16	1250389	A	G	<i>CACNA1H</i>
16	1250446	G	A	<i>CACNA1H</i>
16	1252114	C	T	<i>CACNA1H</i>
16	1252152	G	A	<i>CACNA1H</i>
16	1252369	C	T	<i>CACNA1H</i>
16	1254064	C	T	<i>CACNA1H</i>
16	1254223	G	A	<i>CACNA1H</i>
16	1256126	G	A	<i>CACNA1H</i>
16	1258033	G	T	<i>CACNA1H</i>
16	1265315	G	A	<i>CACNA1H</i>
16	1268376	G	A	<i>CACNA1H</i>
16	1268979	C	T	<i>CACNA1H</i>
16	1269003	A	G	<i>CACNA1H</i>
16	1269095	C	T	<i>CACNA1H</i>
16	1271890	G	T	<i>TPSG1</i>
16	1271910	G	T	<i>TPSG1</i>
16	1271958	G	A	<i>TPSG1</i>
16	1272038	G	A	<i>TPSG1</i>
16	1272275	C	T	<i>TPSG1</i>
16	1272684	C	G	<i>TPSG1</i>
16	1272750	G	A	<i>TPSG1</i>
16	1273490	C	T	<i>TPSG1</i>
16	1273562	C	T	<i>TPSG1</i>
16	1274604	G	A	<i>TPSG1</i>
16	1308156	G	A	<i>TPSD1</i>
16	1308333	G	A	<i>TPSD1</i>
16	1388618	G	A	<i>BAIAP3</i>
16	1389153	C	A	<i>BAIAP3</i>
16	1391137	C	T	<i>BAIAP3</i>
16	1391150	A	C	<i>BAIAP3</i>
16	1392745	G	C	<i>BAIAP3</i>
16	1394491	G	A	<i>BAIAP3</i>
16	1394507	A	C	<i>BAIAP3</i>
16	1395257	C	T	<i>BAIAP3</i>
16	1396256	C	T	<i>BAIAP3</i>

16	1400112	G	A	TSR3
16	1417791	T	C	UNKL
16	1470583	C	G	C16orf91
16	1484455	T	C	CCDC154
16	1484473	A	G	CCDC154
16	1484528	G	A	CCDC154
16	1488052	A	C	CCDC154
16	1488079	C	T	CCDC154
16	1492438	C	T	CCDC154
16	1493857	G	A	CCDC154
16	1493909	C	T	CCDC154
16	1497533	G	A	CLCN7
16	1502857	C	T	CLCN7
16	1536380	G	T	PTX4
16	1536463	G	A	PTX4
16	1536466	C	T	PTX4
16	1536499	G	T	PTX4
16	1536535	C	T	PTX4
16	1537693	C	A	PTX4
16	1537839	G	A	PTX4
16	1537874	G	A	PTX4
16	1537926	C	T	PTX4
16	1538363	C	A	PTX4
16	1538425	C	A	PTX4
16	1538464	C	T	PTX4
16	1544301	G	C	TELO2
16	1544302	A	G	TELO2
16	1544313	G	A	TELO2
16	1544314	C	A	TELO2
16	1545448	A	G	TELO2
16	1545589	T	C	TELO2
16	1550113	G	A	TELO2
16	1550409	C	T	TELO2
16	1552761	C	T	TELO2
16	1561037	G	A	IFT140
16	1569962	CTTGGC	-	IFT140
16	1570262	A	G	IFT140
16	1573890	G	A	IFT140
16	1584446	G	C	TMEM204
16	1616201	C	T	IFT140
16	1634385	C	T	IFT140
16	1637283	C	T	IFT140
16	1638000	C	G	IFT140

16	1652418	C	T	<i>IFT140</i>
16	1675986	G	T	<i>CRAMP1</i>
16	1706194	C	T	<i>CRAMP1</i>
16	1706275	C	T	<i>CRAMP1</i>
16	1706574	G	A	<i>CRAMP1</i>
16	1709945	C	T	<i>CRAMP1</i>
16	1718110	C	T	<i>CRAMP1</i>
16	1748853	G	A	<i>HN1L</i>
16	1814440	A	G	<i>MAPK8IP3</i>
16	1817236	C	T	<i>MAPK8IP3</i>
16	1820683	C	T	<i>NME3</i>
16	1822443	C	G	<i>MRPS34</i>
16	1825067	C	T	<i>EME2</i>
16	1825321	G	A	<i>EME2</i>
16	1826148	G	A	<i>EME2</i>
16	1828030	G	A	<i>SPSB3</i>
16	1837991	C	T	<i>NUBP2</i>
16	1838604	C	T	<i>NUBP2</i>
16	1838640	T	C	<i>NUBP2</i>
16	1838703	G	A	<i>NUBP2</i>
16	1840711	C	T	<i>IGFALS</i>
16	1841559	G	A	<i>IGFALS</i>
16	1859342	A	G	<i>HAGH</i>
16	1866946	C	T	<i>HAGH</i>
16	1867190	C	T	<i>HAGH</i>
16	1867268	G	A	<i>HAGH</i>
16	1869974	G	A	<i>HAGH</i>
16	1869987	C	T	<i>HAGH</i>
16	1877558	G	A	<i>FAHD1</i>
16	1894961	A	G	<i>MEIOB</i>
16	1903268	C	T	<i>MEIOB</i>
16	1910418	G	T	<i>MEIOB</i>
16	1912021	T	G	<i>MEIOB</i>
16	1918125	T	G	<i>MEIOB</i>
16	1961674	G	C	<i>HS3ST6</i>
16	1961731	G	A	<i>HS3ST6</i>
16	1961842	C	T	<i>HS3ST6</i>
16	1961868	C	T	<i>HS3ST6</i>
16	1995589	C	T	<i>RPL3L</i>
16	1995870	G	C	<i>RPL3L</i>
16	1997064	G	A	<i>RPL3L</i>
16	1997284	C	T	<i>RPL3L</i>
16	2002960	C	T	<i>RPL3L</i>

16	2003016	G	A	RPL3L
16	2004119	C	T	RPL3L
16	2017772	G	A	RNF151
16	2018578	C	G	RNF151
16	2018580	G	A	RNF151
16	2018877	T	C	RNF151
16	2018912	A	G	RNF151
16	2025253	C	T	TBL3
16	2025255	G	A	TBL3
16	2026891	T	C	TBL3
16	2028156	G	A	TBL3
16	2030006	T	-	NOXO1
16	2030127	G	A	NOXO1
16	2030971	C	T	NOXO1
16	2035947	G	A	GFER
16	2049631	G	A	ZNF598
16	2049640	A	G	ZNF598
16	2051106	T	C	ZNF598
16	2051178	C	T	ZNF598
16	2070200	G	C	NPW
16	2070568	A	C	NPW
16	2079665	G	A	SLC9A3R2
16	2086421	C	T	SLC9A3R2
16	2086469	C	T	SLC9A3R2
16	2096209	G	A	NTHL1
16	2096239	G	A	NTHL1
16	2110795	G	A	TSC2
16	2112558	G	A	TSC2
16	2112989	G	A	TSC2
16	2112998	A	G	TSC2
16	2120487	G	A	TSC2
16	2133701	G	A	TSC2
16	2133798	G	A	TSC2
16	2134508	G	T	TSC2
16	2134982	CTT	-	TSC2
16	2137925	CCCTGCAGTGC	-	TSC2
16	2138546	G	A	TSC2
16	2139814	G	A	PKD1
16	2140294	C	T	PKD1
16	2140680	T	C	PKD1
16	2144176	G	A	PKD1
16	2144182	G	A	PKD1
16	2203334	G	A	RAB26

16	2220714	GAG	-	TRAF7
16	2258575	G	A	MLST8
16	2259410	G	A	BRICD5
16	2260567	C	T	BRICD5
16	2260612	T	C	BRICD5
16	2263822	A	C	PGP
16	2263836	C	T	PGP
16	2279614	C	A	E4F1
16	2282256	G	A	E4F1
16	2283048	C	T	E4F1
16	2285437	G	A	E4F1
16	2286876	C	A	DNASE1L2
16	2286935	C	A	DNASE1L2
16	2287265	C	T	DNASE1L2
16	2287649	A	C	DNASE1L2
16	2296910	G	C	ECI1
16	2296927	G	A	ECI1
16	2334358	T	C	ABCA3
16	2345696	G	A	ABCA3
16	2347468	G	A	ABCA3
16	2350115	G	T	ABCA3
16	2369649	AGC	-	ABCA3
16	2376170	C	T	ABCA3
16	2498949	G	T	CCNF
16	2498978	G	A	CCNF
16	2505490	T	A	CCNF
16	2510363	C	T	C16orf59
16	2511047	C	T	C16orf59
16	2514631	C	T	C16orf59
16	2514649	C	T	C16orf59
16	2522833	C	T	NTN3
16	2546318	C	T	TBC1D24
16	2546790	G	A	TBC1D24
16	2578297	C	T	AMDHD2
16	2580362	G	T	CEMP1
16	2580755	G	C	CEMP1
16	2580912	T	C	CEMP1
16	2763556	C	T	PRSS27
16	2764281	G	A	PRSS27
16	2810454	A	G	SRRM2
16	2810469	C	T	SRRM2
16	2812786	C	G	SRRM2
16	2813096	C	G	SRRM2

16	2813636	G	C	<i>SRRM2</i>
16	2813952	C	G	<i>SRRM2</i>
16	2813957	C	T	<i>SRRM2</i>
16	2814281	A	G	<i>SRRM2</i>
16	2814575	C	T	<i>SRRM2</i>
16	2814911	G	T	<i>SRRM2</i>
16	2814950	C	T	<i>SRRM2</i>
16	2816519	G	A	<i>SRRM2</i>
16	2816627	G	C	<i>SRRM2</i>
16	2817788	C	T	<i>SRRM2</i>
16	2818066	A	G	<i>SRRM2</i>
16	2820684	C	T	<i>SRRM2</i>
16	2821525	G	A	<i>TCEB2</i>
16	2834656	C	T	<i>PRSS33</i>
16	2849409	C	T	<i>PRSS41</i>
16	2849411	C	G	<i>PRSS41</i>
16	2849468	A	G	<i>PRSS41</i>
16	2854494	T	C	<i>PRSS41</i>
16	2854507	T	G	<i>PRSS41</i>
16	2870961	C	T	<i>PRSS21</i>
16	2880745	G	A	<i>ZG16B</i>
16	2903944	C	G	<i>PRSS22</i>
16	2946541	G	A	<i>FLYWCH2</i>
16	2946697	A	T	<i>FLYWCH2</i>
16	2979945	G	T	<i>FLYWCH1</i>
16	2980006	A	G	<i>FLYWCH1</i>
16	2983445	A	T	<i>FLYWCH1</i>
16	2983539	A	G	<i>FLYWCH1</i>
16	2987289	G	A	<i>FLYWCH1</i>
16	2988326	G	A	<i>FLYWCH1</i>
16	2990062	A	T	<i>FLYWCH1</i>
16	3017854	G	C	<i>KREMEN2</i>
16	3021328	G	A	<i>PAQR4</i>
16	3080959	G	A	<i>CCDC64B</i>
16	3080997	C	T	<i>CCDC64B</i>
16	3081048	C	T	<i>CCDC64B</i>
16	3085326	C	T	<i>CCDC64B</i>
16	3085335	G	C	<i>CCDC64B</i>
16	3100088	G	A	<i>MMP25</i>
16	3100388	C	G	<i>MMP25</i>
16	3107096	G	A	<i>MMP25</i>
16	3117436	C	G	<i>IL32</i>
16	3117516	G	A	<i>IL32</i>

16	3118184	G	A	<i>IL32</i>
16	3118239	C	T	<i>IL32</i>
16	3139999	G	T	<i>ZSCAN10</i>
16	3165425	A	G	<i>ZNF205</i>
16	3169845	A	C	<i>ZNF205</i>
16	3170145	A	T	<i>ZNF205</i>
16	3187372	G	C	<i>ZNF213</i>
16	3254293	G	A	<i>OR1F1</i>
16	3254470	T	C	<i>OR1F1</i>
16	3254783	C	G	<i>OR1F1</i>
16	3273905	C	T	<i>ZNF200</i>
16	3274286	G	T	<i>ZNF200</i>
16	3282468	G	A	<i>ZNF200</i>
16	3293257	C	A	<i>MEFV</i>
16	3293310	A	G	<i>MEFV</i>
16	3293880	A	G	<i>MEFV</i>
16	3293888	C	T	<i>MEFV</i>
16	3293922	A	T	<i>MEFV</i>
16	3299586	G	A	<i>MEFV</i>
16	3299705	C	T	<i>MEFV</i>
16	3304626	C	G	<i>MEFV</i>
16	3333907	C	A	<i>ZNF263</i>
16	3349432	T	A	<i>TIGD7</i>
16	3367229	T	C	<i>ZNF75A</i>
16	3405986	G	A	<i>OR2C1</i>
16	3406112	C	T	<i>OR2C1</i>
16	3406478	G	A	<i>OR2C1</i>
16	3406511	G	T	<i>OR2C1</i>
16	3406626	G	A	<i>OR2C1</i>
16	3406757	T	-	<i>OR2C1</i>
16	3433574	C	T	<i>ZSCAN32</i>
16	3434699	A	G	<i>ZSCAN32</i>
16	3447282	C	G	<i>ZSCAN32</i>
16	3458609	G	A	<i>ZNF174</i>
16	3486996	C	T	<i>ZNF597</i>
16	3487104	G	C	<i>ZNF597</i>
16	3487431	G	C	<i>ZNF597</i>
16	3490879	T	A	<i>ZNF597</i>
16	3534831	C	G	<i>NAA60</i>
16	3544586	C	T	<i>C16orf90</i>
16	3558389	C	T	<i>CLUAP1</i>
16	3582833	G	A	<i>CLUAP1</i>
16	3586230	C	T	<i>CLUAP1</i>

16	3594316	C	T	NLRC3
16	3598190	C	T	NLRC3
16	3598198	T	C	NLRC3
16	3613136	C	T	NLRC3
16	3613239	C	T	NLRC3
16	3613263	C	T	NLRC3
16	3613637	G	A	NLRC3
16	3613784	C	T	NLRC3
16	3634861	G	A	SLX4
16	3639827	G	A	SLX4
16	3639977	G	A	SLX4
16	3640461	G	A	SLX4
16	3640715	G	A	SLX4
16	3640784	G	A	SLX4
16	3640785	C	T	SLX4
16	3640815	C	G	SLX4
16	3647692	A	C	SLX4
16	3656525	C	T	SLX4
16	3656625	G	A	SLX4
16	3656645	A	G	SLX4
16	3658545	C	A	SLX4
16	3658880	C	T	SLX4
16	3705479	G	C	DNASE1
16	3706649	G	A	DNASE1
16	3706668	A	C	DNASE1
16	3706697	G	A	DNASE1
16	3707191	G	A	DNASE1
16	3707257	C	T	DNASE1
16	3708170	C	T	TRAP1
16	3708192	C	T	TRAP1
16	3708861	G	A	TRAP1
16	3714411	-	CGG	TRAP1
16	3714438	C	T	TRAP1
16	3716025	A	T	TRAP1
16	3721773	G	C	TRAP1
16	3724365	C	T	TRAP1
16	3724465	G	C	TRAP1
16	3726075	G	A	TRAP1
16	3726094	T	C	TRAP1
16	3736085	C	T	TRAP1
16	3817813	G	A	CREBBP
16	3819294	C	T	CREBBP
16	3820723	T	C	CREBBP

16	3820773	G	A	<i>CREBBP</i>
16	3831230	G	T	<i>CREBBP</i>
16	3900713	G	C	<i>CREBBP</i>
16	4016345	C	T	<i>ADCY9</i>
16	4016377	T	C	<i>ADCY9</i>
16	4016932	C	T	<i>ADCY9</i>
16	4033436	T	C	<i>ADCY9</i>
16	4163754	T	G	<i>ADCY9</i>
16	4164920	G	A	<i>ADCY9</i>
16	4165257	C	A	<i>ADCY9</i>
16	4383398	G	T	<i>GLIS2</i>
16	4383414	A	T	<i>GLIS2</i>
16	4387424	A	G	<i>GLIS2</i>
16	4410357	G	C	<i>CORO7</i>
16	4412008	C	G	<i>CORO7</i>
16	4414805	C	T	<i>CORO7</i>
16	4414888	C	T	<i>CORO7</i>
16	4431282	G	A	<i>VASN</i>
16	4431315	C	T	<i>VASN</i>
16	4431360	G	A	<i>VASN</i>
16	4445327	C	T	<i>CORO7</i>
16	4455523	C	T	<i>CORO7</i>
16	4476089	T	C	<i>DNAJA3</i>
16	4484396	A	T	<i>DNAJA3</i>
16	4497014	C	T	<i>DNAJA3</i>
16	4511817	C	G	<i>NMRAL1</i>
16	4519382	T	G	<i>NMRAL1</i>
16	4519439	G	A	<i>NMRAL1</i>
16	4557846	A	T	<i>HMOX2</i>
16	4559434	G	C	<i>HMOX2</i>
16	4559659	C	T	<i>HMOX2</i>
16	4559693	TCCAGT	-	<i>HMOX2</i>
16	4606605	A	G	<i>C16orf96</i>
16	4606635	G	A	<i>C16orf96</i>
16	4625470	C	G	<i>C16orf96</i>
16	4626169	G	A	<i>C16orf96</i>
16	4626461	T	G	<i>C16orf96</i>
16	4638271	C	T	<i>C16orf96</i>
16	4644390	AGG	-	<i>C16orf96</i>
16	4644482	G	A	<i>C16orf96</i>
16	4644786	G	A	<i>C16orf96</i>
16	4649300	C	G	<i>C16orf96</i>
16	4649306	C	T	<i>C16orf96</i>

16	4723533	A	C	MGRN1
16	4733253	C	T	MGRN1
16	4738805	A	G	MGRN1
16	4745145	A	G	NUDT16L1
16	4745146	A	C	NUDT16L1
16	4747343	G	A	ANKS3
16	4748043	G	A	ANKS3
16	4751045	C	T	ANKS3
16	4764117	A	C	ANKS3
16	4774822	A	C	ANKS3
16	4787935	G	C	C16orf71
16	4790204	C	G	C16orf71
16	4790446	C	T	C16orf71
16	4796393	A	G	C16orf71
16	4796399	C	T	C16orf71
16	4797001	G	A	C16orf71
16	4797457	C	T	C16orf71
16	4802474	C	T	ZNF500
16	4812705	A	G	ZNF500
16	4812711	C	T	ZNF500
16	4861709	G	C	GLYR1
16	4920335	A	G	UBN1
16	4930089	T	C	UBN1
16	4933690	G	A	PPL
16	4933939	G	C	PPL
16	4934286	C	T	PPL
16	4934290	CCTGCTGCGG(-		PPL
16	4934403	C	T	PPL
16	4935061	C	G	PPL
16	4935636	G	A	PPL
16	4938160	T	G	PPL
16	4940732	C	T	PPL
16	4942099	C	T	PPL
16	4945687	G	T	PPL
16	4960852	C	G	PPL
16	5046919	C	T	SEC14L5
16	5077157	C	G	NAGPA
16	5097947	A	G	C16orf89
16	5115751	C	A	C16orf89
16	5122041	C	A	ALG1
16	7759119	G	A	RBFOX1
16	8722629	G	C	METTL22
16	8738499	G	A	METTL22

16	8862087	T	C	ABAT
16	8889886	C	T	TMEM186
16	8889975	G	A	TMEM186
16	8890113	G	T	TMEM186
16	8891471	T	C	TMEM186
16	8905010	G	A	PMM2
16	8906914	A	C	PMM2
16	8949095	C	T	CARHSP1
16	9196898	G	A	C16orf72
16	9858173	G	T	GRIN2A
16	9858211	T	C	GRIN2A
16	9858502	C	G	GRIN2A
16	10524657	GAC	-	ATF7IP2
16	10574767	G	A	ATF7IP2
16	10574796	C	T	ATF7IP2
16	10574813	G	A	ATF7IP2
16	10729751	C	G	TEKT5
16	10769943	G	A	TEKT5
16	10769958	T	C	TEKT5
16	10775857	C	G	TEKT5
16	10775932	A	G	TEKT5
16	10775949	T	C	TEKT5
16	10775980	C	A	TEKT5
16	10783113	A	G	TEKT5
16	10788200	C	G	TEKT5
16	10788294	G	A	TEKT5
16	10788550	C	T	TEKT5
16	10788556	C	T	TEKT5
16	10788624	T	C	TEKT5
16	10788652	C	T	TEKT5
16	10989219	C	G	CIITA
16	10995933	A	G	CIITA
16	11001421	C	A	CIITA
16	11001691	C	T	CIITA
16	11001694	T	C	CIITA
16	11002927	A	G	CIITA
16	11220123	G	A	CLEC16A
16	11260278	G	A	CLEC16A
16	11272287	G	A	CLEC16A
16	11272305	G	A	CLEC16A
16	11272330	G	A	CLEC16A
16	11362819	G	A	TNP2
16	11363003	C	G	TNP2

16	11367195	G	C	<i>PRM3</i>
16	11374994	C	A	<i>PRM1</i>
16	11647464	T	C	<i>LITAF</i>
16	11647492	T	C	<i>LITAF</i>
16	11650441	G	A	<i>LITAF</i>
16	11773304	C	T	<i>TXNDC11</i>
16	11785220	G	A	<i>TXNDC11</i>
16	11785455	T	G	<i>TXNDC11</i>
16	11785583	T	C	<i>TXNDC11</i>
16	11785747	G	C	<i>TXNDC11</i>
16	11850150	C	G	<i>ZC3H7A</i>
16	11864756	T	C	<i>ZC3H7A</i>
16	11873158	T	C	<i>ZC3H7A</i>
16	11876203	T	C	<i>ZC3H7A</i>
16	11933743	C	A	<i>RSL1D1</i>
16	11941607	T	C	<i>RSL1D1</i>
16	11945350	G	A	<i>RSL1D1</i>
16	12060163	A	G	<i>TNFRSF17</i>
16	12061595	T	G	<i>TNFRSF17</i>
16	12223531	C	T	<i>SNX29</i>
16	12662395	G	A	<i>SNX29</i>
16	12662448	G	A	<i>SNX29</i>
16	12798607	A	G	<i>CPPED1</i>
16	12875153	C	T	<i>CPPED1</i>
16	12875200	C	T	<i>CPPED1</i>
16	12897578	G	T	<i>CPPED1</i>
16	13002359	T	C	<i>SHISA9</i>
16	14014038	C	T	<i>ERCC4</i>
16	14028081	C	T	<i>ERCC4</i>
16	14029033	G	A	<i>ERCC4</i>
16	14029516	G	C	<i>ERCC4</i>
16	14038659	T	C	<i>ERCC4</i>
16	14041570	T	C	<i>ERCC4</i>
16	14042077	A	G	<i>ERCC4</i>
16	14334126	C	A	<i>MKL2</i>
16	14339497	T	C	<i>MKL2</i>
16	14742400	T	G	<i>BFAR</i>
16	14755908	G	A	<i>BFAR</i>
16	15128153	A	C	<i>PDXDC1</i>
16	15129927	G	A	<i>PDXDC1</i>
16	15131962	A	G	<i>NTAN1</i>
16	15131974	G	T	<i>NTAN1</i>
16	15134955	C	T	<i>NTAN1</i>

16	15166891	T	C	<i>RRN3</i>
16	15661871	A	G	<i>C16orf45</i>
16	15680631	C	T	<i>C16orf45</i>
16	15715636	C	G	<i>KIAA0430</i>
16	15729650	C	T	<i>KIAA0430</i>
16	15733081	C	T	<i>KIAA0430</i>
16	15797967	T	A	<i>MYH11</i>
16	15802687	G	T	<i>MYH11</i>
16	15808876	C	G	<i>MYH11</i>
16	15809049	C	T	<i>MYH11</i>
16	15811002	C	G	<i>MYH11</i>
16	15818842	A	G	<i>MYH11</i>
16	15820863	C	T	<i>MYH11</i>
16	15835621	G	A	<i>MYH11</i>
16	15844048	G	A	<i>MYH11</i>
16	15872688	G	A	<i>MYH11</i>
16	15931893	T	G	<i>MYH11</i>
16	15967361	-	CTA	<i>FOPNL</i>
16	15973731	C	T	<i>FOPNL</i>
16	16101793	C	G	<i>ABCC1</i>
16	16142079	G	T	<i>ABCC1</i>
16	16173232	G	T	<i>ABCC1</i>
16	16177275	G	A	<i>ABCC1</i>
16	16200716	G	C	<i>ABCC1</i>
16	16208889	G	A	<i>ABCC1</i>
16	16208928	G	A	<i>ABCC1</i>
16	16251599	C	T	<i>ABCC6</i>
16	16256935	G	A	<i>ABCC6</i>
16	16259596	G	A	<i>ABCC6</i>
16	16263662	G	T	<i>ABCC6</i>
16	16271357	T	C	<i>ABCC6</i>
16	16272711	C	T	<i>ABCC6</i>
16	16276292	T	C	<i>ABCC6</i>
16	16276345	C	T	<i>ABCC6</i>
16	16278863	G	T	<i>ABCC6</i>
16	16281007	A	G	<i>ABCC6</i>
16	17202757	C	T	<i>XYLT1</i>
16	17292204	G	A	<i>XYLT1</i>
16	17353090	G	C	<i>XYLT1</i>
16	18847508	C	T	<i>SMG1</i>
16	19020634	A	G	<i>TMC7</i>
16	19041595	G	A	<i>TMC7</i>
16	19049253	A	T	<i>TMC7</i>

16	19049346	T	C	<i>TMC7</i>
16	19067976	G	C	<i>TMC7</i>
16	19085298	C	T	<i>COQ7</i>
16	19126044	CTC	-	<i>ITPRIPL2</i>
16	19195128	C	T	<i>SYT17</i>
16	19451418	T	C	<i>TMC5</i>
16	19455468	G	T	<i>TMC5</i>
16	19468200	G	C	<i>TMC5</i>
16	19471571	G	A	<i>TMC5</i>
16	19471647	G	A	<i>TMC5</i>
16	19475099	C	A	<i>TMC5</i>
16	19475104	C	T	<i>TMC5</i>
16	19490769	T	C	<i>TMC5</i>
16	19505657	G	C	<i>TMC5</i>
16	19514806	C	T	<i>GDE1</i>
16	19519044	C	A	<i>GDE1</i>
16	19547503	C	T	<i>CCP110</i>
16	19547863	A	G	<i>CCP110</i>
16	19548030	T	A	<i>CCP110</i>
16	19548116	G	A	<i>CCP110</i>
16	19680518	C	T	<i>C16orf62</i>
16	19710824	G	A	<i>C16orf62</i>
16	19710890	C	T	<i>C16orf62</i>
16	19718333	A	C	<i>KNOP1</i>
16	19718345	G	A	<i>KNOP1</i>
16	19726231	G	A	<i>KNOP1</i>
16	19775403	A	C	<i>IQCK</i>
16	19800213	T	C	<i>IQCK</i>
16	19883228	T	C	<i>GPRC5B</i>
16	19883375	C	A	<i>GPRC5B</i>
16	20043404	T	C	<i>GPR139</i>
16	20335264	C	T	<i>GP2</i>
16	20370810	C	T	<i>PDILT</i>
16	20370816	C	T	<i>PDILT</i>
16	20371972	A	C	<i>PDILT</i>
16	20373806	C	T	<i>PDILT</i>
16	20373899	G	A	<i>PDILT</i>
16	20410547	C	T	<i>PDILT</i>
16	20422851	C	A	<i>ACSM5</i>
16	20422874	A	G	<i>ACSM5</i>
16	20422879	A	C	<i>ACSM5</i>
16	20423000	G	A	<i>ACSM5</i>
16	20429391	G	A	<i>ACSM5</i>

16	20432605	A	G	ACSM5
16	20439162	G	A	ACSM5
16	20442346	A	C	ACSM5
16	20442594	C	T	ACSM5
16	20448430	C	G	ACSM5
16	20487076	C	T	ACSM2A
16	20494408	C	T	ACSM2A
16	20556528	C	T	ACSM2B
16	20563528	T	C	ACSM2B
16	20682893	G	A	ACSM1
16	20693663	C	G	ACSM1
16	20748331	C	A	THUMPD1
16	20787240	T	C	ACSM3
16	20792122	C	T	ACSM3
16	20792417	C	T	ACSM3
16	20796338	G	A	ACSM3
16	20796387	G	C	ACSM3
16	20802007	C	G	ACSM3
16	20802172	C	T	ERI2
16	20809128	G	T	ERI2
16	20809303	C	T	ERI2
16	20809915	G	C	ERI2
16	20809965	G	A	ERI2
16	20810266	T	C	ERI2
16	20814940	C	T	ERI2
16	20856102	G	A	LOC81691
16	20857562	C	T	LOC81691
16	20935362	G	A	LYRM1
16	20946807	C	G	DNAH3
16	20948167	T	C	DNAH3
16	20948173	A	G	DNAH3
16	20959918	G	A	DNAH3
16	20963832	C	T	DNAH3
16	20966168	C	A	DNAH3
16	20966273	G	A	DNAH3
16	20966291	G	T	DNAH3
16	20966362	T	C	DNAH3
16	20970576	G	T	DNAH3
16	20974740	C	T	DNAH3
16	20976360	T	G	DNAH3
16	20981162	T	C	DNAH3
16	21042438	T	A	DNAH3
16	21051209	G	C	DNAH3

16	21093012	C	T	<i>DNAH3</i>
16	21098323	C	G	<i>DNAH3</i>
16	21123315	G	A	<i>DNAH3</i>
16	21133339	G	A	<i>DNAH3</i>
16	21139071	G	A	<i>DNAH3</i>
16	21151913	G	T	<i>DNAH3</i>
16	21185384	G	A	<i>TMEM159</i>
16	21190853	A	C	<i>TMEM159</i>
16	21222672	C	A	<i>ZP2</i>
16	21245101	G	C	<i>ANKS4B</i>
16	21261908	G	A	<i>ANKS4B</i>
16	21654459	C	T	<i>IGSF6</i>
16	21654892	C	T	<i>IGSF6</i>
16	21658498	G	A	<i>IGSF6</i>
16	21689879	T	A	<i>OTOA</i>
16	21976762	G	A	<i>UQCRC2</i>
16	21995737	C	T	<i>PDZD9</i>
16	22130235	C	T	<i>VWA3A</i>
16	22132376	A	T	<i>VWA3A</i>
16	22137603	G	A	<i>VWA3A</i>
16	22144284	C	A	<i>VWA3A</i>
16	22144318	C	T	<i>VWA3A</i>
16	22144330	G	A	<i>VWA3A</i>
16	22149688	T	C	<i>VWA3A</i>
16	22155629	A	G	<i>VWA3A</i>
16	22157582	C	A	<i>VWA3A</i>
16	22159551	A	G	<i>VWA3A</i>
16	22161136	T	C	<i>VWA3A</i>
16	22163875	G	A	<i>VWA3A</i>
16	22237118	A	G	<i>EEF2K</i>
16	22237273	C	G	<i>EEF2K</i>
16	22269867	A	G	<i>EEF2K</i>
16	22285007	G	A	<i>EEF2K</i>
16	22319517	T	G	<i>POLR3E</i>
16	22320292	G	A	<i>POLR3E</i>
16	22328486	C	T	<i>POLR3E</i>
16	22826046	T	G	<i>HS3ST2</i>
16	23079408	T	C	<i>USP31</i>
16	23079501	G	A	<i>USP31</i>
16	23079621	C	T	<i>USP31</i>
16	23079836	C	T	<i>USP31</i>
16	23080634	C	A	<i>USP31</i>
16	23098422	A	G	<i>USP31</i>

16	23099059	T	A	<i>USP31</i>
16	23200963	G	A	<i>SCNN1G</i>
16	23226429	A	G	<i>SCNN1G</i>
16	23360165	C	G	<i>SCNN1B</i>
16	23364276	C	T	<i>SCNN1B</i>
16	23391905	C	T	<i>SCNN1B</i>
16	23391964	G	A	<i>SCNN1B</i>
16	23409440	G	A	<i>COG7</i>
16	23428402	T	C	<i>COG7</i>
16	23456398	C	T	<i>COG7</i>
16	23492022	C	T	<i>GGA2</i>
16	23494262	C	T	<i>GGA2</i>
16	23536531	C	T	<i>EARS2</i>
16	23536684	T	C	<i>EARS2</i>
16	23544000	C	T	<i>EARS2</i>
16	23563502	G	T	<i>EARS2</i>
16	23563556	C	A	<i>EARS2</i>
16	23634293	C	T	<i>PALB2</i>
16	23635348	A	C	<i>PALB2</i>
16	23635370	C	T	<i>PALB2</i>
16	23637715	G	A	<i>PALB2</i>
16	23641340	G	A	<i>PALB2</i>
16	23641461	C	G	<i>PALB2</i>
16	23693443	C	T	<i>PLK1</i>
16	23700676	T	A	<i>PLK1</i>
16	23702246	G	C	<i>ERN2</i>
16	23703619	C	T	<i>ERN2</i>
16	23707215	C	T	<i>ERN2</i>
16	23711925	C	G	<i>ERN2</i>
16	23721844	C	T	<i>ERN2</i>
16	23721865	C	T	<i>ERN2</i>
16	23767202	G	A	<i>CHP2</i>
16	23768529	G	A	<i>CHP2</i>
16	23768875	C	T	<i>CHP2</i>
16	24202451	C	A	<i>PRKCB</i>
16	24800897	C	T	<i>TNRC6A</i>
16	24801468	C	G	<i>TNRC6A</i>
16	24801737	G	A	<i>TNRC6A</i>
16	24801806	G	A	<i>TNRC6A</i>
16	24802572	A	G	<i>TNRC6A</i>
16	24804954	A	T	<i>TNRC6A</i>
16	24815534	A	G	<i>TNRC6A</i>
16	24829938	C	T	<i>TNRC6A</i>

16	24873990	G	A	SLC5A11
16	24888646	T	C	SLC5A11
16	24902299	C	G	SLC5A11
16	24918048	C	T	SLC5A11
16	24950845	C	T	ARHGAP17
16	24950880	C	T	ARHGAP17
16	25228368	T	C	AQP8
16	25235743	G	A	AQP8
16	25239805	G	C	AQP8
16	25239809	G	A	AQP8
16	25255242	T	A	ZKSCAN2
16	25255503	G	C	ZKSCAN2
16	25258225	C	T	ZKSCAN2
16	25258404	G	C	ZKSCAN2
16	25258450	T	C	ZKSCAN2
16	25258512	A	T	ZKSCAN2
16	25263242	C	T	ZKSCAN2
16	25263278	G	A	ZKSCAN2
16	25704310	A	G	HS3ST4
16	27078327	C	T	C16orf82
16	27078560	G	A	C16orf82
16	27221733	A	G	KDM8
16	27356203	A	G	IL4R
16	27356224	G	A	IL4R
16	27357927	C	T	IL4R
16	27370278	G	A	IL4R
16	27373833	C	T	IL4R
16	27373872	A	C	IL4R
16	27373964	T	C	IL4R
16	27373980	C	T	IL4R
16	27374180	T	C	IL4R
16	27374400	A	G	IL4R
16	27374408	G	A	IL4R
16	27374696	C	T	IL4R
16	27374927	T	G	IL4R
16	27375029	T	C	IL4R
16	27445755	C	T	IL21R
16	27457366	G	A	IL21R
16	27460020	G	A	IL21R
16	27472772	C	T	GTF3C1
16	27472779	G	C	GTF3C1
16	27472859	G	A	GTF3C1
16	27474910	A	G	GTF3C1

16	27480797	C	T	<i>GTF3C1</i>
16	27509014	T	A	<i>GTF3C1</i>
16	27752134	A	G	<i>KIAA0556</i>
16	27761040	C	T	<i>KIAA0556</i>
16	27761090	G	T	<i>KIAA0556</i>
16	27772821	C	T	<i>KIAA0556</i>
16	27772880	G	A	<i>KIAA0556</i>
16	27772901	G	A	<i>KIAA0556</i>
16	27777733	G	A	<i>KIAA0556</i>
16	27784497	G	A	<i>KIAA0556</i>
16	27789278	G	A	<i>KIAA0556</i>
16	28112999	C	T	<i>XPO6</i>
16	28137151	G	A	<i>XPO6</i>
16	28328747	G	A	<i>SBK1</i>
16	28488943	T	C	<i>CLN3</i>
16	28507245	A	G	<i>APOBR</i>
16	28507557	C	T	<i>APOBR</i>
16	28507644	C	G	<i>APOBR</i>
16	28508094	G	A	<i>APOBR</i>
16	28508491	A	G	<i>APOBR</i>
16	28508716	T	C	<i>APOBR</i>
16	28508892	G	A	<i>APOBR</i>
16	28513403	A	G	<i>IL27</i>
16	28515228	A	C	<i>IL27</i>
16	28550174	C	T	<i>NUPR1</i>
16	28604771	G	A	<i>SULT1A2</i>
16	28606960	T	A	<i>SULT1A2</i>
16	28845892	G	A	<i>ATXN2L</i>
16	28856081	C	T	<i>TUFM</i>
16	28856364	C	T	<i>TUFM</i>
16	28883241	A	G	<i>SH2B1</i>
16	28916802	C	A	<i>RABEP2</i>
16	28922259	T	A	<i>RABEP2</i>
16	28944271	T	G	<i>CD19</i>
16	28948667	C	T	<i>CD19</i>
16	28950051	G	A	<i>CD19</i>
16	28970342	C	T	<i>NFATC2IP</i>
16	28995583	G	A	<i>SPNS1</i>
16	29675855	T	C	<i>SPN</i>
16	29706444	C	T	<i>QPRT</i>
16	29755701	C	T	<i>C16orf54</i>
16	29811027	T	A	<i>KIF22</i>
16	29816237	G	A	<i>KIF22</i>

16	29824442	G	A	<i>PRRT2</i>
16	29853318	C	T	<i>MVP</i>
16	29859222	G	T	<i>MVP</i>
16	29859305	C	T	<i>MVP</i>
16	29896915	C	T	<i>SEZ6L2</i>
16	29899021	C	T	<i>SEZ6L2</i>
16	29899123	G	T	<i>SEZ6L2</i>
16	29912633	G	T	<i>ASPHD1</i>
16	29998978	G	A	<i>TAOK2</i>
16	30004819	C	T	<i>HIRIP3</i>
16	30006486	T	C	<i>HIRIP3</i>
16	30017536	G	C	<i>DOC2A</i>
16	30018251	CCTGCTCCG	-	<i>DOC2A</i>
16	30021402	C	T	<i>DOC2A</i>
16	30035198	T	C	<i>C16orf92</i>
16	30081477	G	A	<i>ALDOA</i>
16	30100083	C	G	<i>TBX6</i>
16	30100401	C	T	<i>TBX6</i>
16	30106697	G	A	<i>YPEL3</i>
16	30106716	C	A	<i>YPEL3</i>
16	30124016	G	A	<i>GDPD3</i>
16	30128265	C	T	<i>MAPK3</i>
16	30199713	C	A	<i>CORO1A</i>
16	30199805	G	A	<i>CORO1A</i>
16	30364712	G	A	<i>CD2BP2</i>
16	30364805	C	T	<i>CD2BP2</i>
16	30365335	T	A	<i>CD2BP2</i>
16	30369434	C	T	<i>TBC1D10B</i>
16	30380872	C	G	<i>TBC1D10B</i>
16	30380879	G	A	<i>TBC1D10B</i>
16	30390417	T	C	<i>SEPT1</i>
16	30390818	A	C	<i>SEPT1</i>
16	30393147	C	A	<i>SEPT1</i>
16	30408765	C	T	<i>ZNF48</i>
16	30409241	A	G	<i>ZNF48</i>
16	30409466	G	C	<i>ZNF48</i>
16	30435601	C	G	<i>DCTPP1</i>
16	30492823	C	T	<i>ITGAL</i>
16	30518041	G	C	<i>ITGAL</i>
16	30536916	T	C	<i>ZNF768</i>
16	30536918	C	G	<i>ZNF768</i>
16	30566670	C	T	<i>ZNF764</i>
16	30566693	C	T	<i>ZNF764</i>

16	30567290	A	C	ZNF764
16	30581676	C	A	ZNF688
16	30594521	A	C	ZNF785
16	30620882	G	A	ZNF689
16	30666367	C	T	PRR14
16	30673889	C	A	FBRS
16	30680655	G	A	FBRS
16	30720835	T	G	SRCAP
16	30732644	C	T	SRCAP
16	30734473	C	T	SRCAP
16	30750116	C	T	SRCAP
16	30779716	A	G	RNF40
16	30795474	T	A	ZNF629
16	30795481	C	G	ZNF629
16	30936081	G	A	FBXL19
16	30976129	T	A	SETD1A
16	30976989	C	T	SETD1A
16	30999142	A	G	HSD3B7
16	31072909	G	A	ZNF668
16	31075708	C	G	ZNF668
16	31088625	A	G	ZNF646
16	31089341	A	G	ZNF646
16	31089465	C	T	ZNF646
16	31090094	G	A	ZNF646
16	31090120	C	G	ZNF646
16	31090182	G	T	ZNF646
16	31091076	C	T	ZNF646
16	31091390	C	T	ZNF646
16	31091727	G	A	ZNF646
16	31092470	C	T	ZNF646
16	31092956	C	T	ZNF646
16	31096164	G	C	PRSS53
16	31099000	C	T	PRSS53
16	31099011	T	C	PRSS53
16	31102589	G	A	VKORC1
16	31105945	C	A	VKORC1
16	31150559	G	C	PRSS36
16	31154772	G	A	PRSS36
16	31213903	C	T	PYCARD
16	31284718	G	A	ITGAM
16	31286964	T	A	ITGAM
16	31289317	C	T	ITGAM
16	31289396	T	C	ITGAM

16	31336888	C	T	<i>ITGAM</i>
16	31340609	G	T	<i>ITGAM</i>
16	31341424	C	A	<i>ITGAM</i>
16	31341430	A	G	<i>ITGAM</i>
16	31343005	C	T	<i>ITGAM</i>
16	31367318	T	C	<i>ITGAX</i>
16	31371674	G	A	<i>ITGAX</i>
16	31374535	C	G	<i>ITGAX</i>
16	31374624	G	A	<i>ITGAX</i>
16	31391120	T	C	<i>ITGAX</i>
16	31405563	C	T	<i>ITGAD</i>
16	31418867	C	T	<i>ITGAD</i>
16	31418975	C	T	<i>ITGAD</i>
16	31422804	C	T	<i>ITGAD</i>
16	31422807	C	T	<i>ITGAD</i>
16	31422810	A	G	<i>ITGAD</i>
16	31422812	T	C	<i>ITGAD</i>
16	31422815	G	A	<i>ITGAD</i>
16	31429453	G	A	<i>ITGAD</i>
16	31434770	C	T	<i>ITGAD</i>
16	31435277	G	C	<i>ITGAD</i>
16	31439613	A	C	<i>COX6A2</i>
16	31447788	G	A	<i>ZNF843</i>
16	31470886	T	A	<i>ARMC5</i>
16	31473275	A	G	<i>ARMC5</i>
16	31474091	A	G	<i>ARMC5</i>
16	31476458	C	T	<i>ARMC5</i>
16	31477594	C	G	<i>ARMC5</i>
16	31488891	C	A	<i>TGFB111</i>
16	31500217	A	G	<i>SLC5A2</i>
16	31501532	G	T	<i>SLC5A2</i>
16	31501798	A	G	<i>SLC5A2</i>
16	31501849	A	T	<i>SLC5A2</i>
16	31503367	G	C	<i>C16orf58</i>
16	31539927	A	T	<i>AHSP</i>
16	31765105	C	T	<i>ZNF720</i>
16	31925986	T	C	<i>ZNF267</i>
16	31926619	G	A	<i>ZNF267</i>
16	31927308	G	A	<i>ZNF267</i>
16	46615705	A	G	<i>SHCBP1</i>
16	46652188	A	G	<i>SHCBP1</i>
16	46652227	G	C	<i>SHCBP1</i>
16	46755060	T	C	<i>MYLK3</i>

16	46773999	C	A	MYLK3
16	47294544	C	A	ITFG1
16	47536996	G	A	PHKB
16	47545670	A	G	PHKB
16	47549436	A	G	PHKB
16	47549473	G	T	PHKB
16	47549492	A	G	PHKB
16	47684830	C	A	PHKB
16	47697618	A	G	PHKB
16	47703150	GAA	-	PHKB
16	47732476	C	T	PHKB
16	48117659	A	T	ABCC12
16	48121900	T	G	ABCC12
16	48125078	T	C	ABCC12
16	48130781	C	T	ABCC12
16	48134856	T	A	ABCC12
16	48139174	A	G	ABCC12
16	48145742	T	A	ABCC12
16	48149426	AG	-	ABCC12
16	48167657	C	T	ABCC12
16	48174765	C	A	ABCC12
16	48175235	G	T	ABCC12
16	48180311	T	G	ABCC12
16	48201432	T	C	ABCC11
16	48204078	T	A	ABCC11
16	48204130	C	T	ABCC11
16	48218416	C	T	ABCC11
16	48221232	G	C	ABCC11
16	48232179	T	C	ABCC11
16	48234327	C	T	ABCC11
16	48234381	G	A	ABCC11
16	48242379	G	A	ABCC11
16	48250026	G	T	ABCC11
16	48250140	G	A	ABCC11
16	48261815	C	T	ABCC11
16	48265777	C	T	ABCC11
16	48303929	C	T	LONP2
16	48303930	G	A	LONP2
16	48577065	C	T	N4BP1
16	49411724	G	A	C16orf78
16	49430501	C	T	C16orf78
16	49669923	G	A	ZNF423
16	49671177	T	C	ZNF423

16	50112794	G	T	HEATR3
16	50118063	G	C	HEATR3
16	50118125	G	A	HEATR3
16	50136320	G	C	HEATR3
16	50138853	C	A	HEATR3
16	50261807	GGG	-	PAPD5
16	50263152	A	T	PAPD5
16	50335074	C	A	ADCY7
16	50338341	C	T	ADCY7
16	50341036	G	A	ADCY7
16	50741791	C	T	NOD2
16	50744688	A	G	NOD2
16	50745114	C	T	NOD2
16	50745825	C	T	NOD2
16	50746086	C	T	NOD2
16	50746194	G	A	NOD2
16	50746199	G	A	NOD2
16	50750810	A	G	NOD2
16	50750842	A	G	NOD2
16	50756540	G	C	NOD2
16	50757276	G	A	NOD2
16	50763778	-	C	NOD2
16	51171126	T	C	SALL1
16	51171175	C	T	SALL1
16	51171204	C	T	SALL1
16	51174229	G	A	SALL1
16	51175661	T	C	SALL1
16	51175754	C	G	SALL1
16	52473331	G	A	TOX3
16	52473513	TGC	-	TOX3
16	52473515	-	TGC	TOX3
16	52497869	G	A	TOX3
16	52497872	C	T	TOX3
16	53265391	T	C	CHD9
16	53288510	T	G	CHD9
16	53321892	A	G	CHD9
16	53338410	TTC	-	CHD9
16	53341748	T	G	CHD9
16	53341803	A	G	CHD9
16	53481010	A	G	RBL2
16	53495681	A	G	RBL2
16	53499374	G	C	RBL2
16	53504536	A	T	RBL2

16	53528057	C	T	AKTIP
16	53639438	C	T	RPGRIP1L
16	53652991	C	T	RPGRIP1L
16	53653005	G	C	RPGRIP1L
16	53671754	C	T	RPGRIP1L
16	53682940	C	T	RPGRIP1L
16	53682949	C	T	RPGRIP1L
16	53698869	T	C	RPGRIP1L
16	53720436	C	T	RPGRIP1L
16	53860139	G	A	FTO
16	53860253	G	A	FTO
16	53878082	G	A	FTO
16	54318172	C	A	IRX3
16	55518043	G	A	MMP2
16	55559513	G	A	LPCAT2
16	55562359	G	A	LPCAT2
16	55562466	G	A	LPCAT2
16	55601329	C	T	CAPNS2
16	55613052	C	T	LPCAT2
16	55690627	C	A	SLC6A2
16	55703498	C	T	SLC6A2
16	55705838	G	A	SLC6A2
16	55719143	G	A	SLC6A2
16	55853498	G	C	CES1
16	55853545	C	A	CES1
16	55855413	C	G	CES1
16	55880480	A	C	CES5A
16	55903640	G	A	CES5A
16	55905676	C	T	CES5A
16	55905677	T	-	CES5A
16	55907811	C	T	CES5A
16	56500132	C	T	OGFOD1
16	56545175	T	C	BBS2
16	56548501	C	T	BBS2
16	56601720	A	G	MT4
16	56601722	T	C	MT4
16	56602798	G	A	MT4
16	56868657	T	G	NUP93
16	56899184	G	C	SLC12A3
16	56901062	G	C	SLC12A3
16	56904587	C	G	SLC12A3
16	56906568	C	T	SLC12A3
16	56919216	A	G	SLC12A3

16	56921879	G	A	SLC12A3
16	56926915	T	A	SLC12A3
16	56933519	G	A	SLC12A3
16	56936319	C	T	SLC12A3
16	56969148	G	A	HERPUD1
16	57009022	G	A	CETP
16	57015091	G	C	CETP
16	57016092	G	A	CETP
16	57017319	G	A	CETP
16	57059427	C	T	NLRC5
16	57059484	C	T	NLRC5
16	57059910	CTGC	-	NLRC5
16	57060009	C	T	NLRC5
16	57067541	G	A	NLRC5
16	57068106	A	G	NLRC5
16	57071114	A	G	NLRC5
16	57080528	C	A	NLRC5
16	57091999	G	A	NLRC5
16	57093436	G	T	NLRC5
16	57100493	G	A	NLRC5
16	57101340	T	C	NLRC5
16	57113168	G	A	NLRC5
16	57283730	G	A	ARL2BP
16	57290926	C	T	PLL
16	57392733	A	C	CCL22
16	57394393	T	C	CCL22
16	57413660	C	T	CX3CL1
16	57449687	G	A	CCL17
16	57486732	G	-	COQ9
16	57493591	C	T	COQ9
16	57493600	G	A	COQ9
16	57601982	G	C	ADGRG5
16	57602001	G	A	ADGRG5
16	57689385	C	G	ADGRG1
16	57689386	G	C	ADGRG1
16	57689805	A	C	ADGRG1
16	57691387	G	A	ADGRG1
16	57693498	T	C	ADGRG1
16	57710156	C	T	ADGRG3
16	57718325	G	A	ADGRG3
16	57719692	C	T	ADGRG3
16	57732012	G	A	DRC7
16	57735900	G	C	DRC7

16	57738810	T	A	<i>DRC7</i>
16	57756643	C	T	<i>DRC7</i>
16	57758673	C	T	<i>DRC7</i>
16	57758727	T	C	<i>DRC7</i>
16	57760753	A	G	<i>DRC7</i>
16	57762401	T	C	<i>DRC7</i>
16	57764937	C	G	<i>DRC7</i>
16	57764957	C	T	<i>DRC7</i>
16	57787362	C	T	<i>KATNB1</i>
16	57789053	C	G	<i>KATNB1</i>
16	57789088	C	T	<i>KATNB1</i>
16	57789091	G	T	<i>KATNB1</i>
16	57789092	C	T	<i>KATNB1</i>
16	57935275	T	A	<i>CNGB1</i>
16	57935442	G	A	<i>CNGB1</i>
16	57935470	C	T	<i>CNGB1</i>
16	57937773	C	T	<i>CNGB1</i>
16	57937788	T	C	<i>CNGB1</i>
16	57949224	G	T	<i>CNGB1</i>
16	57950041	G	A	<i>CNGB1</i>
16	57957216	A	G	<i>CNGB1</i>
16	58019396	G	A	<i>TEPP</i>
16	58030656	C	A	<i>ZNF319</i>
16	58054099	C	G	<i>USB1</i>
16	58071511	G	A	<i>MMP15</i>
16	58075613	C	T	<i>MMP15</i>
16	58079078	C	T	<i>MMP15</i>
16	58079127	A	G	<i>MMP15</i>
16	58079165	G	A	<i>MMP15</i>
16	58287973	A	T	<i>CCDC113</i>
16	58314598	C	T	<i>PRSS54</i>
16	58318562	G	C	<i>PRSS54</i>
16	58318604	T	C	<i>PRSS54</i>
16	58537691	C	T	<i>NDRG4</i>
16	58537777	A	G	<i>NDRG4</i>
16	58552025	-	A	<i>SETD6</i>
16	58552845	C	T	<i>SETD6</i>
16	58577400	A	C	<i>CNOT1</i>
16	58616997	C	T	<i>CNOT1</i>
16	58701316	G	A	<i>SLC38A7</i>
16	58713894	A	G	<i>SLC38A7</i>
16	58743454	A	C	<i>GOT2</i>
16	58752137	C	T	<i>GOT2</i>

16	61687915	C	T	<i>CDH8</i>
16	61687916	G	A	<i>CDH8</i>
16	61851413	C	T	<i>CDH8</i>
16	65016087	A	C	<i>CDH11</i>
16	65016165	C	G	<i>CDH11</i>
16	65025718	G	A	<i>CDH11</i>
16	66426144	G	A	<i>CDH5</i>
16	66432381	T	C	<i>CDH5</i>
16	66432423	T	C	<i>CDH5</i>
16	66436720	G	A	<i>CDH5</i>
16	66436722	G	A	<i>CDH5</i>
16	66436735	C	T	<i>CDH5</i>
16	66614008	T	C	<i>CMTM2</i>
16	66656053	C	T	<i>CMTM4</i>
16	66670457	T	C	<i>CMTM4</i>
16	66788947	G	A	<i>CCDC79</i>
16	66792714	T	C	<i>CCDC79</i>
16	66819730	C	T	<i>CCDC79</i>
16	66880957	A	T	<i>CA7</i>
16	66919667	G	A	<i>PDP2</i>
16	66945947	C	T	<i>CDH16</i>
16	66948130	G	A	<i>CDH16</i>
16	66951619	T	G	<i>CDH16</i>
16	66997491	G	A	<i>CES3</i>
16	66997756	T	C	<i>CES3</i>
16	66998370	C	T	<i>CES3</i>
16	66998390	G	A	<i>CES3</i>
16	67003618	C	T	<i>CES3</i>
16	67037054	A	C	<i>CES4A</i>
16	67144115	G	A	<i>C16orf70</i>
16	67166731	G	A	<i>C16orf70</i>
16	67180198	A	C	<i>C16orf70</i>
16	67208109	G	C	<i>NOL3</i>
16	67208257	T	C	<i>NOL3</i>
16	67208714	-	A	<i>NOL3</i>
16	67218810	T	C	<i>EXOC3L1</i>
16	67219107	G	C	<i>EXOC3L1</i>
16	67220231	G	A	<i>EXOC3L1</i>
16	67220499	T	C	<i>EXOC3L1</i>
16	67220741	G	C	<i>EXOC3L1</i>
16	67221444	G	C	<i>EXOC3L1</i>
16	67222828	A	T	<i>EXOC3L1</i>
16	67222999	G	A	<i>EXOC3L1</i>

16	67223003	G	A	EXOC3L1
16	67233243	G	A	ELMO3
16	67233266	A	C	ELMO3
16	67234134	A	G	ELMO3
16	67235477	G	A	ELMO3
16	67235672	C	T	ELMO3
16	67236109	A	T	ELMO3
16	67241930	C	T	LRRC29
16	67244075	C	T	LRRC29
16	67264621	C	T	FHOD1
16	67268008	G	A	FHOD1
16	67272119	C	T	FHOD1
16	67273254	A	G	FHOD1
16	67292313	G	A	SLC9A5
16	67315038	G	C	PLEKHG4
16	67318242	A	G	PLEKHG4
16	67318247	C	G	PLEKHG4
16	67318814	C	T	PLEKHG4
16	67319264	A	G	PLEKHG4
16	67320223	G	A	PLEKHG4
16	67322118	G	C	PLEKHG4
16	67325711	C	T	KCTD19
16	67327544	-	GCTCCA	KCTD19
16	67327642	C	T	KCTD19
16	67328560	CTT	-	KCTD19
16	67338357	A	T	KCTD19
16	67381383	G	C	LRRC36
16	67397580	G	C	LRRC36
16	67409180	G	A	LRRC36
16	67412588	G	A	LRRC36
16	67418957	A	G	LRRC36
16	67434917	C	T	ZDHHC1
16	67434947	C	T	ZDHHC1
16	67516945	C	T	AGRP
16	67572934	A	G	FAM65A
16	67575421	T	G	FAM65A
16	67578257	C	T	FAM65A
16	67580113	C	T	FAM65A
16	67670682	C	T	CTCF
16	67680806	G	A	RLTPR
16	67685730	A	T	RLTPR
16	67685832	G	A	RLTPR
16	67685900	C	T	RLTPR

16	67686232	AGA	-	<i>RLTPR</i>
16	67691668	A	G	<i>ACD</i>
16	67692863	T	C	<i>ACD</i>
16	67693939	C	T	<i>ACD</i>
16	67694044	C	T	<i>ACD</i>
16	67696365	G	A	<i>PARD6A</i>
16	67697180	C	T	<i>ENKD1</i>
16	67697922	C	T	<i>ENKD1</i>
16	67859098	A	G	<i>TSNAXIP1</i>
16	67859576	G	-	<i>TSNAXIP1</i>
16	67859708	AGG	-	<i>TSNAXIP1</i>
16	67859819	G	C	<i>TSNAXIP1</i>
16	67859955	C	T	<i>TSNAXIP1</i>
16	67860637	C	T	<i>TSNAXIP1</i>
16	67862420	G	A	<i>CENPT</i>
16	67865957	G	A	<i>CENPT</i>
16	67867739	G	T	<i>CENPT</i>
16	67911677	A	G	<i>EDC4</i>
16	67913001	G	A	<i>EDC4</i>
16	67915863	G	T	<i>EDC4</i>
16	67916165	G	A	<i>EDC4</i>
16	67964203	T	C	<i>CTRL</i>
16	67970600	T	G	<i>PSMB10</i>
16	67976320	A	T	<i>LCAT</i>
16	67983745	A	G	<i>SLC12A4</i>
16	67997920	T	C	<i>SLC12A4</i>
16	68021468	G	C	<i>DPEP2</i>
16	68025801	G	C	<i>DPEP2</i>
16	68025998	A	C	<i>DPEP2</i>
16	68056276	A	G	<i>DDX28</i>
16	68265890	A	T	<i>ESRP2</i>
16	68289836	G	A	<i>PLA2G15</i>
16	68330397	A	G	<i>SLC7A6</i>
16	68344696	C	T	<i>SLC7A6OS</i>
16	68398690	C	T	<i>SMPD3</i>
16	68597030	C	T	<i>ZFP90</i>
16	68597330	G	A	<i>ZFP90</i>
16	68713815	A	C	<i>CDH3</i>
16	68714912	G	T	<i>CDH3</i>
16	68718588	G	A	<i>CDH3</i>
16	68719113	G	A	<i>CDH3</i>
16	68719119	T	C	<i>CDH3</i>
16	68721525	G	A	<i>CDH3</i>

16	68721533	G	C	<i>CDH3</i>
16	68732049	A	C	<i>CDH3</i>
16	68772239	C	A	<i>CDH1</i>
16	68855966	G	A	<i>CDH1</i>
16	68894024	G	A	<i>TANGO6</i>
16	68961576	C	T	<i>TANGO6</i>
16	69143816	G	A	<i>HAS3</i>
16	69152282	G	A	<i>HAS3</i>
16	69170741	G	T	<i>UTP4</i>
16	69189792	T	C	<i>UTP4</i>
16	69199289	C	T	<i>UTP4</i>
16	69201050	C	T	<i>UTP4</i>
16	69356562	G	A	<i>VPS4A</i>
16	69364840	G	T	<i>COG8</i>
16	69377350	T	C	<i>TMED6</i>
16	69377470	A	G	<i>TMED6</i>
16	69381705	G	T	<i>TMED6</i>
16	69390938	C	T	<i>TERF2</i>
16	69681107	A	G	<i>NFAT5</i>
16	69725697	T	G	<i>NFAT5</i>
16	69745145	G	A	<i>NQO1</i>
16	69748869	G	A	<i>NQO1</i>
16	69776416	T	C	<i>NOB1</i>
16	69786258	C	G	<i>NOB1</i>
16	69942687	A	G	<i>WWP2</i>
16	69959355	A	G	<i>WWP2</i>
16	70190514	G	A	<i>PDPR</i>
16	70190543	A	G	<i>PDPR</i>
16	70190570	C	T	<i>PDPR</i>
16	70190676	C	T	<i>PDPR</i>
16	70286740	C	T	<i>AARS</i>
16	70287883	T	C	<i>AARS</i>
16	70289732	G	A	<i>AARS</i>
16	70295047	G	A	<i>AARS</i>
16	70304215	G	A	<i>AARS</i>
16	70358495	A	G	<i>DDX19B</i>
16	70398987	A	G	<i>DDX19A</i>
16	70500809	G	A	<i>FUK</i>
16	70502771	T	A	<i>FUK</i>
16	70503095	A	G	<i>FUK</i>
16	70508544	C	T	<i>FUK</i>
16	70508851	A	G	<i>FUK</i>
16	70512234	C	T	<i>FUK</i>

16	70512235	G	A	<i>FUK</i>
16	70512349	G	A	<i>FUK</i>
16	70515743	T	C	<i>COG4</i>
16	70517824	G	T	<i>COG4</i>
16	70546288	G	A	<i>COG4</i>
16	70548297	G	A	<i>COG4</i>
16	70572328	A	G	<i>SF3B3</i>
16	70602219	A	G	<i>SF3B3</i>
16	70602955	C	T	<i>SF3B3</i>
16	70688459	G	C	<i>IL34</i>
16	70690511	T	C	<i>IL34</i>
16	70690989	G	C	<i>IL34</i>
16	70694000	C	A	<i>IL34</i>
16	70697927	C	G	<i>MTSS1L</i>
16	70732653	G	A	<i>VAC14</i>
16	70819670	T	C	<i>VAC14</i>
16	70843712	G	A	<i>HYDIN</i>
16	70897063	G	A	<i>HYDIN</i>
16	70908728	T	C	<i>HYDIN</i>
16	70928377	G	A	<i>HYDIN</i>
16	70954605	CCCTTCGTGGT-		<i>HYDIN</i>
16	70954622	C	-	<i>HYDIN</i>
16	70975662	C	A	<i>HYDIN</i>
16	71054116	T	C	<i>HYDIN</i>
16	71101200	T	C	<i>HYDIN</i>
16	71163613	G	A	<i>HYDIN</i>
16	71220668	C	T	<i>HYDIN</i>
16	71220755	A	G	<i>HYDIN</i>
16	71220794	G	T	<i>HYDIN</i>
16	71220807	-	T	<i>HYDIN</i>
16	71318001	G	T	<i>CMTR2</i>
16	71319646	G	A	<i>CMTR2</i>
16	71411636	G	A	<i>CALB2</i>
16	71418717	C	T	<i>CALB2</i>
16	71483497	C	G	<i>ZNF23</i>
16	71487206	T	C	<i>ZNF23</i>
16	71509796	C	G	<i>ZNF19</i>
16	71570847	G	A	<i>CHST4</i>
16	71571658	C	T	<i>CHST4</i>
16	71610276	G	A	<i>TAT</i>
16	71660404	G	A	<i>MARVELD3</i>
16	71674405	T	A	<i>MARVELD3</i>
16	71683718	A	G	<i>PHLPP2</i>

16	71686754	C	T	<i>PHLPP2</i>
16	71686790	C	T	<i>PHLPP2</i>
16	71690493	T	C	<i>PHLPP2</i>
16	71703205	T	C	<i>PHLPP2</i>
16	71718504	T	C	<i>PHLPP2</i>
16	71805089	T	A	<i>AP1G1</i>
16	71884209	C	A	<i>ATXN1L</i>
16	71884369	G	T	<i>ATXN1L</i>
16	71885423	A	G	<i>ATXN1L</i>
16	71885433	C	A	<i>ATXN1L</i>
16	71894324	G	A	<i>ZNF821</i>
16	71898924	G	A	<i>ZNF821</i>
16	71956512	ATGCCC	-	<i>IST1</i>
16	71956530	ATGCCT	-	<i>IST1</i>
16	71956535	T	-	<i>IST1</i>
16	72042682	A	C	<i>DHODH</i>
16	72057134	G	A	<i>DHODH</i>
16	72057421	C	T	<i>DHODH</i>
16	72107865	C	T	<i>HPR</i>
16	72108264	G	C	<i>HPR</i>
16	72110781	T	C	<i>HPR</i>
16	72130103	C	G	<i>DHX38</i>
16	72130111	G	A	<i>DHX38</i>
16	72133120	G	A	<i>DHX38</i>
16	72135487	C	T	<i>DHX38</i>
16	72135493	A	C	<i>DHX38</i>
16	72141640	C	T	<i>DHX38</i>
16	72153863	G	A	<i>PMFBP1</i>
16	72156842	T	G	<i>PMFBP1</i>
16	72164240	G	C	<i>PMFBP1</i>
16	72170469	G	A	<i>PMFBP1</i>
16	72184566	C	T	<i>PMFBP1</i>
16	72184596	C	T	<i>PMFBP1</i>
16	72184629	C	T	<i>PMFBP1</i>
16	72821344	G	A	<i>ZFHX3</i>
16	72827874	T	C	<i>ZFHX3</i>
16	72830539	C	G	<i>ZFHX3</i>
16	72831111	G	C	<i>ZFHX3</i>
16	72831132	C	A	<i>ZFHX3</i>
16	72831555	T	C	<i>ZFHX3</i>
16	72831629	G	A	<i>ZFHX3</i>
16	72984595	C	A	<i>ZFHX3</i>
16	72984714	T	C	<i>ZFHX3</i>

16	72992292	C	T	ZFHX3
16	72992316	C	T	ZFHX3
16	72992667	C	G	ZFHX3
16	72992763	T	G	ZFHX3
16	72992910	G	C	ZFHX3
16	72993860	G	A	ZFHX3
16	73161339	G	A	C16orf47
16	73161423	T	A	C16orf47
16	74490581	T	A	GLG1
16	74664743	T	C	RFWD3
16	74695079	G	T	RFWD3
16	74709233	C	A	MLKL
16	74709591	TCTG	-	MLKL
16	74709610	G	A	MLKL
16	74726270	T	G	MLKL
16	74729262	A	G	MLKL
16	74729501	C	G	MLKL
16	74729601	C	T	MLKL
16	74773946	C	T	FA2H
16	74773995	G	C	FA2H
16	74957867	T	C	WDR59
16	75033825	C	G	ZNRF1
16	75200719	G	C	ZFP1
16	75203310	A	G	ZFP1
16	75203906	G	A	ZFP1
16	75238103	C	T	CTRB2
16	75241024	G	C	CTRB2
16	75241026	C	A	CTRB2
16	75268923	G	A	BCAR1
16	75268977	C	T	BCAR1
16	75269325	C	T	BCAR1
16	75485625	C	T	TMEM170A
16	75512734	C	A	CHST6
16	75512751	C	A	CHST6
16	75513071	G	A	CHST6
16	75513243	G	C	CHST6
16	75563330	G	A	CHST5
16	75563352	C	T	CHST5
16	75574052	T	G	TMEM231
16	75575308	C	G	TMEM231
16	75642801	G	A	ADAT1
16	75646576	G	T	ADAT1
16	75646685	G	T	ADAT1

16	75661803	G	C	<i>KARS</i>
16	75663379	T	C	<i>KARS</i>
16	75665146	G	A	<i>KARS</i>
16	75665388	C	T	<i>KARS</i>
16	75669656	A	C	<i>KARS</i>
16	75690204	GAA	-	<i>TERF2IP</i>
16	76482001	A	G	<i>CNTNAP4</i>
16	76482747	C	G	<i>CNTNAP4</i>
16	76513340	C	T	<i>CNTNAP4</i>
16	76532583	A	G	<i>CNTNAP4</i>
16	76555177	A	T	<i>CNTNAP4</i>
16	76587202	T	G	<i>CNTNAP4</i>
16	77225440	G	T	<i>MON1B</i>
16	77232159	C	G	<i>MON1B</i>
16	77245139	T	C	<i>SYCE1L</i>
16	77246091	-	G	<i>SYCE1L</i>
16	77317954	C	T	<i>ADAMTS18</i>
16	77323235	C	G	<i>ADAMTS18</i>
16	77325325	G	T	<i>ADAMTS18</i>
16	77328990	C	A	<i>ADAMTS18</i>
16	77353802	T	G	<i>ADAMTS18</i>
16	77353973	G	T	<i>ADAMTS18</i>
16	77359816	C	T	<i>ADAMTS18</i>
16	77359919	A	T	<i>ADAMTS18</i>
16	77401479	G	A	<i>ADAMTS18</i>
16	77401545	A	G	<i>ADAMTS18</i>
16	77465249	C	G	<i>ADAMTS18</i>
16	77759403	T	A	<i>NUDT7</i>
16	77775617	G	A	<i>NUDT7</i>
16	77775672	A	G	<i>NUDT7</i>
16	78056601	A	C	<i>CLEC3A</i>
16	78062057	G	C	<i>CLEC3A</i>
16	78148935	C	T	<i>WWOX</i>
16	78312527	A	G	<i>WWOX</i>
16	78420775	G	A	<i>WWOX</i>
16	78458807	C	G	<i>WWOX</i>
16	78466409	G	T	<i>WWOX</i>
16	78466437	C	G	<i>WWOX</i>
16	79245686	C	A	<i>WWOX</i>
16	80667017	T	C	<i>CDYL2</i>
16	80718468	C	T	<i>CDYL2</i>
16	80718881	C	A	<i>CDYL2</i>
16	81010065	G	C	<i>CMC2</i>

16	81010073	C	T	<i>CMC2</i>
16	81058354	A	G	<i>CENPN</i>
16	81060197	C	T	<i>CENPN</i>
16	81061827	G	A	<i>CENPN</i>
16	81076066	G	A	<i>ATMIN</i>
16	81076821	T	C	<i>ATMIN</i>
16	81078081	A	G	<i>ATMIN</i>
16	81087679	C	G	<i>C16orf46</i>
16	81094792	G	A	<i>C16orf46</i>
16	81094885	T	C	<i>C16orf46</i>
16	81094951	A	G	<i>C16orf46</i>
16	81095091	A	G	<i>C16orf46</i>
16	81097373	A	G	<i>C16orf46</i>
16	81204576	C	T	<i>PKD1L2</i>
16	81208348	G	T	<i>PKD1L2</i>
16	81208473	G	T	<i>PKD1L2</i>
16	81208515	G	A	<i>PKD1L2</i>
16	81209247	C	T	<i>PKD1L2</i>
16	81209298	C	G	<i>PKD1L2</i>
16	81209325	G	A	<i>PKD1L2</i>
16	81211496	C	A	<i>PKD1L2</i>
16	81213280	G	A	<i>PKD1L2</i>
16	81219187	C	T	<i>PKD1L2</i>
16	81224271	C	G	<i>PKD1L2</i>
16	81232564	T	G	<i>PKD1L2</i>
16	81232590	T	C	<i>PKD1L2</i>
16	81232614	G	T	<i>PKD1L2</i>
16	81236214	G	A	<i>PKD1L2</i>
16	81241100	G	C	<i>PKD1L2</i>
16	81242102	G	A	<i>PKD1L2</i>
16	81242107	T	C	<i>PKD1L2</i>
16	81242149	TT	-	<i>PKD1L2</i>
16	81242194	T	C	<i>PKD1L2</i>
16	81242198	G	A	<i>PKD1L2</i>
16	81248716	C	T	<i>PKD1L2</i>
16	81248745	A	G	<i>PKD1L2</i>
16	81249888	G	A	<i>PKD1L2</i>
16	81249919	C	T	<i>PKD1L2</i>
16	81249927	C	T	<i>PKD1L2</i>
16	81249954	T	A	<i>PKD1L2</i>
16	81253745	C	G	<i>PKD1L2</i>
16	81253759	A	G	<i>PKD1L2</i>
16	81253917	A	G	<i>PKD1L2</i>

16	81298254	C	T	BC01
16	81298282	C	T	BC01
16	81301694	A	T	BC01
16	81303891	T	C	BC01
16	81314496	C	T	BC01
16	81323953	G	C	BC01
16	81399026	C	T	GAN
16	81411091	C	G	GAN
16	81819676	A	T	PLCG2
16	81916912	A	G	PLCG2
16	81922781	A	T	PLCG2
16	81922813	C	T	PLCG2
16	81925132	C	T	PLCG2
16	81939089	T	C	PLCG2
16	81942028	C	G	PLCG2
16	81944250	C	T	PLCG2
16	81946278	A	G	PLCG2
16	81957106	A	G	PLCG2
16	82032734	AGA	-	SDR42E1
16	82033255	C	T	SDR42E1
16	82033612	T	C	SDR42E1
16	82034435	C	G	SDR42E1
16	82034460	C	T	SDR42E1
16	82124518	A	G	HSD17B2
16	82182418	T	C	MPHOSPH6
16	82892037	A	G	CDH13
16	83065791	G	A	CDH13
16	83065794	G	C	CDH13
16	83704419	G	A	CDH13
16	83813644	A	G	CDH13
16	83816871	T	G	CDH13
16	83948656	G	T	MLYCD
16	83991313	A	C	OSGIN1
16	83992895	A	G	OSGIN1
16	83994249	C	G	OSGIN1
16	83999548	T	C	OSGIN1
16	83999565	G	A	OSGIN1
16	84028264	G	A	NECAB2
16	84030864	G	A	NECAB2
16	84031884	G	C	NECAB2
16	84035446	C	G	NECAB2
16	84063130	C	G	SLC38A8
16	84096985	T	C	MBTPS1

16	84135372	A	G	<i>MBTPS1</i>
16	84158248	G	C	<i>HSDL1</i>
16	84188375	C	G	<i>DNAAF1</i>
16	84199444	C	G	<i>DNAAF1</i>
16	84203595	C	G	<i>DNAAF1</i>
16	84203612	A	G	<i>DNAAF1</i>
16	84203621	G	T	<i>DNAAF1</i>
16	84203730	G	C	<i>DNAAF1</i>
16	84203929	C	A	<i>DNAAF1</i>
16	84203939	C	T	<i>DNAAF1</i>
16	84208294	A	T	<i>DNAAF1</i>
16	84209609	C	T	<i>DNAAF1</i>
16	84209738	T	C	<i>DNAAF1</i>
16	84209815	C	G	<i>DNAAF1</i>
16	84209816	T	C	<i>DNAAF1</i>
16	84212710	C	T	<i>TAF1C</i>
16	84212875	G	A	<i>TAF1C</i>
16	84213211	G	A	<i>TAF1C</i>
16	84213254	C	T	<i>TAF1C</i>
16	84213434	A	T	<i>TAF1C</i>
16	84213439	G	A	<i>TAF1C</i>
16	84215011	G	A	<i>TAF1C</i>
16	84215434	C	T	<i>TAF1C</i>
16	84215475	G	A	<i>TAF1C</i>
16	84215867	C	T	<i>TAF1C</i>
16	84215868	C	T	<i>TAF1C</i>
16	84227713	C	T	<i>ADAD2</i>
16	84227786	T	C	<i>ADAD2</i>
16	84227823	G	T	<i>ADAD2</i>
16	84228770	G	C	<i>ADAD2</i>
16	84230332	A	G	<i>ADAD2</i>
16	84256103	C	T	<i>KCNG4</i>
16	84256410	C	T	<i>KCNG4</i>
16	84256422	C	T	<i>KCNG4</i>
16	84270476	G	A	<i>KCNG4</i>
16	84270743	G	A	<i>KCNG4</i>
16	84328590	G	A	<i>WFDC1</i>
16	84351952	G	A	<i>WFDC1</i>
16	84358031	G	A	<i>WFDC1</i>
16	84360533	A	G	<i>WFDC1</i>
16	84402319	T	C	<i>ATP2C2</i>
16	84438759	A	T	<i>ATP2C2</i>
16	84438827	G	A	<i>ATP2C2</i>

16	84444349	A	C	<i>ATP2C2</i>
16	84456032	G	T	<i>ATP2C2</i>
16	84473044	G	A	<i>ATP2C2</i>
16	84485677	T	A	<i>ATP2C2</i>
16	84494315	C	T	<i>ATP2C2</i>
16	84495318	A	C	<i>ATP2C2</i>
16	84495635	G	A	<i>ATP2C2</i>
16	84495648	G	A	<i>ATP2C2</i>
16	84513560	G	A	<i>TLDC1</i>
16	84513562	G	A	<i>TLDC1</i>
16	84513578	C	G	<i>TLDC1</i>
16	84513587	C	T	<i>TLDC1</i>
16	84520396	A	G	<i>TLDC1</i>
16	84520416	C	A	<i>TLDC1</i>
16	84520428	G	C	<i>TLDC1</i>
16	84520450	G	C	<i>TLDC1</i>
16	84523025	T	C	<i>TLDC1</i>
16	84529382	G	C	<i>TLDC1</i>
16	84531664	C	A	<i>TLDC1</i>
16	84691434	G	A	<i>KLHL36</i>
16	84879464	A	G	<i>CRISPLD2</i>
16	84883063	C	A	<i>CRISPLD2</i>
16	84900577	C	G	<i>CRISPLD2</i>
16	84902483	A	T	<i>CRISPLD2</i>
16	84906098	C	G	<i>CRISPLD2</i>
16	84906707	G	A	<i>CRISPLD2</i>
16	84914177	A	G	<i>CRISPLD2</i>
16	85022409	A	C	<i>ZDHHC7</i>
16	85141504	A	C	<i>FAM92B</i>
16	85143924	C	T	<i>FAM92B</i>
16	85667528	C	T	<i>GSE1</i>
16	85695078	C	T	<i>GSE1</i>
16	85695279	C	T	<i>GSE1</i>
16	85696635	A	T	<i>GSE1</i>
16	85743820	G	A	<i>C16orf74</i>
16	85743839	CGTCCAGGTG(-		<i>C16orf74</i>
16	85952280	G	A	<i>IRF8</i>
16	86565946	C	T	<i>MTHFSD</i>
16	86585743	G	C	<i>MTHFSD</i>
16	86588318	C	T	<i>MTHFSD</i>
16	86602272	A	G	<i>FOXC2</i>
16	86613143	G	A	<i>FOXL1</i>
16	86613302	CTCGGGATCCC(-		<i>FOXL1</i>

16	86613305	G	-	FOXL1
16	86613310	C	-	FOXL1
16	87367708	C	T	FBX031
16	87432453	G	C	MAP1LC3B
16	87454310	A	G	ZCCHC14
16	87493737	T	C	ZCCHC14
16	87677887	G	A	JPH3
16	87678038	C	A	JPH3
16	87678107	G	C	JPH3
16	87678514	G	A	JPH3
16	87723834	C	G	JPH3
16	87723932	C	T	JPH3
16	87741998	C	T	KLHDC4
16	87742004	C	G	KLHDC4
16	87760445	T	C	KLHDC4
16	87782322	G	C	KLHDC4
16	87788864	G	A	KLHDC4
16	87790070	G	C	KLHDC4
16	87795580	G	C	KLHDC4
16	87885387	C	T	SLC7A5
16	87969919	G	T	CA5A
16	87969922	A	T	CA5A
16	88494603	G	T	ZNF469
16	88494966	C	T	ZNF469
16	88495487	G	A	ZNF469
16	88495493	A	T	ZNF469
16	88495575	C	T	ZNF469
16	88495872	C	T	ZNF469
16	88495913	G	A	ZNF469
16	88496046	G	C	ZNF469
16	88497651	C	A	ZNF469
16	88498299	C	T	ZNF469
16	88498884	C	T	ZNF469
16	88499426	C	A	ZNF469
16	88500348	G	A	ZNF469
16	88500957	C	T	ZNF469
16	88501145	C	A	ZNF469
16	88501386	C	A	ZNF469
16	88501553	A	G	ZNF469
16	88501971	T	A	ZNF469
16	88502090	G	A	ZNF469
16	88502208	A	T	ZNF469
16	88502583	C	T	ZNF469

16	88502972	CTTCCCGGGA-		ZNF469
16	88504205	G	C	ZNF469
16	88504206	G	C	ZNF469
16	88504578	G	A	ZNF469
16	88504766	C	T	ZNF469
16	88504850	G	C	ZNF469
16	88504853	G	A	ZNF469
16	88505081	A	G	ZNF469
16	88505303	G	A	ZNF469
16	88505536	G	C	ZNF469
16	88552370	A	G	ZFPM1
16	88552442	C	A	ZFPM1
16	88594540	GAA	-	ZFPM1
16	88643620	G	C	ZC3H18
16	88643653	C	T	ZC3H18
16	88643695	C	T	ZC3H18
16	88677710	AGCGCG	-	ZC3H18
16	88677721	GAGCGG	-	ZC3H18
16	88689638	G	A	ZC3H18
16	88694174	G	-	ZC3H18
16	88694174	GACCAG	-	ZC3H18
16	88696899	G	A	ZC3H18
16	88706362	G	A	IL17C
16	88713236	A	G	CYBA
16	88719760	G	A	MVD
16	88744951	C	T	SNAI3
16	88776402	G	A	CTU2
16	88779132	C	T	CTU2
16	88779187	C	T	CTU2
16	88779739	A	G	CTU2
16	88780175	G	A	CTU2
16	88780635	GGTGTG	-	CTU2
16	88780635	-	GTGT	CTU2
16	88780636	GTGTGGGTGT	-	CTU2
16	88780820	G	A	CTU2
16	88781040	A	G	CTU2
16	88781073	G	A	CTU2
16	88781082	C	T	CTU2
16	88781091	G	C	CTU2
16	88781614	G	C	CTU2
16	88782050	G	A	PIEZO1
16	88782074	T	C	PIEZO1
16	88782205	G	C	PIEZO1

16	88783100	T	C	PIEZO1
16	88786328	C	T	PIEZO1
16	88787673	G	A	PIEZO1
16	88787727	C	T	PIEZO1
16	88787781	C	T	PIEZO1
16	88789333	C	T	PIEZO1
16	88789666	-	CCTGCT	PIEZO1
16	88789709	C	T	PIEZO1
16	88790362	A	G	PIEZO1
16	88791458	G	A	PIEZO1
16	88793155	C	T	PIEZO1
16	88800060	C	T	PIEZO1
16	88800074	C	G	PIEZO1
16	88801443	G	A	PIEZO1
16	88801621	G	A	PIEZO1
16	88870972	C	T	CDT1
16	88871972	G	A	CDT1
16	88872145	T	C	CDT1
16	88872229	A	G	CDT1
16	88873824	C	G	CDT1
16	88874676	A	T	CDT1
16	88889114	A	G	GALNS
16	88891240	C	A	GALNS
16	88893122	C	T	GALNS
16	88902199	G	C	GALNS
16	88904097	A	C	GALNS
16	88909159	G	T	GALNS
16	88925112	A	G	TRAPPC2L
16	88926081	G	A	TRAPPC2L
16	88930705	G	C	PABPN1L
16	88930739	C	T	PABPN1L
16	88931274	C	T	PABPN1L
16	88931491	G	A	PABPN1L
16	88932857	T	C	PABPN1L
16	88943542	C	T	CBFA2T3
16	88947735	G	A	CBFA2T3
16	88947780	C	T	CBFA2T3
16	88951594	C	T	CBFA2T3
16	88964557	C	G	CBFA2T3
16	89211714	G	A	ACSF3
16	89220556	C	T	ACSF3
16	89245890	G	T	CDH15
16	89251676	G	A	CDH15

16	89261482	C	A	<i>CDH15</i>
16	89288548	A	G	<i>ZNF778</i>
16	89293271	A	C	<i>ZNF778</i>
16	89293291	G	A	<i>ZNF778</i>
16	89293291	G	T	<i>ZNF778</i>
16	89293354	A	G	<i>ZNF778</i>
16	89293369	C	G	<i>ZNF778</i>
16	89293501	G	A	<i>ZNF778</i>
16	89293525	G	A	<i>ZNF778</i>
16	89293592	G	A	<i>ZNF778</i>
16	89293730	C	T	<i>ZNF778</i>
16	89294044	A	G	<i>ZNF778</i>
16	89294381	T	C	<i>ZNF778</i>
16	89294439	G	T	<i>ZNF778</i>
16	89294798	A	G	<i>ZNF778</i>
16	89294827	A	G	<i>ZNF778</i>
16	89347612	C	T	<i>ANKRD11</i>
16	89350431	C	T	<i>ANKRD11</i>
16	89350911	G	C	<i>ANKRD11</i>
16	89351098	C	T	<i>ANKRD11</i>
16	89352449	G	A	<i>ANKRD11</i>
16	89357543	C	T	<i>ANKRD11</i>
16	89598369	G	A	<i>SPG7</i>
16	89613073	G	A	<i>SPG7</i>
16	89613123	A	G	<i>SPG7</i>
16	89613145	C	T	<i>SPG7</i>
16	89644001	T	C	<i>CPNE7</i>
16	89655120	G	A	<i>CPNE7</i>
16	89704365	G	C	<i>DPEP1</i>
16	89712374	A	C	<i>CHMP1A</i>
16	89712380	G	A	<i>CHMP1A</i>
16	89724755	C	T	<i>SPATA33</i>
16	89753128	C	G	<i>CDK10</i>
16	89762056	G	A	<i>CDK10</i>
16	89762090	G	A	<i>CDK10</i>
16	89764190	C	T	<i>SPATA2L</i>
16	89777078	G	A	<i>VPS9D1</i>
16	89777123	C	T	<i>VPS9D1</i>
16	89782976	C	T	<i>VPS9D1</i>
16	89789073	G	A	<i>ZNF276</i>
16	89789898	T	C	<i>ZNF276</i>
16	89793731	C	T	<i>ZNF276</i>
16	89805301	G	C	<i>FANCA</i>

16	89805914	T	C	FANCA
16	89806477	C	T	FANCA
16	89815152	G	A	FANCA
16	89833576	G	C	FANCA
16	89836323	C	T	FANCA
16	89838086	C	A	FANCA
16	89839766	G	C	FANCA
16	89842176	C	G	FANCA
16	89866043	T	C	FANCA
16	89877386	G	C	FANCA
16	89940232	A	C	TCF25
16	89967044	C	G	TCF25
16	89972604	G	A	TCF25
16	89985750	-	A	MC1R
16	89985799	T	C	MC1R
16	89985844	G	T	MC1R
16	89985918	C	A	MC1R
16	89985940	G	A	MC1R
16	90025640	G	C	DEF8
16	90037882	C	T	CENPBD1
16	90103716	G	A	GAS8
16	90106769	A	G	GAS8
16	90124803	C	A	PRDM7
16	90126993	A	G	PRDM7
16	90130136	C	T	PRDM7
16	90130139	A	G	PRDM7
16	90141355	A	C	PRDM7
17	63683	G	A	RPH3AL
17	69519	T	C	RPH3AL
17	436105	T	C	VPS53
17	505105	T	C	VPS53
17	505129	A	C	VPS53
17	526907	G	T	VPS53
17	644611	G	A	FAM57A
17	648186	G	A	GEMIN4
17	648498	C	T	GEMIN4
17	649037	G	A	GEMIN4
17	649067	A	G	GEMIN4
17	649505	T	A	GEMIN4
17	649547	G	C	GEMIN4
17	649698	T	A	GEMIN4
17	649935	G	C	GEMIN4
17	649947	C	T	GEMIN4

17	650114	G	A	<i>GEMIN4</i>
17	650277	G	A	<i>GEMIN4</i>
17	650510	T	C	<i>GEMIN4</i>
17	651144	C	T	<i>GEMIN4</i>
17	663468	G	T	<i>GLOD4</i>
17	663472	C	A	<i>GLOD4</i>
17	685640	G	T	<i>RNMTL1</i>
17	685752	G	A	<i>RNMTL1</i>
17	694846	A	G	<i>RNMTL1</i>
17	695061	G	A	<i>RNMTL1</i>
17	695062	T	A	<i>RNMTL1</i>
17	708346	G	A	<i>NXN</i>
17	900479	G	C	<i>TIMM22</i>
17	959286	T	C	<i>ABR</i>
17	1012214	G	A	<i>ABR</i>
17	1028676	C	T	<i>ABR</i>
17	1183338	C	T	<i>TUSC5</i>
17	1183347	G	A	<i>TUSC5</i>
17	1183354	T	C	<i>TUSC5</i>
17	1183464	A	G	<i>TUSC5</i>
17	1371393	C	T	<i>MYO1C</i>
17	1372839	C	T	<i>MYO1C</i>
17	1372861	T	G	<i>MYO1C</i>
17	1373518	T	C	<i>MYO1C</i>
17	1373742	G	T	<i>MYO1C</i>
17	1381758	G	A	<i>MYO1C</i>
17	1382987	T	A	<i>MYO1C</i>
17	1383868	C	T	<i>MYO1C</i>
17	1386932	C	T	<i>MYO1C</i>
17	1538083	A	G	<i>SCARF1</i>
17	1538546	C	T	<i>SCARF1</i>
17	1538628	C	G	<i>SCARF1</i>
17	1538669	C	T	<i>SCARF1</i>
17	1538692	C	T	<i>SCARF1</i>
17	1538714	T	G	<i>SCARF1</i>
17	1540027	C	T	<i>SCARF1</i>
17	1540106	G	A	<i>SCARF1</i>
17	1542190	G	A	<i>SCARF1</i>
17	1543934	G	A	<i>SCARF1</i>
17	1548956	-	AGC	<i>SCARF1</i>
17	1551223	C	T	<i>RILP</i>
17	1630208	C	T	<i>WDR81</i>
17	1631341	GAG	-	<i>WDR81</i>

17	1631749	GAG	-	WDR81
17	1631785	G	A	WDR81
17	1636934	A	G	WDR81
17	1636950	C	A	WDR81
17	1637174	G	A	WDR81
17	1648294	C	T	SERPINF2
17	1648502	C	T	SERPINF2
17	1650383	T	A	SERPINF2
17	1657653	G	A	SERPINF2
17	1673263	G	C	SERPINF1
17	1673276	C	T	SERPINF1
17	1673303	C	G	SERPINF1
17	1674434	C	G	SERPINF1
17	1686410	T	C	SMYD4
17	1687707	C	T	SMYD4
17	1690752	G	A	SMYD4
17	1703543	G	C	SMYD4
17	1703982	C	T	SMYD4
17	1704146	T	A	SMYD4
17	1704162	T	C	SMYD4
17	1704296	C	A	SMYD4
17	1715281	G	A	SMYD4
17	1731221	A	G	SMYD4
17	1782952	A	G	RPA1
17	1791991	C	G	RPA1
17	1840677	C	T	RTN4RL1
17	1840917	C	T	RTN4RL1
17	1939892	C	T	DPH1
17	1940232	A	G	DPH1
17	1943099	C	G	DPH1
17	1943818	G	A	DPH1
17	1943880	C	G	DPH1
17	2091765	C	T	SMG6
17	2202323	T	C	SMG6
17	2203025	T	G	SMG6
17	2203167	T	G	SMG6
17	2203175	C	G	SMG6
17	2203223	T	C	SMG6
17	2203527	G	T	SMG6
17	2236404	T	C	TSR1
17	2266799	G	A	SGSM2
17	2268311	G	A	SGSM2
17	2268594	A	G	SGSM2

17	2282779	G	A	SGSM2
17	2323517	C	T	METTL16
17	2600186	G	A	CLUH
17	2883588	C	A	RAP1GAP2
17	2995572	G	A	OR1D2
17	3030582	C	G	OR1G1
17	3030747	G	T	OR1G1
17	3101578	G	T	OR1A2
17	3101590	C	T	OR1A2
17	3119297	G	A	OR1A1
17	3119609	G	A	OR1A1
17	3119611	G	A	OR1A1
17	3119767	C	T	OR1A1
17	3195503	C	T	OR3A1
17	3195599	C	T	OR3A1
17	3195750	T	-	OR3A1
17	3195777	A	T	OR3A1
17	3324720	A	G	OR3A3
17	3336703	T	C	OR1E2
17	3336730	-	GATGGCGGTG	OR1E2
17	3352294	A	G	SPATA22
17	3352309	T	C	SPATA22
17	3352331	C	T	SPATA22
17	3422073	C	T	TRPV3
17	3427581	C	T	TRPV3
17	3433458	G	A	TRPV3
17	3436058	T	C	TRPV3
17	3445867	C	T	TRPV3
17	3446885	T	C	TRPV3
17	3480433	G	C	TRPV1
17	3480447	T	C	TRPV1
17	3483785	T	C	TRPV1
17	3486702	G	A	TRPV1
17	3495391	T	C	TRPV1
17	3514028	G	C	SHPK
17	3514054	T	C	SHPK
17	3526637	C	T	SHPK
17	3527481	G	A	SHPK
17	3550792	C	T	CTNS
17	3563963	C	G	CTNS
17	3567049	A	G	TAX1BP3
17	3582954	C	T	P2RX5
17	3591359	G	A	P2RX5

17	3591933	C	T	P2RX5
17	3593422	C	T	P2RX5
17	3594277	G	-	P2RX5
17	3594990	G	A	P2RX5
17	3599205	A	T	P2RX5
17	3627663	G	A	GSG2
17	3627840	G	A	GSG2
17	3629444	T	C	GSG2
17	3631241	A	G	ITGAE
17	3632821	C	T	ITGAE
17	3632836	G	A	ITGAE
17	3635740	C	G	ITGAE
17	3646872	C	T	ITGAE
17	3655126	C	T	ITGAE
17	3657159	C	T	ITGAE
17	3657175	T	C	ITGAE
17	3661052	G	A	ITGAE
17	3716416	C	G	NCBP3
17	3729129	C	T	NCBP3
17	3749411	T	G	NCBP3
17	3775848	T	C	CAMKK1
17	3833665	C	T	ATP2A3
17	3840797	G	T	ATP2A3
17	3844344	C	T	ATP2A3
17	3844345	G	A	ATP2A3
17	3844423	C	T	ATP2A3
17	3848008	T	C	ATP2A3
17	3926110	C	G	ZZEF1
17	3947533	G	A	ZZEF1
17	3953102	A	G	ZZEF1
17	3954087	G	A	ZZEF1
17	3968064	A	C	ZZEF1
17	3975970	G	A	ZZEF1
17	3989005	G	A	ZZEF1
17	4017695	T	C	ZZEF1
17	4047062	G	A	CYB5D2
17	4060233	G	A	CYB5D2
17	4098747	T	C	ANKFY1
17	4337384	C	T	SPNS3
17	4348380	C	T	SPNS3
17	4348389	C	T	SPNS3
17	4352564	G	A	SPNS3
17	4352636	G	A	SPNS3

17	4356375	G	T	SPNS3
17	4389759	G	C	SPNS3
17	4435911	-	GACCAGCTCGC	SPNS2
17	4437095	G	A	SPNS2
17	4442817	C	T	MYBBP1A
17	4443075	T	A	MYBBP1A
17	4446003	G	A	MYBBP1A
17	4446227	T	G	MYBBP1A
17	4448104	C	T	MYBBP1A
17	4448940	G	A	MYBBP1A
17	4448967	G	A	MYBBP1A
17	4451453	C	T	MYBBP1A
17	4451576	T	C	MYBBP1A
17	4451843	T	C	MYBBP1A
17	4455198	C	T	MYBBP1A
17	4455266	G	T	MYBBP1A
17	4455911	G	A	MYBBP1A
17	4457363	G	C	MYBBP1A
17	4457510	C	G	MYBBP1A
17	4458515	G	T	MYBBP1A
17	4461467	G	A	GGT6
17	4461726	C	T	GGT6
17	4461748	G	A	GGT6
17	4462730	C	A	GGT6
17	4463023	G	A	GGT6
17	4463699	G	A	GGT6
17	4463713	A	G	GGT6
17	4463716	G	A	GGT6
17	4495663	A	G	SMTNL2
17	4496261	C	A	SMTNL2
17	4497137	T	C	SMTNL2
17	4510777	G	A	SMTNL2
17	4535035	G	A	ALOX15
17	4535186	T	C	ALOX15
17	4535299	G	A	ALOX15
17	4535314	G	A	ALOX15
17	4542794	C	G	ALOX15
17	4574751	T	A	PELP1
17	4576234	-	GGCATGGGGC	PELP1
17	4607235	G	A	PELP1
17	4607238	G	C	PELP1
17	4638563	G	A	CXCL16
17	4642627	C	G	CXCL16

17	4642630	C	T	CXCL16
17	4648628	G	A	ZMYND15
17	4688682	G	A	VMO1
17	4689313	G	C	VMO1
17	4700993	C	G	PSMB6
17	4712617	C	T	PLD2
17	4720444	A	G	PLD2
17	4720469	C	T	PLD2
17	4721376	A	G	PLD2
17	4721836	G	C	PLD2
17	4722441	G	A	PLD2
17	4726143	T	G	PLD2
17	4796274	T	C	MINK1
17	4796286	C	T	MINK1
17	4797305	G	A	MINK1
17	4797910	G	A	MINK1
17	4802111	C	G	CHRNE
17	4803426	-	C	C17orf107
17	4803711	G	A	C17orf107
17	4803796	G	T	C17orf107
17	4805239	G	A	CHRNE
17	4806002	A	G	CHRNE
17	4835991	T	C	GP1BA
17	4836105	C	T	GP1BA
17	4836381	C	T	GP1BA
17	4837744	TAATG	-	GP1BA
17	4844242	C	T	RNF167
17	4849267	T	A	PFN1
17	4849268	T	C	PFN1
17	4856376	A	G	ENO3
17	4856580	T	C	ENO3
17	4863328	G	A	SPAG7
17	4875628	A	G	CAMTA2
17	4875702	T	C	CAMTA2
17	4876498	T	G	CAMTA2
17	4883818	C	G	CAMTA2
17	4892176	C	G	INCA1
17	4907294	A	C	KIF1C
17	4908241	G	A	KIF1C
17	4908266	C	G	KIF1C
17	4925475	C	T	KIF1C
17	4925481	C	T	KIF1C
17	4925675	G	A	KIF1C

17	4936898	C	T	SLC52A1
17	4936972	G	A	SLC52A1
17	5036249	G	T	USP6
17	5036272	A	C	USP6
17	5037281	T	C	USP6
17	5042837	C	T	USP6
17	5042894	T	C	USP6
17	5044794	G	A	USP6
17	5058808	G	A	USP6
17	5066289	C	T	USP6
17	5086537	G	A	ZNF594
17	5271763	G	C	RABEP1
17	5289554	T	C	NUP88
17	5291126	T	C	NUP88
17	5326145	C	G	RPAIN
17	5338281	G	A	C1QBP
17	5347788	G	A	DHX33
17	5354204	G	C	DHX33
17	5364393	A	G	DHX33
17	5404062	C	T	LOC728392
17	5418799	G	A	NLRP1
17	5421150	C	T	NLRP1
17	5424906	C	G	NLRP1
17	5424936	C	T	NLRP1
17	5433966	T	C	NLRP1
17	5436263	C	T	NLRP1
17	5437285	G	A	NLRP1
17	5442790	C	T	NLRP1
17	5445243	G	A	NLRP1
17	5456827	C	T	NLRP1
17	5461874	G	C	NLRP1
17	5462913	C	G	NLRP1
17	5463093	C	T	NLRP1
17	5485367	A	T	NLRP1
17	5486122	C	T	NLRP1
17	5984001	T	C	WSCD1
17	5991364	C	T	WSCD1
17	6012979	C	T	WSCD1
17	6021355	G	A	WSCD1
17	6023862	G	A	WSCD1
17	6328929	C	T	AIPL1
17	6328964	C	A	AIPL1
17	6329030	C	A	AIPL1

17	6331702	T	A	<i>AIPL1</i>
17	6331817	C	T	<i>AIPL1</i>
17	6348548	G	A	<i>FAM64A</i>
17	6351015	G	A	<i>FAM64A</i>
17	6367539	G	A	<i>PITPNM3</i>
17	6373665	G	A	<i>PITPNM3</i>
17	6386883	C	T	<i>PITPNM3</i>
17	6441376	G	A	<i>PITPNM3</i>
17	6493198	T	C	<i>KIAA0753</i>
17	6493228	C	T	<i>KIAA0753</i>
17	6511741	T	C	<i>KIAA0753</i>
17	6515283	C	T	<i>KIAA0753</i>
17	6515387	A	G	<i>KIAA0753</i>
17	6515450	G	A	<i>KIAA0753</i>
17	6515454	C	T	<i>KIAA0753</i>
17	6524225	T	C	<i>KIAA0753</i>
17	6531552	A	C	<i>KIAA0753</i>
17	6531919	A	G	<i>KIAA0753</i>
17	6544421	G	A	<i>TXNDC17</i>
17	6663753	A	G	<i>XAF1</i>
17	6683209	A	T	<i>FBXO39</i>
17	6683215	C	T	<i>FBXO39</i>
17	6683264	G	A	<i>FBXO39</i>
17	6683447	G	A	<i>FBXO39</i>
17	6683599	C	T	<i>FBXO39</i>
17	6683684	A	G	<i>FBXO39</i>
17	6683848	T	A	<i>FBXO39</i>
17	6690164	A	G	<i>FBXO39</i>
17	6716242	G	A	<i>TEKT1</i>
17	6716307	C	T	<i>TEKT1</i>
17	6718542	G	A	<i>TEKT1</i>
17	6719202	T	C	<i>TEKT1</i>
17	6901889	A	C	<i>ALOX12</i>
17	6902760	A	G	<i>ALOX12</i>
17	6908625	G	A	<i>ALOX12</i>
17	6913336	C	A	<i>ALOX12</i>
17	6945087	G	T	<i>SLC16A11</i>
17	6946287	T	C	<i>SLC16A11</i>
17	6946330	C	T	<i>SLC16A11</i>
17	6978504	G	A	<i>CLEC10A</i>
17	6980105	G	A	<i>CLEC10A</i>
17	6980273	C	T	<i>CLEC10A</i>
17	6981397	A	G	<i>CLEC10A</i>

17	7012079	C	T	ASGR2
17	7094050	C	T	DLG4
17	7107367	G	A	DLG4
17	7125591	T	C	ACADVL
17	7127019	A	G	ACADVL
17	7128292	G	A	ACADVL
17	7130831	C	T	DVL2
17	7163739	A	G	CLDN7
17	7186877	C	G	SLC2A4
17	7187299	C	T	SLC2A4
17	7188423	G	A	SLC2A4
17	7188459	C	T	SLC2A4
17	7189048	G	A	SLC2A4
17	7220846	T	C	NEURL4
17	7220881	C	T	NEURL4
17	7221197	C	T	NEURL4
17	7224921	C	G	NEURL4
17	7225034	C	T	NEURL4
17	7226101	G	A	NEURL4
17	7226276	G	C	NEURL4
17	7247240	C	T	ACAP1
17	7254315	G	A	ACAP1
17	7259205	G	C	TMEM95
17	7287103	G	A	TNK1
17	7292107	G	A	TNK1
17	7293715	C	T	PLSCR3
17	7307391	C	G	TMEM256
17	7323821	A	G	SPEM1
17	7323980	T	C	SPEM1
17	7324788	G	A	SPEM1
17	7329134	G	A	C17orf74
17	7329632	T	G	C17orf74
17	7330244	G	A	C17orf74
17	7330290	C	T	C17orf74
17	7330307	C	T	C17orf74
17	7330776	G	A	C17orf74
17	7348625	A	G	CHRNA1
17	7365486	T	C	ZBTB4
17	7365863	T	C	ZBTB4
17	7366619	T	C	ZBTB4
17	7366651	C	G	ZBTB4
17	7369534	G	A	ZBTB4
17	7462555	G	A	TNFSF13

17	7466634	GAG	-	SENP3
17	7483295	G	-	CD68
17	7483295	GGACCCACGAC	-	CD68
17	7483302	C	-	CD68
17	7483308	CCACT	-	CD68
17	7483319	C	-	CD68
17	7484101	C	A	CD68
17	7484782	G	A	CD68
17	7484812	G	A	CD68
17	7490531	C	T	MPDU1
17	7490810	G	A	MPDU1
17	7495219	T	C	FXR2
17	7496382	C	T	FXR2
17	7529902	G	A	SAT2
17	7536587	G	A	SHBG
17	7579472	G	C	TP53
17	7592168	C	G	WRAP53
17	7606694	C	G	WRAP53
17	7606714	-	G	WRAP53
17	7606722	C	G	WRAP53
17	7637938	A	G	DNAH2
17	7637982	T	A	DNAH2
17	7644167	T	C	DNAH2
17	7662437	C	T	DNAH2
17	7663119	C	T	DNAH2
17	7667348	-	AGTGC	DNAH2
17	7667491	A	G	DNAH2
17	7671351	G	A	DNAH2
17	7673930	A	G	DNAH2
17	7696365	G	A	DNAH2
17	7697645	G	A	DNAH2
17	7701525	G	A	DNAH2
17	7707649	A	T	DNAH2
17	7721995	G	A	DNAH2
17	7733663	C	T	DNAH2
17	7734114	A	C	DNAH2
17	7734476	A	T	DNAH2
17	7735063	T	G	DNAH2
17	7736242	C	G	DNAH2
17	7749954	C	G	KDM6B
17	7749972	G	T	KDM6B
17	7750010	G	C	KDM6B
17	7750936	A	G	KDM6B

17	7752523	A	C	<i>KDM6B</i>
17	7758522	C	T	<i>TMEM88</i>
17	7758851	T	G	<i>TMEM88</i>
17	7760704	A	G	<i>NAA38</i>
17	7761512	C	A	<i>CYB5D1</i>
17	7762832	C	T	<i>CYB5D1</i>
17	7762859	C	T	<i>CYB5D1</i>
17	7792326	C	T	<i>CHD3</i>
17	7797536	G	A	<i>CHD3</i>
17	7832599	T	C	<i>KCNAB3</i>
17	7842880	G	A	<i>CNTR0B</i>
17	7846713	G	A	<i>CNTR0B</i>
17	7847837	A	T	<i>CNTR0B</i>
17	7850976	A	G	<i>CNTR0B</i>
17	7852817	G	A	<i>CNTR0B</i>
17	7910817	C	T	<i>GUCY2D</i>
17	7917279	T	A	<i>GUCY2D</i>
17	7945725	A	G	<i>ALOX15B</i>
17	7948239	C	T	<i>ALOX15B</i>
17	7950265	A	G	<i>ALOX15B</i>
17	7950319	G	A	<i>ALOX15B</i>
17	7950324	C	T	<i>ALOX15B</i>
17	7951819	A	G	<i>ALOX15B</i>
17	7951822	G	A	<i>ALOX15B</i>
17	7951878	A	G	<i>ALOX15B</i>
17	7984203	C	T	<i>ALOX12B</i>
17	7984479	G	A	<i>ALOX12B</i>
17	7999967	A	G	<i>ALOXE3</i>
17	8015486	A	T	<i>ALOXE3</i>
17	8021608	G	C	<i>ALOXE3</i>
17	8021612	C	A	<i>ALOXE3</i>
17	8045714	C	A	<i>PER1</i>
17	8046664	C	T	<i>PER1</i>
17	8046772	C	G	<i>PER1</i>
17	8051031	C	T	<i>PER1</i>
17	8052915	C	T	<i>PER1</i>
17	8053916	G	A	<i>PER1</i>
17	8093136	G	A	<i>BORCS6</i>
17	8093324	C	G	<i>BORCS6</i>
17	8108331	A	G	<i>AURKB</i>
17	8110585	C	T	<i>AURKB</i>
17	8135061	T	C	<i>CTC1</i>
17	8137871	G	A	<i>CTC1</i>

17	8138503	C	T	<i>CTC1</i>
17	8138569	C	G	<i>CTC1</i>
17	8141897	C	G	<i>CTC1</i>
17	8157310	C	T	<i>PFAS</i>
17	8157556	A	G	<i>PFAS</i>
17	8159165	G	A	<i>PFAS</i>
17	8161149	C	T	<i>PFAS</i>
17	8166297	G	A	<i>PFAS</i>
17	8166458	T	A	<i>PFAS</i>
17	8167600	T	C	<i>PFAS</i>
17	8167851	G	A	<i>PFAS</i>
17	8172277	G	T	<i>PFAS</i>
17	8172506	T	G	<i>PFAS</i>
17	8215755	C	T	<i>ARHGEF15</i>
17	8216387	G	C	<i>ARHGEF15</i>
17	8216393	A	C	<i>ARHGEF15</i>
17	8216468	T	C	<i>ARHGEF15</i>
17	8219399	G	C	<i>ARHGEF15</i>
17	8222671	G	A	<i>ARHGEF15</i>
17	8222682	T	C	<i>ARHGEF15</i>
17	8224276	T	C	<i>ARHGEF15</i>
17	8243469	T	C	<i>ODF4</i>
17	8243598	C	T	<i>ODF4</i>
17	8243785	A	G	<i>ODF4</i>
17	8249051	G	A	<i>ODF4</i>
17	8273061	C	G	<i>KRBA2</i>
17	8370327	C	T	<i>NDEL1</i>
17	8402755	T	C	<i>MYH10</i>
17	8409746	G	T	<i>MYH10</i>
17	8413233	G	A	<i>MYH10</i>
17	8638499	G	A	<i>CCDC42</i>
17	8644854	C	T	<i>CCDC42</i>
17	8647015	G	A	<i>CCDC42</i>
17	8661610	C	T	<i>SPDYE4</i>
17	8661684	G	A	<i>SPDYE4</i>
17	8700778	G	A	<i>MFSD6L</i>
17	8701147	G	A	<i>MFSD6L</i>
17	8701168	A	-	<i>MFSD6L</i>
17	8701171	GTA	-	<i>MFSD6L</i>
17	8701174	G	C	<i>MFSD6L</i>
17	8701177	TTG	-	<i>MFSD6L</i>
17	8701244	C	T	<i>MFSD6L</i>
17	8701315	G	A	<i>MFSD6L</i>

17	8701423	A	G	MFSD6L
17	8701799	G	T	MFSD6L
17	8701814	C	T	MFSD6L
17	8784042	G	A	PIK3R5
17	8808174	C	T	PIK3R5
17	9497560	C	T	CFAP52
17	9503481	C	T	CFAP52
17	9511470	G	A	CFAP52
17	9515777	G	A	CFAP52
17	9532069	G	A	CFAP52
17	9631418	C	G	USP43
17	9631730	C	T	USP43
17	9674858	C	T	DHRS7C
17	9676115	C	G	DHRS7C
17	9676134	G	A	DHRS7C
17	9729503	G	C	GLP2R
17	9760828	G	A	GLP2R
17	9763353	C	T	GLP2R
17	9792768	G	A	GLP2R
17	10206595	T	C	MYH13
17	10209778	G	A	MYH13
17	10212961	C	A	MYH13
17	10212964	C	G	MYH13
17	10216063	G	A	MYH13
17	10219097	C	A	MYH13
17	10219113	C	T	MYH13
17	10222462	G	A	MYH13
17	10223697	G	T	MYH13
17	10223714	T	C	MYH13
17	10231253	C	T	MYH13
17	10231268	C	T	MYH13
17	10231335	C	T	MYH13
17	10233717	TCT	-	MYH13
17	10236464	C	T	MYH13
17	10261080	G	A	MYH13
17	10295914	T	G	MYH8
17	10298599	C	T	MYH8
17	10302965	G	A	MYH8
17	10312472	G	A	MYH8
17	10317299	G	A	MYH8
17	10346781	T	C	MYH4
17	10354727	T	G	MYH4
17	10355763	T	C	MYH4

17	10366204	T	C	MYH4
17	10395845	A	T	MYH1
17	10403994	G	A	MYH1
17	10404051	A	G	MYH1
17	10404966	A	G	MYH1
17	10411253	C	T	MYH1
17	10429077	A	G	MYH2
17	10430361	C	T	MYH2
17	10432789	A	C	MYH2
17	10534960	C	T	MYH3
17	10541251	G	A	MYH3
17	10541610	G	A	MYH3
17	10542472	C	T	MYH3
17	10542709	G	A	MYH3
17	10600809	G	C	SCO1
17	10608518	T	G	ADPRM
17	10608529	A	G	ADPRM
17	10614442	A	G	ADPRM
17	10618792	G	C	TMEM220
17	10628422	T	C	TMEM220
17	11166786	G	A	SHISA6
17	11459147	C	T	SHISA6
17	11511480	G	A	DNAH9
17	11543610	A	G	DNAH9
17	11550421	G	A	DNAH9
17	11642231	A	G	DNAH9
17	11650958	G	A	DNAH9
17	11651057	A	G	DNAH9
17	11671913	G	C	DNAH9
17	11672607	G	T	DNAH9
17	11774931	C	T	DNAH9
17	11783471	C	A	DNAH9
17	11787008	A	G	DNAH9
17	11790209	C	T	DNAH9
17	11835331	G	A	DNAH9
17	11840674	C	G	DNAH9
17	11865462	G	A	DNAH9
17	11881498	A	G	ZNF18
17	11881816	GTT	-	ZNF18
17	11894428	G	A	ZNF18
17	12639568	G	A	MYOCD
17	12656546	G	C	MYOCD
17	12666691	C	A	MYOCD

17	12899902	C	T	ELAC2
17	12915009	G	A	ELAC2
17	13504295	C	T	HS3ST3A1
17	13977689	C	A	COX10
17	13980350	G	A	COX10
17	14110294	G	T	COX10
17	15341183	A	C	CDRT4
17	15343524	-	CTT	CDRT4
17	15406197	A	T	TVP23C
17	15496727	T	G	CDRT1
17	15496730	A	G	CDRT1
17	15532147	G	A	TRIM16
17	15554561	C	A	TRIM16
17	15554727	C	T	TRIM16
17	15611486	C	T	ZNF286A
17	15611495	T	C	ZNF286A
17	15611546	A	C	ZNF286A
17	15644506	C	T	TBC1D26
17	15645289	G	A	TBC1D26
17	15878110	CAA	-	ADORA2B
17	15928474	A	G	TTC19
17	15942948	G	A	NCOR1
17	15976868	C	T	NCOR1
17	16004888	C	G	NCOR1
17	16089962	C	T	NCOR1
17	16321032	G	C	TRPV2
17	16347216	G	A	LRRC75A
17	16347325	T	C	LRRC75A
17	16456614	T	G	ZNF287
17	16527530	A	G	ZNF624
17	16527795	C	A	ZNF624
17	16842991	G	A	TNFRSF13B
17	16843084	A	G	TNFRSF13B
17	16843729	G	T	TNFRSF13B
17	16852187	A	G	TNFRSF13B
17	16852282	C	T	TNFRSF13B
17	16852292	-	T	TNFRSF13B
17	17030116	C	T	MPRIP
17	17041350	C	T	MPRIP
17	17050673	G	A	MPRIP
17	17075181	T	-	MPRIP
17	17118598	C	T	FLCN
17	17122436	C	T	FLCN

17	17124815	C	T	<i>FLCN</i>
17	17250197	G	A	<i>NT5M</i>
17	17409560	C	T	<i>PEMT</i>
17	17425631	C	T	<i>PEMT</i>
17	17480322	G	C	<i>PEMT</i>
17	17696531	G	C	<i>RAI1</i>
17	17696755	C	A	<i>RAI1</i>
17	17696872	C	T	<i>RAI1</i>
17	17696987	C	T	<i>RAI1</i>
17	17697404	C	T	<i>RAI1</i>
17	17700038	AGG	-	<i>RAI1</i>
17	17700301	A	G	<i>RAI1</i>
17	17700700	A	G	<i>RAI1</i>
17	17700938	G	A	<i>RAI1</i>
17	17701298	C	T	<i>RAI1</i>
17	17716759	G	A	<i>SREBF1</i>
17	17718592	C	T	<i>SREBF1</i>
17	17720319	C	T	<i>SREBF1</i>
17	17722973	G	A	<i>SREBF1</i>
17	17723595	G	A	<i>SREBF1</i>
17	17766114	C	A	<i>TOM1L2</i>
17	17887186	A	G	<i>DRC3</i>
17	17896205	C	T	<i>DRC3</i>
17	17919397	C	T	<i>DRC3</i>
17	17919414	G	A	<i>DRC3</i>
17	17925164	C	T	<i>ATPAF2</i>
17	17942288	G	C	<i>ATPAF2</i>
17	18003919	G	A	<i>DRG2</i>
17	18003923	C	T	<i>DRG2</i>
17	18023225	C	A	<i>MYO15A</i>
17	18023499	G	A	<i>MYO15A</i>
17	18023748	C	T	<i>MYO15A</i>
17	18023897	G	A	<i>MYO15A</i>
17	18025140	C	A	<i>MYO15A</i>
17	18025247	A	C	<i>MYO15A</i>
17	18025254	C	G	<i>MYO15A</i>
17	18039039	G	T	<i>MYO15A</i>
17	18043906	C	T	<i>MYO15A</i>
17	18045497	T	G	<i>MYO15A</i>
17	18046138	G	A	<i>MYO15A</i>
17	18047189	G	A	<i>MYO15A</i>
17	18051447	C	T	<i>MYO15A</i>
17	18052106	G	A	<i>MYO15A</i>

17	18054051	C	G	MYO15A
17	18057167	A	T	MYO15A
17	18058468	G	A	MYO15A
17	18064722	C	T	MYO15A
17	18067119	A	G	MYO15A
17	18137141	A	G	LLGL1
17	18144853	C	A	LLGL1
17	18145527	C	T	LLGL1
17	18148534	C	T	FLII
17	18149133	A	T	FLII
17	18150088	CTC	-	FLII
17	18155793	T	A	FLII
17	18164475	G	A	MIEF2
17	18188582	A	C	TOP3A
17	18194242	C	T	TOP3A
17	18194248	C	T	TOP3A
17	18198068	C	T	TOP3A
17	18205933	C	T	TOP3A
17	18220101	A	G	SMCR8
17	18220268	A	G	SMCR8
17	18220674	C	T	SMCR8
17	18220761	G	A	SMCR8
17	18220770	G	A	SMCR8
17	18221010	A	G	SMCR8
17	18232096	G	A	SHMT1
17	18243524	T	C	SHMT1
17	18566055	C	T	ZNF286B
17	18675802	C	T	FBXW10
17	18769210	T	G	PRPSAP2
17	18862551	A	T	SLC5A10
17	18874685	-	GGT	FAM83G
17	18874965	C	T	FAM83G
17	18881605	C	A	FAM83G
17	18881970	C	T	FAM83G
17	18907029	A	G	FAM83G
17	18923180	C	T	SLC5A10
17	19216538	C	A	EPN2
17	19232078	T	C	EPN2
17	19237487	A	G	EPN2
17	19247075	G	A	B9D1
17	19285262	G	C	MAPK7
17	19290122	-	AGC	MFAP4
17	19451355	G	A	SLC47A1

17	19451364	C	T	SLC47A1
17	19459205	T	A	SLC47A1
17	19474875	C	T	SLC47A1
17	19552312	C	G	ALDH3A2
17	19552403	A	G	ALDH3A2
17	19575096	C	T	ALDH3A2
17	19584971	C	T	SLC47A2
17	19643699	C	T	ALDH3A1
17	19643789	T	G	ALDH3A1
17	19645938	A	C	ALDH3A1
17	19702831	T	G	ULK2
17	19713740	C	T	ULK2
17	19741877	G	A	ULK2
17	19812541	T	C	AKAP10
17	19861458	C	T	AKAP10
17	19999999	T	G	SPECC1
17	20108239	A	T	SPECC1
17	21081609	C	-	DHRS7B
17	21205561	T	C	MAP2K3
17	21216820	G	A	MAP2K3
17	21318753	C	G	KCNJ12
17	21319003	G	A	KCNJ12
17	21319388	C	T	KCNJ12
17	21319408	G	A	KCNJ12
17	21319411	-	T	KCNJ12
17	25909816	C	T	KSR1
17	25909824	C	T	KSR1
17	25931718	G	C	KSR1
17	25944406	A	G	KSR1
17	25958304	G	A	LGALS9
17	26087106	C	G	NOS2
17	26109102	G	A	NOS2
17	26666692	C	T	TNFAIP1
17	26691321	A	G	SEBOX
17	26691491	CACTGAGGTG	-	SEBOX
17	26694861	G	A	VTN
17	26696680	T	A	VTN
17	26712165	T	C	SARM1
17	26726686	G	A	SLC46A1
17	26727722	A	-	SLC46A1
17	26732092	T	A	SLC46A1
17	26732203	A	T	SLC46A1
17	26851043	T	C	FOXN1

17	26851602	C	T	FOXN1
17	26864302	G	C	FOXN1
17	26881492	C	T	PIGS
17	26888563	G	A	PIGS
17	26905104	T	G	SPAG5
17	26911215	G	T	SPAG5
17	26919183	C	T	SPAG5
17	26919894	C	T	SPAG5
17	26925964	T	C	SPAG5
17	26939666	T	C	SGK494
17	26940279	C	T	SGK494
17	26940588	T	A	SGK494
17	26948488	C	T	KIAA0100
17	26960761	A	G	KIAA0100
17	26961753	C	T	KIAA0100
17	26962431	G	A	KIAA0100
17	26969991	A	C	KIAA0100
17	26970237	C	A	KIAA0100
17	26976071	A	G	SDF2
17	27010340	G	C	SUPT6H
17	27023927	A	T	SUPT6H
17	27031091	C	T	PROCA1
17	27043980	G	A	NARR
17	27061955	G	T	NEK8
17	27085998	T	C	FAM222B
17	27185660	A	G	ERAL1
17	27208326	C	T	FLOT2
17	27225586	A	T	DHRS13
17	27238135	T	C	PHF12
17	27239701	T	G	PHF12
17	27284413	C	T	SEZ6
17	27284443	A	G	SEZ6
17	27286422	C	T	SEZ6
17	27286851	T	C	SEZ6
17	27308971	G	T	SEZ6
17	27413528	T	C	MYO18A
17	27424848	G	A	MYO18A
17	27425854	C	T	MYO18A
17	27437032	G	A	MYO18A
17	27438782	G	A	MYO18A
17	27446423	G	A	MYO18A
17	27447698	C	T	MYO18A
17	27576202	C	T	CRYBA1

17	27577276	G	A	CRYBA1
17	27580775	G	A	CRYBA1
17	27613838	T	C	NUFIP2
17	27614186	A	G	NUFIP2
17	27614402	C	T	NUFIP2
17	27889643	C	T	ABHD15
17	27893545	C	T	ABHD15
17	27893566	A	-	ABHD15
17	27896342	C	G	TP53I13
17	27899662	G	T	TP53I13
17	27957939	C	T	SSH2
17	27957950	C	T	SSH2
17	27958874	T	A	SSH2
17	27959544	G	A	SSH2
17	27959903	G	A	SSH2
17	27963141	T	C	SSH2
17	27963551	G	T	SSH2
17	27963753	T	C	SSH2
17	28120918	G	A	SSH2
17	28268817	G	A	EFCAB5
17	28268857	G	A	EFCAB5
17	28296327	T	G	EFCAB5
17	28320248	T	A	EFCAB5
17	28378221	G	A	EFCAB5
17	28380413	C	G	EFCAB5
17	28405431	G	A	EFCAB5
17	28407223	T	C	EFCAB5
17	28407931	G	T	EFCAB5
17	28407957	C	A	EFCAB5
17	28410008	A	G	EFCAB5
17	28417566	G	A	EFCAB5
17	28417576	G	C	EFCAB5
17	28512039	G	A	NSRP1
17	28548810	C	G	SLC6A4
17	28651840	C	T	TMIGD1
17	28770886	A	G	CPD
17	28783346	A	T	CPD
17	29111368	A	G	CRLF3
17	29161202	A	T	ATAD5
17	29161358	C	T	ATAD5
17	29161503	A	G	ATAD5
17	29161845	G	A	ATAD5
17	29161956	CAATGT	-	ATAD5

17	29161991	G	A	ATAD5
17	29162018	G	A	ATAD5
17	29187463	A	T	ATAD5
17	29205072	T	C	ATAD5
17	29219708	C	T	ATAD5
17	29226228	T	C	TEFM
17	29227513	T	C	TEFM
17	29326155	G	T	RNF135
17	29496957	T	A	NF1
17	29623288	C	T	OMG
17	29645473	C	T	EVI2A
17	29645505	T	C	EVI2A
17	29854861	G	T	RAB11FIP4
17	29855644	G	A	RAB11FIP4
17	30183857	T	C	COPRS
17	30219303	A	C	UTP6
17	30219329	C	T	UTP6
17	30222002	T	C	UTP6
17	30325979	G	A	SUZ12
17	30348713	C	T	LRRC37B
17	30625205	G	A	RHBDL3
17	30692396	G	T	ZNF207
17	30821827	C	T	MYO1D
17	30980871	T	A	MYO1D
17	30986166	C	T	MYO1D
17	30986185	G	A	MYO1D
17	31098168	T	C	MYO1D
17	31322631	G	A	SPACA3
17	31322691	A	G	SPACA3
17	31323899	G	A	SPACA3
17	31324504	A	G	SPACA3
17	32647357	A	T	CCL8
17	32647831	A	C	CCL8
17	32647891	C	A	CCL8
17	32906008	C	G	C17orf102
17	32906038	G	C	C17orf102
17	32906139	C	T	C17orf102
17	32953335	A	C	TMEM132E
17	32957114	G	A	TMEM132E
17	32962050	C	T	TMEM132E
17	32962064	C	A	TMEM132E
17	32963173	C	G	TMEM132E
17	33255068	C	A	CCT6B

17	33269837	C	T	<i>CCT6B</i>
17	33269927	T	C	<i>CCT6B</i>
17	33286664	A	G	<i>CCT6B</i>
17	33288363	C	T	<i>CCT6B</i>
17	33288811	C	G	<i>ZNF830</i>
17	33288882	T	G	<i>ZNF830</i>
17	33289046	G	C	<i>ZNF830</i>
17	33289090	G	A	<i>ZNF830</i>
17	33289585	G	A	<i>ZNF830</i>
17	33329109	C	T	<i>LIG3</i>
17	33443932	T	C	<i>RAD51D</i>
17	33448818	T	C	<i>FNDC8</i>
17	33463462	G	A	<i>NLE1</i>
17	33464864	C	T	<i>NLE1</i>
17	33467022	T	A	<i>NLE1</i>
17	33467052	C	T	<i>NLE1</i>
17	33469114	G	A	<i>NLE1</i>
17	33476001	G	A	<i>UNC45B</i>
17	33491164	A	G	<i>UNC45B</i>
17	33495252	G	A	<i>UNC45B</i>
17	33497222	A	T	<i>UNC45B</i>
17	33592194	C	G	<i>SLFN5</i>
17	33592323	C	G	<i>SLFN5</i>
17	33592591	C	T	<i>SLFN5</i>
17	33592621	C	T	<i>SLFN5</i>
17	33679440	C	T	<i>SLFN11</i>
17	33679943	C	T	<i>SLFN11</i>
17	33689926	T	C	<i>SLFN11</i>
17	33690021	G	C	<i>SLFN11</i>
17	33690466	C	A	<i>SLFN11</i>
17	33690619	G	T	<i>SLFN11</i>
17	33749758	A	G	<i>SLFN12</i>
17	33749919	A	C	<i>SLFN12</i>
17	33771996	G	A	<i>SLFN13</i>
17	33772246	C	T	<i>SLFN13</i>
17	33805150	T	C	<i>SLFN12L</i>
17	33805165	G	A	<i>SLFN12L</i>
17	33805172	A	G	<i>SLFN12L</i>
17	33805180	G	C	<i>SLFN12L</i>
17	33806250	G	A	<i>SLFN12L</i>
17	33806280	A	C	<i>SLFN12L</i>
17	33806842	G	-	<i>SLFN12L</i>
17	33875284	G	A	<i>SLFN14</i>

17	33875688	T	A	SLFN14
17	33880305	T	C	SLFN14
17	33880455	C	G	SLFN14
17	33881631	T	C	SLFN14
17	33881718	G	A	SLFN14
17	33884124	C	T	SLFN14
17	33884688	G	A	SLFN14
17	33884804	T	C	SLFN14
17	34072031	G	A	GAS2L2
17	34072264	G	T	GAS2L2
17	34072898	C	T	GAS2L2
17	34077232	G	A	GAS2L2
17	34079730	C	T	GAS2L2
17	34091040	T	A	C17orf50
17	34091078	C	G	C17orf50
17	34171358	G	A	TAF15
17	34171551	-	GGCTATGGTGC	TAF15
17	34182142	A	C	HEATR9
17	34182341	G	A	HEATR9
17	34186013	G	A	HEATR9
17	34190069	C	A	HEATR9
17	34191815	G	A	HEATR9
17	34195739	T	C	HEATR9
17	34261831	A	G	LYZL6
17	34304605	C	A	CCL16
17	34311387	T	C	CCL14
17	34340284	C	T	CCL23
17	34340325	C	T	CCL23
17	34854280	G	A	MYO19
17	34861135	C	T	MYO19
17	34866690	A	T	MYO19
17	34871721	T	C	MYO19
17	34871802	T	C	MYO19
17	34893326	A	G	PIGW
17	34893655	C	G	PIGW
17	34951458	T	A	DHRS11
17	34958573	C	G	MRM1
17	34958598	G	C	MRM1
17	35300369	G	T	LHX1
17	35310234	G	A	AATF
17	35311114	G	T	AATF
17	35592004	G	C	ACACA
17	35736240	G	A	C17orf78

17	35743010	C	G	<i>C17orf78</i>
17	35746196	G	A	<i>C17orf78</i>
17	35872409	C	T	<i>DUSP14</i>
17	35902503	T	C	<i>SYNRG</i>
17	35902518	G	A	<i>SYNRG</i>
17	35913589	C	T	<i>SYNRG</i>
17	35932057	T	C	<i>SYNRG</i>
17	35937637	T	C	<i>SYNRG</i>
17	35944801	C	T	<i>SYNRG</i>
17	35956391	G	C	<i>SYNRG</i>
17	35981285	A	G	<i>DDX52</i>
17	35984410	T	C	<i>DDX52</i>
17	36104632	C	T	<i>HNF1B</i>
17	36478450	G	T	<i>MRPL45</i>
17	36483477	C	T	<i>GPR179</i>
17	36483522	G	T	<i>GPR179</i>
17	36483889	G	C	<i>GPR179</i>
17	36484564	C	G	<i>GPR179</i>
17	36485146	G	A	<i>GPR179</i>
17	36485571	C	T	<i>GPR179</i>
17	36485605	G	A	<i>GPR179</i>
17	36485772	T	C	<i>GPR179</i>
17	36485998	A	G	<i>GPR179</i>
17	36486004	T	C	<i>GPR179</i>
17	36486802	G	A	<i>GPR179</i>
17	36486848	C	G	<i>GPR179</i>
17	36487039	C	G	<i>GPR179</i>
17	36491083	C	T	<i>GPR179</i>
17	36493548	C	T	<i>GPR179</i>
17	36493586	A	T	<i>GPR179</i>
17	36498982	G	A	<i>GPR179</i>
17	36508420	C	T	<i>SOCS7</i>
17	36508437	G	C	<i>SOCS7</i>
17	36552190	A	G	<i>SOCS7</i>
17	36619176	C	T	<i>ARHGAP23</i>
17	36623183	G	A	<i>ARHGAP23</i>
17	36707480	G	A	<i>SRCIN1</i>
17	36708225	C	T	<i>SRCIN1</i>
17	36708277	C	T	<i>SRCIN1</i>
17	36875827	T	C	<i>MLLT6</i>
17	36889559	C	T	<i>CISD3</i>
17	36909499	A	T	<i>PSMB3</i>
17	36935737	C	T	<i>PIP4K2B</i>

17	36971154	T	C	CWC25
17	36997461	G	A	C17orf98
17	36997503	T	C	C17orf98
17	37093490	C	T	FBXO47
17	37093510	T	C	FBXO47
17	37101380	T	C	FBXO47
17	37243923	G	A	PLXDC1
17	37296025	C	T	PLXDC1
17	37316988	T	C	ARL5C
17	37319029	T	G	ARL5C
17	37319046	G	A	ARL5C
17	37319065	C	T	ARL5C
17	37331645	C	A	CACNB1
17	37342289	C	T	CACNB1
17	37343130	A	G	CACNB1
17	37370522	T	C	STAC2
17	37371246	C	G	STAC2
17	37374188	A	G	STAC2
17	37427083	T	G	FBXL20
17	37564974	G	A	MED1
17	37815304	G	C	STARD3
17	37817254	G	A	STARD3
17	37822174	C	T	TCAP
17	37825998	C	T	PNMT
17	37826013	C	T	PNMT
17	37826316	G	A	PNMT
17	37863309	G	A	ERBB2
17	37879585	A	G	ERBB2
17	37879588	A	G	ERBB2
17	37883141	G	A	ERBB2
17	37884037	C	G	ERBB2
17	37884176	C	A	ERBB2
17	37900378	G	T	GRB7
17	37901539	G	A	GRB7
17	37944519	C	G	IKZF3
17	37985732	G	A	IKZF3
17	38027030	C	G	ZPBP2
17	38028634	G	T	ZPBP2
17	38031648	A	G	ZPBP2
17	38061072	G	C	GSDMB
17	38062196	G	A	GSDMB
17	38062217	C	T	GSDMB
17	38062390	C	T	GSDMB

17	38062503	T	C	GSDMB
17	38064469	T	C	GSDMB
17	38121993	G	A	GSDMA
17	38127835	G	A	GSDMA
17	38131187	C	A	GSDMA
17	38152506	T	C	PSMD3
17	38178679	G	A	MED24
17	38188939	G	A	MED24
17	38250234	T	G	NR1D1
17	38251914	T	G	NR1D1
17	38251933	G	A	NR1D1
17	38251989	G	A	NR1D1
17	38282536	A	G	MSL1
17	38324554	C	T	CASC3
17	38449759	A	G	CDC6
17	38450248	G	A	CDC6
17	38457151	G	A	CDC6
17	38545824	C	A	TOP2A
17	38547868	C	T	TOP2A
17	38552665	C	T	TOP2A
17	38559269	T	A	TOP2A
17	38633854	C	T	TNS4
17	38635981	C	T	TNS4
17	38643441	C	T	TNS4
17	38645077	C	T	TNS4
17	38645125	A	G	TNS4
17	38715186	T	C	CCR7
17	38855772	T	C	KRT24
17	38857446	C	A	KRT24
17	38858135	A	-	KRT24
17	38910115	T	A	KRT25
17	38911327	C	G	KRT25
17	38925270	C	T	KRT26
17	38933388	A	C	KRT27
17	38935812	A	G	KRT27
17	38935876	C	T	KRT27
17	38936587	C	T	KRT27
17	38936659	C	T	KRT27
17	38938591	C	G	KRT27
17	38955961	G	A	KRT28
17	38955991	C	T	KRT28
17	38956007	A	G	KRT28
17	38956045	C	G	KRT28

17	38978536	A	C	KRT10
17	38978581	C	T	KRT10
17	38991003	T	C	TMEM99
17	38991052	T	G	TMEM99
17	39017974	T	C	KRT12
17	39020022	A	G	KRT12
17	39022440	T	C	KRT12
17	39032651	C	T	KRT20
17	39041052	C	T	KRT20
17	39114962	C	T	KRT39
17	39116603	G	T	KRT39
17	39116728	G	A	KRT39
17	39134528	G	A	KRT40
17	39135207	A	G	KRT40
17	39137104	A	G	KRT40
17	39137154	C	G	KRT40
17	39137297	C	T	KRT40
17	39137387	C	T	KRT40
17	39139370	G	A	KRT40
17	39140203	C	T	KRT40
17	39140221	C	T	KRT40
17	39140272	A	G	KRT40
17	39140417	T	C	KRT40
17	39156084	T	C	KRTAP3
17	39183012	G	-	KRTAP1
17	39183028	C	A	KRTAP1
17	39186168	A	C	KRTAP1
17	39254335	-	T	KRTAP4
17	39274491	C	T	KRTAP4
17	39274518	C	T	KRTAP4
17	39323877	G	A	KRTAP4
17	39346518	T	C	KRTAP9
17	39458256	T	A	KRTAP29
17	39458476	A	T	KRTAP29
17	39458772	G	A	KRTAP29
17	39458893	G	A	KRTAP29
17	39464046	G	C	KRTAP16
17	39464437	G	C	KRTAP16
17	39464437	G	T	KRTAP16
17	39464487	G	C	KRTAP16
17	39464736	C	G	KRTAP16
17	39464779	T	C	KRTAP16
17	39465094	C	T	KRTAP16

17	39471753	GCCCCCGCAG(-		KRTAP17
17	39471756	C	-	KRTAP17
17	39471758	C	-	KRTAP17
17	39471761	A	-	KRTAP17
17	39471762	G	-	KRTAP17
17	39520120	G	A	KRT33B
17	39538524	C	T	KRT34
17	39577180	G	A	KRT37
17	39579112	G	A	KRT37
17	39580559	T	A	KRT37
17	39580562	T	C	KRT37
17	39580595	G	A	KRT37
17	39580660	T	C	KRT37
17	39593678	C	T	KRT38
17	39593722	C	T	KRT38
17	39594525	C	T	KRT38
17	39594766	C	T	KRT38
17	39594980	C	T	KRT38
17	39616396	A	G	KRT32
17	39620565	C	T	KRT32
17	39623282	G	A	KRT32
17	39623363	T	C	KRT32
17	39633349	G	C	KRT35
17	39633354	C	T	KRT35
17	39635118	G	A	KRT35
17	39643340	T	G	KRT36
17	39645705	G	C	KRT36
17	39646047	C	T	KRT36
17	39659194	T	C	KRT13
17	39659913	G	A	KRT13
17	39670912	G	C	KRT15
17	39680218	G	A	KRT19
17	39680672	C	T	KRT19
17	39684321	G	C	KRT19
17	39724810	G	A	KRT9
17	39724834	T	C	KRT9
17	39728000	C	T	KRT9
17	39871804	A	G	GAST
17	39881289	G	C	HAP1
17	39881299	G	A	HAP1
17	39881327	T	C	HAP1
17	39883350	G	A	HAP1
17	39884065	C	A	HAP1

17	39890715	A	T	HAP1
17	39913771	C	T	JUP
17	39925713	C	T	JUP
17	39967442	T	C	P3H4
17	39967770	C	T	P3H4
17	39974642	A	G	FKBP10
17	39977249	T	C	FKBP10
17	39983808	G	C	NT5C3B
17	39983820	G	A	NT5C3B
17	40001580	T	C	KLHL10
17	40010572	G	A	KLHL11
17	40028410	T	A	ACLY
17	40039467	A	C	ACLY
17	40065774	T	G	ACLY
17	40253855	C	T	DHX58
17	40255743	T	C	DHX58
17	40257163	T	C	DHX58
17	40263400	C	T	DHX58
17	40263458	T	C	DHX58
17	40282486	C	T	RAB5C
17	40312348	C	T	KCNH4
17	40318398	C	T	KCNH4
17	40344516	A	G	GHDC
17	40556955	T	C	PTRF
17	40574760	A	T	PTRF
17	40651060	T	C	ATP6V0A1
17	40659622	A	G	ATP6V0A1
17	40706455	C	T	HSD17B1
17	40706551	G	A	HSD17B1
17	40706596	C	T	HSD17B1
17	40706769	G	T	HSD17B1
17	40714804	C	A	COASY
17	40714846	C	T	COASY
17	40717494	-	GT	COASY
17	40722029	A	G	MLX
17	40725379	A	T	PSMC3IP
17	40729267	C	A	PSMC3IP
17	40818699	A	G	TUBG2
17	40821633	C	A	PLEKHH3
17	40828484	-	CGTCCC	PLEKHH3
17	40841001	G	C	CNTNAP1
17	40879667	G	T	EZH1
17	40939342	G	A	WNK4

17	40939855	G	T	<i>WNK4</i>
17	40947320	C	T	<i>WNK4</i>
17	40948319	C	T	<i>WNK4</i>
17	40950135	C	T	<i>COA3</i>
17	40951092	G	A	<i>CNTD1</i>
17	40957849	G	A	<i>CNTD1</i>
17	40970264	C	T	<i>BECN1</i>
17	40996656	A	G	<i>AOC2</i>
17	40996708	A	G	<i>AOC2</i>
17	40997461	G	A	<i>AOC2</i>
17	41001713	C	A	<i>AOC2</i>
17	41008294	T	C	<i>AOC3</i>
17	41055964	C	T	<i>G6PC</i>
17	41131626	A	C	<i>PTGES3L</i>
17	41131645	C	A	<i>PTGES3L</i>
17	41139295	G	A	<i>RUNDC1</i>
17	41164226	A	G	<i>IFI35</i>
17	41165493	A	G	<i>IFI35</i>
17	41165632	G	A	<i>IFI35</i>
17	41165650	GT	-	<i>IFI35</i>
17	41165802	G	A	<i>IFI35</i>
17	41222975	C	T	<i>BRCA1</i>
17	41226488	C	A	<i>BRCA1</i>
17	41243509	T	C	<i>BRCA1</i>
17	41244429	C	T	<i>BRCA1</i>
17	41244435	T	C	<i>BRCA1</i>
17	41244524	C	T	<i>BRCA1</i>
17	41245027	G	A	<i>BRCA1</i>
17	41245471	C	T	<i>BRCA1</i>
17	41246061	C	T	<i>BRCA1</i>
17	41246481	T	C	<i>BRCA1</i>
17	41341668	G	C	<i>NBR1</i>
17	41347020	C	G	<i>NBR1</i>
17	41361960	A	G	<i>NBR1</i>
17	41365199	C	A	<i>TMEM106A</i>
17	41367866	T	A	<i>TMEM106A</i>
17	41570144	G	A	<i>DHX8</i>
17	41606033	G	A	<i>ETV4</i>
17	41606065	G	A	<i>ETV4</i>
17	41610270	A	T	<i>ETV4</i>
17	41610577	G	T	<i>ETV4</i>
17	41738823	G	A	<i>MEOX1</i>
17	41879074	T	C	<i>MPP3</i>

17	41901366	G	T	<i>MPP3</i>
17	41926126	C	T	<i>CD300LG</i>
17	41931375	A	G	<i>CD300LG</i>
17	41939212	T	C	<i>CD300LG</i>
17	41955315	G	A	<i>MPP2</i>
17	41981843	G	A	<i>MPP2</i>
17	42030531	G	C	<i>PYY</i>
17	42030743	G	C	<i>PYY</i>
17	42084810	G	A	<i>NAGS</i>
17	42158204	G	T	<i>HDAC5</i>
17	42164885	G	C	<i>HDAC5</i>
17	42225547	A	C	<i>C17orf53</i>
17	42226124	G	A	<i>C17orf53</i>
17	42239292	A	G	<i>C17orf53</i>
17	42248296	G	A	<i>ASB16</i>
17	42248346	A	T	<i>ASB16</i>
17	42249506	C	T	<i>ASB16</i>
17	42254204	A	G	<i>ASB16</i>
17	42255670	G	T	<i>ASB16</i>
17	42255679	G	A	<i>ASB16</i>
17	42267949	G	A	<i>TMUB2</i>
17	42284701	TCG	-	<i>UBTF</i>
17	42328579	G	A	<i>SLC4A1</i>
17	42336674	C	T	<i>SLC4A1</i>
17	42337247	C	T	<i>SLC4A1</i>
17	42338136	C	A	<i>SLC4A1</i>
17	42338945	T	C	<i>SLC4A1</i>
17	42338993	C	T	<i>SLC4A1</i>
17	42338998	T	G	<i>SLC4A1</i>
17	42393999	G	A	<i>RUNDC3A</i>
17	42398052	A	G	<i>SLC25A39</i>
17	42428954	G	A	<i>GRN</i>
17	42429500	C	T	<i>GRN</i>
17	42453065	A	C	<i>ITGA2B</i>
17	42453084	C	T	<i>ITGA2B</i>
17	42463054	G	C	<i>ITGA2B</i>
17	42475670	T	C	<i>GPATCH8</i>
17	42475738	T	C	<i>GPATCH8</i>
17	42476576	G	A	<i>GPATCH8</i>
17	42477385	T	C	<i>GPATCH8</i>
17	42477499	C	T	<i>GPATCH8</i>
17	42739692	A	G	<i>MEIOC</i>
17	42743946	C	T	<i>MEIOC</i>

17	42744210	A	T	MEIOC
17	42744238	A	C	MEIOC
17	42745180	A	G	MEIOC
17	42745459	G	A	MEIOC
17	42750898	A	T	MEIOC
17	42786711	G	A	DBF4B
17	42828484	T	A	DBF4B
17	42927721	G	A	HIGD1B
17	42927723	G	A	HIGD1B
17	42979917	A	C	CCDC103
17	42987562	C	T	GFAP
17	42991449	C	T	GFAP
17	42992542	G	A	GFAP
17	42992715	G	A	GFAP
17	43003485	G	A	KIF18B
17	43005557	C	T	KIF18B
17	43008970	T	C	KIF18B
17	43011971	C	G	KIF18B
17	43012698	C	T	KIF18B
17	43013610	C	T	KIF18B
17	43107542	G	A	DCAKD
17	43112232	CT	-	DCAKD
17	43216472	A	G	ACBD4
17	43322766	G	A	FMNL1
17	44952586	G	A	WNT9B
17	44953675	G	A	WNT9B
17	45000565	C	A	GOSR2
17	45008570	G	A	GOSR2
17	45360730	T	C	ITGB3
17	45360751	T	G	ITGB3
17	45380203	C	T	ITGB3
17	45412629	C	T	EFCAB13
17	45422446	C	G	EFCAB13
17	45438788	C	T	EFCAB13
17	45438887	AGTG	-	EFCAB13
17	45447802	G	A	EFCAB13
17	45447832	A	G	EFCAB13
17	45451894	G	A	EFCAB13
17	45452257	A	T	EFCAB13
17	45468858	T	G	EFCAB13
17	45471394	C	G	EFCAB13
17	45699143	G	C	NPEPPS
17	45730168	C	G	KPNB1

17	45776072	C	G	TBKBP1
17	45909365	-	GT	LRRC46
17	45914403	G	A	LRRC46
17	45915766	T	C	SCRN2
17	45915788	T	C	SCRN2
17	45916018	C	G	SCRN2
17	45916999	C	T	SCRN2
17	45924787	C	G	SP6
17	46000406	T	C	SP2
17	46022065	G	A	PNPO
17	46262171	C	T	SKAP1
17	46607021	T	C	HOXB1
17	46607958	T	A	HOXB1
17	46620492	A	G	HOXB2
17	46629593	G	T	HOXB3
17	46629736	-	G	HOXB3
17	46688048	T	C	HOXB7
17	46688107	C	G	HOXB7
17	46688135	G	A	HOXB7
17	46805705	C	T	HOXB13
17	46847364	C	A	TLL6
17	46871642	T	C	TLL6
17	46877063	G	A	TLL6
17	46882287	CTTTCCAAAGT	-	TLL6
17	46894377	A	C	TLL6
17	46926615	G	A	CALCOCO2
17	46928952	G	A	CALCOCO2
17	46929908	T	C	CALCOCO2
17	46929982	A	G	CALCOCO2
17	46939658	C	G	CALCOCO2
17	47039132	T	C	GIP
17	47117430	T	A	IGF2BP1
17	47120880	G	A	IGF2BP1
17	47210469	G	A	B4GALNT2
17	47210506	C	A	B4GALNT2
17	47230176	G	A	B4GALNT2
17	47246163	T	C	B4GALNT2
17	47246956	C	T	B4GALNT2
17	47284735	T	C	GNGT2
17	47293906	G	A	ABI3
17	47295162	A	G	ABI3
17	47297598	C	T	ABI3
17	47299919	A	G	ABI3

17	47394825	G	C	ZNF652
17	47583847	C	T	NGFR
17	47656030	C	G	NXPH3
17	47656159	C	T	NXPH3
17	47784374	G	C	SLC35B1
17	47886508	A	G	KAT7
17	47921419	CACTCACCTCC-		TAC4
17	48046963	A	G	DLX4
17	48050557	G	C	DLX4
17	48069035	T	C	DLX3
17	48151849	G	A	ITGA3
17	48155470	G	A	ITGA3
17	48158680	A	G	ITGA3
17	48193233	C	T	SAMD14
17	48193386	G	C	SAMD14
17	48245324	G	A	SGCA
17	48275339	G	C	COL1A1
17	48431021	G	A	XYLT2
17	48431214	G	A	XYLT2
17	48433306	C	T	XYLT2
17	48434513	C	T	XYLT2
17	48437456	C	G	XYLT2
17	48447918	T	C	MRPL27
17	48452756	T	C	EME1
17	48452776	A	C	EME1
17	48452978	-	AGC	EME1
17	48453136	T	A	EME1
17	48456193	T	C	EME1
17	48456849	G	A	EME1
17	48539858	C	A	ACSF2
17	48542714	G	T	CHAD
17	48548419	G	A	ACSF2
17	48557326	G	A	RSAD1
17	48557348	T	C	RSAD1
17	48594691	G	A	MYCBPAP
17	48594813	G	A	MYCBPAP
17	48594980	G	A	MYCBPAP
17	48595988	G	C	MYCBPAP
17	48598785	G	A	MYCBPAP
17	48600459	A	G	MYCBPAP
17	48603434	C	T	MYCBPAP
17	48603503	C	T	MYCBPAP
17	48604679	G	C	MYCBPAP

17	48614426	G	A	<i>EPN3</i>
17	48615458	G	T	<i>EPN3</i>
17	48616582	T	C	<i>EPN3</i>
17	48619249	C	A	<i>EPN3</i>
17	48625679	C	T	<i>SPATA20</i>
17	48625801	A	G	<i>SPATA20</i>
17	48625928	C	G	<i>SPATA20</i>
17	48628160	A	G	<i>SPATA20</i>
17	48628470	T	A	<i>SPATA20</i>
17	48629458	A	G	<i>SPATA20</i>
17	48650063	G	A	<i>CACNA1G</i>
17	48653130	G	A	<i>CACNA1G</i>
17	48653642	G	A	<i>CACNA1G</i>
17	48678100	G	A	<i>CACNA1G</i>
17	48741080	C	T	<i>ABCC3</i>
17	48741440	C	A	<i>ABCC3</i>
17	48745231	T	A	<i>ABCC3</i>
17	48750846	C	T	<i>ABCC3</i>
17	48753045	G	A	<i>ABCC3</i>
17	48761053	G	A	<i>ABCC3</i>
17	48761062	C	T	<i>ABCC3</i>
17	48762223	G	A	<i>ABCC3</i>
17	48776874	A	G	<i>ANKRD40</i>
17	48913352	GCT	-	<i>WFIKKN2</i>
17	48913352	G	-	<i>WFIKKN2</i>
17	48913390	G	A	<i>WFIKKN2</i>
17	48913410	A	G	<i>WFIKKN2</i>
17	48916935	G	A	<i>WFIKKN2</i>
17	48918012	G	A	<i>WFIKKN2</i>
17	49043640	T	C	<i>SPAG9</i>
17	49048143	C	T	<i>SPAG9</i>
17	49067846	G	A	<i>SPAG9</i>
17	49371294	A	G	<i>UTP18</i>
17	51900780	A	G	<i>KIF2B</i>
17	51900836	C	T	<i>KIF2B</i>
17	51901223	G	A	<i>KIF2B</i>
17	51901643	C	T	<i>KIF2B</i>
17	51901703	C	G	<i>KIF2B</i>
17	51901797	G	A	<i>KIF2B</i>
17	53038654	A	C	<i>COX11</i>
17	53076799	G	A	<i>STXBP4</i>
17	53798292	C	G	<i>TMEM100</i>
17	53844742	G	A	<i>PCTP</i>

17	54543772	G	A	ANKFN1
17	54671835	C	A	NOG
17	54671859	G	A	NOG
17	54872439	T	C	C17orf67
17	54940127	A	G	DGKE
17	54981783	C	T	TRIM25
17	55027115	G	A	COIL
17	55028010	T	C	COIL
17	55028170	C	T	COIL
17	55182878	C	T	AKAP1
17	55183195	C	T	AKAP1
17	55195780	A	G	AKAP1
17	55752389	G	A	MSI2
17	55822444	C	G	CCDC182
17	55822467	G	A	CCDC182
17	55951037	C	T	CUEDC1
17	56232675	G	A	OR4D1
17	56232899	C	A	OR4D1
17	56233034	C	A	OR4D1
17	56233042	C	A	OR4D1
17	56247101	C	A	OR4D2
17	56247575	C	T	OR4D2
17	56270442	A	G	EPX
17	56274420	T	C	EPX
17	56276940	A	C	EPX
17	56277684	C	T	EPX
17	56281674	G	A	EPX
17	56283734	T	C	MKS1
17	56284465	C	T	MKS1
17	56294075	G	C	MKS1
17	56326523	G	A	LPO
17	56329775	-	CCAT	LPO
17	56348106	T	C	MPO
17	56349122	T	G	MPO
17	56349128	T	C	MPO
17	56350196	G	A	MPO
17	56350828	GGGTTGGGTT(-		MPO
17	56350840	A	-	MPO
17	56351017	C	T	MPO
17	56355397	G	A	MPO
17	56356502	A	G	MPO
17	56356914	T	C	MPO
17	56357818	C	A	MPO

17	56382477	C	T	<i>BZRAP1</i>
17	56383744	T	C	<i>BZRAP1</i>
17	56386194	C	T	<i>BZRAP1</i>
17	56386607	-	TCCTCCTCT	<i>BZRAP1</i>
17	56388295	G	A	<i>BZRAP1</i>
17	56388303	T	A	<i>BZRAP1</i>
17	56389516	C	T	<i>BZRAP1</i>
17	56389613	T	C	<i>BZRAP1</i>
17	56389631	A	G	<i>BZRAP1</i>
17	56389732	T	C	<i>BZRAP1</i>
17	56389823	C	T	<i>BZRAP1</i>
17	56393840	G	C	<i>BZRAP1</i>
17	56396609	T	C	<i>BZRAP1</i>
17	56405046	C	T	<i>BZRAP1</i>
17	56429483	G	T	<i>SUPT4H1</i>
17	56435080	G	C	<i>RNF43</i>
17	56435885	G	T	<i>RNF43</i>
17	56439952	G	C	<i>RNF43</i>
17	56536257	G	A	<i>HSF5</i>
17	56540267	C	T	<i>HSF5</i>
17	56544280	T	G	<i>HSF5</i>
17	56557545	C	T	<i>HSF5</i>
17	56572427	G	A	<i>MTMR4</i>
17	56584205	A	C	<i>MTMR4</i>
17	56584508	T	C	<i>MTMR4</i>
17	56585872	G	C	<i>MTMR4</i>
17	56598656	C	T	<i>SEPT4</i>
17	56598991	T	A	<i>SEPT4</i>
17	56599278	T	C	<i>SEPT4</i>
17	56620167	C	T	<i>C17orf47</i>
17	56621286	G	T	<i>C17orf47</i>
17	56638900	G	A	<i>TEX14</i>
17	56659018	C	T	<i>TEX14</i>
17	56676368	T	C	<i>TEX14</i>
17	56676845	C	T	<i>TEX14</i>
17	56693594	G	C	<i>TEX14</i>
17	56693677	G	T	<i>TEX14</i>
17	56787304	G	A	<i>RAD51C</i>
17	56798128	A	G	<i>RAD51C</i>
17	56833463	-	GAACCCGAACC	<i>PPM1E</i>
17	56833502	-	CCCGAA	<i>PPM1E</i>
17	57043150	C	G	<i>PPM1E</i>
17	57058175	A	G	<i>PPM1E</i>

17	57058177	C	T	PPM1E
17	57158552	G	A	TRIM37
17	57232365	G	A	SKA2
17	57247133	G	A	PRR11
17	57272725	GTTACC	-	PRR11
17	57272730	C	-	PRR11
17	57288251	C	T	SMG8
17	57288479	G	A	SMG8
17	57288573	ACA	-	SMG8
17	57289805	T	A	SMG8
17	57775279	C	T	PTRH2
17	57889065	C	T	VMP1
17	57941166	G	A	TUBD1
17	57958377	T	C	TUBD1
17	57963537	A	G	TUBD1
17	58022872	C	T	RPS6KB1
17	58042014	A	C	RNFT1
17	58121453	G	A	HEATR6
17	58153580	C	A	HEATR6
17	58156159	-	GCGCAGA	HEATR6
17	58235763	G	A	CA4
17	58236715	C	T	CA4
17	58342828	T	C	USP32
17	58503639	C	G	C17orf64
17	58525018	C	T	APPBP2
17	58740581	A	G	PPM1D
17	58786625	A	G	BCAS3
17	58824617	G	A	BCAS3
17	59469482	C	T	BCAS3
17	59485758	C	T	TBX2
17	59489707	C	T	C17orf82
17	59533867	G	A	TBX4
17	59533868	G	C	TBX4
17	59557600	C	T	TBX4
17	59667953	G	A	NACA2
17	59668352	C	T	NACA2
17	59763347	A	G	BRIP1
17	59885856	T	C	BRIP1
17	59924505	A	G	BRIP1
17	59924512	C	T	BRIP1
17	59924572	G	A	BRIP1
17	59984895	A	G	INTS2
17	60042569	T	C	MED13

17	60043910	C	G	<i>MED13</i>
17	60069978	T	C	<i>MED13</i>
17	60088127	T	C	<i>MED13</i>
17	60112877	A	G	<i>MED13</i>
17	60140614	T	C	<i>MED13</i>
17	60464702	G	A	<i>EFCAB3</i>
17	60469326	C	T	<i>EFCAB3</i>
17	60501370	C	T	<i>METTL2A</i>
17	60742265	C	T	<i>MRC2</i>
17	60767015	G	A	<i>MRC2</i>
17	60767649	G	A	<i>MRC2</i>
17	60814273	A	G	<i>MARCH10</i>
17	60814303	C	T	<i>MARCH10</i>
17	61151363	C	T	<i>TANC2</i>
17	61278229	T	G	<i>TANC2</i>
17	61497448	G	A	<i>TANC2</i>
17	61557773	A	G	<i>ACE</i>
17	61559850	C	T	<i>ACE</i>
17	61562654	C	G	<i>ACE</i>
17	61566095	A	G	<i>ACE</i>
17	61574311	T	C	<i>ACE</i>
17	61574642	G	A	<i>ACE</i>
17	61601584	A	G	<i>KCNH6</i>
17	61615545	A	G	<i>KCNH6</i>
17	61621420	C	A	<i>KCNH6</i>
17	61623052	C	T	<i>KCNH6</i>
17	61660890	G	-	<i>DCAF7</i>
17	61735224	T	A	<i>MAP3K3</i>
17	61771078	C	T	<i>MAP3K3</i>
17	61776417	C	T	<i>LIMD2</i>
17	61843418	C	T	<i>CCDC47</i>
17	61895165	A	G	<i>DDX42</i>
17	61895202	G	T	<i>DDX42</i>
17	61949488	A	G	<i>CSH2</i>
17	61987884	TRUE	G	<i>CSHL1</i>
17	61995170	C	T	<i>GH1</i>
17	62018952	C	T	<i>SCN4A</i>
17	62028920	C	G	<i>SCN4A</i>
17	62029014	G	A	<i>SCN4A</i>
17	62034710	C	T	<i>SCN4A</i>
17	62038602	T	C	<i>SCN4A</i>
17	62045451	G	A	<i>SCN4A</i>
17	62049575	T	G	<i>SCN4A</i>

17	62049749	C	T	SCN4A
17	62135320	C	T	ERN1
17	62271062	G	A	TEX2
17	62290642	T	G	TEX2
17	62476451	C	G	POLG2
17	62492582	C	T	POLG2
17	62492630	G	C	POLG2
17	62496670	A	C	DDX5
17	62517583	A	G	CEP95
17	62517603	C	T	CEP95
17	62530790	TAT	-	CEP95
17	62530792	T	-	CEP95
17	63010848	C	G	GNA13
17	63049685	T	C	GNA13
17	63156654	A	G	RGS9
17	63156655	C	G	RGS9
17	63189687	C	T	RGS9
17	63530163	C	T	AXIN2
17	63532528	G	A	AXIN2
17	63532594	A	G	AXIN2
17	63533919	T	C	AXIN2
17	63554006	G	A	AXIN2
17	63822357	T	C	CEP112
17	63898308	C	T	CEP112
17	63923713	C	T	CEP112
17	64023624	T	C	CEP112
17	64208285	C	G	APOH
17	64210580	A	C	APOH
17	64210757	C	A	APOH
17	64222164	C	T	APOH
17	64225437	G	A	APOH
17	64225484	A	G	APOH
17	64738819	A	G	PRKCA
17	64783081	G	A	PRKCA
17	64881226	C	T	CACNG5
17	65052304	G	A	CACNG1
17	65052356	A	C	CACNG1
17	65074534	G	A	HELZ
17	65104743	G	A	HELZ
17	65105319	T	C	HELZ
17	65105363	T	G	HELZ
17	65163644	T	C	HELZ
17	65212042	C	T	HELZ

17	65822324	GAG	-	BPTF
17	65822381	GAC	-	BPTF
17	65907278	A	G	BPTF
17	65907644	T	C	BPTF
17	65907914	A	G	BPTF
17	65936669	C	T	BPTF
17	65955758	-	CCTCCAGCCCC	BPTF
17	65955758	-	CCTCCAGCCCC	BPTF
17	65955758	-	CCTCCAGCC	BPTF
17	65988049	T	C	C17orf58
17	65989037	A	G	C17orf58
17	65989048	T	C	C17orf58
17	66042639	T	A	KPNA2
17	66246392	C	G	AMZ2
17	66246416	A	G	AMZ2
17	66252960	GGTGA	-	AMZ2
17	66267480	G	T	SLC16A6
17	66270082	A	G	SLC16A6
17	66347790	C	T	ARSG
17	66364804	T	C	ARSG
17	66366659	C	G	ARSG
17	66391276	G	A	ARSG
17	66416504	T	C	ARSG
17	66449122	G	A	WIPI1
17	66538239	G	T	FAM20A
17	66871837	C	T	ABCA8
17	66878099	C	T	ABCA8
17	66879986	C	T	ABCA8
17	66902242	-	CA	ABCA8
17	66902302	G	T	ABCA8
17	66924083	G	A	ABCA8
17	66928460	T	C	ABCA8
17	66928468	G	C	ABCA8
17	66928473	C	T	ABCA8
17	66937004	G	A	ABCA8
17	66938141	G	C	ABCA8
17	66982447	C	T	ABCA9
17	66985983	G	A	ABCA9
17	66985992	T	G	ABCA9
17	66989180	T	C	ABCA9
17	67004283	T	A	ABCA9
17	67012450	G	A	ABCA9
17	67013913	A	G	ABCA9

17	67017930	T	C	ABCA9
17	67023524	C	T	ABCA9
17	67025343	C	T	ABCA9
17	67031457	C	T	ABCA9
17	67039819	G	T	ABCA9
17	67045529	G	C	ABCA9
17	67081218	C	T	ABCA6
17	67081278	A	G	ABCA6
17	67081830	T	C	ABCA6
17	67108362	C	G	ABCA6
17	67109833	T	A	ABCA6
17	67125840	C	T	ABCA6
17	67146149	G	A	ABCA10
17	67151207	C	A	ABCA10
17	67190537	ACAG	-	ABCA10
17	67212423	G	A	ABCA10
17	67247900	G	C	ABCA5
17	67252413	G	A	ABCA5
17	67257355	C	T	ABCA5
17	67266828	T	C	ABCA5
17	67267317	T	C	ABCA5
17	67273882	C	A	ABCA5
17	67290840	T	C	ABCA5
17	67303085	T	C	ABCA5
17	67304447	C	T	ABCA5
17	68128332	G	A	KCNJ16
17	70645032	G	A	SLC39A11
17	70645342	C	T	SLC39A11
17	70943990	T	C	SLC39A11
17	71027781	C	T	SLC39A11
17	71189228	C	T	COG1
17	71189266	G	C	COG1
17	71193525	G	C	COG1
17	71196139	C	T	COG1
17	71196751	G	A	COG1
17	71196809	A	G	COG1
17	71197323	G	C	COG1
17	71197678	G	A	COG1
17	71197986	CTC	-	COG1
17	71205854	A	G	FAM104A
17	71228379	G	C	FAM104A
17	71232109	G	A	C17orf80
17	71232687	T	C	C17orf80

17	71232804	C	A	<i>C17orf80</i>
17	71232807	T	C	<i>C17orf80</i>
17	71232881	G	C	<i>C17orf80</i>
17	71232990	C	A	<i>C17orf80</i>
17	71238433	G	A	<i>C17orf80</i>
17	71238446	C	-	<i>C17orf80</i>
17	71241322	GTAA	-	<i>C17orf80</i>
17	71241322	G	-	<i>C17orf80</i>
17	71257108	C	A	<i>CPSF4L</i>
17	71377042	C	T	<i>SDK2</i>
17	71380062	G	A	<i>SDK2</i>
17	71380087	G	C	<i>SDK2</i>
17	71397309	G	A	<i>SDK2</i>
17	71397326	T	C	<i>SDK2</i>
17	71410819	G	T	<i>SDK2</i>
17	71419615	C	T	<i>SDK2</i>
17	71420175	C	A	<i>SDK2</i>
17	71443835	C	T	<i>SDK2</i>
17	71468356	A	G	<i>SDK2</i>
17	72233559	G	A	<i>TTYH2</i>
17	72239586	C	T	<i>TTYH2</i>
17	72249229	C	A	<i>TTYH2</i>
17	72306270	C	T	<i>DNAI2</i>
17	72306291	G	A	<i>DNAI2</i>
17	72308180	G	T	<i>DNAI2</i>
17	72308319	G	A	<i>DNAI2</i>
17	72340433	G	-	<i>KIF19</i>
17	72340981	G	A	<i>KIF19</i>
17	72346868	C	T	<i>KIF19</i>
17	72349692	C	A	<i>KIF19</i>
17	72350402	G	A	<i>KIF19</i>
17	72350412	G	A	<i>KIF19</i>
17	72351024	T	C	<i>KIF19</i>
17	72366761	G	A	<i>GPR142</i>
17	72367973	T	C	<i>GPR142</i>
17	72368080	G	A	<i>GPR142</i>
17	72368116	C	T	<i>GPR142</i>
17	72368467	C	T	<i>GPR142</i>
17	72428206	A	T	<i>GPRC5C</i>
17	72428218	G	A	<i>GPRC5C</i>
17	72436078	G	A	<i>GPRC5C</i>
17	72436313	G	C	<i>GPRC5C</i>
17	72436370	G	A	<i>GPRC5C</i>

17	72440049	C	A	<i>GPRC5C</i>
17	72443138	G	A	<i>GPRC5C</i>
17	72443156	G	A	<i>GPRC5C</i>
17	72470704	C	T	<i>CD300A</i>
17	72584764	C	T	<i>CD300LD</i>
17	72588217	C	T	<i>C17orf77</i>
17	72588252	C	G	<i>C17orf77</i>
17	72588326	A	C	<i>C17orf77</i>
17	72588735	A	G	<i>C17orf77</i>
17	72588778	C	T	<i>C17orf77</i>
17	72588806	C	A	<i>C17orf77</i>
17	72610089	C	T	<i>CD300E</i>
17	72613589	T	G	<i>CD300E</i>
17	72691263	G	T	<i>CD300LF</i>
17	72691347	A	G	<i>CD300LF</i>
17	72691928	T	C	<i>CD300LF</i>
17	72694574	T	A	<i>CD300LF</i>
17	72699265	T	C	<i>CD300LF</i>
17	72700943	A	G	<i>CD300LF</i>
17	72725478	C	G	<i>RAB37</i>
17	72759575	G	A	<i>SLC9A3R1</i>
17	72769124	G	A	<i>NAT9</i>
17	72769771	G	A	<i>NAT9</i>
17	72786391	G	A	<i>TMEM104</i>
17	72791739	C	G	<i>TMEM104</i>
17	72791746	G	A	<i>TMEM104</i>
17	72832690	C	T	<i>TMEM104</i>
17	72838649	C	A	<i>GRIN2C</i>
17	72846368	C	T	<i>GRIN2C</i>
17	72851039	G	A	<i>GRIN2C</i>
17	72859001	T	C	<i>FDXR</i>
17	72859291	C	T	<i>FDXR</i>
17	72874476	T	C	<i>FADS6</i>
17	72877212	C	T	<i>FADS6</i>
17	72915673	G	C	<i>USH1G</i>
17	72919086	G	A	<i>USH1G</i>
17	72926863	G	A	<i>OTOP2</i>
17	72927123	G	A	<i>OTOP2</i>
17	72927123	G	T	<i>OTOP2</i>
17	72929560	G	A	<i>OTOP2</i>
17	72931898	T	C	<i>OTOP3</i>
17	72931936	T	C	<i>OTOP3</i>
17	72937605	G	A	<i>OTOP3</i>

17	72937851	G	A	OTOP3
17	72938100	T	C	OTOP3
17	72943418	G	A	OTOP3
17	72943434	G	A	OTOP3
17	72945345	G	A	OTOP3
17	72956031	G	A	HID1
17	72958366	G	A	HID1
17	73016489	C	T	ICT1
17	73016729	A	C	ICT1
17	73096860	C	T	SLC16A5
17	73127348	G	A	NT5C
17	73142764	G	A	HN1
17	73221527	G	A	NUP85
17	73235123	G	A	GGA3
17	73235919	C	T	GGA3
17	73237124	T	C	GGA3
17	73238508	T	C	GGA3
17	73239557	T	C	GGA3
17	73257986	C	T	MRPS7
17	73258028	C	T	MRPS7
17	73261825	A	G	MRPS7
17	73261868	G	A	MRPS7
17	73482442	G	T	TMEM94
17	73497583	C	A	CASKIN2
17	73498651	C	T	CASKIN2
17	73498652	G	A	CASKIN2
17	73500672	A	C	CASKIN2
17	73500931	C	T	CASKIN2
17	73500973	G	C	CASKIN2
17	73513281	C	G	TSEN54
17	73513677	A	C	TSEN54
17	73517536	G	A	TSEN54
17	73518203	G	C	TSEN54
17	73518328	A	C	TSEN54
17	73519758	C	G	TSEN54
17	73520359	C	G	TSEN54
17	73520380	C	T	TSEN54
17	73520485	G	C	TSEN54
17	73552185	G	A	LLGL2
17	73559233	G	A	LLGL2
17	73559493	G	A	LLGL2
17	73565171	T	C	LLGL2
17	73567801	G	A	LLGL2

17	73567846	C	T	LLGL2
17	73570695	G	A	LLGL2
17	73623750	C	T	RECQL5
17	73624353	T	G	RECQL5
17	73625179	G	A	RECQL5
17	73625852	C	T	RECQL5
17	73627242	C	T	RECQL5
17	73627319	C	T	RECQL5
17	73627539	T	C	RECQL5
17	73695940	A	C	SAP30BP
17	73728022	G	A	ITGB4
17	73728300	G	T	ITGB4
17	73729660	G	A	ITGB4
17	73733421	G	A	ITGB4
17	73746884	G	A	ITGB4
17	73753503	T	C	ITGB4
17	73758832	G	A	GALK1
17	73826167	G	A	UNC13D
17	73826170	C	T	UNC13D
17	73826491	G	A	UNC13D
17	73827205	T	C	UNC13D
17	73830182	C	T	UNC13D
17	73830188	C	T	UNC13D
17	73837042	T	C	UNC13D
17	73870965	C	T	TRIM47
17	73888167	G	A	TRIM65
17	73894963	C	G	MRPL38
17	73897977	C	T	MRPL38
17	73898188	G	A	MRPL38
17	73910346	G	A	FBF1
17	73914024	C	T	FBF1
17	73915803	G	A	FBF1
17	73916423	A	T	FBF1
17	73918072	C	T	FBF1
17	73919538	G	A	FBF1
17	73919719	C	A	FBF1
17	73922941	T	C	FBF1
17	73929161	G	A	FBF1
17	73944496	G	A	ACOX1
17	73969835	C	T	ACOX1
17	73975075	G	A	ACOX1
17	73987590	G	T	TEN1
17	73998425	T	G	CDK3

17	74003846	G	A	EVPL
17	74004307	C	T	EVPL
17	74005700	C	T	EVPL
17	74005703	G	A	EVPL
17	74005783	G	A	EVPL
17	74005802	C	T	EVPL
17	74006403	C	G	EVPL
17	74010607	C	G	EVPL
17	74014634	G	T	EVPL
17	74014668	T	C	EVPL
17	74015697	G	A	EVPL
17	74019453	G	A	EVPL
17	74056418	T	C	SRP68
17	74071221	A	G	GALR2
17	74073094	G	T	GALR2
17	74075984	C	T	ZACN
17	74076020	G	A	ZACN
17	74076415	G	A	ZACN
17	74077797	C	T	ZACN
17	74078113	G	A	ZACN
17	74085326	C	G	EXOC7
17	74090564	C	T	EXOC7
17	74093934	C	T	EXOC7
17	74154496	G	A	RNF157
17	74162548	C	T	RNF157
17	74163759	G	A	RNF157
17	74208560	C	T	RNF157
17	74273299	G	A	QRICH2
17	74276157	G	A	QRICH2
17	74276788	T	C	QRICH2
17	74277983	C	T	QRICH2
17	74278111	T	C	QRICH2
17	74287204	C	G	QRICH2
17	74287389	T	C	QRICH2
17	74287594	G	A	QRICH2
17	74289519	C	T	QRICH2
17	74289648	G	A	QRICH2
17	74289705	A	G	QRICH2
17	74290008	G	T	QRICH2
17	74382047	TT	-	SPHK1
17	74383108	G	-	SPHK1
17	74383509	G	A	SPHK1
17	74387284	C	T	UBE2O

17	74395936	G	A	<i>UBE2O</i>
17	74464836	C	T	<i>AANAT</i>
17	74465916	C	T	<i>AANAT</i>
17	74469779	T	C	<i>RHBDF2</i>
17	74470523	G	A	<i>RHBDF2</i>
17	74473329	C	T	<i>RHBDF2</i>
17	74475024	G	A	<i>RHBDF2</i>
17	74475975	C	A	<i>RHBDF2</i>
17	74562292	C	T	<i>ST6GALNAC2</i>
17	74564841	T	C	<i>ST6GALNAC2</i>
17	74622774	T	C	<i>ST6GALNAC1</i>
17	74625686	A	G	<i>ST6GALNAC1</i>
17	74729691	G	A	<i>METTTL23</i>
17	74729764	T	C	<i>METTTL23</i>
17	74868887	C	T	<i>MGAT5B</i>
17	74898653	G	A	<i>MGAT5B</i>
17	74898683	C	G	<i>MGAT5B</i>
17	74922744	C	T	<i>MGAT5B</i>
17	75190846	A	C	<i>SEC14L1</i>
17	75208179	C	T	<i>SEC14L1</i>
17	76046623	G	A	<i>TNRC6C</i>
17	76060866	C	G	<i>TNRC6C</i>
17	76115441	C	T	<i>TMC6</i>
17	76117124	G	A	<i>TMC6</i>
17	76117783	C	G	<i>TMC6</i>
17	76121004	G	A	<i>TMC6</i>
17	76121031	C	T	<i>TMC6</i>
17	76121864	A	G	<i>TMC6</i>
17	76127746	T	C	<i>TMC8</i>
17	76130571	C	T	<i>TMC8</i>
17	76130575	A	T	<i>TMC8</i>
17	76133356	G	A	<i>TMC8</i>
17	76134198	G	A	<i>TMC8</i>
17	76134237	G	A	<i>TMC8</i>
17	76136994	C	T	<i>TMC8</i>
17	76157044	C	T	<i>C17orf99</i>
17	76157199	C	A	<i>C17orf99</i>
17	76157266	T	C	<i>C17orf99</i>
17	76171687	C	T	<i>TK1</i>
17	76187108	G	C	<i>AFMID</i>
17	76198595	G	A	<i>AFMID</i>
17	76198636	G	A	<i>AFMID</i>
17	76200907	A	G	<i>AFMID</i>

17	76200965	C	T	<i>AFMID</i>
17	76210422	G	T	<i>BIRC5</i>
17	76219591	G	A	<i>BIRC5</i>
17	76399916	A	G	<i>PGS1</i>
17	76422599	C	T	<i>DNAH17</i>
17	76433898	T	C	<i>DNAH17</i>
17	76433899	G	A	<i>DNAH17</i>
17	76433931	C	T	<i>DNAH17</i>
17	76451830	C	T	<i>DNAH17</i>
17	76456017	C	G	<i>DNAH17</i>
17	76464916	G	A	<i>DNAH17</i>
17	76472680	T	C	<i>DNAH17</i>
17	76472719	C	T	<i>DNAH17</i>
17	76480966	T	C	<i>DNAH17</i>
17	76481041	A	C	<i>DNAH17</i>
17	76490147	C	T	<i>DNAH17</i>
17	76491127	T	C	<i>DNAH17</i>
17	76497920	C	A	<i>DNAH17</i>
17	76498692	C	T	<i>DNAH17</i>
17	76503397	G	A	<i>DNAH17</i>
17	76503418	C	T	<i>DNAH17</i>
17	76503560	C	A	<i>DNAH17</i>
17	76503593	T	C	<i>DNAH17</i>
17	76510927	G	A	<i>DNAH17</i>
17	76511038	T	C	<i>DNAH17</i>
17	76511089	C	T	<i>DNAH17</i>
17	76522785	C	T	<i>DNAH17</i>
17	76525592	C	T	<i>DNAH17</i>
17	76525627	G	A	<i>DNAH17</i>
17	76525759	G	C	<i>DNAH17</i>
17	76528622	G	T	<i>DNAH17</i>
17	76528790	A	G	<i>DNAH17</i>
17	76528799	G	C	<i>DNAH17</i>
17	76533410	G	A	<i>DNAH17</i>
17	76533424	G	A	<i>DNAH17</i>
17	76547634	T	C	<i>DNAH17</i>
17	76548866	C	T	<i>DNAH17</i>
17	76566378	G	A	<i>DNAH17</i>
17	76567707	T	C	<i>DNAH17</i>
17	76795805	G	C	<i>USP36</i>
17	76798549	TTTTTC	-	<i>USP36</i>
17	76798554	C	-	<i>USP36</i>
17	76799729	T	G	<i>USP36</i>

17	76799795	G	A	USP36
17	76799835	C	A	USP36
17	76799860	T	C	USP36
17	76802280	G	C	USP36
17	76802320	G	T	USP36
17	76802331	C	T	USP36
17	76802344	C	T	USP36
17	76803659	T	C	USP36
17	76809019	C	T	USP36
17	76817090	C	T	USP36
17	76823418	G	T	USP36
17	76825015	C	T	USP36
17	76831394	T	C	USP36
17	76887273	G	A	CEP295NL
17	76887432	C	A	CEP295NL
17	76888041	T	C	CEP295NL
17	76888360	A	G	CEP295NL
17	76888375	T	C	CEP295NL
17	76967770	T	G	LGALS3BP
17	76973249	C	T	LGALS3BP
17	76989666	C	T	CANT1
17	76989715	T	A	CANT1
17	76993272	C	A	CANT1
17	77043860	A	G	C1QTNF1
17	77078069	G	A	ENGASE
17	77079575	G	A	ENGASE
17	77081788	G	A	ENGASE
17	77082174	C	T	ENGASE
17	77082333	C	T	ENGASE
17	77082390	G	A	ENGASE
17	77710990	C	T	ENPP7
17	77755772	T	-	CBX2
17	77758091	G	T	CBX2
17	77758653	C	G	CBX2
17	77768654	C	A	CBX8
17	77768696	T	C	CBX8
17	77768955	C	T	CBX8
17	77807917	-	GCCGCC	CBX4
17	77807927	A	G	CBX4
17	77808866	C	T	CBX4
17	77921593	C	T	TBC1D16
17	77926526	C	T	TBC1D16
17	77984172	G	A	TBC1D16

17	77984175	G	A	TBC1D16
17	77984254	C	T	TBC1D16
17	78013851	A	G	CCDC40
17	78022555	G	C	CCDC40
17	78055455	C	G	CCDC40
17	78055757	C	T	CCDC40
17	78059817	C	A	CCDC40
17	78059821	T	C	CCDC40
17	78073485	G	A	CCDC40
17	78078656	G	A	GAA
17	78079597	A	G	GAA
17	78085871	G	A	GAA
17	78087041	G	A	GAA
17	78090815	G	C	GAA
17	78091405	G	A	GAA
17	78157811	T	G	CARD14
17	78157961	G	A	CARD14
17	78166326	G	A	CARD14
17	78171944	G	C	CARD14
17	78172292	G	A	CARD14
17	78176044	C	T	CARD14
17	78176140	G	A	CARD14
17	78178893	C	T	CARD14
17	78182048	C	G	CARD14
17	78184393	C	T	SGSH
17	78184438	C	T	SGSH
17	78184601	C	T	SGSH
17	78196475	A	C	SLC26A11
17	78210766	C	T	SLC26A11
17	78223030	G	A	SLC26A11
17	78225167	G	A	SLC26A11
17	78261704	T	C	RNF213
17	78263486	T	C	RNF213
17	78264464	GAG	-	RNF213
17	78272230	C	G	RNF213
17	78272294	C	T	RNF213
17	78293189	A	T	RNF213
17	78318686	A	G	RNF213
17	78319114	A	G	RNF213
17	78319136	G	A	RNF213
17	78321157	T	C	RNF213
17	78323570	A	G	RNF213
17	78337584	A	G	RNF213

17	78338303	G	A	<i>RNF213</i>
17	78341843	C	T	<i>RNF213</i>
17	78346840	G	A	<i>RNF213</i>
17	78346870	C	A	<i>RNF213</i>
17	78350110	G	A	<i>RNF213</i>
17	78350165	G	A	<i>RNF213</i>
17	78353466	C	T	<i>RNF213</i>
17	78355462	C	T	<i>RNF213</i>
17	78355494	C	G	<i>RNF213</i>
17	78356830	G	T	<i>RNF213</i>
17	78357478	A	G	<i>RNF213</i>
17	78357600	A	G	<i>RNF213</i>
17	78360187	G	C	<i>RNF213</i>
17	78363054	G	A	<i>RNF213</i>
17	78389478	G	A	<i>ENDOV</i>
17	78396004	A	G	<i>ENDOV</i>
17	78396031	T	C	<i>ENDOV</i>
17	78399353	G	T	<i>ENDOV</i>
17	78444714	T	C	<i>NPTX1</i>
17	78867557	G	A	<i>RPTOR</i>
17	78896587	G	A	<i>RPTOR</i>
17	78936266	A	G	<i>RPTOR</i>
17	79089590	A	G	<i>BAIAP2</i>
17	79094162	G	A	<i>AATK</i>
17	79104969	C	T	<i>AATK</i>
17	79104986	C	G	<i>AATK</i>
17	79170578	C	T	<i>CEP131</i>
17	79172049	G	A	<i>CEP131</i>
17	79172711	G	A	<i>CEP131</i>
17	79174182	G	A	<i>CEP131</i>
17	79176110	C	T	<i>CEP131</i>
17	79176115	T	C	<i>CEP131</i>
17	79193702	C	T	<i>CEP131</i>
17	79193727	G	A	<i>CEP131</i>
17	79193730	C	T	<i>CEP131</i>
17	79205421	G	A	<i>ENTHD2</i>
17	79205672	G	A	<i>ENTHD2</i>
17	79207455	C	A	<i>ENTHD2</i>
17	79219501	ATG	-	<i>SLC38A10</i>
17	79220224	G	C	<i>SLC38A10</i>
17	79225013	TTTTAAAGGGG-		<i>SLC38A10</i>
17	79225014	TTTTAAAGGGGA-		<i>SLC38A10</i>
17	79225040	C	-	<i>SLC38A10</i>

17	79225040	C	T	SLC38A10
17	79225092	C	G	SLC38A10
17	79225239	G	A	SLC38A10
17	79226264	T	C	SLC38A10
17	79234049	G	A	SLC38A10
17	79256084	T	C	SLC38A10
17	79287710	C	T	TMEM105
17	79495606	G	A	FSCN2
17	79495897	A	G	FSCN2
17	79495969	C	T	FSCN2
17	79496095	C	T	FSCN2
17	79508400	T	C	FAAP100
17	79514675	T	C	FAAP100
17	79517286	T	C	FAAP100
17	79517402	C	T	FAAP100
17	79518110	T	C	FAAP100
17	79526422	G	C	NPLOC4
17	79634774	A	T	CCDC137
17	79637314	G	A	CCDC137
17	79637367	C	G	CCDC137
17	79638805	C	T	CCDC137
17	79639550	G	A	CCDC137
17	79650828	T	G	ARL16
17	79660609	C	G	HGS
17	79662042	C	T	HGS
17	79668135	G	T	HGS
17	79671714	T	C	MRPL12
17	79682059	T	C	SLC25A10
17	79683077	G	A	SLC25A10
17	79805139	C	T	P4HB
17	79862746	G	A	PCYT2
17	79867425	A	G	PCYT2
17	79872220	C	T	SIRT7
17	79872517	G	A	SIRT7
17	79898737	T	C	MYADML2
17	79898933	G	A	MYADML2
17	79899349	G	C	MYADML2
17	79911049	T	C	NOTUM
17	79954544	T	A	ASPSCR1
17	79974915	CT	-	ASPSCR1
17	79980718	C	G	STRA13
17	79986156	C	T	LRRC45
17	79987456	G	A	LRRC45

17	79991603	C	T	<i>RAC3</i>
17	79991701	T	C	<i>RAC3</i>
17	79993919	C	T	<i>DCXR</i>
17	79994115	G	-	<i>DCXR</i>
17	80006957	A	C	<i>RFNG</i>
17	80017898	G	A	<i>DUS1L</i>
17	80017902	C	T	<i>DUS1L</i>
17	80039509	C	T	<i>FASN</i>
17	80039510	G	A	<i>FASN</i>
17	80040450	C	T	<i>FASN</i>
17	80041173	G	A	<i>FASN</i>
17	80041398	G	A	<i>FASN</i>
17	80042792	C	T	<i>FASN</i>
17	80043506	G	A	<i>FASN</i>
17	80045881	C	T	<i>FASN</i>
17	80046994	C	T	<i>FASN</i>
17	80049154	C	A	<i>FASN</i>
17	80050420	C	T	<i>FASN</i>
17	80059596	T	C	<i>CCDC57</i>
17	80085633	A	G	<i>CCDC57</i>
17	80085648	C	G	<i>CCDC57</i>
17	80085703	G	T	<i>CCDC57</i>
17	80130595	G	A	<i>CCDC57</i>
17	80136418	C	T	<i>CCDC57</i>
17	80136979	C	T	<i>CCDC57</i>
17	80151925	C	G	<i>CCDC57</i>
17	80156213	C	T	<i>CCDC57</i>
17	80273234	C	T	<i>CD7</i>
17	80274142	CAGGGAGGGC.	-	<i>CD7</i>
17	80280054	A	C	<i>SECTM1</i>
17	80280768	G	A	<i>SECTM1</i>
17	80285076	T	C	<i>SECTM1</i>
17	80285085	T	G	<i>SECTM1</i>
17	80352300	C	T	<i>OGFOD3</i>
17	80352303	G	A	<i>OGFOD3</i>
17	80356167	G	C	<i>OGFOD3</i>
17	80367243	C	T	<i>OGFOD3</i>
17	80367275	T	C	<i>OGFOD3</i>
17	80369330	C	T	<i>OGFOD3</i>
17	80373377	G	T	<i>OGFOD3</i>
17	80373453	G	A	<i>OGFOD3</i>
17	80391684	A	G	<i>HEXDC</i>
17	80393652	C	T	<i>HEXDC</i>

17	80393680	G	A	HEXDC
17	80395068	G	A	HEXDC
17	80400098	C	T	HEXDC
17	80400349	G	A	HEXDC
17	80404516	T	C	C17orf62
17	80404546	C	T	C17orf62
17	80404555	G	A	C17orf62
17	80417946	G	A	NARF
17	80439004	A	G	NARF
17	80442759	A	G	NARF
17	80543936	C	T	FO XK2
17	80543972	C	T	FO XK2
17	80544980	G	A	FO XK2
17	80545076	A	G	FO XK2
17	80559272	C	T	FO XK2
17	80579609	T	C	WDR45B
17	80615788	G	C	RAB40B
17	80676855	A	T	FN3KRP
17	80684432	A	G	FN3KRP
17	80684784	G	A	FN3KRP
17	80698668	C	A	FN3K
17	80699238	A	G	FN3K
17	80708522	A	C	FN3K
17	80788220	G	C	ZNF750
17	80789468	G	A	ZNF750
17	80789628	T	C	ZNF750
17	80858576	C	G	TBCD
17	80863857	T	C	TBCD
17	80885156	A	G	TBCD
17	80895933	A	G	TBCD
17	81042978	C	T	METRNL
17	81052130	A	G	METRNL
18	198132	C	T	USP14
18	215504	G	A	THOC1
18	331717	C	T	COLEC12
18	334901	C	T	COLEC12
18	335099	T	C	COLEC12
18	346700	C	T	COLEC12
18	357443	C	G	COLEC12
18	580623	T	C	CETN1
18	658064	G	C	TYMSOS
18	658147	C	A	TYMSOS
18	658170	G	T	TYMSOS

18	662164	G	C	TYMS
18	694303	G	A	ENOSF1
18	706504	T	C	ENOSF1
18	2539016	C	G	METTL4
18	2547500	G	T	METTL4
18	2555008	T	G	METTL4
18	2567041	A	G	METTL4
18	2599079	G	T	NDC80
18	2616457	G	C	NDC80
18	2707619	G	A	SMCHD1
18	2724930	A	T	SMCHD1
18	2890796	G	A	EMILIN2
18	2891083	A	C	EMILIN2
18	2891095	G	A	EMILIN2
18	2891096	C	A	EMILIN2
18	2909700	C	T	EMILIN2
18	2925284	G	A	LPIN2
18	2926779	A	G	LPIN2
18	2929103	G	A	LPIN2
18	2937867	C	A	LPIN2
18	3084007	A	G	MYOM1
18	3086065	C	T	MYOM1
18	3126811	A	G	MYOM1
18	3129368	T	C	MYOM1
18	3135644	C	T	MYOM1
18	3141984	G	C	MYOM1
18	3176040	C	G	MYOM1
18	3176070	C	T	MYOM1
18	3188778	C	T	MYOM1
18	3188927	G	A	MYOM1
18	3215083	T	C	MYOM1
18	3215158	C	G	MYOM1
18	3452030	C	T	TGIF1
18	3452222	CT	-	TGIF1
18	3452223	T	-	TGIF1
18	3452223	T	-	TGIF1
18	3452291	G	A	TGIF1
18	3534224	C	T	DLGAP1
18	5397205	G	A	EPB41L3
18	5398134	C	G	EPB41L3
18	5416160	T	C	EPB41L3
18	5478295	C	A	EPB41L3
18	6243385	C	T	L3MBTL4

18	6851058	C	G	ARHGAP28
18	6912143	A	C	ARHGAP28
18	6958609	T	C	LAMA1
18	6959394	G	A	LAMA1
18	6965341	G	A	LAMA1
18	6971872	G	A	LAMA1
18	6975995	G	C	LAMA1
18	6977814	T	G	LAMA1
18	6978321	C	T	LAMA1
18	6980523	T	C	LAMA1
18	6982519	T	C	LAMA1
18	6986227	G	A	LAMA1
18	6992683	T	A	LAMA1
18	6993673	T	C	LAMA1
18	6997818	A	C	LAMA1
18	7007187	C	A	LAMA1
18	7008591	T	C	LAMA1
18	7009293	C	T	LAMA1
18	7016579	C	T	LAMA1
18	7023349	G	A	LAMA1
18	7032153	C	T	LAMA1
18	7037641	G	A	LAMA1
18	7049171	C	T	LAMA1
18	7231740	G	A	LRRC30
18	7231881	A	G	LRRC30
18	8076508	A	G	PTPRM
18	8783835	T	C	MTCL1
18	8784555	C	T	MTCL1
18	8784723	A	G	MTCL1
18	8798185	G	A	MTCL1
18	8798218	C	G	MTCL1
18	8806925	A	G	MTCL1
18	8824926	C	T	MTCL1
18	8825946	G	A	MTCL1
18	8826090	G	A	MTCL1
18	9117867	T	C	NDUFV2
18	9221883	C	G	ANKRD12
18	9255081	A	G	ANKRD12
18	9255718	G	A	ANKRD12
18	9255784	C	A	ANKRD12
18	9255788	T	G	ANKRD12
18	9258537	T	C	ANKRD12
18	9535817	C	T	RALBP1

18	9547947	T	C	PPP4R1
18	9562042	C	T	PPP4R1
18	9570320	T	C	PPP4R1
18	9887936	G	C	TXNDC2
18	9944960	A	G	VAPA
18	10485549	A	G	APCDD1
18	10540393	G	A	NAPG
18	10677856	C	T	PIEZO2
18	10681711	C	T	PIEZO2
18	11886563	C	G	MPPE1
18	11886946	T	G	MPPE1
18	11889467	C	T	MPPE1
18	12014325	G	A	IMPA2
18	12262897	C	T	CIDEA
18	12325722	A	G	TUBB6
18	12329644	G	A	AFG3L2
18	12697321	C	G	CEP76
18	12951878	G	A	SEH1L
18	12984144	C	A	SEH1L
18	13001512	G	C	CEP192
18	13001523	G	A	CEP192
18	13008497	G	C	CEP192
18	13029986	G	A	CEP192
18	13030532	T	G	CEP192
18	13030533	A	C	CEP192
18	13055915	A	C	CEP192
18	13056046	G	A	CEP192
18	13056682	G	A	CEP192
18	13057655	C	T	CEP192
18	13068109	G	A	CEP192
18	13068132	T	C	CEP192
18	13069782	C	T	CEP192
18	13092424	G	A	CEP192
18	13095591	G	A	CEP192
18	13095609	T	C	CEP192
18	13100377	T	C	CEP192
18	13100451	A	G	CEP192
18	13116432	G	T	CEP192
18	13645558	G	A	LDLRAD4
18	13681962	A	T	FAM210A
18	13731574	G	C	RNMT
18	13826391	C	G	MC5R
18	13826678	C	T	MC5R

18	13884753	C	T	MC2R
18	13885385	C	T	MC2R
18	13885438	G	C	MC2R
18	14105770	T	C	ZNF519
18	14106169	A	G	ZNF519
18	14772175	T	C	ANKRD30B
18	18546896	T	G	ROCK1
18	18564483	G	C	ROCK1
18	18571171	T	A	ROCK1
18	18964286	G	A	GREB1L
18	19076596	G	A	GREB1L
18	19153475	G	A	ESCO1
18	19154143	G	A	ESCO1
18	19154416	-	CAA	ESCO1
18	19780721	G	C	GATA6
18	20573157	A	G	RBBP8
18	20768870	G	A	CABLES1
18	20953720	G	A	TMEM241
18	21001400	G	A	TMEM241
18	21017792	C	T	TMEM241
18	21083647	C	A	C18orf8
18	21096330	C	G	C18orf8
18	21109194	C	T	C18orf8
18	21116665	C	T	NPC1
18	21120444	T	C	NPC1
18	21121045	A	G	NPC1
18	21124945	C	G	NPC1
18	21140367	G	A	NPC1
18	21140411	T	C	NPC1
18	21140432	T	C	NPC1
18	21181236	C	T	ANKRD29
18	21343459	C	A	LAMA3
18	21402298	C	A	LAMA3
18	21424986	T	C	LAMA3
18	21424991	C	A	LAMA3
18	21427556	G	A	LAMA3
18	21444807	A	G	LAMA3
18	21500903	G	T	LAMA3
18	21511034	C	A	LAMA3
18	21511089	A	G	LAMA3
18	21513888	C	T	LAMA3
18	21523934	C	T	LAMA3
18	21594895	-	GCG	TTC39C

18	21735686	C	T	CABYR
18	21747337	C	T	OSBPL1A
18	21747400	A	G	OSBPL1A
18	21750298	C	T	OSBPL1A
18	21752415	G	A	OSBPL1A
18	21897114	G	A	OSBPL1A
18	21957382	-	AATT	OSBPL1A
18	22020543	C	G	IMPACT
18	22030783	G	T	IMPACT
18	22056766	C	T	HRH4
18	22804374	T	C	ZNF521
18	22806966	C	T	ZNF521
18	22806981	C	T	ZNF521
18	23731897	A	G	PSMA8
18	23866185	G	C	TAF4B
18	23866252	C	T	TAF4B
18	23872235	A	G	TAF4B
18	24497039	C	A	CHST9
18	24497190	C	T	CHST9
18	25532304	T	C	CDH2
18	25593694	C	T	CDH2
18	25593772	T	C	CDH2
18	25616451	A	T	CDH2
18	28581601	G	A	DSC3
18	28588349	G	A	DSC3
18	28604374	T	C	DSC3
18	28611061	A	T	DSC3
18	28611139	A	C	DSC3
18	28612229	G	T	DSC3
18	28612233	G	T	DSC3
18	28647999	-	TC	DSC2
18	28648975	C	T	DSC2
18	28649042	T	C	DSC2
18	28650748	A	C	DSC2
18	28672114	C	T	DSC2
18	28710619	C	A	DSC1
18	28712551	C	G	DSC1
18	28713994	A	G	DSC1
18	28720147	C	T	DSC1
18	28737407	G	A	DSC1
18	28898294	A	G	DSG1
18	28914021	G	T	DSG1
18	28919779	A	C	DSG1

18	28919794	C	A	DSG1
18	28934374	A	G	DSG1
18	28934375	T	C	DSG1
18	28934681	A	T	DSG1
18	28968349	C	T	DSG4
18	28979427	G	A	DSG4
18	28983448	A	G	DSG4
18	28983529	C	T	DSG4
18	28993140	A	G	DSG4
18	28993212	A	G	DSG4
18	28993230	A	G	DSG4
18	29046606	G	A	DSG3
18	29046607	T	G	DSG3
18	29049138	C	T	DSG3
18	29054294	C	T	DSG3
18	29055957	A	G	DSG3
18	29099850	G	A	DSG2
18	29101120	G	T	DSG2
18	29101156	T	G	DSG2
18	29104714	A	G	DSG2
18	29111109	G	A	DSG2
18	29118843	T	C	DSG2
18	29122618	G	A	DSG2
18	29122799	G	A	DSG2
18	29126108	T	G	DSG2
18	29172865	G	A	TTR
18	29175210	C	A	TTR
18	29205591	T	C	B4GALT6
18	29412105	A	C	TRAPPC8
18	29419309	G	A	TRAPPC8
18	29426714	T	C	TRAPPC8
18	29432624	T	C	TRAPPC8
18	29437668	G	A	TRAPPC8
18	29446850	G	C	TRAPPC8
18	29447411	G	A	TRAPPC8
18	29497573	A	G	TRAPPC8
18	29625685	G	A	RNF125
18	29645930	A	T	RNF125
18	29782953	A	G	MEP1B
18	29788170	G	A	MEP1B
18	29793100	A	G	MEP1B
18	29795101	T	C	MEP1B
18	29797921	C	T	MEP1B

18	29848028	T	C	GAREM1
18	30257258	A	G	KLHL14
18	30554575	T	C	CCDC178
18	30672840	C	A	CCDC178
18	30672840	C	T	CCDC178
18	30791889	C	G	CCDC178
18	30804756	C	T	CCDC178
18	30804758	A	C	CCDC178
18	30846895	A	T	CCDC178
18	30847180	C	T	CCDC178
18	30928852	A	G	CCDC178
18	30969567	G	T	CCDC178
18	31318959	A	G	ASXL3
18	31319551	C	A	ASXL3
18	31320229	A	G	ASXL3
18	31323201	C	G	ASXL3
18	31323848	A	G	ASXL3
18	31324766	G	A	ASXL3
18	31326012	T	G	ASXL3
18	31326158	G	A	ASXL3
18	32418752	C	T	DTNA
18	32558480	GAAT	-	MAPRE2
18	32822643	G	A	ZNF397
18	32826268	A	G	ZNF397
18	32834028	G	T	ZSCAN30
18	32834186	T	G	ZSCAN30
18	32834232	G	A	ZSCAN30
18	32843952	A	G	ZSCAN30
18	32844197	G	C	ZSCAN30
18	32917644	T	C	ZNF24
18	33048642	C	T	INO80C
18	33077807	G	C	INO80C
18	33243613	C	T	GALNT1
18	33557466	A	G	C18orf21
18	33706235	C	T	SLC39A6
18	33718326	A	C	ELP2
18	33722921	A	G	ELP2
18	33725931	G	A	ELP2
18	33736490	T	C	ELP2
18	33738805	G	C	ELP2
18	33754519	C	T	ELP2
18	33775295	T	C	MOCOS
18	33779705	G	A	MOCOS

18	33779855	C	T	MOCOS
18	33779858	C	T	MOCOS
18	33780020	A	G	MOCOS
18	33831189	C	A	MOCOS
18	33848581	T	C	MOCOS
18	34156497	A	G	FHOD3
18	34174816	G	A	FHOD3
18	34238055	A	G	FHOD3
18	34261473	G	A	FHOD3
18	34261511	C	T	FHOD3
18	34273279	C	G	FHOD3
18	34289081	G	A	FHOD3
18	34289142	A	G	FHOD3
18	34289285	G	T	FHOD3
18	34298542	G	A	FHOD3
18	34324091	G	A	FHOD3
18	34349252	G	C	FHOD3
18	34376830	C	T	TPGS2
18	34398883	G	A	TPGS2
18	34647322	G	T	KIAA1328
18	34740290	A	C	KIAA1328
18	40323567	C	T	RIT2
18	42456653	G	A	SETBP1
18	42456670	-	TCTT	SETBP1
18	42529996	G	C	SETBP1
18	42531184	C	T	SETBP1
18	42532604	A	G	SETBP1
18	42532606	G	A	SETBP1
18	42532693	C	A	SETBP1
18	42643270	G	T	SETBP1
18	43204739	C	T	SLC14A2
18	43204744	C	G	SLC14A2
18	43206985	A	G	SLC14A2
18	43212334	C	A	SLC14A2
18	43243830	G	A	SLC14A2
18	43246156	G	A	SLC14A2
18	43247837	G	A	SLC14A2
18	43252883	G	A	SLC14A2
18	43262359	G	A	SLC14A2
18	43262408	G	A	SLC14A2
18	43307246	C	T	SLC14A1
18	43310415	G	A	SLC14A1
18	43311054	G	A	SLC14A1

18	43319519	G	A	SLC14A1
18	43456296	C	T	EPG5
18	43460116	C	T	EPG5
18	43481075	G	A	EPG5
18	43481105	C	T	EPG5
18	43490652	T	G	EPG5
18	43496539	G	A	EPG5
18	43497710	A	G	EPG5
18	43523997	T	C	EPG5
18	43531186	C	T	EPG5
18	43534824	T	C	EPG5
18	43568717	T	C	PSTPIP2
18	43595893	G	A	PSTPIP2
18	43833701	-	CTG	C18orf25
18	44036029	T	G	RNF165
18	44057151	C	T	LOXHD1
18	44057673	C	T	LOXHD1
18	44063598	G	A	LOXHD1
18	44085877	G	T	LOXHD1
18	44102126	G	A	LOXHD1
18	44104437	T	C	LOXHD1
18	44113283	G	A	LOXHD1
18	44126909	T	C	LOXHD1
18	44137400	C	T	LOXHD1
18	44140109	G	A	LOXHD1
18	44140215	-	GAGGACTCCTC	LOXHD1
18	44140280	TCT	-	LOXHD1
18	44140281	C	-	LOXHD1
18	44143153	C	T	LOXHD1
18	44157746	C	A	LOXHD1
18	44157764	C	A	LOXHD1
18	44171980	G	A	LOXHD1
18	44172503	C	A	LOXHD1
18	44236995	A	T	LOXHD1
18	44268752	G	A	ST8SIA5
18	44559933	T	A	TCEB3B
18	44560429	C	A	TCEB3B
18	44560480	A	T	TCEB3B
18	44560732	C	G	TCEB3B
18	44560875	C	A	TCEB3B
18	44561100	C	G	TCEB3B
18	44585955	G	A	KATNAL2
18	44656675	G	A	HDHD2

18	45566421	A	C	ZBTB7C
18	45566448	C	T	ZBTB7C
18	46163049	C	T	CTIF
18	46284585	C	G	CTIF
18	46645157	C	T	DYM
18	47010017	A	G	RPL17
18	47093864	C	T	LIPG
18	47109955	A	G	LIPG
18	47113165	C	T	LIPG
18	47318626	T	C	ACAA2
18	47376012	C	T	MYO5B
18	47379895	G	A	MYO5B
18	47383243	C	T	MYO5B
18	47402106	A	C	MYO5B
18	47405425	-	GAG	MYO5B
18	47432860	C	G	MYO5B
18	47511113	C	A	MYO5B
18	47563299	T	C	MYO5B
18	47566647	A	G	MYO5B
18	47566678	C	G	MYO5B
18	47581748	A	C	MYO5B
18	47777244	C	T	CFAP53
18	47777937	G	A	CFAP53
18	47778134	C	T	CFAP53
18	47788504	G	A	CFAP53
18	47801382	C	T	MBD1
18	47908556	G	A	SKA1
18	48190378	G	A	MAPK4
18	48190440	G	A	MAPK4
18	48256034	GCCCCGGCCCCC	-	MAPK4
18	48256051	G	-	MAPK4
18	48331553	T	C	MRO
18	48331612	AG	-	MRO
18	48333203	C	G	MRO
18	48346024	G	T	MRO
18	48452240	C	T	ME2
18	48458662	G	A	ME2
18	48473401	A	G	ME2
18	48510696	T	C	ELAC1
18	48604751	A	G	SMAD4
18	49867224	T	C	DCC
18	50432602	C	G	DCC
18	50683873	G	A	DCC

18	50848468	A	G	<i>DCC</i>
18	51809277	T	A	<i>POLI</i>
18	51813752	C	G	<i>POLI</i>
18	51818259	A	G	<i>POLI</i>
18	51820209	T	C	<i>POLI</i>
18	51820805	G	A	<i>POLI</i>
18	51851090	C	T	<i>STARD6</i>
18	51855721	C	T	<i>STARD6</i>
18	51880889	G	A	<i>STARD6</i>
18	51888169	G	C	<i>C18orf54</i>
18	52258548	T	C	<i>DYNAP</i>
18	52265059	C	T	<i>DYNAP</i>
18	52265308	A	C	<i>DYNAP</i>
18	52586545	A	G	<i>CCDC68</i>
18	52604083	T	C	<i>CCDC68</i>
18	52605279	C	T	<i>CCDC68</i>
18	52928743	G	A	<i>TCF4</i>
18	53128285	T	C	<i>TCF4</i>
18	54291538	G	T	<i>TXNL1</i>
18	54423856	G	T	<i>WDR7</i>
18	54606602	G	C	<i>WDR7</i>
18	55021725	A	C	<i>ST8SIA3</i>
18	55024275	G	A	<i>ST8SIA3</i>
18	55226380	C	T	<i>FECH</i>
18	55240505	C	T	<i>FECH</i>
18	55247314	G	C	<i>FECH</i>
18	55247336	C	A	<i>FECH</i>
18	55273151	T	C	<i>NARS</i>
18	55273918	T	G	<i>NARS</i>
18	55274824	T	C	<i>NARS</i>
18	55317676	C	T	<i>ATP8B1</i>
18	55322502	C	T	<i>ATP8B1</i>
18	55351400	A	G	<i>ATP8B1</i>
18	55359082	T	C	<i>ATP8B1</i>
18	55362430	A	T	<i>ATP8B1</i>
18	55373793	C	T	<i>ATP8B1</i>
18	55398906	T	G	<i>ATP8B1</i>
18	55992249	T	A	<i>NEDD4L</i>
18	56002750	C	G	<i>NEDD4L</i>
18	56149099	T	C	<i>ALPK2</i>
18	56184343	G	A	<i>ALPK2</i>
18	56191053	G	A	<i>ALPK2</i>
18	56191247	G	A	<i>ALPK2</i>

18	56202120	G	A	<i>ALPK2</i>
18	56202231	T	C	<i>ALPK2</i>
18	56202470	G	A	<i>ALPK2</i>
18	56202683	T	C	<i>ALPK2</i>
18	56203074	G	A	<i>ALPK2</i>
18	56203146	T	C	<i>ALPK2</i>
18	56203253	AAG	-	<i>ALPK2</i>
18	56203629	C	T	<i>ALPK2</i>
18	56203682	G	T	<i>ALPK2</i>
18	56203898	T	G	<i>ALPK2</i>
18	56204250	A	C	<i>ALPK2</i>
18	56204388	CAGTTGATGTG-		<i>ALPK2</i>
18	56204489	C	G	<i>ALPK2</i>
18	56204671	A	T	<i>ALPK2</i>
18	56204747	G	A	<i>ALPK2</i>
18	56204768	G	A	<i>ALPK2</i>
18	56204796	T	G	<i>ALPK2</i>
18	56204932	T	G	<i>ALPK2</i>
18	56204943	G	T	<i>ALPK2</i>
18	56204945	C	G	<i>ALPK2</i>
18	56204991	C	T	<i>ALPK2</i>
18	56205262	A	C	<i>ALPK2</i>
18	56246450	C	T	<i>ALPK2</i>
18	56246930	C	T	<i>ALPK2</i>
18	56247152	C	A	<i>ALPK2</i>
18	56247404	C	T	<i>ALPK2</i>
18	56247600	C	A	<i>ALPK2</i>
18	56279025	T	G	<i>ALPK2</i>
18	56367823	A	G	<i>MALT1</i>
18	56586019	C	T	<i>ZNF532</i>
18	56586091	C	T	<i>ZNF532</i>
18	56586276	C	G	<i>ZNF532</i>
18	57000469	T	A	<i>LMAN1</i>
18	57026361	A	G	<i>LMAN1</i>
18	57026364	G	A	<i>LMAN1</i>
18	57026436	C	T	<i>LMAN1</i>
18	57103297	T	G	<i>CCBE1</i>
18	57106955	G	A	<i>CCBE1</i>
18	57136725	C	T	<i>CCBE1</i>
18	58038832	T	G	<i>MC4R</i>
18	58039248	G	A	<i>MC4R</i>
18	58039276	C	T	<i>MC4R</i>
18	59174759	C	A	<i>CDH20</i>

18	59483281	T	C	<i>RNF152</i>
18	59483587	A	G	<i>RNF152</i>
18	59713173	A	C	<i>PIGN</i>
18	59757754	T	C	<i>PIGN</i>
18	59780393	T	A	<i>PIGN</i>
18	59821843	T	C	<i>PIGN</i>
18	59824440	C	G	<i>PIGN</i>
18	59828420	G	A	<i>PIGN</i>
18	59925286	A	G	<i>KIAA1468</i>
18	60027241	C	T	<i>TNFRSF11A</i>
18	60029014	A	G	<i>TNFRSF11A</i>
18	60036429	G	A	<i>TNFRSF11A</i>
18	60052034	A	G	<i>TNFRSF11A</i>
18	60230244	A	G	<i>ZCCHC2</i>
18	60232248	A	G	<i>ZCCHC2</i>
18	60241617	C	T	<i>ZCCHC2</i>
18	60383982	G	A	<i>PHLPP1</i>
18	60497393	T	C	<i>PHLPP1</i>
18	60563131	A	C	<i>PHLPP1</i>
18	60563225	A	G	<i>PHLPP1</i>
18	60646248	CAG	-	<i>PHLPP1</i>
18	61078799	G	C	<i>VPS4B</i>
18	61160287	T	C	<i>SERPINB5</i>
18	61160320	G	C	<i>SERPINB5</i>
18	61170782	A	G	<i>SERPINB5</i>
18	61225591	C	T	<i>SERPINB12</i>
18	61233907	C	T	<i>SERPINB12</i>
18	61234039	A	G	<i>SERPINB12</i>
18	61260155	C	T	<i>SERPINB13</i>
18	61264298	G	A	<i>SERPINB13</i>
18	61310738	T	C	<i>SERPINB4</i>
18	61322980	C	T	<i>SERPINB3</i>
18	61322995	T	C	<i>SERPINB3</i>
18	61322998	G	A	<i>SERPINB3</i>
18	61323011	-	GCCA	<i>SERPINB3</i>
18	61323012	C	G	<i>SERPINB3</i>
18	61323014	T	-	<i>SERPINB3</i>
18	61324214	A	G	<i>SERPINB3</i>
18	61328045	C	A	<i>SERPINB3</i>
18	61387312	G	A	<i>SERPINB11</i>
18	61387333	T	A	<i>SERPINB11</i>
18	61390332	C	T	<i>SERPINB11</i>
18	61390515	T	C	<i>SERPINB11</i>

18	61471523	G	A	<i>SERPINB7</i>
18	61471529	C	T	<i>SERPINB7</i>
18	61562568	G	A	<i>SERPINB2</i>
18	61564394	A	G	<i>SERPINB2</i>
18	61569091	G	C	<i>SERPINB2</i>
18	61569697	A	G	<i>SERPINB2</i>
18	61570402	G	A	<i>SERPINB2</i>
18	61582751	T	G	<i>SERPINB10</i>
18	61582867	A	G	<i>SERPINB10</i>
18	61584726	G	T	<i>SERPINB10</i>
18	61585247	C	G	<i>SERPINB10</i>
18	61585260	T	C	<i>SERPINB10</i>
18	61585302	C	T	<i>SERPINB10</i>
18	61587053	G	A	<i>SERPINB10</i>
18	61587067	C	T	<i>SERPINB10</i>
18	61600384	C	T	<i>SERPINB10</i>
18	61647069	G	A	<i>SERPINB8</i>
18	61654237	C	T	<i>SERPINB8</i>
18	61654259	C	G	<i>SERPINB8</i>
18	61654297	A	G	<i>SERPINB8</i>
18	63476982	A	G	<i>CDH7</i>
18	63525114	T	A	<i>CDH7</i>
18	63530016	A	G	<i>CDH7</i>
18	64172434	C	G	<i>CDH19</i>
18	64211251	C	T	<i>CDH19</i>
18	64211445	T	G	<i>CDH19</i>
18	65179022	G	A	<i>DSEL</i>
18	65179646	C	T	<i>DSEL</i>
18	65179657	T	C	<i>DSEL</i>
18	65179829	G	A	<i>DSEL</i>
18	65180987	C	T	<i>DSEL</i>
18	66348256	C	T	<i>TMX3</i>
18	66348328	C	T	<i>TMX3</i>
18	66364531	T	C	<i>TMX3</i>
18	66504176	C	G	<i>CCDC102B</i>
18	66504459	A	T	<i>CCDC102B</i>
18	66513612	G	A	<i>CCDC102B</i>
18	66513615	A	G	<i>CCDC102B</i>
18	66542006	G	T	<i>CCDC102B</i>
18	67266681	C	T	<i>DOK6</i>
18	67508495	C	T	<i>DOK6</i>
18	67508533	G	A	<i>DOK6</i>
18	67531573	G	A	<i>CD226</i>

18	67531642	T	C	CD226
18	67534642	C	T	CD226
18	67540422	AAC	-	CD226
18	67563152	C	T	CD226
18	67673697	C	T	RTTN
18	67684875	C	A	RTTN
18	67687966	C	A	RTTN
18	67718688	A	G	RTTN
18	67721409	T	C	RTTN
18	67721492	G	C	RTTN
18	67755334	G	A	RTTN
18	67794783	C	T	RTTN
18	67836115	G	T	RTTN
18	67864918	T	G	RTTN
18	67864923	C	G	RTTN
18	67871343	A	C	RTTN
18	70417396	C	T	NETO1
18	70417409	C	T	NETO1
18	70423384	-	A	NETO1
18	70532471	C	T	NETO1
18	71740743	A	G	FBXO15
18	71816278	G	A	TIMM21
18	71825639	G	A	TIMM21
18	72103782	T	C	FAM69C
18	72114455	C	T	FAM69C
18	72176083	T	C	CNDP2
18	72228124	A	G	CNDP1
18	72238472	C	A	CNDP1
18	72244208	G	A	CNDP1
18	72245535	C	A	CNDP1
18	72343156	A	G	ZNF407
18	72343181	A	G	ZNF407
18	72343402	G	T	ZNF407
18	72344509	G	A	ZNF407
18	72345890	A	C	ZNF407
18	72775684	G	A	ZNF407
18	72775754	A	G	ZNF407
18	72998899	G	A	TSHZ1
18	72999359	T	C	TSHZ1
18	74090864	A	G	ZNF516
18	74155000	T	C	ZNF516
18	74580780	C	T	ZNF236
18	74592121	C	T	ZNF236

18	74611127	A	G	ZNF236
18	74611130	C	T	ZNF236
18	74616372	A	C	ZNF236
18	74616374	A	G	ZNF236
18	74620329	A	G	ZNF236
18	74728823	C	T	MBP
18	74980601	A	T	GALR1
18	74980809	G	A	GALR1
18	76754584	G	A	SALL3
18	76756988	T	C	SALL3
18	76873346	G	A	ATP9B
18	76886325	A	T	ATP9B
18	77097360	A	T	ATP9B
18	77170477	C	A	NFATC1
18	77171344	C	G	NFATC1
18	77227591	A	C	NFATC1
18	77246394	G	A	NFATC1
18	77246406	T	G	NFATC1
18	77246797	C	T	NFATC1
18	77455227	C	T	CTDP1
18	77473127	C	T	CTDP1
18	77474679	T	C	CTDP1
18	77474947	C	T	CTDP1
18	77475190	-	GGA	CTDP1
18	77805856	A	C	RBFA
18	77805896	G	T	RBFA
18	77805949	A	C	RBFA
18	77893552	A	G	ADNP2
18	77894470	A	G	ADNP2
18	77894643	TCCTGCAGGCC-		ADNP2
18	77894660	-	TCCTGCAGGCC	ADNP2
18	77894865	C	A	ADNP2
18	77896253	G	A	ADNP2
18	77918286	C	T	PARD6G
19	281468	G	A	PLPP2
19	282181	C	T	PLPP2
19	282753	G	A	PLPP2
19	287703	G	A	PLPP2
19	288109	C	T	PLPP2
19	288123	C	T	PLPP2
19	307282	T	C	MIER2
19	307345	G	A	MIER2
19	308813	G	A	MIER2

19	327207	T	C	<i>MIER2</i>
19	334440	T	G	<i>MIER2</i>
19	362283	C	T	<i>THEG</i>
19	367089	G	A	<i>THEG</i>
19	372661	C	A	<i>THEG</i>
19	372689	G	A	<i>THEG</i>
19	375735	T	C	<i>THEG</i>
19	408325	G	A	<i>C2CD4C</i>
19	418948	C	T	<i>SHC2</i>
19	422199	C	T	<i>SHC2</i>
19	464310	A	G	<i>ODF3L2</i>
19	501785	-	AGGAG	<i>MADCAM1</i>
19	501810	C	A	<i>MADCAM1</i>
19	501814	-	CCT	<i>MADCAM1</i>
19	501817	C	-	<i>MADCAM1</i>
19	501818	G	-	<i>MADCAM1</i>
19	501818	-	ACA	<i>MADCAM1</i>
19	501818	G	C	<i>MADCAM1</i>
19	501819	C	A	<i>MADCAM1</i>
19	501821	C	A	<i>MADCAM1</i>
19	544105	GCCCTGGGGG	-	<i>GZMM</i>
19	544108	C	-	<i>GZMM</i>
19	547346	C	T	<i>GZMM</i>
19	548612	G	A	<i>GZMM</i>
19	548630	C	A	<i>GZMM</i>
19	549063	C	T	<i>GZMM</i>
19	549171	C	T	<i>GZMM</i>
19	572680	A	G	<i>BSG</i>
19	617466	A	G	<i>POLRMT</i>
19	622336	T	G	<i>POLRMT</i>
19	622347	C	G	<i>POLRMT</i>
19	624894	T	A	<i>POLRMT</i>
19	643250	G	A	<i>FGF22</i>
19	681655	C	G	<i>FSTL3</i>
19	687035	T	A	<i>PRSS57</i>
19	687112	G	A	<i>PRSS57</i>
19	731144	A	G	<i>PALM</i>
19	740436	G	A	<i>PALM</i>
19	746350	G	A	<i>PALM</i>
19	757241	G	A	<i>MISP</i>
19	757412	A	G	<i>MISP</i>
19	757752	G	A	<i>MISP</i>
19	758613	G	A	<i>MISP</i>

19	763508	A	G	MISP
19	814526	C	G	PLPPR3
19	829612	G	A	AZU1
19	830820	G	A	AZU1
19	830841	G	A	AZU1
19	831816	T	-	AZU1
19	844020	G	A	PRTN3
19	846331	A	T	PRTN3
19	847944	G	A	PRTN3
19	856130	C	T	ELANE
19	868105	G	A	MED16
19	868108	C	G	MED16
19	868115	C	T	MED16
19	897519	C	T	R3HDM4
19	932503	G	A	ARID3A
19	971949	-	GCA	ARID3A
19	984537	A	G	WDR18
19	991129	G	A	WDR18
19	1004687	T	C	GRIN3B
19	1004710	C	T	GRIN3B
19	1004872	G	A	GRIN3B
19	1004896	-	CGTT	GRIN3B
19	1005230	C	T	GRIN3B
19	1005334	A	G	GRIN3B
19	1007866	C	A	GRIN3B
19	1007887	T	C	GRIN3B
19	1042809	A	G	ABCA7
19	1045173	G	A	ABCA7
19	1047537	A	C	ABCA7
19	1050996	G	A	ABCA7
19	1051006	G	A	ABCA7
19	1051944	G	A	ABCA7
19	1055191	G	A	ABCA7
19	1057343	G	A	ABCA7
19	1058176	A	G	ABCA7
19	1068738	G	A	HMHA1
19	1074000	A	T	HMHA1
19	1079959	G	A	HMHA1
19	1085965	C	T	HMHA1
19	1094004	G	A	POLR2E
19	1095271	T	C	POLR2E
19	1113610	C	T	SBNO2
19	1113701	G	A	SBNO2

19	1223125	C	G	STK11
19	1226555	C	T	STK11
19	1233553	G	T	CBARP
19	1235878	C	A	CBARP
19	1255631	C	T	MIDN
19	1360194	C	T	MUM1
19	1360408	C	T	MUM1
19	1360575	G	A	MUM1
19	1370925	G	A	MUM1
19	1376567	C	T	MUM1
19	1453313	C	T	APC2
19	1455153	T	C	APC2
19	1468408	C	A	APC2
19	1482396	G	A	PCSK4
19	1484105	C	G	PCSK4
19	1487195	G	A	PCSK4
19	1489817	C	T	PCSK4
19	1490285	G	A	PCSK4
19	1496404	G	A	REEP6
19	1506135	C	T	ADAMTSL5
19	1507585	C	A	ADAMTSL5
19	1555363	-	GGCTGCGGGG	MEX3D
19	1620975	C	T	TCF3
19	1621908	GAG	-	TCF3
19	1627365	A	G	TCF3
19	1627422	T	C	TCF3
19	1775183	G	C	ONECUT3
19	1783146	T	G	ATP8B3
19	1783237	CTC	-	ATP8B3
19	1783239	C	-	ATP8B3
19	1785185	C	T	ATP8B3
19	1785550	G	A	ATP8B3
19	1785587	C	T	ATP8B3
19	1787157	A	T	ATP8B3
19	1788909	C	T	ATP8B3
19	1792019	C	T	ATP8B3
19	1795984	G	A	ATP8B3
19	1796166	C	T	ATP8B3
19	1806667	C	T	ATP8B3
19	1811603	C	T	ATP8B3
19	1816490	C	A	REXO1
19	1818839	G	A	REXO1
19	1821637	A	G	REXO1

19	1825928	CTC	-	REXO1
19	1827503	G	A	REXO1
19	1827565	A	G	REXO1
19	1827826	G	A	REXO1
19	1828148	G	A	REXO1
19	1828152	G	C	REXO1
19	1828319	C	T	REXO1
19	1880950	T	C	ABHD17A
19	1918134	G	A	SCAMP4
19	1923155	C	T	SCAMP4
19	1924189	C	T	SCAMP4
19	1987562	C	A	BTBD2
19	2039727	C	T	MKNK2
19	2039746	C	T	MKNK2
19	2050823	G	T	MKNK2
19	2073407	C	T	MOB3A
19	2076974	T	G	MOB3A
19	2098063	A	T	IZUMO4
19	2098096	C	T	IZUMO4
19	2099012	A	G	IZUMO4
19	2099288	C	T	IZUMO4
19	2109157	T	C	AP3D1
19	2118692	C	T	AP3D1
19	2210451	C	G	DOT1L
19	2222325	G	A	DOT1L
19	2234004	G	A	PLEKHJ1
19	2247826	G	T	SF3A2
19	2249366	T	G	AMH
19	2249384	C	T	AMH
19	2249477	G	T	AMH
19	2250351	C	T	AMH
19	2250389	G	A	AMH
19	2252910	C	A	JSRP1
19	2252990	C	G	JSRP1
19	2255311	C	G	JSRP1
19	2278755	C	T	C19orf35
19	2280885	G	A	C19orf35
19	2290977	G	A	LINGO3
19	2291501	T	A	LINGO3
19	2389872	G	C	TMPRSS9
19	2396536	G	A	TMPRSS9
19	2396611	C	T	TMPRSS9
19	2405456	C	T	TMPRSS9

19	2408427	C	T	<i>TMPRSS9</i>
19	2408448	G	A	<i>TMPRSS9</i>
19	2408530	G	A	<i>TMPRSS9</i>
19	2413911	G	A	<i>TMPRSS9</i>
19	2416756	G	A	<i>TMPRSS9</i>
19	2476388	A	G	<i>GADD45B</i>
19	2477067	GAG	-	<i>GADD45B</i>
19	2733090	C	T	<i>SLC39A3</i>
19	2733188	C	T	<i>SLC39A3</i>
19	2769000	C	G	<i>SGTA</i>
19	2799757	C	T	<i>THOP1</i>
19	2808399	A	T	<i>THOP1</i>
19	2833802	A	G	<i>ZNF554</i>
19	2833864	G	A	<i>ZNF554</i>
19	2833943	G	A	<i>ZNF554</i>
19	2852412	A	G	<i>ZNF555</i>
19	2877365	C	T	<i>ZNF556</i>
19	2877426	C	T	<i>ZNF556</i>
19	2916111	T	G	<i>ZNF57</i>
19	2917178	G	A	<i>ZNF57</i>
19	2917542	A	G	<i>ZNF57</i>
19	2933603	GAA	-	<i>ZNF77</i>
19	2934175	G	A	<i>ZNF77</i>
19	2934625	C	T	<i>ZNF77</i>
19	2936535	G	A	<i>ZNF77</i>
19	2936664	G	C	<i>ZNF77</i>
19	2939396	T	C	<i>ZNF77</i>
19	2939401	C	G	<i>ZNF77</i>
19	2987898	C	T	<i>TLE6</i>
19	3000655	C	T	<i>TLE2</i>
19	3011086	C	T	<i>TLE2</i>
19	3011109	G	A	<i>TLE2</i>
19	3150238	A	G	<i>GNA15</i>
19	3151780	G	A	<i>GNA15</i>
19	3179427	G	A	<i>S1PR4</i>
19	3179517	C	T	<i>S1PR4</i>
19	3198841	G	C	<i>NCLN</i>
19	3207646	A	G	<i>NCLN</i>
19	3453857	C	T	<i>NFIC</i>
19	3478418	T	C	<i>SMIM24</i>
19	3478456	G	A	<i>SMIM24</i>
19	3478864	A	G	<i>SMIM24</i>
19	3539203	C	T	<i>C19orf71</i>

19	3543380	C	G	<i>C19orf71</i>
19	3543397	C	T	<i>C19orf71</i>
19	3546264	C	T	<i>MFSD12</i>
19	3546303	T	C	<i>MFSD12</i>
19	3548231	A	G	<i>MFSD12</i>
19	3576922	A	G	<i>HMG20B</i>
19	3590105	G	A	<i>GIPC3</i>
19	3613227	CCTCGC	-	<i>CACTIN</i>
19	3613232	-	CCTCGC	<i>CACTIN</i>
19	3624005	G	A	<i>CACTIN</i>
19	3651960	G	A	<i>PIP5K1C</i>
19	3728609	G	A	<i>TJP3</i>
19	3730462	T	G	<i>TJP3</i>
19	3730552	G	A	<i>TJP3</i>
19	3746491	T	A	<i>TJP3</i>
19	3747910	G	A	<i>TJP3</i>
19	3750615	T	C	<i>TJP3</i>
19	3751082	G	A	<i>APBA3</i>
19	3752874	A	G	<i>APBA3</i>
19	3752927	C	T	<i>APBA3</i>
19	3754071	C	A	<i>APBA3</i>
19	3759730	G	A	<i>APBA3</i>
19	3760027	G	A	<i>APBA3</i>
19	3771586	G	A	<i>RAX2</i>
19	3778219	C	T	<i>MATK</i>
19	3813906	A	C	<i>ZFR2</i>
19	3816817	A	G	<i>ZFR2</i>
19	3821408	G	A	<i>ZFR2</i>
19	3831525	C	A	<i>ZFR2</i>
19	3831709	C	T	<i>ZFR2</i>
19	3831765	G	A	<i>ZFR2</i>
19	3834863	C	T	<i>ZFR2</i>
19	3852583	A	T	<i>ZFR2</i>
19	3942110	G	A	<i>NMRK2</i>
19	4013276	A	T	<i>PIAS4</i>
19	4159747	G	A	<i>CREB3L3</i>
19	4171445	C	T	<i>CREB3L3</i>
19	4180836	C	T	<i>SIRT6</i>
19	4199944	G	A	<i>ANKRD24</i>
19	4200098	G	A	<i>ANKRD24</i>
19	4200156	G	A	<i>ANKRD24</i>
19	4207293	T	C	<i>ANKRD24</i>
19	4207852	C	T	<i>ANKRD24</i>

19	4208788	C	T	ANKRD24
19	4210356	G	A	ANKRD24
19	4216910	G	A	ANKRD24
19	4217220	G	C	ANKRD24
19	4236996	G	A	EBI3
19	4267681	C	T	CCDC94
19	4283059	G	A	SHD
19	4284802	A	C	SHD
19	4288332	A	G	SHD
19	4292702	G	A	TMIGD2
19	4292841	C	G	TMIGD2
19	4294623	C	A	TMIGD2
19	4294807	G	A	TMIGD2
19	4328755	G	C	STAP2
19	4354080	C	T	MPND
19	4359191	C	T	MPND
19	4409184	C	T	CHAF1A
19	4432123	G	A	CHAF1A
19	4433253	G	A	CHAF1A
19	4433466	C	T	CHAF1A
19	4442336	C	T	CHAF1A
19	4442999	T	G	CHAF1A
19	4491632	GAG	-	HDGFRP2
19	4493979	C	T	HDGFRP2
19	4499597	A	G	HDGFRP2
19	4508905	C	T	PLIN4
19	4510850	G	A	PLIN4
19	4510938	C	T	PLIN4
19	4511502	C	-	PLIN4
19	4511502	CGGTCT	-	PLIN4
19	4511503	G	-	PLIN4
19	4511510	GCCGTGTCTAC	-	PLIN4
19	4511511	C	-	PLIN4
19	4511512	C	-	PLIN4
19	4511517	CTA	-	PLIN4
19	4511521	A	-	PLIN4
19	4512629	C	T	PLIN4
19	4513559	A	G	PLIN4
19	4523694	G	A	PLIN5
19	4538218	G	A	LRG1
19	4538599	G	A	LRG1
19	4538806	C	T	LRG1
19	4652362	G	A	TNFAIP8L1

19	4689635	C	T	<i>DPP9</i>
19	4694724	C	T	<i>DPP9</i>
19	4704192	G	C	<i>DPP9</i>
19	4816688	C	T	<i>TICAM1</i>
19	4816829	C	T	<i>TICAM1</i>
19	4817911	G	A	<i>TICAM1</i>
19	4844790	G	C	<i>PLIN3</i>
19	4852151	C	T	<i>PLIN3</i>
19	4859631	G	T	<i>PLIN3</i>
19	4859937	T	C	<i>PLIN3</i>
19	4891207	C	T	<i>ARRDC5</i>
19	4902680	C	T	<i>ARRDC5</i>
19	5135392	A	G	<i>KDM4B</i>
19	5214697	A	G	<i>PTPRS</i>
19	5215552	C	T	<i>PTPRS</i>
19	5220098	C	T	<i>PTPRS</i>
19	5240271	G	A	<i>PTPRS</i>
19	5286072	C	T	<i>PTPRS</i>
19	5455543	G	C	<i>ZNRF4</i>
19	5455611	C	T	<i>ZNRF4</i>
19	5455735	G	A	<i>ZNRF4</i>
19	5455800	G	A	<i>ZNRF4</i>
19	5590371	C	T	<i>SAFB2</i>
19	5604875	T	C	<i>SAFB2</i>
19	5667422	G	A	<i>SAFB</i>
19	5668241	G	A	<i>SAFB</i>
19	5687861	C	T	<i>HSD11B1L</i>
19	5691464	GGTAGGTGGG(-		<i>RPL36</i>
19	5691464	GGTAGGTGGG(-		<i>RPL36</i>
19	5692192	C	T	<i>LONP1</i>
19	5693616	C	T	<i>LONP1</i>
19	5694903	C	G	<i>LONP1</i>
19	5696093	A	C	<i>LONP1</i>
19	5696280	C	T	<i>LONP1</i>
19	5696339	G	A	<i>LONP1</i>
19	5705841	C	T	<i>LONP1</i>
19	5711910	C	T	<i>LONP1</i>
19	5711930	C	T	<i>LONP1</i>
19	5711996	T	A	<i>LONP1</i>
19	5719876	C	G	<i>LONP1</i>
19	5727283	G	A	<i>CATSPERD</i>
19	5733874	T	C	<i>CATSPERD</i>
19	5733931	A	C	<i>CATSPERD</i>

19	5744499	T	C	CATSPERD
19	5748257	A	G	CATSPERD
19	5751687	C	G	CATSPERD
19	5772897	C	T	CATSPERD
19	5772950	G	A	CATSPERD
19	5778517	A	T	CATSPERD
19	5783515	G	A	PRR22
19	5783614	T	A	PRR22
19	5785449	C	T	DUS3L
19	5789565	T	C	DUS3L
19	5790284	C	T	DUS3L
19	5844406	G	T	FUT3
19	5844537	A	G	FUT3
19	5844547	G	T	FUT3
19	5844649	G	A	FUT3
19	5844792	A	C	FUT3
19	5867549	C	G	FUT5
19	5908968	C	T	VMAC
19	5908969	G	A	VMAC
19	5914422	A	G	CAPS
19	5914470	G	A	CAPS
19	5915300	C	A	CAPS
19	5923888	T	C	RANBP3
19	5925721	C	T	RANBP3
19	6008188	A	C	RFX2
19	6042059	C	T	RFX2
19	6141593	T	A	ACSBG2
19	6156483	T	C	ACSBG2
19	6156510	A	G	ACSBG2
19	6183135	C	G	ACSBG2
19	6183185	C	A	ACSBG2
19	6185506	T	C	ACSBG2
19	6187680	G	A	ACSBG2
19	6187686	G	A	ACSBG2
19	6187800	G	A	ACSBG2
19	6187805	G	C	ACSBG2
19	6306857	C	T	ACER1
19	6307246	C	T	ACER1
19	6312290	T	C	ACER1
19	6333498	G	A	ACER1
19	6374890	G	A	ALKBH7
19	6375505	G	A	PSPN
19	6381628	T	C	GTF2F1

19	6421296	G	T	<i>KHSRP</i>
19	6422423	C	A	<i>KHSRP</i>
19	6427433	C	T	<i>SLC25A41</i>
19	6430106	C	T	<i>SLC25A41</i>
19	6432100	G	A	<i>SLC25A41</i>
19	6432112	G	A	<i>SLC25A41</i>
19	6433629	G	C	<i>SLC25A41</i>
19	6452423	C	T	<i>SLC25A23</i>
19	6467910	T	C	<i>DENND1C</i>
19	6467966	G	A	<i>DENND1C</i>
19	6468331	T	C	<i>DENND1C</i>
19	6477281	G	T	<i>DENND1C</i>
19	6534728	G	C	<i>TNFSF9</i>
19	6534761	G	A	<i>TNFSF9</i>
19	6665020	T	C	<i>TNFSF14</i>
19	6670070	C	A	<i>TNFSF14</i>
19	6678030	T	G	<i>C3</i>
19	6707931	C	T	<i>C3</i>
19	6713262	G	A	<i>C3</i>
19	6718146	T	G	<i>C3</i>
19	6718387	G	C	<i>C3</i>
19	6733302	C	T	<i>GPR108</i>
19	6733582	G	A	<i>GPR108</i>
19	6733923	C	A	<i>GPR108</i>
19	6734232	G	A	<i>GPR108</i>
19	6734292	T	C	<i>GPR108</i>
19	6735929	C	T	<i>GPR108</i>
19	6736607	A	G	<i>GPR108</i>
19	6751279	A	G	<i>TRIP10</i>
19	6751281	C	T	<i>TRIP10</i>
19	6751293	T	G	<i>TRIP10</i>
19	6754093	G	A	<i>SH2D3A</i>
19	6754168	G	C	<i>SH2D3A</i>
19	6755113	C	T	<i>SH2D3A</i>
19	6755155	T	C	<i>SH2D3A</i>
19	6755179	C	T	<i>SH2D3A</i>
19	6759631	C	T	<i>SH2D3A</i>
19	6759632	G	A	<i>SH2D3A</i>
19	6760974	T	C	<i>SH2D3A</i>
19	6850767	C	T	<i>VAV1</i>
19	6887624	G	T	<i>ADGRE1</i>
19	6896483	G	A	<i>ADGRE1</i>
19	6897464	C	G	<i>ADGRE1</i>

19	6901891	G	A	<i>ADGRE1</i>
19	6901923	G	T	<i>ADGRE1</i>
19	6901961	G	C	<i>ADGRE1</i>
19	6903920	A	G	<i>ADGRE1</i>
19	6904137	C	T	<i>ADGRE1</i>
19	6906503	C	T	<i>ADGRE1</i>
19	6913707	C	T	<i>ADGRE1</i>
19	6913811	A	G	<i>ADGRE1</i>
19	6919624	A	C	<i>ADGRE1</i>
19	6937658	C	T	<i>ADGRE1</i>
19	7082007	G	A	<i>ZNF557</i>
19	7132173	G	C	<i>INSR</i>
19	7150532	G	A	<i>INSR</i>
19	7505163	C	T	<i>ARHGEF18</i>
19	7512016	C	G	<i>ARHGEF18</i>
19	7528734	A	G	<i>ARHGEF18</i>
19	7533786	G	A	<i>ARHGEF18</i>
19	7533823	C	T	<i>ARHGEF18</i>
19	7533891	G	A	<i>ARHGEF18</i>
19	7542168	G	A	<i>PEX11G</i>
19	7569245	A	G	<i>C19orf45</i>
19	7571030	T	A	<i>C19orf45</i>
19	7573158	G	A	<i>C19orf45</i>
19	7584223	A	G	<i>ZNF358</i>
19	7593048	C	T	<i>MCOLN1</i>
19	7607741	C	T	<i>PNPLA6</i>
19	7676462	C	T	<i>CAMSAP3</i>
19	7677354	G	C	<i>CAMSAP3</i>
19	7680136	G	C	<i>CAMSAP3</i>
19	7685821	G	T	<i>XAB2</i>
19	7687293	C	T	<i>XAB2</i>
19	7687680	C	T	<i>XAB2</i>
19	7689247	C	T	<i>XAB2</i>
19	7694391	G	C	<i>XAB2</i>
19	7708058	C	T	<i>STXBP2</i>
19	7710134	C	T	<i>STXBP2</i>
19	7711153	C	T	<i>STXBP2</i>
19	7712277	A	G	<i>STXBP2</i>
19	7712287	G	C	<i>STXBP2</i>
19	7743821	A	G	<i>MCEMP1</i>
19	7743869	C	T	<i>MCEMP1</i>
19	7747293	T	G	<i>TRAPPC5</i>
19	7754194	C	T	<i>FCER2</i>

19	7762440	C	T	<i>FCER2</i>
19	7763248	G	A	<i>FCER2</i>
19	7763669	C	T	<i>FCER2</i>
19	7796958	C	T	<i>CLEC4G</i>
19	7828277	A	G	<i>CLEC4M</i>
19	7831007	A	G	<i>CLEC4M</i>
19	7831628	G	A	<i>CLEC4M</i>
19	7963948	G	A	<i>LRRC8E</i>
19	7963949	A	G	<i>LRRC8E</i>
19	7963976	T	C	<i>LRRC8E</i>
19	7964617	C	T	<i>LRRC8E</i>
19	7964768	C	G	<i>LRRC8E</i>
19	7965685	C	G	<i>LRRC8E</i>
19	7986638	C	G	<i>SNAPC2</i>
19	7992976	T	C	<i>TIMM44</i>
19	7997576	G	T	<i>TIMM44</i>
19	7998386	G	C	<i>TIMM44</i>
19	8003021	T	C	<i>TIMM44</i>
19	8003040	C	T	<i>TIMM44</i>
19	8118000	A	G	<i>CCL25</i>
19	8121360	A	G	<i>CCL25</i>
19	8121369	C	T	<i>CCL25</i>
19	8130867	G	T	<i>FBN3</i>
19	8130933	C	T	<i>FBN3</i>
19	8138038	C	T	<i>FBN3</i>
19	8138054	C	A	<i>FBN3</i>
19	8138104	C	T	<i>FBN3</i>
19	8150382	C	T	<i>FBN3</i>
19	8150393	C	T	<i>FBN3</i>
19	8151132	C	G	<i>FBN3</i>
19	8152724	C	T	<i>FBN3</i>
19	8154519	T	G	<i>FBN3</i>
19	8159362	G	T	<i>FBN3</i>
19	8160334	G	A	<i>FBN3</i>
19	8160897	G	C	<i>FBN3</i>
19	8168538	C	T	<i>FBN3</i>
19	8168545	C	T	<i>FBN3</i>
19	8171067	C	T	<i>FBN3</i>
19	8175953	C	T	<i>FBN3</i>
19	8176890	C	G	<i>FBN3</i>
19	8176945	T	C	<i>FBN3</i>
19	8176947	T	C	<i>FBN3</i>
19	8182446	C	A	<i>FBN3</i>

19	8186255	C	A	<i>FBN3</i>
19	8186265	C	T	<i>FBN3</i>
19	8188812	C	T	<i>FBN3</i>
19	8188827	T	G	<i>FBN3</i>
19	8191184	C	T	<i>FBN3</i>
19	8196444	C	T	<i>FBN3</i>
19	8196587	G	A	<i>FBN3</i>
19	8200962	C	T	<i>FBN3</i>
19	8201121	C	T	<i>FBN3</i>
19	8203113	C	T	<i>FBN3</i>
19	8203328	G	A	<i>FBN3</i>
19	8203392	G	C	<i>FBN3</i>
19	8206844	A	G	<i>FBN3</i>
19	8206847	T	C	<i>FBN3</i>
19	8209854	T	A	<i>FBN3</i>
19	8212222	C	T	<i>FBN3</i>
19	8212229	G	A	<i>FBN3</i>
19	8320555	G	A	<i>CERS4</i>
19	8326866	C	T	<i>CERS4</i>
19	8326904	G	A	<i>CERS4</i>
19	8367709	C	T	<i>CD320</i>
19	8381489	T	G	<i>NDUFA7</i>
19	8389839	C	T	<i>KANK3</i>
19	8389893	TCC	-	<i>KANK3</i>
19	8397910	G	A	<i>KANK3</i>
19	8398006	C	T	<i>KANK3</i>
19	8429323	G	A	<i>ANGPTL4</i>
19	8434123	G	C	<i>ANGPTL4</i>
19	8436164	C	T	<i>ANGPTL4</i>
19	8436289	G	A	<i>ANGPTL4</i>
19	8486884	G	A	<i>MARCH2</i>
19	8503345	G	C	<i>MARCH2</i>
19	8550656	-	CGCATGGGCTC	<i>HNRNPM</i>
19	8550858	GAGCGCATGG(-		<i>HNRNPM</i>
19	8563629	G	A	<i>PRAM1</i>
19	8578000	G	A	<i>ZNF414</i>
19	8578035	T	C	<i>ZNF414</i>
19	8587401	C	T	<i>MYO1F</i>
19	8587411	C	T	<i>MYO1F</i>
19	8592358	G	C	<i>MYO1F</i>
19	8651335	A	C	<i>ADAMTS10</i>
19	8656738	G	A	<i>ADAMTS10</i>
19	8656856	G	A	<i>ADAMTS10</i>

19	8661029	G	A	ADAMTS10
19	8669931	G	C	ADAMTS10
19	8808240	C	G	ACTL9
19	8808900	A	G	ACTL9
19	8808942	A	G	ACTL9
19	8841802	C	T	OR2Z1
19	8923892	C	T	ZNF558
19	8961981	C	G	MUC16
19	8966706	C	T	MUC16
19	8969344	A	G	MUC16
19	8969409	T	C	MUC16
19	8973988	C	T	MUC16
19	8979223	G	C	MUC16
19	8987218	G	T	MUC16
19	8997531	TGG	-	MUC16
19	9001833	A	G	MUC16
19	9003645	G	A	MUC16
19	9007514	T	A	MUC16
19	9008277	G	A	MUC16
19	9020153	C	T	MUC16
19	9026312	G	C	MUC16
19	9028340	T	A	MUC16
19	9028373	G	A	MUC16
19	9045821	G	A	MUC16
19	9046601	C	T	MUC16
19	9048035	G	C	MUC16
19	9048320	C	T	MUC16
19	9048342	C	T	MUC16
19	9049149	G	A	MUC16
19	9049224	T	C	MUC16
19	9049910	C	T	MUC16
19	9050081	C	T	MUC16
19	9050111	G	T	MUC16
19	9050219	C	T	MUC16
19	9056982	G	A	MUC16
19	9056989	C	G	MUC16
19	9057177	G	T	MUC16
19	9057408	A	G	MUC16
19	9057468	T	A	MUC16
19	9057721	C	T	MUC16
19	9057750	T	A	MUC16
19	9057896	G	C	MUC16
19	9058593	G	T	MUC16

19	9058828	A	C	MUC16
19	9058907	G	C	MUC16
19	9058942	C	T	MUC16
19	9059159	T	G	MUC16
19	9059181	G	A	MUC16
19	9059232	T	C	MUC16
19	9059307	C	T	MUC16
19	9059808	A	G	MUC16
19	9059827	A	G	MUC16
19	9060059	A	C	MUC16
19	9060085	C	T	MUC16
19	9060439	T	A	MUC16
19	9060541	C	T	MUC16
19	9061111	T	C	MUC16
19	9061537	C	T	MUC16
19	9062544	T	G	MUC16
19	9063678	T	G	MUC16
19	9065203	T	C	MUC16
19	9065551	T	C	MUC16
19	9065632	T	C	MUC16
19	9066001	T	C	MUC16
19	9066259	T	C	MUC16
19	9066874	G	T	MUC16
19	9067890	G	T	MUC16
19	9067935	G	T	MUC16
19	9068115	G	A	MUC16
19	9068374	A	G	MUC16
19	9068458	A	T	MUC16
19	9068530	C	T	MUC16
19	9068990	G	T	MUC16
19	9069660	G	A	MUC16
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19	9070837	G	A	MUC16
19	9070873	A	G	MUC16
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19	9071401	G	A	MUC16
19	9071562	C	T	MUC16
19	9071596	G	T	MUC16
19	9071763	T	A	MUC16
19	9071916	G	A	MUC16
19	9072313	A	G	MUC16

19	9072742	T	C	MUC16
19	9072886	G	C	MUC16
19	9072975	G	A	MUC16
19	9073628	G	T	MUC16
19	9073888	C	T	MUC16
19	9074265	G	A	MUC16
19	9074697	G	A	MUC16
19	9074950	G	T	MUC16
19	9075021	G	A	MUC16
19	9075217	T	A	MUC16
19	9075346	T	A	MUC16
19	9075370	T	C	MUC16
19	9075387	A	T	MUC16
19	9075565	C	T	MUC16
19	9075969	C	T	MUC16
19	9076083	G	A	MUC16
19	9076278	G	A	MUC16
19	9076523	G	C	MUC16
19	9076728	C	T	MUC16
19	9076858	C	T	MUC16
19	9076929	T	G	MUC16
19	9076950	C	A	MUC16
19	9077436	G	A	MUC16
19	9077581	G	T	MUC16
19	9077623	C	G	MUC16
19	9077803	T	C	MUC16
19	9082456	G	T	MUC16
19	9082514	C	A	MUC16
19	9083143	G	A	MUC16
19	9083791	G	A	MUC16
19	9084299	T	C	MUC16
19	9085004	T	C	MUC16
19	9085414	G	A	MUC16
19	9085958	A	G	MUC16
19	9086123	A	C	MUC16
19	9086143	C	T	MUC16
19	9086145	G	C	MUC16
19	9086318	G	A	MUC16
19	9086983	G	T	MUC16
19	9087615	T	A	MUC16
19	9087758	G	A	MUC16
19	9088330	G	A	MUC16
19	9088772	T	C	MUC16

19	9088931	G	T	<i>MUC16</i>
19	9089110	T	G	<i>MUC16</i>
19	9089974	C	T	<i>MUC16</i>
19	9090128	G	T	<i>MUC16</i>
19	9090182	T	C	<i>MUC16</i>
19	9090784	C	T	<i>MUC16</i>
19	9204284	C	T	<i>OR1M1</i>
19	9213079	A	C	<i>OR7G2</i>
19	9213132	A	G	<i>OR7G2</i>
19	9213651	C	T	<i>OR7G2</i>
19	9225662	T	C	<i>OR7G1</i>
19	9225685	T	C	<i>OR7G1</i>
19	9225940	G	A	<i>OR7G1</i>
19	9225973	G	A	<i>OR7G1</i>
19	9226017	C	G	<i>OR7G1</i>
19	9226017	C	A	<i>OR7G1</i>
19	9226192	A	G	<i>OR7G1</i>
19	9236888	C	T	<i>OR7G3</i>
19	9236917	G	-	<i>OR7G3</i>
19	9236969	G	A	<i>OR7G3</i>
19	9237542	T	C	<i>OR7G3</i>
19	9237554	G	A	<i>OR7G3</i>
19	9267319	G	T	<i>ZNF317</i>
19	9270817	A	G	<i>ZNF317</i>
19	9271561	G	A	<i>ZNF317</i>
19	9325252	G	A	<i>OR7D4</i>
19	9362297	C	T	<i>OR7E24</i>
19	9407055	T	C	<i>ZNF699</i>
19	9408660	G	A	<i>ZNF699</i>
19	9452698	G	A	<i>ZNF559</i>
19	9452879	C	A	<i>ZNF559</i>
19	9490760	A	G	<i>ZNF559</i>
19	9490814	C	T	<i>ZNF559</i>
19	9492370	A	T	<i>ZNF177</i>
19	9524715	A	G	<i>ZNF266</i>
19	9579809	C	A	<i>ZNF560</i>
19	9646898	G	A	<i>ZNF426</i>
19	9677547	G	A	<i>ZNF121</i>
19	9770071	C	T	<i>ZNF562</i>
19	9868278	T	C	<i>ZNF846</i>
19	9868404	C	T	<i>ZNF846</i>
19	9868686	T	A	<i>ZNF846</i>
19	9921762	A	G	<i>FBXL12</i>

19	9921880	G	A	<i>FBXL12</i>
19	9958804	G	T	<i>PIN1</i>
19	10071347	C	T	<i>COL5A3</i>
19	10076990	G	C	<i>COL5A3</i>
19	10084292	C	G	<i>COL5A3</i>
19	10084460	A	G	<i>COL5A3</i>
19	10097073	C	T	<i>COL5A3</i>
19	10097261	A	G	<i>COL5A3</i>
19	10097279	C	T	<i>COL5A3</i>
19	10112346	T	C	<i>COL5A3</i>
19	10114252	C	G	<i>COL5A3</i>
19	10114740	T	A	<i>COL5A3</i>
19	10116508	C	T	<i>COL5A3</i>
19	10116776	C	T	<i>COL5A3</i>
19	10129552	C	G	<i>RDH8</i>
19	10131999	T	C	<i>RDH8</i>
19	10132000	G	A	<i>RDH8</i>
19	10132318	T	C	<i>RDH8</i>
19	10204175	G	A	<i>ANGPTL6</i>
19	10220614	G	A	<i>PPAN</i>
19	10221227	C	T	<i>PPAN</i>
19	10221410	G	A	<i>PPAN</i>
19	10224523	C	T	<i>PPAN</i>
19	10224526	C	T	<i>PPAN</i>
19	10224548	G	A	<i>PPAN</i>
19	10225071	A	G	<i>PPAN</i>
19	10225208	C	T	<i>PPAN</i>
19	10225308	A	G	<i>PPAN</i>
19	10225335	G	A	<i>PPAN</i>
19	10247822	A	C	<i>DNMT1</i>
19	10273372	T	C	<i>DNMT1</i>
19	10283803	C	T	<i>DNMT1</i>
19	10334725	A	G	<i>S1PR2</i>
19	10363251	A	C	<i>MRPL4</i>
19	10363280	C	T	<i>MRPL4</i>
19	10369389	T	C	<i>MRPL4</i>
19	10370403	T	C	<i>MRPL4</i>
19	10385540	A	T	<i>ICAM1</i>
19	10394396	G	C	<i>ICAM1</i>
19	10394792	G	A	<i>ICAM1</i>
19	10395141	G	A	<i>ICAM1</i>
19	10395208	C	T	<i>ICAM1</i>
19	10395650	C	T	<i>ICAM1</i>

19	10395683	A	G	<i>ICAM1</i>
19	10395796	C	T	<i>ICAM1</i>
19	10395877	C	T	<i>ICAM1</i>
19	10398465	C	T	<i>ICAM4</i>
19	10403368	G	A	<i>ICAM5</i>
19	10415781	T	C	<i>ZGLP1</i>
19	10415795	A	C	<i>ZGLP1</i>
19	10416136	G	A	<i>ZGLP1</i>
19	10426597	T	C	<i>FDX1L</i>
19	10428162	C	G	<i>RAVER1</i>
19	10431344	A	G	<i>RAVER1</i>
19	10444074	G	A	<i>RAVER1</i>
19	10444120	C	T	<i>RAVER1</i>
19	10444558	C	A	<i>ICAM3</i>
19	10444603	C	G	<i>ICAM3</i>
19	10449358	T	C	<i>ICAM3</i>
19	10449514	T	C	<i>ICAM3</i>
19	10461586	T	C	<i>TYK2</i>
19	10464843	G	A	<i>TYK2</i>
19	10475595	G	A	<i>TYK2</i>
19	10475649	C	T	<i>TYK2</i>
19	10475652	C	A	<i>TYK2</i>
19	10488926	C	T	<i>TYK2</i>
19	10577843	C	A	<i>PDE4A</i>
19	10597343	CTG	-	<i>KEAP1</i>
19	10602472	A	G	<i>KEAP1</i>
19	10624735	A	T	<i>S1PR5</i>
19	10625033	C	T	<i>S1PR5</i>
19	10655449	G	T	<i>ATG4D</i>
19	10655489	G	A	<i>ATG4D</i>
19	10664661	C	T	<i>KRI1</i>
19	10664873	G	C	<i>KRI1</i>
19	10665772	C	T	<i>KRI1</i>
19	10668673	A	G	<i>KRI1</i>
19	10670184	C	G	<i>KRI1</i>
19	10670351	C	T	<i>KRI1</i>
19	10670596	C	G	<i>KRI1</i>
19	10671694	A	C	<i>KRI1</i>
19	10672493	C	T	<i>KRI1</i>
19	10692511	C	T	<i>AP1M2</i>
19	10694295	T	C	<i>AP1M2</i>
19	10742166	C	T	<i>SLC44A2</i>
19	10742170	A	G	<i>SLC44A2</i>

19	10748382	G	C	SLC44A2
19	10883157	C	T	DNM2
19	10961024	C	G	C19orf38
19	11034582	C	T	YIPF2
19	11040268	G	A	C19orf52
19	11233886	C	T	LDLR
19	11240278	G	A	LDLR
19	11277247	G	A	KANK2
19	11277278	T	C	KANK2
19	11303554	A	G	KANK2
19	11303618	G	A	KANK2
19	11303789	T	C	KANK2
19	11303830	C	T	KANK2
19	11304404	C	T	KANK2
19	11312671	C	T	DOCK6
19	11319636	G	A	DOCK6
19	11319669	A	G	DOCK6
19	11324965	C	T	DOCK6
19	11326585	G	A	DOCK6
19	11332560	G	A	DOCK6
19	11347525	C	T	DOCK6
19	11350560	C	T	ANGPTL8
19	11350874	C	T	ANGPTL8
19	11358799	G	A	DOCK6
19	11362861	C	G	DOCK6
19	11364347	G	C	DOCK6
19	11408912	T	C	TSPAN16
19	11409560	A	G	TSPAN16
19	11447886	C	T	RAB3D
19	11460637	G	A	CCDC159
19	11465265	GGC	-	CCDC159
19	11465270	CAGTGCCTGAC	-	CCDC159
19	11465316	G	C	CCDC159
19	11470367	G	C	PLPPR2
19	11470370	C	G	PLPPR2
19	11473358	C	G	PLPPR2
19	11474420	G	A	PLPPR2
19	11486354	C	A	SWSAP1
19	11488725	G	A	EPOR
19	11488727	T	C	EPOR
19	11508177	G	A	RGL3
19	11508192	G	A	RGL3
19	11510743	G	A	RGL3

19	11517225	G	C	<i>RGL3</i>
19	11526759	G	A	<i>RGL3</i>
19	11526765	G	T	<i>RGL3</i>
19	11527628	C	T	<i>RGL3</i>
19	11541831	C	T	<i>CCDC151</i>
19	11545665	A	G	<i>CCDC151</i>
19	11545690	G	A	<i>CCDC151</i>
19	11552120	G	A	<i>PRKCSH</i>
19	11558275	G	A	<i>PRKCSH</i>
19	11559907	A	G	<i>PRKCSH</i>
19	11598527	C	T	<i>ZNF653</i>
19	11617073	C	T	<i>ECSIT</i>
19	11617079	C	T	<i>ECSIT</i>
19	11624709	G	A	<i>ECSIT</i>
19	11685989	G	A	<i>ACP5</i>
19	11687195	C	T	<i>ACP5</i>
19	11687351	C	T	<i>ACP5</i>
19	11687621	C	T	<i>ACP5</i>
19	11727671	G	A	<i>ZNF627</i>
19	11891003	G	A	<i>ZNF441</i>
19	11892255	G	C	<i>ZNF441</i>
19	11916890	C	T	<i>ZNF491</i>
19	11917958	A	G	<i>ZNF491</i>
19	11943636	G	A	<i>ZNF440</i>
19	12089709	T	C	<i>ZNF763</i>
19	12089743	C	T	<i>ZNF763</i>
19	12154799	G	C	<i>ZNF878</i>
19	12186611	A	G	<i>ZNF844</i>
19	12186732	A	G	<i>ZNF844</i>
19	12186857	G	C	<i>ZNF844</i>
19	12186921	T	C	<i>ZNF844</i>
19	12186971	TTATC	-	<i>ZNF844</i>
19	12187861	T	G	<i>ZNF844</i>
19	12187907	G	A	<i>ZNF844</i>
19	12244199	T	G	<i>ZNF20</i>
19	12297520	A	C	<i>ZNF136</i>
19	12385848	C	G	<i>ZNF44</i>
19	12430462	G	A	<i>ZNF563</i>
19	12432140	ATC	-	<i>ZNF563</i>
19	12460600	T	C	<i>ZNF442</i>
19	12462839	G	A	<i>ZNF442</i>
19	12501731	T	C	<i>ZNF799</i>
19	12502301	G	A	<i>ZNF799</i>

19	12502787	G	A	ZNF799
19	12542653	T	G	ZNF443
19	12542654	T	A	ZNF443
19	12767849	C	A	MAN2B1
19	12768948	T	C	MAN2B1
19	12772090	C	T	MAN2B1
19	12772165	G	A	MAN2B1
19	12774196	G	A	MAN2B1
19	12774208	G	C	MAN2B1
19	12780204	T	C	WDR83OS
19	12781514	A	G	WDR83
19	12786370	G	A	WDR83
19	12792390	T	C	DHPS
19	12800595	C	T	FBXW9
19	12800597	T	C	FBXW9
19	12802009	T	C	FBXW9
19	12805424	C	T	FBXW9
19	12805431	T	C	FBXW9
19	12807187	C	T	FBXW9
19	12807315	G	T	FBXW9
19	12866555	TTC	-	BEST2
19	12868805	A	G	BEST2
19	12868839	C	G	BEST2
19	12874208	G	A	HOOK2
19	12874383	C	T	HOOK2
19	12876964	G	C	HOOK2
19	12878249	C	T	HOOK2
19	12921186	T	C	RNASEH2A
19	12921196	T	A	RNASEH2A
19	12936617	C	G	RTBDN
19	12936693	C	T	RTBDN
19	12939704	C	A	RTBDN
19	12996733	G	A	KLF1
19	12996740	A	G	KLF1
19	12996929	T	G	KLF1
19	13010874	C	T	SYCE2
19	13015347	G	A	SYCE2
19	13015399	C	A	SYCE2
19	13035722	T	C	FARSA
19	13041131	G	T	FARSA
19	13041287	G	A	FARSA
19	13041442	G	A	FARSA
19	13051130	G	C	CALR

19	13051246	C	T	<i>CALR</i>
19	13059328	G	A	<i>RAD23A</i>
19	13059563	G	A	<i>RAD23A</i>
19	13065311	T	C	<i>GADD45GIP1</i>
19	13084333	G	A	<i>DAND5</i>
19	13226150	C	T	<i>TRMT1</i>
19	13227005	T	C	<i>TRMT1</i>
19	13249098	G	A	<i>NACC1</i>
19	13249176	A	G	<i>NACC1</i>
19	13255238	G	-	<i>STX10</i>
19	13264398	C	T	<i>IER2</i>
19	13325090	C	T	<i>CACNA1A</i>
19	13395968	CTT	-	<i>CACNA1A</i>
19	13397560	C	T	<i>CACNA1A</i>
19	13409407	C	T	<i>CACNA1A</i>
19	13409472	T	A	<i>CACNA1A</i>
19	13411451	T	G	<i>CACNA1A</i>
19	13867018	C	G	<i>CCDC130</i>
19	13869786	G	T	<i>CCDC130</i>
19	13875421	C	T	<i>MRI1</i>
19	13875437	C	T	<i>MRI1</i>
19	13879261	G	A	<i>MRI1</i>
19	13883034	G	A	<i>MRI1</i>
19	13885484	A	G	<i>C19orf53</i>
19	13919761	A	G	<i>ZSWIM4</i>
19	13934296	A	G	<i>ZSWIM4</i>
19	13936385	C	T	<i>ZSWIM4</i>
19	13941022	A	C	<i>ZSWIM4</i>
19	13988181	-	GGAGCCGGTG	<i>NANOS3</i>
19	13993643	C	T	<i>C19orf57</i>
19	13993709	C	T	<i>C19orf57</i>
19	13996808	C	T	<i>C19orf57</i>
19	14000170	T	C	<i>C19orf57</i>
19	14000196	G	T	<i>C19orf57</i>
19	14000870	C	T	<i>C19orf57</i>
19	14001089	G	T	<i>C19orf57</i>
19	14003969	G	C	<i>C19orf57</i>
19	14024269	C	T	<i>CC2D1A</i>
19	14029627	A	C	<i>CC2D1A</i>
19	14031461	C	A	<i>CC2D1A</i>
19	14034243	C	T	<i>CC2D1A</i>
19	14034255	G	A	<i>CC2D1A</i>
19	14038791	C	T	<i>CC2D1A</i>

19	14040896	G	A	CC2D1A
19	14043544	C	T	PODNL1
19	14048728	A	G	PODNL1
19	14048744	G	A	PODNL1
19	14077528	C	T	RFX1
19	14079475	T	C	RFX1
19	14139104	T	C	RLN3
19	14141666	G	T	RLN3
19	14157331	C	T	IL27RA
19	14161636	C	T	IL27RA
19	14164629	C	T	PALM3
19	14165172	C	A	PALM3
19	14165204	G	C	PALM3
19	14165406	C	G	PALM3
19	14165823	C	T	PALM3
19	14165873	C	A	PALM3
19	14165876	G	A	PALM3
19	14200107	TCTTCA	-	SAMD1
19	14200109	T	-	SAMD1
19	14200109	T	A	SAMD1
19	14200112	ATCT	-	SAMD1
19	14267780	T	C	ADGRL1
19	14269279	T	G	ADGRL1
19	14512489	G	A	ADGRE5
19	14517319	C	G	ADGRE5
19	14517736	A	G	ADGRE5
19	14578707	G	A	PKN1
19	14582468	G	A	PKN1
19	14583488	G	-	PTGER1
19	14626895	G	A	DNAJB1
19	14736326	C	T	ADGRE3
19	14743791	T	G	ADGRE3
19	14752395	C	T	ADGRE3
19	14755002	A	G	ADGRE3
19	14769339	C	G	ADGRE3
19	14805888	C	G	ZNF333
19	14815918	A	C	ZNF333
19	14827830	C	A	ZNF333
19	14829749	C	T	ZNF333
19	14829881	C	A	ZNF333
19	14854233	G	A	ADGRE2
19	14854338	C	T	ADGRE2
19	14862430	C	G	ADGRE2

19	14866600	G	A	ADGRE2
19	14910210	C	G	OR7C1
19	14910251	C	T	OR7C1
19	14910321	A	G	OR7C1
19	14910438	C	T	OR7C1
19	14910440	G	A	OR7C1
19	14910444	AGA	-	OR7C1
19	14910573	C	T	OR7C1
19	14910654	T	C	OR7C1
19	14938728	C	T	OR7A5
19	14951873	C	T	OR7A10
19	14951879	C	T	OR7A10
19	14951882	T	A	OR7A10
19	14951884	T	G	OR7A10
19	14952143	G	C	OR7A10
19	15052600	G	C	OR7C2
19	15052983	-	ATC	OR7C2
19	15083650	G	A	SLC1A6
19	15121692	C	T	CCDC105
19	15131330	G	A	CCDC105
19	15132683	C	-	CCDC105
19	15133762	G	C	CCDC105
19	15133803	G	A	CCDC105
19	15166249	G	A	CASP14
19	15198024	A	T	OR111
19	15198292	C	G	OR111
19	15198363	A	C	OR111
19	15198507	T	C	OR111
19	15198606	C	T	OR111
19	15198631	A	C	OR111
19	15198666	T	A	OR111
19	15198720	A	T	OR111
19	15198751	T	C	OR111
19	15230837	C	T	ILVBL
19	15234344	G	A	ILVBL
19	15234351	C	T	ILVBL
19	15273335	C	T	NOTCH3
19	15289850	T	A	NOTCH3
19	15290236	G	T	NOTCH3
19	15291576	C	G	NOTCH3
19	15299051	G	A	NOTCH3
19	15302941	T	C	NOTCH3
19	15303190	C	T	NOTCH3

19	15338334	G	A	<i>EPHX3</i>
19	15341800	T	C	<i>EPHX3</i>
19	15350625	C	T	<i>BRD4</i>
19	15483137	G	A	<i>AKAP8</i>
19	15483847	C	T	<i>AKAP8</i>
19	15483906	C	T	<i>AKAP8</i>
19	15484023	C	T	<i>AKAP8</i>
19	15484762	G	C	<i>AKAP8</i>
19	15508362	G	C	<i>AKAP8L</i>
19	15514482	T	C	<i>AKAP8L</i>
19	15563529	G	C	<i>RASAL3</i>
19	15569378	G	C	<i>RASAL3</i>
19	15586672	A	T	<i>PGLYRP2</i>
19	15587185	C	T	<i>PGLYRP2</i>
19	15587345	T	C	<i>PGLYRP2</i>
19	15636167	G	A	<i>CYP4F22</i>
19	15752322	C	T	<i>CYP4F3</i>
19	15769605	C	A	<i>CYP4F3</i>
19	15784436	C	T	<i>CYP4F12</i>
19	15789098	A	G	<i>CYP4F12</i>
19	15794418	C	T	<i>CYP4F12</i>
19	15794475	C	T	<i>CYP4F12</i>
19	15807884	A	G	<i>CYP4F12</i>
19	15839365	C	T	<i>OR10H2</i>
19	15852242	C	A	<i>OR10H3</i>
19	15852363	G	A	<i>OR10H3</i>
19	15852564	A	G	<i>OR10H3</i>
19	15852872	G	A	<i>OR10H3</i>
19	15905414	A	C	<i>OR10H5</i>
19	15905468	T	G	<i>OR10H5</i>
19	16024583	G	T	<i>CYP4F11</i>
19	16045076	A	T	<i>CYP4F11</i>
19	16060117	C	A	<i>OR10H4</i>
19	16060248	A	G	<i>OR10H4</i>
19	16060523	C	T	<i>OR10H4</i>
19	16060572	C	T	<i>OR10H4</i>
19	16268349	C	T	<i>HSH2D</i>
19	16268421	A	G	<i>HSH2D</i>
19	16593359	C	T	<i>CALR3</i>
19	16601330	T	C	<i>CALR3</i>
19	16611613	G	T	<i>C19orf44</i>
19	16686864	T	C	<i>MED26</i>
19	16799058	ACG	-	<i>TMEM38A</i>

19	16799059	C	-	<i>TMEM38A</i>
19	16799060	G	-	<i>TMEM38A</i>
19	16799060	G	A	<i>TMEM38A</i>
19	16859994	C	T	<i>NWD1</i>
19	16860001	A	T	<i>NWD1</i>
19	16860084	C	T	<i>NWD1</i>
19	16860096	T	C	<i>NWD1</i>
19	16860105	G	A	<i>NWD1</i>
19	16860685	C	T	<i>NWD1</i>
19	16860750	G	A	<i>NWD1</i>
19	16860882	G	A	<i>NWD1</i>
19	16861141	C	T	<i>NWD1</i>
19	16872803	G	A	<i>NWD1</i>
19	16908639	C	T	<i>NWD1</i>
19	16918593	G	T	<i>NWD1</i>
19	16918720	G	A	<i>NWD1</i>
19	16925974	C	T	<i>NWD1</i>
19	16926067	A	T	<i>NWD1</i>
19	16962292	A	G	<i>SIN3B</i>
19	16973705	G	A	<i>SIN3B</i>
19	16980668	C	T	<i>SIN3B</i>
19	17000632	G	A	<i>F2RL3</i>
19	17001160	T	C	<i>F2RL3</i>
19	17001203	C	T	<i>F2RL3</i>
19	17003939	T	C	<i>CPAMD8</i>
19	17004049	T	C	<i>CPAMD8</i>
19	17008607	C	G	<i>CPAMD8</i>
19	17008796	G	C	<i>CPAMD8</i>
19	17036087	C	T	<i>CPAMD8</i>
19	17039023	A	C	<i>CPAMD8</i>
19	17039769	G	T	<i>CPAMD8</i>
19	17049243	G	A	<i>CPAMD8</i>
19	17081707	G	T	<i>CPAMD8</i>
19	17088299	T	C	<i>CPAMD8</i>
19	17100550	A	T	<i>CPAMD8</i>
19	17108094	C	T	<i>CPAMD8</i>
19	17108127	C	T	<i>CPAMD8</i>
19	17108135	C	T	<i>CPAMD8</i>
19	17108136	G	A	<i>CPAMD8</i>
19	17122309	T	C	<i>CPAMD8</i>
19	17170885	C	T	<i>HAUS8</i>
19	17286535	C	T	<i>MYO9B</i>
19	17303774	T	G	<i>MYO9B</i>

19	17305444	G	A	MYO9B
19	17305607	A	G	MYO9B
19	17305679	G	A	MYO9B
19	17305781	T	G	MYO9B
19	17306074	G	A	MYO9B
19	17312735	A	G	MYO9B
19	17322800	T	C	MYO9B
19	17322803	C	T	MYO9B
19	17322950	G	A	MYO9B
19	17330060	T	C	USE1
19	17337882	C	G	OCEL1
19	17361116	G	A	USHBP1
19	17366313	C	T	USHBP1
19	17367435	T	C	USHBP1
19	17369127	C	T	USHBP1
19	17370531	G	A	USHBP1
19	17373416	C	T	USHBP1
19	17394098	C	G	ANKLE1
19	17394124	T	G	ANKLE1
19	17394504	A	C	ANKLE1
19	17394633	C	T	ANKLE1
19	17395003	A	G	ANKLE1
19	17395038	G	A	ANKLE1
19	17396344	G	A	ANKLE1
19	17396577	G	A	ANKLE1
19	17397244	C	T	ANKLE1
19	17397353	C	G	ANKLE1
19	17397381	C	A	ANKLE1
19	17412218	C	T	ABHD8
19	17412352	T	C	ABHD8
19	17417111	C	G	MRPL34
19	17417130	C	T	MRPL34
19	17450016	T	C	GTPBP3
19	17451883	G	T	GTPBP3
19	17451962	C	T	GTPBP3
19	17451981	G	A	GTPBP3
19	17476153	T	G	PLVAP
19	17476286	G	C	PLVAP
19	17476933	G	T	PLVAP
19	17534540	G	T	MVB12A
19	17535472	G	A	MVB12A
19	17571489	C	T	NXNL1
19	17571633	C	T	NXNL1

19	17628127	G	A	PGLS
19	17638121	G	A	FAM129C
19	17648208	G	T	FAM129C
19	17654181	C	T	FAM129C
19	17660286	C	A	FAM129C
19	17660300	G	A	FAM129C
19	17662616	G	A	FAM129C
19	17717120	C	T	UNC13A
19	17743622	C	A	UNC13A
19	17749893	G	A	UNC13A
19	17766900	C	T	UNC13A
19	17783275	G	A	UNC13A
19	17836969	A	G	MAP1S
19	17837881	G	A	MAP1S
19	17838775	G	A	MAP1S
19	17881668	G	A	FCHO1
19	17888954	A	G	FCHO1
19	17895630	C	T	FCHO1
19	17918777	C	A	B3GNT3
19	17922470	A	G	B3GNT3
19	17922666	G	A	B3GNT3
19	17927781	G	A	INSL3
19	17932245	G	C	INSL3
19	17945696	C	T	JAK3
19	17955204	G	A	JAK3
19	18119848	G	A	ARRDC2
19	18120660	G	A	ARRDC2
19	18121104	G	A	ARRDC2
19	18123738	T	C	ARRDC2
19	18170874	C	A	IL12RB1
19	18174731	C	T	IL12RB1
19	18180451	A	G	IL12RB1
19	18183095	C	T	IL12RB1
19	18186618	T	C	IL12RB1
19	18188408	C	T	IL12RB1
19	18197635	G	A	IL12RB1
19	18245711	G	A	MAST3
19	18255359	G	A	MAST3
19	18266849	G	A	PIK3R2
19	18278023	C	T	PIK3R2
19	18285896	C	T	IFI30
19	18285944	G	A	IFI30
19	18329784	C	T	PDE4C

19	18330088	G	C	<i>PDE4C</i>
19	18332946	C	T	<i>PDE4C</i>
19	18367995	T	A	<i>KIAA1683</i>
19	18368201	T	C	<i>KIAA1683</i>
19	18368529	C	T	<i>KIAA1683</i>
19	18368552	C	T	<i>KIAA1683</i>
19	18368748	C	T	<i>KIAA1683</i>
19	18368810	G	T	<i>KIAA1683</i>
19	18368873	C	T	<i>KIAA1683</i>
19	18375352	G	C	<i>KIAA1683</i>
19	18375760	G	C	<i>KIAA1683</i>
19	18376407	T	A	<i>KIAA1683</i>
19	18376509	G	A	<i>KIAA1683</i>
19	18376518	T	A	<i>KIAA1683</i>
19	18376522	T	G	<i>KIAA1683</i>
19	18376713	G	A	<i>KIAA1683</i>
19	18376780	T	C	<i>KIAA1683</i>
19	18376863	C	A	<i>KIAA1683</i>
19	18377647	G	C	<i>KIAA1683</i>
19	18377761	A	G	<i>KIAA1683</i>
19	18377791	T	C	<i>KIAA1683</i>
19	18378219	A	G	<i>KIAA1683</i>
19	18474346	C	T	<i>PGPEP1</i>
19	18497141	T	A	<i>GDF15</i>
19	18499305	-	CGT	<i>GDF15</i>
19	18502835	G	A	<i>LRRC25</i>
19	18502861	C	T	<i>LRRC25</i>
19	18546125	C	T	<i>ISYNA1</i>
19	18547606	C	G	<i>ISYNA1</i>
19	18557592	G	C	<i>ELL</i>
19	18561482	G	A	<i>ELL</i>
19	18652521	G	A	<i>FKBP8</i>
19	18679379	C	G	<i>KXD1</i>
19	18709642	G	A	<i>CRLF1</i>
19	18710416	C	T	<i>CRLF1</i>
19	18727850	G	A	<i>TMEM59L</i>
19	18727858	C	T	<i>TMEM59L</i>
19	18876258	G	A	<i>CRTC1</i>
19	18897440	T	C	<i>COMP</i>
19	18976484	C	T	<i>UPF1</i>
19	18990163	C	T	<i>CERS1</i>
19	19017862	G	A	<i>COPE</i>
19	19030120	G	C	<i>COPE</i>

19	19030611	G	A	<i>DDX49</i>
19	19031448	C	T	<i>DDX49</i>
19	19042160	G	A	<i>HOMER3</i>
19	19120837	T	C	<i>SUGP2</i>
19	19136501	A	G	<i>SUGP2</i>
19	19206959	C	T	<i>SLC25A42</i>
19	19230816	T	C	<i>TMEM161A</i>
19	19230980	C	T	<i>TMEM161A</i>
19	19329924	C	T	<i>NCAN</i>
19	19338462	A	C	<i>NCAN</i>
19	19349167	G	T	<i>NCAN</i>
19	19375583	G	T	<i>TM6SF2</i>
19	19380513	A	G	<i>TM6SF2</i>
19	19380563	A	C	<i>TM6SF2</i>
19	19381028	C	T	<i>TM6SF2</i>
19	19381881	G	A	<i>TM6SF2</i>
19	19381885	C	A	<i>TM6SF2</i>
19	19413092	C	T	<i>SUGP1</i>
19	19612012	GGA	-	<i>GATAD2A</i>
19	19627121	T	G	<i>NDUFA13</i>
19	19654517	G	A	<i>CILP2</i>
19	19674370	C	T	<i>PBX4</i>
19	19681089	G	A	<i>PBX4</i>
19	19735174	C	T	<i>LPAR2</i>
19	19741292	C	G	<i>GMIP</i>
19	19745476	C	A	<i>GMIP</i>
19	19745479	C	T	<i>GMIP</i>
19	19746457	G	T	<i>GMIP</i>
19	19751344	C	T	<i>GMIP</i>
19	19757073	A	C	<i>ATP13A1</i>
19	19790159	A	C	<i>ZNF101</i>
19	19790178	A	G	<i>ZNF101</i>
19	19790877	AT	-	<i>ZNF101</i>
19	19822534	C	T	<i>ZNF14</i>
19	19823122	C	T	<i>ZNF14</i>
19	19823270	T	A	<i>ZNF14</i>
19	19905600	C	-	<i>ZNF506</i>
19	19906131	T	G	<i>ZNF506</i>
19	19906210	T	G	<i>ZNF506</i>
19	20002573	A	G	<i>ZNF253</i>
19	20133846	C	T	<i>ZNF682</i>
19	20808143	T	G	<i>ZNF626</i>
19	21131664	G	T	<i>ZNF85</i>

19	21131850	C	G	ZNF85
19	21131870	G	C	ZNF85
19	21131873	A	G	ZNF85
19	21299774	-	ATA	ZNF714
19	21326358	A	G	ZNF431
19	21477325	A	T	ZNF708
19	21477379	C	T	ZNF708
19	21477403	T	G	ZNF708
19	21588637	A	G	ZNF493
19	21719213	G	A	ZNF429
19	21719440	T	A	ZNF429
19	21720023	A	G	ZNF429
19	21948570	T	C	ZNF100
19	21948589	-	ATTTCTAGGCT	ZNF100
19	21990464	G	T	ZNF43
19	22942325	G	C	ZNF99
19	22942335	G	A	ZNF99
19	22952111	A	G	ZNF99
19	23543107	T	A	ZNF91
19	23837145	A	G	ZNF675
19	23837365	A	C	ZNF675
19	23927522	G	A	ZNF681
19	23927555	G	A	ZNF681
19	23927742	CA	-	ZNF681
19	24309495	T	G	ZNF254
19	24310697	G	C	ZNF254
19	30104871	G	T	POP4
19	30106250	C	T	POP4
19	30193732	C	T	C19orf12
19	30308425	A	G	CCNE1
19	30312976	A	T	CCNE1
19	30498452	A	G	URI1
19	30935704	C	A	ZNF536
19	31039257	G	A	ZNF536
19	31039669	C	T	ZNF536
19	31040226	C	G	ZNF536
19	31769366	C	T	TSHZ3
19	31770506	C	T	TSHZ3
19	31770527	T	C	TSHZ3
19	32844376	A	T	ZNF507
19	32845600	G	A	ZNF507
19	33098632	G	C	ANKRD27
19	33110404	G	A	ANKRD27

19	33119742	C	T	ANKRD27
19	33134207	T	C	ANKRD27
19	33149861	G	A	ANKRD27
19	33183442	G	A	NUDT19
19	33353061	G	T	SLC7A9
19	33353427	C	T	SLC7A9
19	33355055	A	G	SLC7A9
19	33378696	T	C	CEP89
19	33392223	A	G	CEP89
19	33406311	T	A	CEP89
19	33414420	A	G	CEP89
19	33424399	T	A	CEP89
19	33467413	C	T	FAAP24
19	33467515	T	C	FAAP24
19	33600764	T	C	GPATCH1
19	33605300	A	G	GPATCH1
19	33616077	C	T	GPATCH1
19	33628589	T	C	WDR88
19	33638586	C	G	WDR88
19	33647379	T	C	WDR88
19	33698291	T	C	LRP3
19	33703503	G	A	SLC7A10
19	33878837	G	A	PEPD
19	33878846	C	T	PEPD
19	33878884	T	C	PEPD
19	33892681	C	T	PEPD
19	33892731	A	G	PEPD
19	34002004	C	T	PEPD
19	34262922	C	T	CHST8
19	34262952	C	T	CHST8
19	34706203	G	A	LSM14A
19	34706531	A	G	LSM14A
19	34791496	G	A	KIAA0355
19	34833061	T	C	KIAA0355
19	34833079	C	T	KIAA0355
19	34843754	CCCCACCCAC-		KIAA0355
19	34843761	C	-	KIAA0355
19	34868776	T	C	GPI
19	34895647	G	A	PDCD2L
19	35084477	T	C	SCGB2B2
19	35175306	G	A	ZNF302
19	35176039	A	G	ZNF302
19	35231638	A	G	ZNF181

19	35232987	A	C	ZNF181
19	35250655	G	A	ZNF599
19	35250691	AG	-	ZNF599
19	35250996	C	T	ZNF599
19	35251142	TT	-	ZNF599
19	35260442	C	T	ZNF599
19	35422772	G	A	ZNF30
19	35422808	C	T	ZNF30
19	35434238	A	G	ZNF30
19	35434448	A	G	ZNF30
19	35434582	G	T	ZNF30
19	35434648	T	C	ZNF30
19	35435006	G	A	ZNF30
19	35435632	C	T	ZNF30
19	35449486	T	C	ZNF792
19	35450229	C	T	ZNF792
19	35450340	C	T	ZNF792
19	35504510	G	A	GRAMD1A
19	35504539	C	T	GRAMD1A
19	35505292	G	A	GRAMD1A
19	35510304	C	T	GRAMD1A
19	35524939	C	A	SCN1B
19	35524944	G	C	SCN1B
19	35524964	G	A	SCN1B
19	35610288	A	G	FXVD3
19	35612159	C	G	FXVD3
19	35612168	T	A	FXVD3
19	35617187	A	G	LGI4
19	35633635	C	T	FXVD1
19	35648365	T	G	FXVD5
19	35715930	T	C	FAM187B
19	35718891	C	T	FAM187B
19	35718938	C	T	FAM187B
19	35719020	C	T	FAM187B
19	35719076	C	T	FAM187B
19	35719106	A	G	FAM187B
19	35719487	C	A	FAM187B
19	35739852	G	A	LSR
19	35757427	G	A	LSR
19	35758275	-	GGA	LSR
19	35758620	G	A	LSR
19	35758745	G	C	LSR
19	35775902	G	A	HAMP

19	35786699	G	A	MAG
19	35790493	C	T	MAG
19	35828831	G	A	CD22
19	35836511	A	G	CD22
19	35836530	G	A	CD22
19	35837096	C	T	CD22
19	35842992	G	A	FFAR1
19	35941248	T	A	FFAR2
19	35941368	G	A	FFAR2
19	35941518	G	A	FFAR2
19	35941592	G	T	FFAR2
19	35991442	T	G	DMKN
19	36004106	A	G	DMKN
19	36004171	C	A	DMKN
19	36017598	T	C	SBSN
19	36029240	G	T	GAPDHS
19	36033313	-	AAGCTGGGGA	GAPDHS
19	36036001	T	C	GAPDHS
19	36048661	C	T	ATP4A
19	36049278	T	G	ATP4A
19	36051333	G	T	ATP4A
19	36051747	C	A	ATP4A
19	36104777	A	G	HAUS5
19	36113545	A	G	HAUS5
19	36113590	A	G	HAUS5
19	36125167	C	G	RBM42
19	36134208	G	A	ETV2
19	36157740	C	T	UPK1A
19	36159368	T	G	UPK1A
19	36164140	G	C	UPK1A
19	36168894	A	G	UPK1A
19	36168914	T	C	UPK1A
19	36206050	A	C	ZBTB32
19	36210896	C	A	KMT2B
19	36211292	A	C	KMT2B
19	36211418	T	C	KMT2B
19	36211742	C	A	KMT2B
19	36212516	-	ACAGCCACAGC	KMT2B
19	36222857	C	T	KMT2B
19	36223173	C	G	KMT2B
19	36224705	A	G	KMT2B
19	36230423	C	A	IGFLR1
19	36230500	AG	-	IGFLR1

19	36230500	A	-	IGFLR1
19	36230767	A	G	IGFLR1
19	36230788	T	G	IGFLR1
19	36232024	G	A	IGFLR1
19	36234727	C	A	U2AF1L4
19	36243089	T	C	LIN37
19	36243813	G	A	LIN37
19	36247851	G	A	HSPB6
19	36258842	G	C	PROSER3
19	36258894	C	T	PROSER3
19	36277957	G	A	ARHGAP33
19	36278187	G	A	ARHGAP33
19	36278265	G	A	ARHGAP33
19	36293885	C	T	PRODH2
19	36297438	C	T	PRODH2
19	36297671	G	A	PRODH2
19	36298022	T	C	PRODH2
19	36303664	G	C	PRODH2
19	36332686	C	A	NPHS1
19	36339247	C	T	NPHS1
19	36339295	A	G	NPHS1
19	36340187	G	C	NPHS1
19	36340506	A	C	NPHS1
19	36341311	T	A	NPHS1
19	36342212	C	T	NPHS1
19	36348078	A	C	KIRREL2
19	36348297	G	T	KIRREL2
19	36349405	T	A	KIRREL2
19	36349752	G	A	KIRREL2
19	36351305	G	T	KIRREL2
19	36352024	G	A	KIRREL2
19	36355595	A	G	KIRREL2
19	36362619	A	T	APLP1
19	36367509	C	G	APLP1
19	36387881	A	G	NFKBID
19	36398414	C	A	TYROBP
19	36431525	C	T	LRFN3
19	36435631	C	T	LRFN3
19	36496291	C	G	SYNE4
19	36530332	G	A	THAP8
19	36530343	C	T	THAP8
19	36530913	C	T	THAP8
19	36545955	C	T	WDR62

19	36546015	C	T	WDR62
19	36549757	G	A	WDR62
19	36558850	T	G	WDR62
19	36593915	T	G	WDR62
19	36594659	A	T	WDR62
19	36594676	C	G	WDR62
19	36595425	C	A	WDR62
19	36595436	A	C	WDR62
19	36642580	CTT	-	COX7A1
19	36674305	A	G	ZNF565
19	36727365	G	A	ZNF146
19	36940622	C	T	ZNF566
19	36940805	G	A	ZNF566
19	37005407	T	C	ZNF260
19	37038127	TG	-	ZNF529
19	37039069	A	C	ZNF529
19	37117302	A	G	ZNF382
19	37117448	T	G	ZNF382
19	37117490	A	G	ZNF382
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19	37129806	G	A	ZNF461
19	37134737	T	C	ZNF461
19	37210223	G	C	ZNF567
19	37210544	G	C	ZNF567
19	37314668	C	T	ZNF790
19	37368535	G	C	ZNF345
19	37440497	A	T	ZNF568
19	37643522	C	T	ZNF585A
19	37643696	A	T	ZNF585A
19	37643777	C	T	ZNF585A
19	37644370	T	A	ZNF585A
19	37677748	T	A	ZNF585B
19	37838696	C	G	HKR1
19	37854040	G	A	HKR1
19	37854235	G	T	HKR1
19	37854273	G	A	HKR1
19	37879589	A	G	ZNF527
19	37879852	-	TGTG	ZNF527
19	37879855	T	-	ZNF527
19	37905068	A	C	ZNF569
19	38024271	T	G	ZNF793
19	38024288	C	T	ZNF793
19	38027957	A	G	ZNF793

19	38055763	T	C	ZNF571
19	38056087	C	T	ZNF571
19	38126813	G	A	ZFP30
19	38126913	G	C	ZFP30
19	38135582	C	A	ZFP30
19	38160383	T	G	ZNF781
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19	38189050	C	T	ZNF607
19	38189440	T	C	ZNF607
19	38189555	T	C	ZNF607
19	38190686	A	G	ZNF607
19	38202515	G	A	ZNF607
19	38202516	A	C	ZNF607
19	38229824	T	C	ZNF573
19	38230877	G	A	ZNF573
19	38375984	C	T	WDR87
19	38376485	T	A	WDR87
19	38376848	T	C	WDR87
19	38377226	TCAC	-	WDR87
19	38377772	C	T	WDR87
19	38377773	G	A	WDR87
19	38378539	G	C	WDR87
19	38379446	C	T	WDR87
19	38379447	G	A	WDR87
19	38379680	G	A	WDR87
19	38380808	A	G	WDR87
19	38383357	T	C	WDR87
19	38383767	T	G	WDR87
19	38384421	C	G	WDR87
19	38384689	C	T	WDR87
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19	38573347	T	C	SIPA1L3
19	38579450	G	A	SIPA1L3
19	38643539	C	T	SIPA1L3
19	38652962	C	T	SIPA1L3
19	38655327	G	T	SIPA1L3
19	38673298	C	G	SIPA1L3
19	38708477	C	T	DPF1
19	38743560	C	G	PPP1R14A
19	38778569	C	T	SPINT2
19	38782602	G	A	SPINT2
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19	38800176	G	A	YIF1B
19	38817876	G	A	KCNK6
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19	38851387	A	C	CATSPERG
19	38857811	C	T	CATSPERG
19	38861362	T	C	CATSPERG
19	38874008	G	A	PSMD8
19	38875072	G	C	GGN
19	38875072	G	A	GGN
19	38876170	G	C	GGN
19	38876202	C	T	GGN
19	38876586	G	T	GGN
19	38876688	C	T	GGN
19	38877255	G	T	GGN
19	38896204	T	G	FAM98C
19	38896216	C	T	FAM98C
19	38896244	C	A	FAM98C
19	38899459	G	C	FAM98C
19	38901578	C	T	RASGRP4
19	38901633	C	T	RASGRP4
19	38905715	G	C	RASGRP4
19	38910787	C	T	RASGRP4
19	38948887	G	A	RYR1
19	38965975	A	G	RYR1
19	38976655	C	T	RYR1
19	38983180	G	T	RYR1
19	38989881	A	G	RYR1
19	38995965	C	T	RYR1
19	38995998	C	G	RYR1
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19	39025366	C	G	RYR1
19	39034191	A	G	RYR1
19	39087026	C	T	MAP4K1
19	39108034	G	A	MAP4K1
19	39207742	G	A	ACTN4
19	39208597	C	G	ACTN4
19	39218649	G	A	ACTN4
19	39220006	C	A	ACTN4
19	39220016	G	A	ACTN4
19	39221822	G	A	CAPN12
19	39228193	C	A	CAPN12

19	39228193	C	G	CAPN12
19	39228244	T	C	CAPN12
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19	39230735	G	A	CAPN12
19	39307103	C	T	ECH1
19	39322087	T	G	ECH1
19	39360597	C	T	RINL
19	39384148	T	A	SIRT2
19	39396013	C	T	NFKBIB
19	39421274	T	C	SARS2
19	39421947	G	A	MRPS12
19	39421957	A	G	MRPS12
19	39575997	G	A	ACP7
19	39591653	G	A	ACP7
19	39591829	G	T	ACP7
19	39663757	G	A	PAK4
19	39663768	G	A	PAK4
19	39669106	C	G	PAK4
19	39694816	C	T	SYCN
19	39760191	A	G	IFNL2
19	39787143	A	G	IFNL1
19	39826131	G	T	GMFG
19	39868221	G	A	SAMD4B
19	39876646	A	G	PAF1
19	39906072	T	C	PLEKHG2
19	39908214	C	T	PLEKHG2
19	39911451	C	G	PLEKHG2
19	39913558	A	G	PLEKHG2
19	39913634	G	A	PLEKHG2
19	39913978	C	T	PLEKHG2
19	39914002	G	A	PLEKHG2
19	39914748	G	A	PLEKHG2
19	39915876	A	G	PLEKHG2
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19	39971432	G	C	TIMM50
19	39972581	G	C	TIMM50
19	39972614	C	T	TIMM50
19	39998147	C	T	DLL3
19	40023202	G	A	EID2B
19	40095861	G	A	LGALS13
19	40095985	A	G	LGALS13
19	40097903	G	A	LGALS13
19	40196611	C	T	LGALS14

19	40196627	G	A	LGALS14
19	40197924	T	C	LGALS14
19	40199914	C	G	LGALS14
19	40225031	G	C	CLC
19	40225646	G	A	CLC
19	40317337	G	C	DYRK1B
19	40331117	G	A	FBL
19	40331367	C	T	FBL
19	40357682	C	T	FCGBP
19	40363020	G	A	FCGBP
19	40363916	C	T	FCGBP
19	40363926	C	G	FCGBP
19	40364073	G	T	FCGBP
19	40364280	G	A	FCGBP
19	40408811	G	A	FCGBP
19	40408821	C	G	FCGBP
19	40412129	G	A	FCGBP
19	40419939	C	T	FCGBP
19	40420083	C	T	FCGBP
19	40420097	C	A	FCGBP
19	40421306	T	C	FCGBP
19	40421408	T	G	FCGBP
19	40421537	G	A	FCGBP
19	40424269	C	T	FCGBP
19	40433467	C	T	FCGBP
19	40433949	G	A	FCGBP
19	40440482	G	T	FCGBP
19	40519935	C	T	ZNF546
19	40520531	C	T	ZNF546
19	40520908	T	G	ZNF546
19	40540697	G	A	ZNF780B
19	40581988	C	T	ZNF780A
19	40698254	G	C	MAP3K10
19	40698441	C	A	MAP3K10
19	40718730	GTGGCAGCAG(-		MAP3K10
19	40729096	C	G	CNTD2
19	40732460	C	T	CNTD2
19	40827881	G	A	C19orf47
19	40834394	C	T	C19orf47
19	40877595	G	A	PLD3
19	40883962	G	A	PLD3
19	40886457	G	A	HIPK4
19	40886610	C	G	HIPK4

19	40886673	C	T	HIPK4
19	40886742	C	T	HIPK4
19	40886987	G	T	HIPK4
19	40886993	C	T	HIPK4
19	40900865	C	T	PRX
19	40900886	C	T	PRX
19	40901011	G	C	PRX
19	40901073	C	A	PRX
19	40901496	T	C	PRX
19	40901614	A	G	PRX
19	40902005	C	T	PRX
19	40903043	C	T	PRX
19	40929204	C	T	SERTAD1
19	40929363	T	C	SERTAD1
19	40957316	G	C	BLVRB
19	40964395	C	T	BLVRB
19	41008068	A	T	SPTBN4
19	41029399	C	A	SPTBN4
19	41035017	C	G	SPTBN4
19	41038574	G	A	SPTBN4
19	41074162	G	A	SPTBN4
19	41078042	G	C	SPTBN4
19	41086245	G	A	SHKBP1
19	41086248	G	A	SHKBP1
19	41092767	C	G	SHKBP1
19	41173733	A	C	NUMBL
19	41188847	C	G	NUMBL
19	41206060	G	C	ADCK4
19	41211056	T	C	ADCK4
19	41220029	G	A	ADCK4
19	41220218	G	A	ADCK4
19	41235167	G	A	ITPKC
19	41251098	C	T	C19orf54
19	41255500	C	G	C19orf54
19	41281482	T	C	MIA
19	41306650	C	T	EGLN2
19	41383115	G	A	CYP2A7
19	41383799	G	A	CYP2A7
19	41383849	C	G	CYP2A7
19	41497272	A	T	CYP2B6
19	41497274	C	T	CYP2B6
19	41510030	G	A	CYP2B6
19	41600311	A	C	CYP2A13

19	41600317	C	T	<i>CYP2A13</i>
19	41622107	-	C	<i>CYP2F1</i>
19	41622205	T	C	<i>CYP2F1</i>
19	41622481	G	C	<i>CYP2F1</i>
19	41627401	G	C	<i>CYP2F1</i>
19	41627402	T	G	<i>CYP2F1</i>
19	41633977	G	A	<i>CYP2F1</i>
19	41633980	C	T	<i>CYP2F1</i>
19	41704370	G	A	<i>CYP2S1</i>
19	41704438	C	T	<i>CYP2S1</i>
19	41712275	C	T	<i>CYP2S1</i>
19	41744462	A	C	<i>AXL</i>
19	41869392	T	C	<i>B9D2</i>
19	41920030	C	T	<i>BCKDHA</i>
19	41928988	A	G	<i>BCKDHA</i>
19	41932127	G	A	<i>B3GNT8</i>
19	41932275	T	C	<i>B3GNT8</i>
19	41932474	A	C	<i>B3GNT8</i>
19	41938208	G	A	<i>ATP5SL</i>
19	41938222	C	T	<i>ATP5SL</i>
19	41939297	C	G	<i>ATP5SL</i>
19	41939337	G	A	<i>ATP5SL</i>
19	41944237	T	C	<i>ATP5SL</i>
19	41945795	G	A	<i>ATP5SL</i>
19	42083739	-	GAC	<i>CEACAM21</i>
19	42083820	C	G	<i>CEACAM21</i>
19	42083849	C	A	<i>CEACAM21</i>
19	42085873	A	G	<i>CEACAM21</i>
19	42092225	G	A	<i>CEACAM21</i>
19	42132082	G	T	<i>CEACAM4</i>
19	42132193	T	C	<i>CEACAM4</i>
19	42190859	A	T	<i>CEACAM7</i>
19	42190871	T	C	<i>CEACAM7</i>
19	42231159	G	A	<i>CEACAM5</i>
19	42260565	C	T	<i>CEACAM6</i>
19	42265357	G	A	<i>CEACAM6</i>
19	42265889	G	T	<i>CEACAM6</i>
19	42341407	G	C	<i>LYPD4</i>
19	42352924	C	T	<i>DMRTC2</i>
19	42355761	-	TAGAAA	<i>DMRTC2</i>
19	42383644	C	A	<i>CD79A</i>
19	42525579	C	T	<i>GRIK5</i>
19	42563506	G	A	<i>GRIK5</i>

19	42563604	T	C	<i>GRIK5</i>
19	42583629	C	T	<i>ZNF574</i>
19	42728836	T	C	<i>ZNF526</i>
19	42729121	C	T	<i>ZNF526</i>
19	42729610	G	A	<i>ZNF526</i>
19	42753605	G	T	<i>ERF</i>
19	42796307	C	G	<i>CIC</i>
19	42814708	C	T	<i>PRR19</i>
19	42814809	C	G	<i>PRR19</i>
19	42863035	A	G	<i>MEGF8</i>
19	42864962	G	C	<i>MEGF8</i>
19	42874901	G	A	<i>MEGF8</i>
19	42879810	G	A	<i>MEGF8</i>
19	42880062	C	T	<i>MEGF8</i>
19	42880163	G	A	<i>MEGF8</i>
19	42880565	C	T	<i>MEGF8</i>
19	42912229	C	T	<i>LIPE</i>
19	42914668	G	A	<i>LIPE</i>
19	42914703	C	T	<i>LIPE</i>
19	42930721	G	A	<i>LIPE</i>
19	42931004	A	G	<i>LIPE</i>
19	42931022	C	T	<i>LIPE</i>
19	43023255	T	C	<i>CEACAM1</i>
19	43087484	A	C	<i>CEACAM8</i>
19	43519442	TRUE	C	<i>PSG11</i>
19	43920612	G	T	<i>TEX101</i>
19	43965594	C	T	<i>LYPD3</i>
19	43965664	G	A	<i>LYPD3</i>
19	43965804	G	T	<i>LYPD3</i>
19	43983666	G	A	<i>PHLDB3</i>
19	43991217	C	T	<i>PHLDB3</i>
19	44006342	C	T	<i>PHLDB3</i>
19	44047825	T	G	<i>XRCC1</i>
19	44047826	T	A	<i>XRCC1</i>
19	44048332	C	T	<i>XRCC1</i>
19	44055726	T	C	<i>XRCC1</i>
19	44056400	G	A	<i>XRCC1</i>
19	44056412	C	T	<i>XRCC1</i>
19	44058860	G	A	<i>XRCC1</i>
19	44079591	C	A	<i>XRCC1</i>
19	44111890	C	T	<i>ZNF428</i>
19	44111896	G	T	<i>ZNF428</i>
19	44116609	C	A	<i>SRRM5</i>

19	44116617	GGGGCACACA(-		<i>SRRM5</i>
19	44117052	C	T	<i>SRRM5</i>
19	44117769	G	A	<i>SRRM5</i>
19	44118353	G	A	<i>SRRM5</i>
19	44130960	A	G	<i>CADM4</i>
19	44153100	A	G	<i>PLAUR</i>
19	44153248	T	C	<i>PLAUR</i>
19	44156472	T	C	<i>PLAUR</i>
19	44159722	C	T	<i>PLAUR</i>
19	44169497	C	T	<i>PLAUR</i>
19	44223113	G	A	<i>IRGC</i>
19	44223959	G	A	<i>IRGC</i>
19	44224043	G	A	<i>IRGC</i>
19	44273625	G	T	<i>KCNN4</i>
19	44303066	C	G	<i>LYPD5</i>
19	44351167	GGAGAT	-	<i>ZNF283</i>
19	44351694	C	T	<i>ZNF283</i>
19	44352639	G	A	<i>ZNF283</i>
19	44352665	T	C	<i>ZNF283</i>
19	44352666	G	A	<i>ZNF283</i>
19	44352690	G	T	<i>ZNF283</i>
19	44376937	G	A	<i>ZNF404</i>
19	44377669	G	A	<i>ZNF404</i>
19	44418077	C	T	<i>ZNF45</i>
19	44418680	G	C	<i>ZNF45</i>
19	44418693	T	C	<i>ZNF45</i>
19	44418776	G	A	<i>ZNF45</i>
19	44418824	C	T	<i>ZNF45</i>
19	44419029	C	T	<i>ZNF45</i>
19	44419110	C	G	<i>ZNF45</i>
19	44470147	G	A	<i>ZNF221</i>
19	44470189	T	A	<i>ZNF221</i>
19	44470420	T	C	<i>ZNF221</i>
19	44470663	G	C	<i>ZNF221</i>
19	44470679	C	T	<i>ZNF221</i>
19	44471316	GGTCCAC	-	<i>ZNF221</i>
19	44471322	C	-	<i>ZNF221</i>
19	44471323	G	A	<i>ZNF221</i>
19	44500761	G	A	<i>ZNF155</i>
19	44501243	A	G	<i>ZNF155</i>
19	44514573	G	T	<i>ZNF230</i>
19	44515492	T	A	<i>ZNF230</i>
19	44515514	C	A	<i>ZNF230</i>

19	44536189	A	G	ZNF222
19	44570393	C	A	ZNF223
19	44570951	G	A	ZNF223
19	44571252	-	A	ZNF223
19	44571260	C	A	ZNF223
19	44571264	T	G	ZNF223
19	44585249	T	C	ZNF284
19	44589909	G	A	ZNF284
19	44590000	CTC	-	ZNF284
19	44590661	A	C	ZNF284
19	44590851	G	T	ZNF284
19	44590874	C	T	ZNF284
19	44610665	A	G	ZNF224
19	44610798	A	T	ZNF224
19	44611317	G	A	ZNF224
19	44612231	A	G	ZNF224
19	44635495	G	A	ZNF225
19	44635822	G	A	ZNF225
19	44636131	C	G	ZNF225
19	44660524	A	C	ZNF234
19	44660559	G	T	ZNF234
19	44661427	G	A	ZNF234
19	44661962	G	T	ZNF234
19	44661974	G	A	ZNF234
19	44679149	T	A	ZNF226
19	44680488	C	T	ZNF226
19	44680514	G	A	ZNF226
19	44681720	A	G	ZNF226
19	44739031	G	A	ZNF227
19	44739328	C	T	ZNF227
19	44777406	G	A	ZNF233
19	44778405	A	C	ZNF233
19	44791447	T	A	ZNF235
19	44791807	G	T	ZNF235
19	44792701	T	G	ZNF235
19	44792821	A	C	ZNF235
19	44793164	G	C	ZNF235
19	44793278	A	G	ZNF235
19	44831989	T	G	ZNF112
19	44832875	A	G	ZNF112
19	44832992	C	G	ZNF112
19	44833851	G	C	ZNF112
19	44890801	T	C	ZNF285

19	44890824	T	C	ZNF285
19	44890825	T	G	ZNF285
19	44890887	A	G	ZNF285
19	44932521	C	T	ZNF229
19	44932910	-	T	ZNF229
19	44932972	C	T	ZNF229
19	44933419	C	G	ZNF229
19	44933706	C	T	ZNF229
19	44934187	G	A	ZNF229
19	44934489	G	A	ZNF229
19	44981800	T	C	ZNF180
19	44981832	T	C	ZNF180
19	44981862	A	G	ZNF180
19	44981866	G	A	ZNF180
19	44981883	C	G	ZNF180
19	44982228	T	-	ZNF180
19	44983567	C	G	ZNF180
19	45016116	A	G	CEACAM20
19	45016991	T	-	CEACAM20
19	45016995	G	A	CEACAM20
19	45017249	T	C	CEACAM20
19	45028112	T	C	CEACAM20
19	45028169	C	T	CEACAM20
19	45028231	G	A	CEACAM20
19	45029208	G	A	CEACAM20
19	45117035	T	C	IGSF23
19	45150614	G	A	PVR
19	45153113	G	C	PVR
19	45179567	C	T	CEACAM19
19	45206676	G	T	CEACAM16
19	45207413	G	A	CEACAM16
19	45284266	A	C	CBLC
19	45295664	A	G	CBLC
19	45296767	G	A	CBLC
19	45296806	C	T	CBLC
19	45296846	-	C	CBLC
19	45297479	C	T	CBLC
19	45303639	G	C	CBLC
19	45314497	TGCGCT	-	BCAM
19	45316588	G	A	BCAM
19	45321884	G	A	BCAM
19	45322316	C	T	BCAM
19	45322744	A	G	BCAM

19	45375164	C	T	PVRL2
19	45411110	T	C	APOE
19	45411941	T	C	APOE
19	45448036	T	C	APOC4
19	45448084	G	A	APOC4
19	45448465	T	G	APOC4
19	45494509	A	G	CLPTM1
19	45561063	A	G	CLASRP
19	45579026	G	T	ZNF296
19	45655333	T	C	NKPD1
19	45655486	G	C	NKPD1
19	45659155	G	C	NKPD1
19	45662295	G	A	NKPD1
19	45667499	A	T	TRAPPC6A
19	45716471	G	T	EXOC3L2
19	45728082	C	T	EXOC3L2
19	45797665	C	T	MARK4
19	45810010	A	G	CKM
19	45815163	G	A	CKM
19	45821183	T	C	CKM
19	45852126	C	T	KLC3
19	45854919	T	G	ERCC2
19	45855906	G	A	ERCC2
19	45910365	C	G	CD3EAP
19	45912002	A	C	CD3EAP
19	45912181	G	A	CD3EAP
19	45912406	G	A	CD3EAP
19	45992677	C	T	RTN2
19	46002007	C	T	PPM1N
19	46002583	C	A	PPM1N
19	46120937	C	T	EML2
19	46124517	C	T	EML2
19	46133256	G	A	EML2
19	46141845	T	C	EML2
19	46178020	G	A	GIPR
19	46178071	C	T	GIPR
19	46180976	A	G	GIPR
19	46181392	G	C	GIPR
19	46185036	G	T	GIPR
19	46202131	C	T	QPCTL
19	46206249	C	T	QPCTL
19	46206261	T	C	QPCTL
19	46216540	GCGGAGCCG	-	FBXO46

19	46216642	G	T	<i>FBXO46</i>
19	46268902	C	T	<i>SIX5</i>
19	46274624	G	A	<i>DMPK</i>
19	46275054	G	A	<i>DMPK</i>
19	46275976	G	C	<i>DMPK</i>
19	46299177	C	T	<i>RSPH6A</i>
19	46307592	G	C	<i>RSPH6A</i>
19	46307619	G	C	<i>RSPH6A</i>
19	46318286	G	A	<i>RSPH6A</i>
19	46319245	G	A	<i>SYMPK</i>
19	46332369	C	T	<i>SYMPK</i>
19	46357689	TCT	-	<i>SYMPK</i>
19	46376309	C	T	<i>FOXA3</i>
19	46417875	C	T	<i>NANOS2</i>
19	46520026	A	G	<i>CCDC61</i>
19	46520506	G	C	<i>CCDC61</i>
19	46521569	C	T	<i>CCDC61</i>
19	46543566	C	T	<i>IGFL4</i>
19	46627294	G	A	<i>IGFL3</i>
19	46733038	C	T	<i>IGFL1</i>
19	46733560	T	G	<i>IGFL1</i>
19	46807239	G	A	<i>HIF3A</i>
19	46812451	C	T	<i>HIF3A</i>
19	46823702	A	G	<i>HIF3A</i>
19	46850355	T	C	<i>PPP5C</i>
19	46914547	C	G	<i>CCDC8</i>
19	46915091	T	C	<i>CCDC8</i>
19	46915114	A	C	<i>CCDC8</i>
19	46973707	C	T	<i>PNMAL1</i>
19	46974003	C	T	<i>PNMAL1</i>
19	46998236	C	T	<i>PNMAL2</i>
19	46998691	C	T	<i>PNMAL2</i>
19	47126807	G	T	<i>PTGIR</i>
19	47204207	C	T	<i>PRKD2</i>
19	47207846	G	A	<i>PRKD2</i>
19	47223981	C	T	<i>STRN4</i>
19	47226434	C	T	<i>STRN4</i>
19	47278859	C	G	<i>SLC1A5</i>
19	47280263	T	G	<i>SLC1A5</i>
19	47285706	T	A	<i>SLC1A5</i>
19	47285707	C	T	<i>SLC1A5</i>
19	47285802	G	C	<i>SLC1A5</i>
19	47535548	G	A	<i>NPAS1</i>

19	47542783	G	A	NPAS1
19	47571081	C	T	ZC3H4
19	47575224	GCATGTCTGCC-		ZC3H4
19	47575256	GGGTGCATGTC-		ZC3H4
19	47575257	G	-	ZC3H4
19	47735846	A	G	BBC3
19	47764017	G	A	CCDC9
19	47773687	C	T	CCDC9
19	47774437	C	G	CCDC9
19	47774541	T	G	CCDC9
19	47774666	GAG	-	CCDC9
19	47774706	C	T	CCDC9
19	47774772	T	C	CCDC9
19	47774816	C	T	CCDC9
19	47823038	G	A	C5AR1
19	47856336	C	T	DHX34
19	47858489	C	G	DHX34
19	47883096	C	T	DHX34
19	47883105	C	T	DHX34
19	47883126	C	T	DHX34
19	47883164	GGA	-	DHX34
19	47884089	G	A	DHX34
19	47919955	C	A	MEIS3
19	47920087	C	T	MEIS3
19	47983174	G	C	KPTN
19	47987230	C	T	KPTN
19	47996740	G	A	NAPA
19	48018173	C	T	NAPA
19	48047664	G	T	ZNF541
19	48047729	G	C	ZNF541
19	48058953	G	A	ZNF541
19	48197801	G	A	GLTSCR1
19	48198675	A	G	GLTSCR1
19	48201967	G	A	GLTSCR1
19	48220012	C	T	EHD2
19	48248864	C	A	GLTSCR2
19	48248907	G	C	GLTSCR2
19	48250243	C	G	GLTSCR2
19	48339595	G	A	CRX
19	48377970	T	A	SULT2A1
19	48385359	A	C	SULT2A1
19	48495304	G	A	BSPH1
19	48519158	C	T	ELSPBP1

19	48519241	C	G	<i>ELSPBP1</i>
19	48523128	G	A	<i>ELSPBP1</i>
19	48525507	G	A	<i>ELSPBP1</i>
19	48537585	A	G	<i>CABP5</i>
19	48542481	C	T	<i>CABP5</i>
19	48543969	C	T	<i>CABP5</i>
19	48571072	T	G	<i>PLA2G4C</i>
19	48581033	G	-	<i>PLA2G4C</i>
19	48593639	T	G	<i>PLA2G4C</i>
19	48598823	A	G	<i>PLA2G4C</i>
19	48602948	T	C	<i>PLA2G4C</i>
19	48602951	C	A	<i>PLA2G4C</i>
19	48602995	G	A	<i>PLA2G4C</i>
19	48607875	G	A	<i>PLA2G4C</i>
19	48608598	C	G	<i>PLA2G4C</i>
19	48620943	C	A	<i>LIG1</i>
19	48640807	C	T	<i>LIG1</i>
19	48643270	C	T	<i>LIG1</i>
19	48643312	G	A	<i>LIG1</i>
19	48660361	G	A	<i>LIG1</i>
19	48664732	G	A	<i>LIG1</i>
19	48715196	T	C	<i>CARD8</i>
19	48733756	G	C	<i>CARD8</i>
19	48733814	C	T	<i>CARD8</i>
19	48733928	C	T	<i>CARD8</i>
19	48734195	T	G	<i>CARD8</i>
19	48734942	T	C	<i>CARD8</i>
19	48735017	-	TT	<i>CARD8</i>
19	48737706	A	T	<i>CARD8</i>
19	48789501	T	C	<i>ZNF114</i>
19	48789579	A	G	<i>ZNF114</i>
19	48789612	G	A	<i>ZNF114</i>
19	48801278	G	A	<i>CCDC114</i>
19	48806094	C	T	<i>CCDC114</i>
19	48807210	C	T	<i>CCDC114</i>
19	48814908	-	ACG	<i>CCDC114</i>
19	48821757	G	A	<i>CCDC114</i>
19	48833608	A	G	<i>EMP3</i>
19	48848554	C	T	<i>TMEM143</i>
19	48863424	A	T	<i>TMEM143</i>
19	48869178	C	T	<i>SYNGR4</i>
19	48876829	T	C	<i>SYNGR4</i>
19	48878933	C	T	<i>SYNGR4</i>

19	48879420	G	A	SYNGR4
19	48949678	A	G	GRWD1
19	48950002	GAA	-	GRWD1
19	48953685	C	T	GRWD1
19	48954421	G	A	GRWD1
19	48967789	C	A	KCNJ14
19	49079224	G	A	SULT2B1
19	49079278	T	C	SULT2B1
19	49102599	C	T	SULT2B1
19	49102605	CCAGCC	-	SULT2B1
19	49104509	G	T	FAM83E
19	49113161	C	T	FAM83E
19	49113244	C	T	FAM83E
19	49116200	C	G	FAM83E
19	49116307	G	A	FAM83E
19	49116346	G	A	FAM83E
19	49116359	T	C	FAM83E
19	49132581	G	T	SPHK2
19	49132655	C	G	SPHK2
19	49166741	T	C	NTN5
19	49167531	A	G	NTN5
19	49206625	C	T	FUT2
19	49206818	G	A	FUT2
19	49206985	G	A	FUT2
19	49216607	G	A	MAMSTR
19	49224107	T	C	RASIP1
19	49224120	C	T	RASIP1
19	49244220	G	A	IZUMO1
19	49253517	G	A	FUT1
19	49254504	G	A	FUT1
19	49261368	T	C	FGF21
19	49303070	G	C	BCAT2
19	49309854	C	T	BCAT2
19	49318380	G	A	HSD17B14
19	49337559	C	A	HSD17B14
19	49339098	T	C	HSD17B14
19	49339590	G	A	HSD17B14
19	49339623	C	A	HSD17B14
19	49340661	C	A	PLEKHA4
19	49340746	T	C	PLEKHA4
19	49348842	G	C	PLEKHA4
19	49368843	T	C	PLEKHA4
19	49376683	A	G	PPP1R15A

19	49377086	T	C	PPP1R15A
19	49377089	A	G	PPP1R15A
19	49377242	G	C	PPP1R15A
19	49377319	A	G	PPP1R15A
19	49377424	G	A	PPP1R15A
19	49377436	G	C	PPP1R15A
19	49377889	G	C	PPP1R15A
19	49377918	G	T	PPP1R15A
19	49378994	A	G	PPP1R15A
19	49391404	C	T	TULP2
19	49398341	G	A	TULP2
19	49400634	C	T	TULP2
19	49409026	G	A	NUCB1
19	49424438	G	A	NUCB1
19	49424482	G	T	NUCB1
19	49436980	T	A	DHDH
19	49436982	G	C	DHDH
19	49442849	-	G	DHDH
19	49445774	C	T	DHDH
19	49445817	T	C	DHDH
19	49447713	G	A	DHDH
19	49447749	GA	-	DHDH
19	49448156	C	T	DHDH
19	49481243	T	C	GYS1
19	49514506	C	T	RUVBL2
19	49564992	G	A	NTF4
19	49573363	GGA	-	KCNA7
19	49573363	G	-	KCNA7
19	49573365	AGG	-	KCNA7
19	49573366	GG	-	KCNA7
19	49619539	C	T	LIN7B
19	49621964	T	C	C19orf73
19	49622210	C	T	C19orf73
19	49644685	C	A	PPFIA3
19	49657018	C	T	HRC
19	49657423	A	G	HRC
19	49658209	A	C	HRC
19	49658367	C	T	HRC
19	49671952	G	A	TRPM4
19	49686029	CAAAGCCCCAC-	-	TRPM4
19	49686408	A	C	TRPM4
19	49703585	C	T	TRPM4
19	49703651	A	T	TRPM4

19	49714497	C	T	<i>TRPM4</i>
19	49812607	A	C	<i>SLC6A16</i>
19	49812952	G	C	<i>SLC6A16</i>
19	49814310	C	T	<i>SLC6A16</i>
19	49840207	G	A	<i>CD37</i>
19	49867913	G	A	<i>DKKL1</i>
19	49868818	G	A	<i>DKKL1</i>
19	49869051	T	G	<i>DKKL1</i>
19	49878115	G	A	<i>DKKL1</i>
19	49898519	G	A	<i>CCDC155</i>
19	49899054	T	C	<i>CCDC155</i>
19	49899076	G	A	<i>CCDC155</i>
19	49920634	G	A	<i>CCDC155</i>
19	49949652	G	A	<i>PIH1D1</i>
19	49949912	G	A	<i>PIH1D1</i>
19	49950298	C	T	<i>PIH1D1</i>
19	49954803	C	T	<i>PIH1D1</i>
19	49954807	T	G	<i>PIH1D1</i>
19	49962986	C	G	<i>ALDH16A1</i>
19	49964969	T	C	<i>ALDH16A1</i>
19	49964977	C	G	<i>ALDH16A1</i>
19	49967454	C	T	<i>ALDH16A1</i>
19	49967718	A	T	<i>ALDH16A1</i>
19	49967928	C	T	<i>ALDH16A1</i>
19	49969006	C	G	<i>ALDH16A1</i>
19	49969020	G	A	<i>ALDH16A1</i>
19	49969403	C	T	<i>ALDH16A1</i>
19	49983818	G	A	<i>FLT3LG</i>
19	50017538	G	C	<i>FCGRT</i>
19	50028734	G	T	<i>FCGRT</i>
19	50045861	C	T	<i>RCN3</i>
19	50045878	C	T	<i>RCN3</i>
19	50045979	C	A	<i>RCN3</i>
19	50091763	G	A	<i>PRRG2</i>
19	50091798	G	T	<i>PRRG2</i>
19	50097746	G	A	<i>PRR12</i>
19	50100965	G	A	<i>PRR12</i>
19	50119293	G	T	<i>PRR12</i>
19	50119297	C	T	<i>PRR12</i>
19	50139932	C	T	<i>RRAS</i>
19	50157946	T	C	<i>SCAF1</i>
19	50161091	A	G	<i>SCAF1</i>
19	50162909	C	G	<i>IRF3</i>

19	50165358	C	T	<i>IRF3</i>
19	50170370	C	T	<i>BCL2L12</i>
19	50193437	C	A	<i>ADM5</i>
19	50215114	G	A	<i>CPT1C</i>
19	50216050	C	A	<i>CPT1C</i>
19	50216842	A	G	<i>CPT1C</i>
19	50248501	T	C	<i>TSKS</i>
19	50249883	G	A	<i>TSKS</i>
19	50249905	T	C	<i>TSKS</i>
19	50249933	CTGCTTCTCCT -		<i>TSKS</i>
19	50249935	GCTT	-	<i>TSKS</i>
19	50249940	T	-	<i>TSKS</i>
19	50251422	C	T	<i>TSKS</i>
19	50312801	C	T	<i>FUZ</i>
19	50334047	C	T	<i>MED25</i>
19	50338843	C	G	<i>MED25</i>
19	50360989	A	G	<i>PTOV1</i>
19	50368466	C	T	<i>PNKP</i>
19	50369666	G	A	<i>PNKP</i>
19	50370404	G	A	<i>PNKP</i>
19	50383591	A	G	<i>TBC1D17</i>
19	50386135	C	T	<i>TBC1D17</i>
19	50391003	A	G	<i>TBC1D17</i>
19	50393385	A	C	<i>IL4I1</i>
19	50393405	C	A	<i>IL4I1</i>
19	50394693	G	A	<i>IL4I1</i>
19	50397647	C	T	<i>IL4I1</i>
19	50398373	G	A	<i>IL4I1</i>
19	50435999	C	T	<i>ATF5</i>
19	50484256	G	A	<i>VRK3</i>
19	50510972	CTGGTCTTCTG-		<i>VRK3</i>
19	50510986	G	-	<i>VRK3</i>
19	50542478	G	A	<i>ZNF473</i>
19	50548467	C	T	<i>ZNF473</i>
19	50549633	C	G	<i>ZNF473</i>
19	50661596	T	G	<i>IZUMO2</i>
19	50714016	G	A	<i>MYH14</i>
19	50720949	G	A	<i>MYH14</i>
19	50747534	G	T	<i>MYH14</i>
19	50780082	C	A	<i>MYH14</i>
19	50865535	A	G	<i>NAPSA</i>
19	50881822	-	CAG	<i>NR1H2</i>
19	50902188	A	T	<i>POLD1</i>

19	50902196	C	T	<i>POLD1</i>
19	50902633	G	T	<i>POLD1</i>
19	50905074	G	A	<i>POLD1</i>
19	50905151	G	A	<i>POLD1</i>
19	50905525	G	A	<i>POLD1</i>
19	50905911	G	A	<i>POLD1</i>
19	50925740	G	A	<i>SPIB</i>
19	50926126	C	T	<i>SPIB</i>
19	50940778	C	T	<i>MYBPC2</i>
19	50940938	G	T	<i>MYBPC2</i>
19	50945512	G	A	<i>MYBPC2</i>
19	50949163	G	A	<i>MYBPC2</i>
19	50951640	G	A	<i>MYBPC2</i>
19	50955164	G	T	<i>MYBPC2</i>
19	50957397	G	A	<i>MYBPC2</i>
19	50957412	G	A	<i>MYBPC2</i>
19	50957600	T	C	<i>MYBPC2</i>
19	50958550	A	C	<i>MYBPC2</i>
19	50958794	T	C	<i>MYBPC2</i>
19	50967640	G	A	<i>MYBPC2</i>
19	50979092	G	A	<i>FAM71E1</i>
19	50983419	G	A	<i>EMC10</i>
19	50985170	C	T	<i>EMC10</i>
19	51016200	C	T	<i>ASPDH</i>
19	51017064	G	C	<i>ASPDH</i>
19	51165775	G	A	<i>SHANK1</i>
19	51169830	C	T	<i>SHANK1</i>
19	51172526	G	C	<i>SHANK1</i>
19	51228571	-	GCCCA	<i>CLEC11A</i>
19	51274148	TG	-	<i>GPR32</i>
19	51274150	-	CT	<i>GPR32</i>
19	51274152	A	G	<i>GPR32</i>
19	51274836	T	C	<i>GPR32</i>
19	51297825	G	A	<i>ACPT</i>
19	51297826	C	A	<i>ACPT</i>
19	51297835	G	C	<i>ACPT</i>
19	51301456	G	A	<i>C19orf48</i>
19	51322484	T	A	<i>KLK1</i>
19	51323232	T	C	<i>KLK1</i>
19	51323473	C	G	<i>KLK1</i>
19	51323676	C	T	<i>KLK1</i>
19	51329146	C	T	<i>KLK15</i>
19	51330356	G	A	<i>KLK15</i>

19	51331063	C	T	KLK15
19	51361382	G	A	KLK3
19	51361472	C	A	KLK3
19	51361757	T	C	KLK3
19	51378085	G	A	KLK2
19	51381777	C	T	KLK2
19	51410258	C	T	KLK4
19	51410275	G	A	KLK4
19	51412668	A	C	KLK4
19	51452193	T	C	KLK5
19	51452250	T	C	KLK5
19	51453283	C	T	KLK5
19	51462454	G	A	KLK6
19	51471329	A	G	KLK6
19	51485622	A	G	KLK7
19	51518038	TGGAGCGTAG(-		KLK10
19	51519236	A	G	KLK10
19	51519354	G	A	KLK10
19	51520487	A	C	KLK10
19	51527364	G	A	KLK11
19	51527970	C	T	KLK11
19	51528041	C	T	KLK11
19	51530741	C	G	KLK11
19	51535130	A	G	KLK12
19	51563241	T	G	KLK13
19	51563265	G	A	KLK13
19	51582808	G	A	KLK14
19	51584858	C	T	KLK14
19	51584867	C	T	KLK14
19	51584951	T	C	KLK14
19	51585978	C	T	KLK14
19	51630482	C	A	SIGLEC9
19	51630485	C	A	SIGLEC9
19	51631217	T	C	SIGLEC9
19	51645726	G	A	SIGLEC7
19	51650052	G	A	SIGLEC7
19	51738917	G	A	CD33
19	51738920	T	C	CD33
19	51768717	-	G	SIGLECL1
19	51835867	ACAGAG	-	VSIG10L
19	51837487	C	T	VSIG10L
19	51840597	C	T	VSIG10L
19	51841348	C	G	VSIG10L

19	51841364	G	A	VSIG10L
19	51845371	T	G	VSIG10L
19	51850290	G	A	ETFB
19	51856469	G	A	ETFB
19	51857614	-	G	ETFB
19	51857658	C	T	ETFB
19	51857738	G	A	ETFB
19	51857774	T	G	ETFB
19	51857874	-	CCACAG	ETFB
19	51871194	C	T	CLDND2
19	51883839	A	G	LIM2
19	51914465	CT	-	SIGLEC10
19	51918103	C	G	SIGLEC10
19	51918636	A	G	SIGLEC10
19	51919235	T	C	SIGLEC10
19	51919244	G	C	SIGLEC10
19	51919998	T	C	SIGLEC10
19	51920011	T	G	SIGLEC10
19	51920103	G	C	SIGLEC10
19	51960940	A	G	SIGLEC8
19	51983673	G	A	CEACAM18
19	51984725	T	A	CEACAM18
19	51984727	A	G	CEACAM18
19	51984817	G	A	CEACAM18
19	51986451	G	A	CEACAM18
19	52001485	G	A	SIGLEC12
19	52002957	C	T	SIGLEC12
19	52003331	G	C	SIGLEC12
19	52004743	G	A	SIGLEC12
19	52004747	G	T	SIGLEC12
19	52004878	C	T	SIGLEC12
19	52004903	G	A	SIGLEC12
19	52033158	C	T	SIGLEC6
19	52033206	G	A	SIGLEC6
19	52033742	G	A	SIGLEC6
19	52033967	G	T	SIGLEC6
19	52034506	C	T	SIGLEC6
19	52034549	C	A	SIGLEC6
19	52034887	C	T	SIGLEC6
19	52089982	C	G	ZNF175
19	52090014	C	T	ZNF175
19	52091176	A	T	ZNF175
19	52130438	A	T	SIGLEC5

19	52131119	A	G	<i>SIGLEC5</i>
19	52131177	G	A	<i>SIGLEC5</i>
19	52131256	-	G	<i>SIGLEC5</i>
19	52146847	G	A	<i>SIGLEC14</i>
19	52216870	C	-	<i>HAS1</i>
19	52219609	G	A	<i>HAS1</i>
19	52249211	T	G	<i>FPR1</i>
19	52249760	C	T	<i>FPR1</i>
19	52249947	C	G	<i>FPR1</i>
19	52249959	G	T	<i>FPR1</i>
19	52250216	A	G	<i>FPR1</i>
19	52272131	T	C	<i>FPR2</i>
19	52376119	G	A	<i>ZNF577</i>
19	52376126	C	T	<i>ZNF577</i>
19	52376172	T	A	<i>ZNF577</i>
19	52376207	G	A	<i>ZNF577</i>
19	52376434	T	C	<i>ZNF577</i>
19	52376507	T	C	<i>ZNF577</i>
19	52376876	G	A	<i>ZNF577</i>
19	52380567	G	A	<i>ZNF577</i>
19	52393984	C	T	<i>ZNF649</i>
19	52394614	C	G	<i>ZNF649</i>
19	52447624	C	T	<i>ZNF613</i>
19	52468203	T	A	<i>ZNF350</i>
19	52468527	T	G	<i>ZNF350</i>
19	52469312	G	A	<i>ZNF350</i>
19	52471863	A	G	<i>ZNF350</i>
19	52471872	A	G	<i>ZNF350</i>
19	52497235	G	A	<i>ZNF615</i>
19	52497250	G	A	<i>ZNF615</i>
19	52497745	T	C	<i>ZNF615</i>
19	52497943	G	A	<i>ZNF615</i>
19	52519608	C	T	<i>ZNF614</i>
19	52520183	T	C	<i>ZNF614</i>
19	52520372	C	T	<i>ZNF614</i>
19	52520550	C	T	<i>ZNF614</i>
19	52521296	G	A	<i>ZNF614</i>
19	52537202	C	T	<i>ZNF432</i>
19	52537334	C	T	<i>ZNF432</i>
19	52537650	A	T	<i>ZNF432</i>
19	52569084	T	C	<i>ZNF841</i>
19	52570714	C	G	<i>ZNF841</i>
19	52618124	T	C	<i>ZNF616</i>

19	52619065	T	C	ZNF616
19	52658367	T	C	ZNF836
19	52659872	T	C	ZNF836
19	52660279	C	T	ZNF836
19	52660639	C	G	ZNF836
19	52660644	G	C	ZNF836
19	52660645	G	T	ZNF836
19	52793328	G	A	ZNF766
19	52803670	TG	-	ZNF480
19	52825032	C	T	ZNF480
19	52869022	G	T	ZNF610
19	52869278	G	C	ZNF610
19	52869706	C	A	ZNF610
19	52870001	G	A	ZNF610
19	52870011	G	C	ZNF610
19	52887246	-	CAA	ZNF880
19	52887282	A	G	ZNF880
19	52888245	A	G	ZNF880
19	52918485	G	-	ZNF528
19	52919387	C	T	ZNF528
19	52919433	G	C	ZNF528
19	52938361	C	A	ZNF534
19	52938364	C	T	ZNF534
19	52938417	A	G	ZNF534
19	52941074	C	T	ZNF534
19	52941171	T	C	ZNF534
19	52941540	G	A	ZNF534
19	52941908	C	T	ZNF534
19	53015384	A	G	ZNF578
19	53116514	C	T	ZNF83
19	53116643	T	C	ZNF83
19	53116646	TGT	-	ZNF83
19	53117531	C	T	ZNF83
19	53270543	A	G	ZNF600
19	53270623	G	C	ZNF600
19	53453530	G	C	ZNF816
19	53454387	G	C	ZNF816
19	53454475	-	ACT	ZNF816
19	53571917	G	A	ZNF160
19	53573187	T	G	ZNF160
19	53573417	G	C	ZNF160
19	53612490	T	C	ZNF415
19	53612720	T	C	ZNF415

19	53612745	T	C	ZNF415
19	53612757	T	G	ZNF415
19	53613113	C	T	ZNF415
19	53645291	T	C	ZNF347
19	53645420	A	C	ZNF347
19	53667804	C	T	ZNF665
19	53668068	T	C	ZNF665
19	53668524	A	G	ZNF665
19	53669273	T	C	ZNF665
19	53669402	A	G	ZNF665
19	53669492	A	G	ZNF665
19	53762563	G	C	VN1R2
19	53793042	G	A	BIRC8
19	53793066	G	A	BIRC8
19	53793083	C	T	BIRC8
19	53793241	C	G	BIRC8
19	53854501	C	G	ZNF845
19	53957955	A	G	ZNF761
19	54080067	T	C	ZNF331
19	54310851	T	C	NLRP12
19	54314003	G	A	NLRP12
19	54327313	C	A	NLRP12
19	54544231	G	C	VSTM1
19	54545531	T	C	VSTM1
19	54561722	C	A	VSTM1
19	54578105	C	T	TARM1
19	54598604	T	G	OSCAR
19	54600232	A	C	OSCAR
19	54660548	A	T	LENG1
19	54662043	C	T	LENG1
19	54664209	G	C	TMC4
19	54666464	G	T	TMC4
19	54672316	A	G	TMC4
19	54675729	T	C	TMC4
19	54676763	C	T	TMC4
19	54684691	C	G	MBOAT7
19	54723030	C	A	LILRB3
19	54756246	A	G	LILRB5
19	54759361	T	C	LILRB5
19	54761023	C	G	LILRB5
19	54780736	C	T	LILRB2
19	54818721	G	A	LILRA5
19	54849399	T	C	LILRA4

19	54872594	G	A	LAIR1
19	54872611	A	T	LAIR1
19	54872657	G	C	LAIR1
19	54872698	C	G	LAIR1
19	54876404	G	A	LAIR1
19	54947321	C	T	TTYH1
19	54947332	G	C	TTYH1
19	54966557	G	C	LENG8
19	54967408	C	T	LENG8
19	54968038	A	G	LENG8
19	54973653	C	T	LENG9
19	54973989	CCT	-	LENG9
19	54973990	CT	-	LENG9
19	54973991	T	-	LENG9
19	55019261	C	T	LAIR2
19	55085885	A	G	LILRA2
19	55087313	T	G	LILRA2
19	55098667	G	A	LILRA2
19	55098775	C	T	LILRA2
19	55111980	C	G	LILRA1
19	55144623	C	T	LILRB1
19	55174498	T	C	LILRB4
19	55174519	G	C	LILRB4
19	55176262	A	G	LILRB4
19	55176584	G	T	LILRB4
19	55177691	C	T	LILRB4
19	55378166	G	A	KIR3DL2
19	55396913	G	A	FCAR
19	55418054	A	C	NCR1
19	55450425	C	T	NLRP7
19	55450655	T	C	NLRP7
19	55450667	T	A	NLRP7
19	55451232	C	T	NLRP7
19	55451256	G	T	NLRP7
19	55451257	C	A	NLRP7
19	55451258	T	C	NLRP7
19	55451613	T	G	NLRP7
19	55451720	C	T	NLRP7
19	55493728	C	T	NLRP2
19	55494076	G	A	NLRP2
19	55494111	G	C	NLRP2
19	55494114	G	C	NLRP2
19	55494121	T	G	NLRP2

19	55494126	A	G	<i>NLRP2</i>
19	55494802	C	T	<i>NLRP2</i>
19	55494852	C	T	<i>NLRP2</i>
19	55494951	T	C	<i>NLRP2</i>
19	55505686	C	G	<i>NLRP2</i>
19	55512201	A	G	<i>NLRP2</i>
19	55512232	C	A	<i>NLRP2</i>
19	55525763	A	C	<i>GP6</i>
19	55526103	-	CAGA	<i>GP6</i>
19	55526345	T	G	<i>GP6</i>
19	55526359	A	T	<i>GP6</i>
19	55526373	G	C	<i>GP6</i>
19	55527081	C	T	<i>GP6</i>
19	55530035	C	T	<i>GP6</i>
19	55536595	G	A	<i>GP6</i>
19	55543660	G	A	<i>GP6</i>
19	55556574	G	C	<i>RDH13</i>
19	55568084	C	T	<i>RDH13</i>
19	55568085	G	T	<i>RDH13</i>
19	55587822	G	A	<i>EPS8L1</i>
19	55591088	G	A	<i>EPS8L1</i>
19	55593646	C	G	<i>EPS8L1</i>
19	55593837	G	C	<i>EPS8L1</i>
19	55594996	C	G	<i>EPS8L1</i>
19	55598724	A	G	<i>EPS8L1</i>
19	55624058	A	T	<i>PPP1R12C</i>
19	55670467	G	A	<i>DNAAF3</i>
19	55670642	C	T	<i>DNAAF3</i>
19	55671337	C	T	<i>DNAAF3</i>
19	55672055	A	G	<i>DNAAF3</i>
19	55672513	C	T	<i>DNAAF3</i>
19	55693244	T	C	<i>PTPRH</i>
19	55693469	C	T	<i>PTPRH</i>
19	55693470	G	A	<i>PTPRH</i>
19	55697279	C	T	<i>PTPRH</i>
19	55697595	G	A	<i>PTPRH</i>
19	55697679	G	A	<i>PTPRH</i>
19	55697712	G	A	<i>PTPRH</i>
19	55697867	G	C	<i>PTPRH</i>
19	55698955	C	T	<i>PTPRH</i>
19	55699454	T	C	<i>PTPRH</i>
19	55702910	C	A	<i>PTPRH</i>
19	55703094	G	T	<i>PTPRH</i>

19	55708761	G	T	<i>PTPRH</i>
19	55710068	C	T	<i>PTPRH</i>
19	55710074	G	A	<i>PTPRH</i>
19	55711796	C	T	<i>PTPRH</i>
19	55715309	C	T	<i>PTPRH</i>
19	55738634	T	C	<i>TMEM86B</i>
19	55740069	C	A	<i>TMEM86B</i>
19	55740103	C	T	<i>TMEM86B</i>
19	55742803	G	A	<i>PPP6R1</i>
19	55751205	T	C	<i>PPP6R1</i>
19	55751238	A	C	<i>PPP6R1</i>
19	55752662	T	C	<i>PPP6R1</i>
19	55752885	C	T	<i>PPP6R1</i>
19	55790886	-	GCCGCCGCC	<i>HSPBP1</i>
19	55790903	C	A	<i>HSPBP1</i>
19	55824328	C	T	<i>TMEM150B</i>
19	55824332	T	G	<i>TMEM150B</i>
19	55831502	G	A	<i>TMEM150B</i>
19	55857951	C	A	<i>KMT5C</i>
19	55865252	-	G	<i>COX6B2</i>
19	55869601	T	C	<i>FAM71E2</i>
19	55869892	C	T	<i>FAM71E2</i>
19	55870069	G	A	<i>FAM71E2</i>
19	55870260	G	A	<i>FAM71E2</i>
19	55870404	G	A	<i>FAM71E2</i>
19	55872461	C	T	<i>FAM71E2</i>
19	55873726	G	A	<i>FAM71E2</i>
19	55873768	C	T	<i>FAM71E2</i>
19	55879672	C	T	<i>IL11</i>
19	55879685	C	T	<i>IL11</i>
19	55898046	A	C	<i>RPL28</i>
19	55964723	G	C	<i>ISOC2</i>
19	55966673	G	A	<i>ISOC2</i>
19	56009424	G	A	<i>SSC5D</i>
19	56009465	G	A	<i>SSC5D</i>
19	56011279	C	T	<i>SSC5D</i>
19	56011573	C	T	<i>SSC5D</i>
19	56028918	C	T	<i>SSC5D</i>
19	56030072	A	G	<i>SSC5D</i>
19	56030250	G	A	<i>SSC5D</i>
19	56042661	C	T	<i>SBK2</i>
19	56160797	G	A	<i>CCDC106</i>
19	56188968	A	C	<i>EPN1</i>

19	56188985	C	G	<i>EPN1</i>
19	56200667	C	T	<i>EPN1</i>
19	56203169	C	T	<i>EPN1</i>
19	56203177	GACCCCTGGG(-		<i>EPN1</i>
19	56203177	GACCCCTGGG(-		<i>EPN1</i>
19	56203207	G	-	<i>EPN1</i>
19	56203229	C	-	<i>EPN1</i>
19	56203229	C	T	<i>EPN1</i>
19	56223314	G	A	<i>NLRP9</i>
19	56235368	T	C	<i>NLRP9</i>
19	56235382	G	A	<i>NLRP9</i>
19	56249592	G	T	<i>NLRP9</i>
19	56249615	G	C	<i>NLRP9</i>
19	56249649	T	G	<i>NLRP9</i>
19	56273209	C	G	<i>RFPL4A</i>
19	56297019	G	A	<i>NLRP11</i>
19	56297164	T	G	<i>NLRP11</i>
19	56320813	T	C	<i>NLRP11</i>
19	56320924	C	T	<i>NLRP11</i>
19	56321414	C	A	<i>NLRP11</i>
19	56329447	G	A	<i>NLRP11</i>
19	56369189	G	A	<i>NLRP4</i>
19	56369244	C	T	<i>NLRP4</i>
19	56370038	G	A	<i>NLRP4</i>
19	56372807	G	A	<i>NLRP4</i>
19	56372871	G	A	<i>NLRP4</i>
19	56373462	G	A	<i>NLRP4</i>
19	56382252	G	A	<i>NLRP4</i>
19	56388411	G	A	<i>NLRP4</i>
19	56390237	A	T	<i>NLRP4</i>
19	56416347	G	A	<i>NLRP13</i>
19	56419263	T	C	<i>NLRP13</i>
19	56422049	G	A	<i>NLRP13</i>
19	56423137	T	G	<i>NLRP13</i>
19	56423925	GAAA	-	<i>NLRP13</i>
19	56424305	T	C	<i>NLRP13</i>
19	56424323	A	C	<i>NLRP13</i>
19	56424395	G	A	<i>NLRP13</i>
19	56424569	C	T	<i>NLRP13</i>
19	56459342	C	T	<i>NLRP8</i>
19	56459410	G	A	<i>NLRP8</i>
19	56459458	C	T	<i>NLRP8</i>
19	56459614	G	C	<i>NLRP8</i>

19	56466124	G	A	<i>NLRP8</i>
19	56466133	C	T	<i>NLRP8</i>
19	56466227	A	G	<i>NLRP8</i>
19	56466710	G	A	<i>NLRP8</i>
19	56467375	C	T	<i>NLRP8</i>
19	56473458	C	T	<i>NLRP8</i>
19	56473543	-	T	<i>NLRP8</i>
19	56477710	T	C	<i>NLRP8</i>
19	56485077	A	G	<i>NLRP8</i>
19	56487603	A	G	<i>NLRP8</i>
19	56487619	C	G	<i>NLRP8</i>
19	56499279	G	C	<i>NLRP8</i>
19	56538389	C	G	<i>NLRP5</i>
19	56538441	C	T	<i>NLRP5</i>
19	56538966	G	A	<i>NLRP5</i>
19	56538976	G	C	<i>NLRP5</i>
19	56539013	G	A	<i>NLRP5</i>
19	56539284	G	A	<i>NLRP5</i>
19	56543982	G	T	<i>NLRP5</i>
19	56549510	T	C	<i>NLRP5</i>
19	56572832	G	A	<i>NLRP5</i>
19	56572875	G	A	<i>NLRP5</i>
19	56669884	G	A	<i>ZNF444</i>
19	56693562	G	T	<i>GALP</i>
19	56693620	C	G	<i>GALP</i>
19	56701348	T	C	<i>ZSCAN5B</i>
19	56703271	G	A	<i>ZSCAN5B</i>
19	56704261	T	C	<i>ZSCAN5B</i>
19	56704399	G	A	<i>ZSCAN5B</i>
19	56733374	G	A	<i>ZSCAN5A</i>
19	56733425	C	A	<i>ZSCAN5A</i>
19	56735133	G	C	<i>ZSCAN5A</i>
19	56953429	G	A	<i>ZNF667</i>
19	56953511	T	C	<i>ZNF667</i>
19	56953585	T	C	<i>ZNF667</i>
19	56953861	C	T	<i>ZNF667</i>
19	56953963	G	A	<i>ZNF667</i>
19	56969536	G	A	<i>ZNF667</i>
19	57036012	G	T	<i>ZNF471</i>
19	57036488	G	C	<i>ZNF471</i>
19	57036859	G	C	<i>ZNF471</i>
19	57050515	C	G	<i>ZFP28</i>
19	57058998	C	G	<i>ZFP28</i>

19	57065386	C	T	ZFP28
19	57066013	C	T	ZFP28
19	57066652	G	A	ZFP28
19	57085769	G	C	ZNF470
19	57089050	C	T	ZNF470
19	57133181	CACCAGCGGG ⁻	-	ZNF71
19	57133181	CACCAGCGGG ⁻	-	ZNF71
19	57175578	C	T	ZNF835
19	57176304	T	G	ZNF835
19	57176482	C	T	ZNF835
19	57286568	A	G	ZIM2
19	57286624	G	A	ZIM2
19	57286738	G	A	ZIM2
19	57325083	C	T	PEG3
19	57325372	C	T	PEG3
19	57325728	TCT	-	PEG3
19	57325730	-	TCT	PEG3
19	57326721	C	T	PEG3
19	57326923	G	A	PEG3
19	57326970	T	C	PEG3
19	57327997	C	T	PEG3
19	57329117	G	C	PEG3
19	57330015	T	C	PEG3
19	57330037	C	T	PEG3
19	57333026	C	G	PEG3
19	57333060	C	T	PEG3
19	57335015	C	T	PEG3
19	57641799	G	A	USP29
19	57642394	T	C	USP29
19	57642413	C	A	USP29
19	57642610	A	G	USP29
19	57646393	T	A	ZIM3
19	57646417	G	A	ZIM3
19	57646570	T	C	ZIM3
19	57646767	C	T	ZIM3
19	57647236	T	C	ZIM3
19	57648277	A	T	ZIM3
19	57649900	C	T	ZIM3
19	57649962	C	T	ZIM3
19	57665822	G	-	DUXA
19	57669826	C	T	DUXA
19	57723007	G	C	ZNF264
19	57723013	G	A	ZNF264

19	57764770	G	A	ZNF805
19	57765152	A	G	ZNF805
19	57765985	G	A	ZNF805
19	57802260	A	T	ZNF460
19	57838018	C	G	ZNF543
19	57838058	G	A	ZNF543
19	57839150	A	G	ZNF543
19	57839518	A	G	ZNF543
19	57839675	C	T	ZNF543
19	57839690	A	T	ZNF543
19	57840505	G	A	ZNF543
19	57840547	A	G	ZNF543
19	57863052	T	C	ZNF304
19	57867517	T	C	ZNF304
19	57867599	T	C	ZNF304
19	57868336	A	G	ZNF304
19	57868483	G	A	ZNF304
19	57889072	G	A	ZNF547
19	57909827	G	T	ZNF548
19	57909872	G	A	ZNF548
19	57911003	G	A	ZNF548
19	57931411	A	G	ZNF17
19	57931425	A	G	ZNF17
19	57955624	G	A	ZNF749
19	57955729	G	A	ZNF749
19	57956828	T	G	ZNF749
19	57967049	G	T	VN1R1
19	57985460	T	A	ZNF772
19	57985566	G	C	ZNF772
19	57985702	C	A	ZNF772
19	57987104	C	T	ZNF772
19	57988666	-	GCC	ZNF772
19	58003580	A	G	ZNF419
19	58004346	G	C	ZNF419
19	58004563	G	A	ZNF419
19	58005013	G	A	ZNF419
19	58016027	G	T	ZNF773
19	58017753	C	A	ZNF773
19	58017754	A	G	ZNF773
19	58017758	G	C	ZNF773
19	58048770	C	T	ZNF549
19	58049243	G	A	ZNF549
19	58050006	T	C	ZNF549

19	58058432	T	G	ZNF550
19	58058536	A	G	ZNF550
19	58067703	A	G	ZNF550
19	58084588	G	C	ZNF416
19	58084875	A	G	ZNF416
19	58117083	A	G	ZNF530
19	58117099	G	C	ZNF530
19	58117223	T	A	ZNF530
19	58117399	C	T	ZNF530
19	58118418	C	T	ZNF530
19	58131576	T	C	ZNF134
19	58131799	A	C	ZNF134
19	58132106	A	C	ZNF134
19	58152795	C	T	ZNF211
19	58153436	C	T	ZNF211
19	58153465	T	A	ZNF211
19	58190130	G	A	ZSCAN4
19	58213743	G	A	ZNF154
19	58213773	G	C	ZNF154
19	58213826	C	T	ZNF154
19	58213952	C	A	ZNF154
19	58232781	C	G	ZNF671
19	58233008	G	A	ZNF671
19	58238806	C	T	ZNF671
19	58290569	G	A	ZNF586
19	58319906	C	G	ZNF552
19	58385380	C	T	ZNF814
19	58386018	C	A	ZNF814
19	58437573	C	T	ZNF418
19	58437645	GT	-	ZNF418
19	58437647	-	GG	ZNF418
19	58437654	A	G	ZNF418
19	58452693	C	T	ZNF256
19	58483860	G	A	C19orf18
19	58491627	T	C	ZNF606
19	58511235	C	T	ZNF606
19	58563979	G	A	ZSCAN1
19	58564809	G	A	ZSCAN1
19	58565264	C	G	ZSCAN1
19	58578228	G	T	ZNF135
19	58578458	T	A	ZNF135
19	58578801	G	A	ZNF135
19	58596338	C	T	ZSCAN18

19	58596449	C	T	ZSCAN18
19	58640281	A	C	ZNF329
19	58772262	A	T	ZNF544
19	58772321	C	A	ZNF544
19	58772510	A	G	ZNF544
19	58772579	C	G	ZNF544
19	58773384	A	T	ZNF544
19	58773815	C	T	ZNF544
19	58773876	A	G	ZNF544
19	58774071	A	G	ZNF544
19	58774094	C	T	ZNF544
19	58805725	T	C	ZNF8
19	58805874	T	C	ZNF8
19	58850333	G	T	ZSCAN22
19	58850357	G	A	ZSCAN22
19	58861808	A	G	A1BG
19	58864479	T	C	A1BG
19	58904511	G	A	RPS5
19	58928309	C	T	ZNF584
19	58928751	G	A	ZNF584
19	58928786	A	G	ZNF584
19	58946056	G	A	ZNF132
19	58946203	C	T	ZNF132
19	58966793	G	A	ZNF324B
19	58981184	A	G	ZNF324
19	58982241	G	A	ZNF324
19	58989083	C	T	ZNF446
19	58989495	A	C	ZNF446
19	58991638	C	T	ZNF446
19	58991723	C	T	ZNF446
19	58991900	G	A	ZNF446
19	58991917	C	T	ZNF446
19	59009949	G	C	SLC27A5
19	59010910	A	G	SLC27A5
19	59012027	C	T	SLC27A5
19	59012675	C	T	SLC27A5
19	59022243	C	T	SLC27A5
19	59023166	G	A	SLC27A5
19	59023174	A	G	SLC27A5
19	59028162	G	C	ZBTB45
19	59059519	A	C	TRIM28
19	59073801	G	A	MZF1
19	59074653	T	C	MZF1

19	59082525	G	A	MZF1
19	59082605	C	T	MZF1
20	68396	C	T	DEFB125
20	76771	C	T	DEFB125
20	126149	T	C	DEFB126
20	126156	CAAA	-	DEFB126
20	126156	C	-	DEFB126
20	126214	G	A	DEFB126
20	139456	G	A	DEFB127
20	139576	C	A	DEFB127
20	168558	A	G	DEFB128
20	168625	-	T	DEFB128
20	168728	T	A	DEFB128
20	210306	C	G	DEFB129
20	238436	TGGTCT	-	DEFB132
20	239757	G	T	DEFB132
20	239936	G	A	DEFB132
20	239937	T	C	DEFB132
20	239946	A	C	DEFB132
20	256727	T	A	C20orf96
20	330408	C	G	NRSN2
20	372076	G	A	TRIB3
20	372097	G	A	TRIB3
20	372180	C	T	TRIB3
20	377083	G	A	TRIB3
20	633682	T	C	SRXN1
20	741699	C	A	SLC52A3
20	744308	T	C	SLC52A3
20	744382	G	A	SLC52A3
20	744415	G	A	SLC52A3
20	746197	G	C	SLC52A3
20	826127	C	T	FAM110A
20	826190	G	T	FAM110A
20	858841	C	T	ANGPT4
20	870881	C	T	ANGPT4
20	944649	T	G	RSPO4
20	944718	T	G	RSPO4
20	947909	C	T	RSPO4
20	1099523	T	G	PSMF1
20	1143797	T	C	PSMF1
20	1164424	C	T	TMEM74B
20	1187535	AG	-	C20orf202
20	1210647	T	C	RAD21L1

20	1214814	A	C	<i>RAD21L1</i>
20	1224774	A	C	<i>RAD21L1</i>
20	1285641	A	G	<i>SNPH</i>
20	1286057	G	T	<i>SNPH</i>
20	1286091	A	G	<i>SNPH</i>
20	1292989	C	T	<i>SDCBP2</i>
20	1293019	C	T	<i>SDCBP2</i>
20	1293046	G	A	<i>SDCBP2</i>
20	1293141	C	T	<i>SDCBP2</i>
20	1293247	C	T	<i>SDCBP2</i>
20	1293322	C	T	<i>SDCBP2</i>
20	1294073	G	A	<i>SDCBP2</i>
20	1459060	T	G	<i>SIRPB2</i>
20	1532595	T	C	<i>SIRPD</i>
20	1546805	G	A	<i>SIRPB1</i>
20	1551564	T	C	<i>SIRPB1</i>
20	1600524	T	C	<i>SIRPB1</i>
20	1610931	G	A	<i>SIRPG</i>
20	1616137	G	A	<i>SIRPG</i>
20	1638293	A	T	<i>SIRPG</i>
20	1918143	C	T	<i>SIRPA</i>
20	1918204	C	T	<i>SIRPA</i>
20	1961159	T	A	<i>PDYN</i>
20	2291722	A	C	<i>TGM3</i>
20	2297790	G	A	<i>TGM3</i>
20	2321138	C	T	<i>TGM3</i>
20	2321163	C	T	<i>TGM3</i>
20	2375262	A	G	<i>TGM6</i>
20	2384349	G	A	<i>TGM6</i>
20	2411657	-	AAC	<i>TGM6</i>
20	2463895	T	A	<i>ZNF343</i>
20	2464234	G	A	<i>ZNF343</i>
20	2464984	T	C	<i>ZNF343</i>
20	2539387	G	A	<i>TMC2</i>
20	2552884	A	G	<i>TMC2</i>
20	2559795	T	C	<i>TMC2</i>
20	2635212	A	G	<i>NOP56</i>
20	2636036	G	A	<i>NOP56</i>
20	2736390	G	A	<i>EBF4</i>
20	2776975	C	T	<i>CPXM1</i>
20	2795864	C	T	<i>C20orf141</i>
20	2796003	GACT	-	<i>C20orf141</i>
20	2796341	G	C	<i>C20orf141</i>

20	2816205	C	T	<i>PCED1A</i>
20	2816807	G	A	<i>PCED1A</i>
20	2844679	G	A	<i>VPS16</i>
20	2845214	G	A	<i>VPS16</i>
20	2846052	T	C	<i>VPS16</i>
20	2944928	A	T	<i>PTPRA</i>
20	2945759	C	T	<i>PTPRA</i>
20	3025107	C	T	<i>GNRH2</i>
20	3026346	GCCCC	-	<i>GNRH2</i>
20	3026350	-	GCCCC	<i>GNRH2</i>
20	3090848	T	G	<i>UBOX5</i>
20	3090884	C	A	<i>UBOX5</i>
20	3102855	C	T	<i>UBOX5</i>
20	3102998	G	A	<i>UBOX5</i>
20	3127441	A	G	<i>FASTKD5</i>
20	3127579	T	C	<i>FASTKD5</i>
20	3128578	A	C	<i>FASTKD5</i>
20	3128854	A	G	<i>FASTKD5</i>
20	3146550	C	T	<i>LZTS3</i>
20	3193842	C	A	<i>ITPA</i>
20	3194674	A	G	<i>ITPA</i>
20	3211846	G	A	<i>SLC4A11</i>
20	3218563	T	C	<i>SLC4A11</i>
20	3218634	G	C	<i>SLC4A11</i>
20	3236756	C	T	<i>C20orf194</i>
20	3285140	T	C	<i>C20orf194</i>
20	3285145	C	T	<i>C20orf194</i>
20	3285146	G	C	<i>C20orf194</i>
20	3306879	T	C	<i>C20orf194</i>
20	3356886	T	C	<i>C20orf194</i>
20	3515983	A	T	<i>ATRN</i>
20	3541382	T	C	<i>ATRN</i>
20	3546013	T	C	<i>ATRN</i>
20	3562866	A	G	<i>ATRN</i>
20	3571908	A	G	<i>ATRN</i>
20	3577062	G	A	<i>ATRN</i>
20	3649633	TCTGGACT	-	<i>ADAM33</i>
20	3649636	G	-	<i>ADAM33</i>
20	3650234	A	G	<i>ADAM33</i>
20	3651765	C	T	<i>ADAM33</i>
20	3655219	T	C	<i>ADAM33</i>
20	3672046	C	T	<i>SIGLEC1</i>
20	3672610	C	T	<i>SIGLEC1</i>

20	3672717	G	T	<i>SIGLEC1</i>
20	3673535	T	C	<i>SIGLEC1</i>
20	3673643	G	A	<i>SIGLEC1</i>
20	3675333	G	A	<i>SIGLEC1</i>
20	3675498	T	G	<i>SIGLEC1</i>
20	3682126	C	T	<i>SIGLEC1</i>
20	3684601	G	A	<i>SIGLEC1</i>
20	3686436	C	T	<i>SIGLEC1</i>
20	3687141	C	A	<i>SIGLEC1</i>
20	3687772	C	T	<i>SIGLEC1</i>
20	3759439	C	T	<i>SPEF1</i>
20	3759947	T	C	<i>SPEF1</i>
20	3838441	C	G	<i>MAVS</i>
20	3843015	G	A	<i>MAVS</i>
20	3843027	C	A	<i>MAVS</i>
20	3844929	C	T	<i>MAVS</i>
20	3846397	C	T	<i>MAVS</i>
20	3869884	A	T	<i>PANK2</i>
20	4202315	C	G	<i>ADRA1D</i>
20	4228655	C	T	<i>ADRA1D</i>
20	4680095	CATGGTGGTGC-		<i>PRNP</i>
20	4680251	A	G	<i>PRNP</i>
20	4705274	C	T	<i>PRND</i>
20	4705364	C	T	<i>PRND</i>
20	4705718	C	T	<i>PRND</i>
20	5090075	A	G	<i>TMEM230</i>
20	5282952	C	T	<i>PROKR2</i>
20	5283323	A	C	<i>PROKR2</i>
20	5294763	G	A	<i>PROKR2</i>
20	5547384	C	T	<i>GPCPD1</i>
20	5585052	G	A	<i>GPCPD1</i>
20	5753579	C	T	<i>C20orf196</i>
20	5843952	G	A	<i>C20orf196</i>
20	5903067	T	A	<i>CHGB</i>
20	5903141	G	C	<i>CHGB</i>
20	5903223	G	A	<i>CHGB</i>
20	5903323	G	A	<i>CHGB</i>
20	5903388	A	C	<i>CHGB</i>
20	5903479	A	G	<i>CHGB</i>
20	5903485	G	A	<i>CHGB</i>
20	5903517	A	G	<i>CHGB</i>
20	5904028	C	T	<i>CHGB</i>
20	5904040	G	A	<i>CHGB</i>

20	5904289	G	A	CHGB
20	5923204	T	C	TRMT6
20	5927070	TCT	-	TRMT6
20	5933108	C	A	MCM8
20	5935303	A	C	MCM8
20	5935825	A	G	MCM8
20	5935832	A	G	MCM8
20	5935875	G	A	MCM8
20	5935893	A	G	MCM8
20	5937833	A	G	MCM8
20	5948227	G	A	MCM8
20	5963747	A	G	MCM8
20	5967973	G	A	MCM8
20	5974265	A	G	MCM8
20	6011934	C	T	CRLS1
20	6022657	C	T	LRRN4
20	6031477	C	T	LRRN4
20	6065729	C	T	FERMT1
20	6088265	G	A	FERMT1
20	6093177	A	G	FERMT1
20	6750882	T	G	BMP2
20	6758919	G	A	BMP2
20	7864284	T	C	HAO1
20	7886834	A	G	HAO1
20	7963041	C	T	TMX4
20	7964476	T	C	TMX4
20	8862395	C	T	PLCB1
20	9288522	G	A	PLCB4
20	9352971	G	A	PLCB4
20	9374275	A	G	PLCB4
20	9424868	C	A	PLCB4
20	9523244	C	T	PAK7
20	9543622	C	T	PAK7
20	9561429	C	T	PAK7
20	9561435	C	T	PAK7
20	10026255	G	A	ANKEF1
20	10030452	G	A	ANKEF1
20	10036202	G	A	ANKEF1
20	10386013	C	A	MKKS
20	10386059	G	A	MKKS
20	10393439	C	A	MKKS
20	10579398	C	T	SLX4IP
20	10603750	G	A	SLX4IP

20	10622214	C	T	JAG1
20	11900442	G	A	BTBD3
20	13140720	G	A	SPTLC3
20	13251316	T	C	ISM1
20	13695607	T	G	ESF1
20	13830137	A	C	SEL1L2
20	13830883	A	T	SEL1L2
20	13869131	T	C	SEL1L2
20	13912308	C	T	SEL1L2
20	13912309	G	A	SEL1L2
20	14066276	C	T	MACROD2
20	14306773	T	G	FLRT3
20	14306953	G	T	FLRT3
20	14307019	T	G	FLRT3
20	14307024	C	T	FLRT3
20	15967390	C	T	MACROD2
20	16347868	C	T	KIF16B
20	16348123	A	G	KIF16B
20	16352401	T	C	KIF16B
20	16360177	G	T	KIF16B
20	16360219	C	T	KIF16B
20	16360240	G	A	KIF16B
20	16360654	T	C	KIF16B
20	16409630	C	T	KIF16B
20	16729048	T	C	OTOR
20	16729138	T	C	OTOR
20	17474721	AA	-	BFSP1
20	17474942	G	A	BFSP1
20	17477592	C	T	BFSP1
20	17596155	C	A	RRBP1
20	17600357	G	A	RRBP1
20	17602571	A	G	RRBP1
20	17606183	C	T	RRBP1
20	17610512	C	T	RRBP1
20	17716416	C	G	BANF2
20	17930836	T	C	SNX5
20	17950545	A	T	MGME1
20	17956347	C	T	MGME1
20	17968871	C	T	MGME1
20	18038203	T	C	OVOL2
20	18143117	T	G	CSRP2BP
20	18143417	C	T	CSRP2BP
20	18143551	A	T	CSRP2BP

20	18162405	T	A	<i>CSRP2BP</i>
20	18162481	C	G	<i>CSRP2BP</i>
20	18296072	T	A	<i>ZNF133</i>
20	18296076	G	A	<i>ZNF133</i>
20	18379222	T	A	<i>DZANK1</i>
20	18395153	C	T	<i>DZANK1</i>
20	18396047	C	A	<i>DZANK1</i>
20	18414309	C	T	<i>DZANK1</i>
20	18424032	G	C	<i>DZANK1</i>
20	18505200	G	T	<i>SEC23B</i>
20	18506512	C	T	<i>SEC23B</i>
20	18511412	T	C	<i>SEC23B</i>
20	18513350	G	A	<i>SEC23B</i>
20	18513372	C	T	<i>SEC23B</i>
20	18523002	C	G	<i>SEC23B</i>
20	18794754	C	T	<i>SCP2D1</i>
20	18805976	C	T	<i>C20orf78</i>
20	19261696	C	T	<i>SLC24A3</i>
20	19565693	G	A	<i>SLC24A3</i>
20	19634743	C	G	<i>SLC24A3</i>
20	19654276	C	G	<i>SLC24A3</i>
20	19698205	G	A	<i>SLC24A3</i>
20	19867384	C	T	<i>RIN2</i>
20	19870235	C	T	<i>RIN2</i>
20	19915770	G	A	<i>RIN2</i>
20	19937312	G	A	<i>RIN2</i>
20	19941419	C	T	<i>RIN2</i>
20	19951534	T	A	<i>RIN2</i>
20	19955673	C	G	<i>RIN2</i>
20	19955714	C	T	<i>RIN2</i>
20	19981393	A	T	<i>RIN2</i>
20	20026029	C	T	<i>CRNKL1</i>
20	20032998	T	C	<i>CRNKL1</i>
20	20033137	T	A	<i>CRNKL1</i>
20	20033195	C	G	<i>CRNKL1</i>
20	20033198	C	T	<i>CRNKL1</i>
20	20033223	A	T	<i>CRNKL1</i>
20	20033316	G	A	<i>CRNKL1</i>
20	20033319	A	G	<i>CRNKL1</i>
20	20033322	G	A	<i>CRNKL1</i>
20	20033367	C	G	<i>CRNKL1</i>
20	20071521	T	A	<i>CFAP61</i>
20	20079360	A	G	<i>CFAP61</i>

20	20144772	G	A	CFAP61
20	20144813	G	C	CFAP61
20	20177280	G	A	CFAP61
20	20270952	C	A	CFAP61
20	20340860	-	GA	CFAP61
20	20340862	TCTTC	-	CFAP61
20	20453542	C	T	RALGAPA2
20	20493550	T	C	RALGAPA2
20	20599985	C	T	RALGAPA2
20	20620529	T	C	RALGAPA2
20	20656923	TTA	-	RALGAPA2
20	21314414	G	A	XRN2
20	21321450	C	T	XRN2
20	21327163	G	C	XRN2
20	21493018	C	G	NKX2
20	21494184	C	T	NKX2
20	21695356	C	T	PAX1
20	23016850	C	T	SSTR4
20	23016854	C	A	SSTR4
20	23016970	T	G	SSTR4
20	23017082	T	C	SSTR4
20	23028640	G	A	THBD
20	23028724	G	A	THBD
20	23030015	C	T	THBD
20	23064912	T	C	CD93
20	23065548	C	A	CD93
20	23345844	A	C	GZF1
20	23350790	C	T	GZF1
20	23375624	T	C	NAPB
20	23421079	A	G	CSTL1
20	23421101	G	A	CSTL1
20	23424608	T	C	CSTL1
20	23424613	T	C	CSTL1
20	23424614	G	A	CSTL1
20	23424638	C	T	CSTL1
20	23546709	C	T	CST9L
20	23586360	G	A	CST9
20	23586366	T	C	CST9
20	23731412	G	A	CST1
20	23731488	T	A	CST1
20	23731493	T	G	CST1
20	23805953	C	T	CST2
20	23858216	C	T	CST5

20	23860178	A	G	CST5
20	24523893	G	A	SYNDIG1
20	24523990	G	A	SYNDIG1
20	24952147	G	A	APMAP
20	24952155	T	C	APMAP
20	24964558	T	C	APMAP
20	25038485	G	T	ACSS1
20	25058389	G	C	VSX1
20	25058398	T	C	VSX1
20	25059442	C	T	VSX1
20	25060096	C	T	VSX1
20	25060143	G	C	VSX1
20	25187213	G	A	ENTPD6
20	25187224	C	A	ENTPD6
20	25187724	G	A	ENTPD6
20	25187856	G	A	ENTPD6
20	25195509	A	G	ENTPD6
20	25203612	T	C	ENTPD6
20	25228902	A	C	PYGB
20	25259006	G	T	PYGB
20	25282967	C	T	ABHD12
20	25289111	G	A	ABHD12
20	25398790	G	A	GINS1
20	25434139	C	T	NINL
20	25442190	G	C	NINL
20	25443177	T	G	NINL
20	25456698	C	T	NINL
20	25457022	T	C	NINL
20	25457050	CTCCCA	-	NINL
20	25469920	C	T	NINL
20	25484623	G	A	NINL
20	25485604	C	T	NINL
20	25493585	C	T	NINL
20	25655849	C	T	ZNF337
20	25666737	C	T	ZNF337
20	29960701	T	C	DEFB118
20	29976949	C	A	DEFB119
20	30053314	C	T	DEFB124
20	30053322	T	G	DEFB124
20	30064331	A	G	REM1
20	30064462	G	A	REM1
20	30070197	C	G	REM1
20	30193377	A	G	ID1

20	30227741	G	C	COX4I2
20	30232673	G	A	COX4I2
20	30385267	G	A	TPX2
20	30407387	G	A	MYLK2
20	30433033	C	T	FOXS1
20	30450504	T	A	DUSP15
20	30496398	G	A	TTLL9
20	30496419	T	C	TTLL9
20	30525294	T	C	TTLL9
20	30584710	C	T	XKR7
20	30610508	A	T	CCM2L
20	30659532	G	A	HCK
20	30661605	A	T	HCK
20	30789888	G	A	PLAGL2
20	30818823	G	A	POFUT1
20	30818850	C	T	POFUT1
20	30822339	G	A	POFUT1
20	30898883	G	A	KIF3B
20	31022959	T	C	ASXL1
20	31023472	A	G	ASXL1
20	31023821	G	T	ASXL1
20	31024260	A	G	ASXL1
20	31024450	C	T	ASXL1
20	31024704	G	A	ASXL1
20	31025008	C	T	ASXL1
20	31379479	G	A	DNMT3B
20	31583483	C	T	SUN5
20	31590686	C	A	SUN5
20	31596430	T	A	BPIFB2
20	31596472	A	T	BPIFB2
20	31607551	G	C	BPIFB2
20	31619500	C	T	BPIFB6
20	31619515	G	A	BPIFB6
20	31627276	G	A	BPIFB6
20	31647276	T	G	BPIFB3
20	31647696	G	T	BPIFB3
20	31649627	T	A	BPIFB3
20	31652292	G	A	BPIFB3
20	31652315	G	C	BPIFB3
20	31652478	G	A	BPIFB3
20	31652507	C	A	BPIFB3
20	31656632	C	G	BPIFB3
20	31660543	C	T	BPIFB3

20	31671209	G	C	<i>BPIFB4</i>
20	31671575	T	G	<i>BPIFB4</i>
20	31671577	G	A	<i>BPIFB4</i>
20	31671599	A	G	<i>BPIFB4</i>
20	31671619	G	T	<i>BPIFB4</i>
20	31673846	A	G	<i>BPIFB4</i>
20	31676804	A	C	<i>BPIFB4</i>
20	31688241	T	C	<i>BPIFB4</i>
20	31688260	C	T	<i>BPIFB4</i>
20	31757078	G	A	<i>BPIFA2</i>
20	31761919	A	G	<i>BPIFA2</i>
20	31767461	C	T	<i>BPIFA2</i>
20	31812206	A	G	<i>BPIFA3</i>
20	31812923	G	A	<i>BPIFA3</i>
20	31813013	G	A	<i>BPIFA3</i>
20	31876681	A	G	<i>BPIFB1</i>
20	31877713	A	T	<i>BPIFB1</i>
20	31890175	G	T	<i>BPIFB1</i>
20	31894789	C	G	<i>BPIFB1</i>
20	31897554	G	C	<i>BPIFB1</i>
20	31954726	T	A	<i>CDK5RAP1</i>
20	32000520	G	C	<i>SNTA1</i>
20	32162067	G	C	<i>CBFA2T2</i>
20	32245789	T	C	<i>NECAB3</i>
20	32247750	C	T	<i>NECAB3</i>
20	32251363	T	-	<i>C20orf144</i>
20	32255441	C	A	<i>ACTL10</i>
20	32264675	C	T	<i>E2F1</i>
20	32268180	C	T	<i>E2F1</i>
20	32295541	C	T	<i>PXMP4</i>
20	32295687	G	A	<i>PXMP4</i>
20	32369114	A	G	<i>ZNF341</i>
20	32379195	A	C	<i>ZNF341</i>
20	32664601	C	A	<i>RALY</i>
20	32664926	G	A	<i>RALY</i>
20	32880242	C	T	<i>AHCY</i>
20	32883308	G	A	<i>AHCY</i>
20	33169405	C	T	<i>PIGU</i>
20	33346695	G	A	<i>NCOA6</i>
20	33370005	A	G	<i>NCOA6</i>
20	33442648	T	C	<i>GGT7</i>
20	33501271	C	T	<i>ACSS2</i>
20	33508358	T	C	<i>ACSS2</i>

20	33567299	G	T	MYH7B
20	33574773	A	G	MYH7B
20	33575434	C	T	MYH7B
20	33575677	T	A	MYH7B
20	33577679	G	A	MYH7B
20	33581180	G	A	MYH7B
20	33581971	T	C	MYH7B
20	33582046	C	T	MYH7B
20	33582133	C	T	MYH7B
20	33583331	A	G	MYH7B
20	33584248	G	A	MYH7B
20	33586968	G	A	MYH7B
20	33589846	CAA	-	MYH7B
20	33711831	T	C	EDEM2
20	33762696	T	C	PROCR
20	33763985	C	T	PROCR
20	33834785	C	T	MMP24
20	33872076	T	G	EIF6
20	33872215	C	A	EIF6
20	33874720	C	T	FAM83C
20	33875369	A	G	FAM83C
20	33875492	C	T	FAM83C
20	33875698	C	A	FAM83C
20	33879708	C	T	FAM83C
20	33891824	C	T	UQCC1
20	34078517	G	A	CEP250
20	34085768	-	CCAGGC	CEP250
20	34089740	G	A	CEP250
20	34092076	G	A	CEP250
20	34092171	C	T	CEP250
20	34092213	G	A	CEP250
20	34092583	A	G	CEP250
20	34096808	A	G	CEP250
20	34116282	T	C	C20orf173
20	34135253	T	C	ERGIC3
20	34206041	C	T	SPAG4
20	34214173	G	A	CPNE1
20	34215234	-	A	CPNE1
20	34219496	T	C	CPNE1
20	34219620	G	A	CPNE1
20	34220291	-	C	CPNE1
20	34220548	C	T	CPNE1
20	34220755	C	T	CPNE1

20	34240747	GGGCCG	-	RBM12
20	34240752	-	GGGCCG	RBM12
20	34278459	T	C	NFS1
20	34459652	G	T	PHF20
20	34459706	C	T	PHF20
20	34502107	G	A	PHF20
20	34535529	G	A	PHF20
20	34541968	G	A	SCAND1
20	34560609	G	A	CNBD2
20	34611650	G	A	CNBD2
20	34783252	C	T	EPB41L1
20	34827932	G	T	AAR2
20	34843605	G	A	AAR2
20	35060149	G	A	DLGAP4
20	35060853	G	A	DLGAP4
20	35075310	G	A	DLGAP4
20	35128751	G	A	DLGAP4
20	35262953	G	A	SLA2
20	35422616	G	A	SOGA1
20	35438414	C	T	SOGA1
20	35443554	G	A	SOGA1
20	35457584	T	C	SOGA1
20	35509130	T	G	TLDC2
20	35517702	C	A	TLDC2
20	35526858	C	G	SAMHD1
20	35661138	G	A	RBL1
20	35675512	G	A	RBL1
20	35852309	G	A	RPN2
20	35882698	G	A	GHRH
20	36361372	A	G	CTNNBL1
20	36572456	C	T	VSTM2L
20	36624780	C	T	TTI1
20	36640870	C	T	TTI1
20	36641366	C	T	TTI1
20	36641735	C	T	TTI1
20	36760894	C	A	TGM2
20	36841914	G	A	KIAA1755
20	36845738	C	T	KIAA1755
20	36869516	C	A	KIAA1755
20	36869769	C	T	KIAA1755
20	36932647	G	A	BPI
20	36932660	C	T	BPI
20	36940314	C	T	BPI

20	36946848	G	A	<i>BPI</i>
20	36952300	A	G	<i>BPI</i>
20	36952342	C	T	<i>BPI</i>
20	36954670	G	A	<i>BPI</i>
20	36954724	C	T	<i>BPI</i>
20	36956026	A	G	<i>BPI</i>
20	36974945	C	T	<i>LBP</i>
20	36979245	T	A	<i>LBP</i>
20	36982688	C	A	<i>LBP</i>
20	36982754	G	A	<i>LBP</i>
20	36982779	C	G	<i>LBP</i>
20	36989391	G	A	<i>LBP</i>
20	36989410	A	G	<i>LBP</i>
20	36993333	A	G	<i>LBP</i>
20	36997655	C	T	<i>LBP</i>
20	36997672	C	T	<i>LBP</i>
20	37001761	T	C	<i>LBP</i>
20	37002589	G	A	<i>LBP</i>
20	37198582	C	T	<i>RALGAPB</i>
20	37202908	G	A	<i>RALGAPB</i>
20	37258265	C	T	<i>ARHGAP40</i>
20	37267924	G	A	<i>ARHGAP40</i>
20	37378721	G	A	<i>ACTR5</i>
20	37394968	A	T	<i>ACTR5</i>
20	37396114	A	G	<i>ACTR5</i>
20	37396117	G	A	<i>ACTR5</i>
20	37396120	A	G	<i>ACTR5</i>
20	37547022	A	C	<i>PPP1R16B</i>
20	37580965	G	C	<i>FAM83D</i>
20	37581134	G	C	<i>FAM83D</i>
20	37621052	T	C	<i>DHX35</i>
20	37630439	A	G	<i>DHX35</i>
20	37632498	C	G	<i>DHX35</i>
20	37652345	C	T	<i>DHX35</i>
20	37659385	C	T	<i>DHX35</i>
20	39704896	C	T	<i>TOP1</i>
20	39792063	A	G	<i>PLCG1</i>
20	39797465	T	C	<i>PLCG1</i>
20	39831546	C	T	<i>ZHX3</i>
20	39832628	T	C	<i>ZHX3</i>
20	39833324	G	A	<i>ZHX3</i>
20	39833403	C	T	<i>ZHX3</i>
20	39974502	G	A	<i>LPIN3</i>

20	39977742	G	A	<i>LPIN3</i>
20	39978452	C	T	<i>LPIN3</i>
20	39981502	C	A	<i>LPIN3</i>
20	39983321	C	T	<i>LPIN3</i>
20	39983372	G	A	<i>LPIN3</i>
20	39990371	A	G	<i>EMILIN3</i>
20	39990377	G	C	<i>EMILIN3</i>
20	39990833	C	T	<i>EMILIN3</i>
20	39991611	G	A	<i>EMILIN3</i>
20	40040870	G	A	<i>CHD6</i>
20	40049450	T	A	<i>CHD6</i>
20	40049579	T	A	<i>CHD6</i>
20	40049586	T	C	<i>CHD6</i>
20	40050314	G	A	<i>CHD6</i>
20	40053863	C	T	<i>CHD6</i>
20	40079594	G	C	<i>CHD6</i>
20	40079655	G	C	<i>CHD6</i>
20	40162062	G	C	<i>CHD6</i>
20	40733305	G	T	<i>PTPRT</i>
20	40743945	A	G	<i>PTPRT</i>
20	40877358	G	C	<i>PTPRT</i>
20	41101050	C	T	<i>PTPRT</i>
20	41306627	G	T	<i>PTPRT</i>
20	42142225	G	A	<i>L3MBTL1</i>
20	42143936	G	A	<i>L3MBTL1</i>
20	42163540	G	A	<i>L3MBTL1</i>
20	42194989	T	A	<i>SGK2</i>
20	42196593	A	G	<i>SGK2</i>
20	42208627	C	T	<i>SGK2</i>
20	42265804	G	A	<i>IFT52</i>
20	42331457	A	G	<i>MYBL2</i>
20	42343821	C	G	<i>MYBL2</i>
20	42355002	G	C	<i>GTSF1L</i>
20	42355169	G	C	<i>GTSF1L</i>
20	42635313	G	A	<i>TOX2</i>
20	42635391	C	A	<i>TOX2</i>
20	42679955	A	G	<i>TOX2</i>
20	42682966	G	A	<i>TOX2</i>
20	42694558	-	CCG	<i>TOX2</i>
20	42744463	T	C	<i>JPH2</i>
20	42826350	A	C	<i>OSER1</i>
20	42891917	G	A	<i>GDAP1L1</i>
20	42939693	C	T	<i>FITM2</i>

20	42939767	C	G	<i>FITM2</i>
20	42965841	T	G	<i>R3HDML</i>
20	42965999	G	A	<i>R3HDML</i>
20	42969950	G	-	<i>R3HDML</i>
20	42972130	C	T	<i>R3HDML</i>
20	42973972	A	G	<i>R3HDML</i>
20	43042364	C	T	<i>HN4A</i>
20	43129073	G	A	<i>SERINC3</i>
20	43255220	T	C	<i>ADA</i>
20	43374694	T	C	<i>KCNK15</i>
20	43532662	A	G	<i>YWHAB</i>
20	43547677	T	G	<i>PABPC1L</i>
20	43629135	G	A	<i>STK4</i>
20	43629904	A	G	<i>STK4</i>
20	43653713	C	T	<i>STK4</i>
20	43723573	C	T	<i>KCNS1</i>
20	43723627	T	C	<i>KCNS1</i>
20	43723696	G	A	<i>KCNS1</i>
20	43739100	G	A	<i>WFDC5</i>
20	43739119	G	A	<i>WFDC5</i>
20	43803606	G	A	<i>PI3</i>
20	43803613	C	T	<i>PI3</i>
20	43803618	G	A	<i>PI3</i>
20	43804522	A	C	<i>PI3</i>
20	43804530	A	T	<i>PI3</i>
20	43836173	T	A	<i>SEMG1</i>
20	43836237	T	A	<i>SEMG1</i>
20	43836240	G	A	<i>SEMG1</i>
20	43837053	G	T	<i>SEMG1</i>
20	43837278	G	A	<i>SEMG1</i>
20	43850400	C	A	<i>SEMG2</i>
20	43850550	G	A	<i>SEMG2</i>
20	43851094	G	A	<i>SEMG2</i>
20	43851108	C	T	<i>SEMG2</i>
20	43851148	G	A	<i>SEMG2</i>
20	43851375	G	C	<i>SEMG2</i>
20	43851792	C	T	<i>SEMG2</i>
20	43926614	G	A	<i>MATN4</i>
20	43929790	G	A	<i>MATN4</i>
20	43929982	G	C	<i>MATN4</i>
20	43930036	C	A	<i>MATN4</i>
20	43933348	G	A	<i>MATN4</i>
20	43936854	G	A	<i>RBPJL</i>

20	43938284	G	A	RBPJL
20	43940260	T	C	RBPJL
20	43940531	CAGCGCGTCC(-		RBPJL
20	43945377	C	A	RBPJL
20	43976991	A	G	SDC4
20	44004156	ATT	-	TP53TG5
20	44005936	C	T	TP53TG5
20	44047493	G	T	PIGT
20	44050056	G	A	PIGT
20	44141331	A	G	SPINT3
20	44141400	A	G	SPINT3
20	44144247	A	G	SPINT3
20	44171455	T	C	EPPIN
20	44184370	C	A	WFDC8
20	44190751	T	G	WFDC8
20	44237357	G	A	WFDC9
20	44314609	A	G	WFDC10B
20	44333227	G	A	WFDC13
20	44351095	C	A	SPINT4
20	44352620	G	A	SPINT4
20	44417675	G	C	WFDC3
20	44444099	G	C	UBE2C
20	44463023	GACGAGGACG(-		SNX21
20	44469290	G	A	SNX21
20	44469366	A	C	SNX21
20	44470575	G	A	ACOT8
20	44473030	A	-	ACOT8
20	44477173	G	A	ACOT8
20	44485952	-	ATCT	ACOT8
20	44511257	G	A	ZSWIM1
20	44511533	G	A	ZSWIM1
20	44512082	G	A	ZSWIM1
20	44515244	C	T	SPATA25
20	44515299	C	T	SPATA25
20	44515322	C	T	SPATA25
20	44515559	G	A	SPATA25
20	44516199	G	A	SPATA25
20	44523472	G	A	CTSA
20	44528279	C	T	PLTP
20	44530943	G	A	PLTP
20	44533618	C	T	PLTP
20	44533631	C	G	PLTP
20	44569202	G	A	PCIF1

20	44582435	G	T	ZNF335
20	44588904	G	A	ZNF335
20	44596207	C	G	ZNF335
20	44637624	C	T	MMP9
20	44637635	C	T	MMP9
20	44637678	A	G	MMP9
20	44639214	C	T	MMP9
20	44640225	A	G	MMP9
20	44640275	G	A	MMP9
20	44642406	G	C	MMP9
20	44643111	G	A	MMP9
20	44671875	C	G	SLC12A5
20	44684856	G	A	SLC12A5
20	44692202	A	G	NCOA5
20	44751363	C	T	CD40
20	44757524	C	G	CD40
20	44806808	G	C	CDH22
20	44815292	C	T	CDH22
20	45131155	G	A	ZNF334
20	45131665	T	C	ZNF334
20	45169957	C	T	OCSTAMP
20	45174465	C	T	OCSTAMP
20	45179197	C	T	OCSTAMP
20	45221055	C	G	SLC13A3
20	45242184	T	A	SLC13A3
20	45315786	C	T	TP53RK
20	45354291	G	A	SLC2A10
20	45362399	A	G	SLC2A10
20	45362456	A	G	SLC2A10
20	45717928	A	G	EYA2
20	45717943	C	T	EYA2
20	45878118	C	G	ZMYND8
20	45891151	G	A	ZMYND8
20	46256424	C	T	NCOA3
20	46264888	G	C	NCOA3
20	46275917	A	C	NCOA3
20	46279918	C	T	NCOA3
20	46292275	T	C	SULF2
20	46365636	C	T	SULF2
20	47246069	C	T	PREX1
20	47246077	C	G	PREX1
20	47247325	A	T	PREX1
20	47248885	C	A	PREX1

20	47256372	T	C	<i>PREX1</i>
20	47258763	C	T	<i>PREX1</i>
20	47268002	C	T	<i>PREX1</i>
20	47269233	C	G	<i>PREX1</i>
20	47273726	C	T	<i>PREX1</i>
20	47558417	C	T	<i>ARFGEF2</i>
20	47569311	A	G	<i>ARFGEF2</i>
20	47611060	G	C	<i>ARFGEF2</i>
20	47614885	G	A	<i>ARFGEF2</i>
20	47712930	G	T	<i>CSE1L</i>
20	47841660	G	T	<i>DDX27</i>
20	47865509	G	A	<i>ZNFX1</i>
20	47865672	C	T	<i>ZNFX1</i>
20	47865784	C	T	<i>ZNFX1</i>
20	47865924	T	C	<i>ZNFX1</i>
20	47872377	C	G	<i>ZNFX1</i>
20	47872477	C	T	<i>ZNFX1</i>
20	47874063	T	C	<i>ZNFX1</i>
20	47886696	C	G	<i>ZNFX1</i>
20	47887168	C	T	<i>ZNFX1</i>
20	47887250	T	C	<i>ZNFX1</i>
20	47887812	C	T	<i>ZNFX1</i>
20	47989624	G	A	<i>KCNB1</i>
20	47990250	G	C	<i>KCNB1</i>
20	47990260	G	A	<i>KCNB1</i>
20	48130808	G	A	<i>PTGIS</i>
20	48156236	C	T	<i>PTGIS</i>
20	48252914	C	T	<i>B4GALT5</i>
20	48273174	C	T	<i>B4GALT5</i>
20	48525003	T	A	<i>SPATA2</i>
20	48561952	A	T	<i>RNF114</i>
20	48565831	G	A	<i>RNF114</i>
20	48600631	T	C	<i>SNAI1</i>
20	48808350	G	C	<i>CEBPB</i>
20	49197854	G	A	<i>PTPN1</i>
20	49197873	C	T	<i>PTPN1</i>
20	49214156	A	G	<i>FAM65C</i>
20	49214198	C	G	<i>FAM65C</i>
20	49214214	C	T	<i>FAM65C</i>
20	49221303	T	C	<i>FAM65C</i>
20	49224995	C	T	<i>FAM65C</i>
20	49366743	G	T	<i>PARD6B</i>
20	49493048	C	T	<i>BCAS4</i>

20	49508508	C	T	ADNP
20	49510826	-	TGC	ADNP
20	49575021	G	A	DPM1
20	49576389	C	G	MOCS3
20	49576664	T	G	MOCS3
20	49576685	C	A	MOCS3
20	50048830	C	T	NFATC2
20	50406630	T	G	SALL4
20	50406804	G	C	SALL4
20	50406807	C	A	SALL4
20	50407502	A	C	SALL4
20	50769004	T	C	ZFP64
20	50769016	G	C	ZFP64
20	50769379	C	T	ZFP64
20	51870085	GAG	-	TSHZ2
20	51870151	G	A	TSHZ2
20	51870336	G	C	TSHZ2
20	51871502	G	A	TSHZ2
20	51872869	C	A	TSHZ2
20	52192512	G	C	ZNF217
20	52192560	G	A	ZNF217
20	52192561	C	A	ZNF217
20	52192637	T	C	ZNF217
20	52192998	A	G	ZNF217
20	52193088	C	T	ZNF217
20	52193660	G	A	ZNF217
20	52198138	T	C	ZNF217
20	52198321	C	T	ZNF217
20	52561469	A	G	BCAS1
20	52573971	T	G	BCAS1
20	52611552	G	A	BCAS1
20	52612549	C	T	BCAS1
20	52645166	A	G	BCAS1
20	52645167	C	A	BCAS1
20	52675188	G	T	BCAS1
20	52773992	C	T	CYP24A1
20	52774635	A	G	CYP24A1
20	52788189	C	T	CYP24A1
20	52788190	G	A	CYP24A1
20	52789467	CTT	-	CYP24A1
20	54961541	A	T	AURKA
20	55012461	G	A	CASS4
20	55026920	G	A	CASS4

20	55033420	C	T	CASS4
20	55033507	G	A	CASS4
20	55088404	A	G	RTFDC1
20	55101019	A	G	FAM209A
20	55111364	A	C	FAM209B
20	55904965	C	A	SPO11
20	55909842	A	G	SPO11
20	55941872	C	T	RAE1
20	55982813	G	A	RBM38
20	56083763	G	C	CTCFL
20	56087800	T	C	CTCFL
20	56098733	T	C	CTCFL
20	56099110	C	T	CTCFL
20	56099114	C	G	CTCFL
20	56136531	A	G	PCK1
20	56137758	C	T	PCK1
20	56137895	G	C	PCK1
20	56137901	G	A	PCK1
20	56139365	G	A	PCK1
20	56140633	G	A	PCK1
20	56185303	G	A	ZBP1
20	56186884	T	C	ZBP1
20	56188219	C	T	ZBP1
20	56189985	C	G	ZBP1
20	56190634	C	T	ZBP1
20	56191351	C	T	ZBP1
20	56191387	C	A	ZBP1
20	56728608	G	A	C20orf85
20	56728632	G	A	C20orf85
20	56793724	G	A	ANKRD60
20	56796528	A	T	ANKRD60
20	57014075	T	G	VAPB
20	57016040	TTC	-	VAPB
20	57016076	G	A	VAPB
20	57042171	C	G	APCDD1L
20	57244409	G	T	STX16
20	57287548	A	G	NPEPL1
20	57290347	C	G	NPEPL1
20	57428804	A	G	GNAS
20	57428948	G	C	GNAS
20	57429447	C	T	GNAS
20	57430118	C	G	GNAS
20	57561221	G	A	NELFCD

20	57572709	A	G	CTSZ
20	57572776	T	C	CTSZ
20	57597970	A	C	TUBB1
20	57597971	G	C	TUBB1
20	57598808	G	A	TUBB1
20	57598870	C	G	TUBB1
20	57599303	C	T	TUBB1
20	57599401	C	T	TUBB1
20	57599402	G	A	TUBB1
20	57599557	C	T	TUBB1
20	57768655	G	A	ZNF831
20	57768809	C	T	ZNF831
20	57769563	C	A	ZNF831
20	57828134	A	G	ZNF831
20	57829301	T	C	ZNF831
20	57897443	-	A	EDN3
20	58342349	C	T	PHACTR3
20	58348387	C	T	PHACTR3
20	58452582	A	G	SYCP2
20	58455447	A	G	SYCP2
20	58457181	T	C	SYCP2
20	58461802	T	C	SYCP2
20	58467097	T	G	SYCP2
20	58467157	G	A	SYCP2
20	58470616	-	GTGGTGGTTTA	SYCP2
20	58475869	G	C	SYCP2
20	58476811	C	T	SYCP2
20	58476841	G	T	SYCP2
20	58514312	-	CCGCGCCA	PPP1R3D
20	58514494	C	T	PPP1R3D
20	58545197	C	A	CDH26
20	58559852	G	T	CDH26
20	58562571	C	G	CDH26
20	58564146	A	G	CDH26
20	58567492	T	C	CDH26
20	58576432	A	G	CDH26
20	58576449	T	G	CDH26
20	60318823	C	G	CDH4
20	60348084	C	T	CDH4
20	60498692	G	C	CDH4
20	60503350	A	G	CDH4
20	60581646	T	C	TAF4
20	60768573	C	T	MTG2

20	60770931	A	G	MTG2
20	60773786	G	-	MTG2
20	60773889	C	T	MTG2
20	60775922	C	T	MTG2
20	60776027	C	T	MTG2
20	60878683	A	G	ADRM1
20	60882747	C	A	ADRM1
20	60883778	-	GACACGAAG	ADRM1
20	60884852	G	A	LAMA5
20	60885119	C	A	LAMA5
20	60885127	C	T	LAMA5
20	60886008	G	A	LAMA5
20	60887239	C	T	LAMA5
20	60887356	G	A	LAMA5
20	60889385	G	T	LAMA5
20	60892813	G	A	LAMA5
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20	60893635	C	T	LAMA5
20	60893959	C	T	LAMA5
20	60893979	C	T	LAMA5
20	60893989	C	T	LAMA5
20	60894001	G	A	LAMA5
20	60899196	C	T	LAMA5
20	60899206	C	T	LAMA5
20	60899224	G	A	LAMA5
20	60899513	C	A	LAMA5
20	60900481	A	G	LAMA5
20	60901932	C	T	LAMA5
20	60901986	G	A	LAMA5
20	60902366	G	A	LAMA5
20	60902389	G	A	LAMA5
20	60902965	G	A	LAMA5
20	60903022	G	A	LAMA5
20	60904853	T	C	LAMA5
20	60905878	A	G	LAMA5
20	60908497	G	A	LAMA5
20	60908717	G	A	LAMA5
20	60909316	C	T	LAMA5
20	60910124	T	G	LAMA5
20	60911398	G	A	LAMA5
20	60911434	A	C	LAMA5
20	60921643	T	C	LAMA5
20	60926766	G	A	LAMA5

20	60926987	C	T	LAMA5
20	60928304	A	G	LAMA5
20	60966318	G	T	CABLES2
20	60966460	C	G	CABLES2
20	60968547	A	G	CABLES2
20	60968561	C	T	CABLES2
20	60971397	C	T	CABLES2
20	60986019	A	C	RBBP8NL
20	60987737	C	T	RBBP8NL
20	60989164	G	A	RBBP8NL
20	60989185	C	T	RBBP8NL
20	60989187	G	T	RBBP8NL
20	60989365	C	T	RBBP8NL
20	61048542	C	G	GATA5
20	61162228	C	T	MIR1
20	61162267	T	C	MIR1
20	61288015	G	A	SLCO4A1
20	61288038	G	A	SLCO4A1
20	61299243	C	T	SLCO4A1
20	61340732	C	T	NTSR1
20	61340774	C	T	NTSR1
20	61389669	G	A	NTSR1
20	61443716	G	A	OGFR
20	61444303	C	A	OGFR
20	61444939	G	C	OGFR
20	61450599	C	T	COL9A3
20	61451305	C	T	COL9A3
20	61451332	C	T	COL9A3
20	61453149	T	C	COL9A3
20	61458135	G	A	COL9A3
20	61459315	C	T	COL9A3
20	61463522	C	A	COL9A3
20	61470065	G	A	COL9A3
20	61512185	G	C	DIDO1
20	61513314	C	T	DIDO1
20	61513427	GCTGCTGTTGT-		DIDO1
20	61513430	G	-	DIDO1
20	61513430	G	A	DIDO1
20	61513649	G	T	DIDO1
20	61513649	G	A	DIDO1
20	61522352	C	G	DIDO1
20	61528090	G	A	DIDO1
20	61528271	C	T	DIDO1

20	61594943	G	A	SLC17A9
20	61595614	C	T	SLC17A9
20	61598731	C	T	SLC17A9
20	61834855	G	A	YTHDF1
20	61867626	C	T	BIRC7
20	61869789	A	G	BIRC7
20	61870546	C	T	BIRC7
20	61870824	G	T	BIRC7
20	61878950	A	C	NKAIN4
20	61879009	G	T	NKAIN4
20	61880169	T	G	NKAIN4
20	61908597	C	T	ARFGAP1
20	61917063	A	G	ARFGAP1
20	61917425	G	A	ARFGAP1
20	61929348	C	A	COL20A1
20	61937296	C	T	COL20A1
20	61939929	C	G	COL20A1
20	61944243	A	G	COL20A1
20	61944494	C	T	COL20A1
20	61945439	G	C	COL20A1
20	61950435	C	T	COL20A1
20	61981757	G	A	CHRNA4
20	62046433	C	T	KCNQ2
20	62172244	C	G	SRMS
20	62173561	C	G	SRMS
20	62173817	C	T	SRMS
20	62178513	C	T	SRMS
20	62178555	T	C	SRMS
20	62178594	C	T	SRMS
20	62187807	C	T	C20orf195
20	62190630	C	T	HELZ2
20	62190631	G	A	HELZ2
20	62192235	A	C	HELZ2
20	62192969	G	A	HELZ2
20	62193445	G	A	HELZ2
20	62194011	C	T	HELZ2
20	62194030	G	C	HELZ2
20	62194128	G	A	HELZ2
20	62194212	C	A	HELZ2
20	62196033	C	T	HELZ2
20	62196253	C	A	HELZ2
20	62196625	C	T	HELZ2
20	62196661	C	T	HELZ2

20	62198297	G	A	HELZ2
20	62198348	C	T	HELZ2
20	62200738	G	A	HELZ2
20	62223953	G	C	GMEB2
20	62292793	C	T	RTEL1
20	62293272	A	G	RTEL1
20	62293862	C	T	RTEL1
20	62309621	T	C	RTEL1
20	62321128	G	A	RTEL1
20	62321691	AGA	-	RTEL1
20	62324290	G	A	RTEL1
20	62333231	G	A	ARFRP1
20	62340115	C	G	ZGPAT
20	62367256	G	T	ZGPAT
20	62369997	C	T	LIME1
20	62370231	-	CCTCCCTG	LIME1
20	62373707	G	T	SLC2A4RG
20	62373796	T	G	SLC2A4RG
20	62374112	G	C	SLC2A4RG
20	62422080	T	C	ZBTB46
20	62493384	C	T	ABHD16B
20	62591418	C	G	ZNF512B
20	62595499	C	T	ZNF512B
20	62595547	C	T	ZNF512B
20	62595990	T	C	ZNF512B
20	62597666	C	T	ZNF512B
20	62597996	T	C	ZNF512B
20	62598841	C	T	ZNF512B
20	62608720	T	G	SAMD10
20	62664263	G	A	PRPF6
20	62701627	G	A	TCEA2
20	62707975	G	C	RGS19
20	62729806	G	A	OPRL1
20	62729814	C	T	OPRL1
20	62737568	T	C	NPBWR2
20	62738060	G	A	NPBWR2
20	62838961	A	G	MYT1
20	62839672	C	T	MYT1
20	62844979	C	G	MYT1
20	62853349	C	G	MYT1
21	10910401	TA	-	TPTE
21	10921934	C	A	TPTE
21	11098724	G	A	BAGE

21	15481365	G	T	<i>LIPI</i>
21	15516948	C	T	<i>LIPI</i>
21	15524921	C	T	<i>LIPI</i>
21	15537589	A	G	<i>LIPI</i>
21	15561623	C	T	<i>LIPI</i>
21	15593485	C	A	<i>RBM11</i>
21	15596772	T	G	<i>RBM11</i>
21	15599466	A	G	<i>RBM11</i>
21	15599567	G	A	<i>RBM11</i>
21	15599586	G	A	<i>RBM11</i>
21	15889304	C	G	<i>SAMSN1</i>
21	15954593	G	A	<i>SAMSN1</i>
21	15954595	C	A	<i>SAMSN1</i>
21	15954601	G	T	<i>SAMSN1</i>
21	16015325	C	T	<i>LOC388813</i>
21	16337084	A	C	<i>NRIP1</i>
21	16337111	G	A	<i>NRIP1</i>
21	16338259	A	G	<i>NRIP1</i>
21	16339172	G	C	<i>NRIP1</i>
21	16339348	A	G	<i>NRIP1</i>
21	16339570	T	A	<i>NRIP1</i>
21	16339852	T	C	<i>NRIP1</i>
21	17222109	C	T	<i>USP25</i>
21	17236674	G	C	<i>USP25</i>
21	17250244	A	C	<i>USP25</i>
21	18981367	C	G	<i>BTG3</i>
21	19169218	G	C	<i>C21orf91</i>
21	19651307	G	A	<i>TMPRSS15</i>
21	19651329	G	C	<i>TMPRSS15</i>
21	19651341	G	C	<i>TMPRSS15</i>
21	19670118	G	A	<i>TMPRSS15</i>
21	19685292	G	C	<i>TMPRSS15</i>
21	19687517	T	G	<i>TMPRSS15</i>
21	19726126	G	A	<i>TMPRSS15</i>
21	19726138	G	A	<i>TMPRSS15</i>
21	19756040	C	G	<i>TMPRSS15</i>
21	19770562	T	C	<i>TMPRSS15</i>
21	22746187	T	C	<i>NCAM2</i>
21	26978950	A	G	<i>MRPL39</i>
21	26979786	A	G	<i>MRPL39</i>
21	27938584	C	T	<i>CYYR1</i>
21	28210368	G	A	<i>ADAMTS1</i>
21	28210535	C	T	<i>ADAMTS1</i>

21	28210854	C	T	ADAMTS1
21	28212788	G	A	ADAMTS1
21	28216595	C	G	ADAMTS1
21	28216862	C	A	ADAMTS1
21	28217059	C	T	ADAMTS1
21	28305324	C	T	ADAMTS5
21	28338298	C	G	ADAMTS5
21	28338307	G	T	ADAMTS5
21	28338425	G	A	ADAMTS5
21	30250573	G	A	N6AMT1
21	30250615	T	C	N6AMT1
21	30255347	C	A	N6AMT1
21	30308902	G	A	LTN1
21	30318611	TAAAG	-	LTN1
21	30329728	T	A	LTN1
21	30330724	A	C	LTN1
21	30331935	G	A	LTN1
21	30332911	C	T	LTN1
21	30339234	T	C	LTN1
21	30341891	A	G	LTN1
21	30342933	C	A	LTN1
21	30365162	C	T	LTN1
21	30408670	A	T	USP16
21	30419228	G	A	USP16
21	30435835	T	C	CCT8
21	30698748	C	G	BACH1
21	30698953	T	G	BACH1
21	30699557	G	C	BACH1
21	30699637	A	T	BACH1
21	30925928	A	G	GRIK1
21	30926024	G	A	GRIK1
21	30963448	A	G	GRIK1
21	30963479	T	A	GRIK1
21	31538358	T	C	CLDN17
21	31538692	C	T	CLDN17
21	31587620	A	C	CLDN8
21	31587793	A	G	CLDN8
21	31654638	C	T	KRTAP24
21	31654809	C	T	KRTAP24
21	31655155	A	-	KRTAP24
21	31661691	A	G	KRTAP25
21	31692277	G	T	KRTAP26
21	31709691	G	A	KRTAP27

21	31709703	C	T	KRTAP27
21	31709731	G	A	KRTAP27
21	31744062	C	A	KRTAP13
21	31768847	G	A	KRTAP13
21	31802759	T	C	KRTAP13
21	31802768	G	A	KRTAP13
21	31802913	A	G	KRTAP13
21	31803054	G	A	KRTAP13
21	31812772	C	A	KRTAP15
21	31859574	C	A	KRTAP19
21	31869286	T	C	KRTAP19
21	31874224	C	T	KRTAP19
21	31874240	T	C	KRTAP19
21	31913982	G	-	KRTAP19
21	31914019	C	T	KRTAP19
21	31964889	G	A	KRTAP6
21	31964897	G	A	KRTAP6
21	31964907	G	T	KRTAP6
21	31964916	A	C	KRTAP6
21	31973516	T	A	KRTAP22
21	31973525	A	G	KRTAP22
21	31986097	G	A	KRTAP6
21	31988796	A	T	KRTAP20
21	32119310	G	A	KRTAP21
21	32119447	T	C	KRTAP21
21	32119495	C	G	KRTAP21
21	32253513	A	T	KRTAP11
21	32253629	C	T	KRTAP11
21	32493056	T	C	TIAM1
21	32526668	T	A	TIAM1
21	32567583	C	G	TIAM1
21	32589903	G	C	TIAM1
21	32638549	C	A	TIAM1
21	32638550	C	T	TIAM1
21	32638679	C	T	TIAM1
21	32638963	G	A	TIAM1
21	32639197	C	T	TIAM1
21	33068473	A	G	SCAF4
21	33371123	C	T	HUNK
21	33671300	C	A	MRAP
21	33690022	G	A	URB1
21	33694224	C	G	URB1
21	33711126	G	A	URB1

21	33719580	C	G	<i>URB1</i>
21	33721642	C	T	<i>URB1</i>
21	33723126	G	C	<i>URB1</i>
21	33735605	A	T	<i>URB1</i>
21	33738971	C	T	<i>URB1</i>
21	33744913	T	C	<i>URB1</i>
21	33757947	A	T	<i>URB1</i>
21	33951068	T	C	<i>TCP10L</i>
21	33975515	C	T	<i>C21orf59</i>
21	33984477	T	G	<i>C21orf59</i>
21	34003786	C	T	<i>SYNJ1</i>
21	34003928	-	AGTATT	<i>SYNJ1</i>
21	34012088	G	A	<i>SYNJ1</i>
21	34059352	T	C	<i>SYNJ1</i>
21	34166190	A	T	<i>C21orf62</i>
21	34166479	G	A	<i>C21orf62</i>
21	34166630	T	C	<i>C21orf62</i>
21	34614250	T	C	<i>IFNAR2</i>
21	34614255	T	G	<i>IFNAR2</i>
21	34625019	A	G	<i>IFNAR2</i>
21	34625037	C	G	<i>IFNAR2</i>
21	34635801	G	A	<i>IFNAR2</i>
21	34640788	A	G	<i>IL10RB</i>
21	34652167	G	A	<i>IL10RB</i>
21	34713474	C	T	<i>IFNAR1</i>
21	34715699	G	C	<i>IFNAR1</i>
21	34721524	C	T	<i>IFNAR1</i>
21	34721782	C	T	<i>IFNAR1</i>
21	34799244	A	C	<i>IFNGR2</i>
21	34828050	C	T	<i>TMEM50B</i>
21	34860750	AATTA	-	<i>DNAJC28</i>
21	34861336	TCTTCT	-	<i>DNAJC28</i>
21	34882197	A	G	<i>GART</i>
21	34883618	T	C	<i>GART</i>
21	34889888	A	G	<i>GART</i>
21	34897113	C	T	<i>GART</i>
21	34897281	G	C	<i>GART</i>
21	34922034	C	T	<i>SON</i>
21	34922325	T	C	<i>SON</i>
21	34922515	G	A	<i>SON</i>
21	34924145	A	G	<i>SON</i>
21	34924148	A	G	<i>SON</i>
21	34924863	C	T	<i>SON</i>

21	34925142	C	T	SON
21	34925223	-	TTATTCAGTGT	SON
21	34925635	CGTCCTGGAGT	-	SON
21	34925657	ACTGTCCTGGA	-	SON
21	34925659	T	-	SON
21	34925936	A	G	SON
21	34926260	C	T	SON
21	34948697	A	-	SON
21	34950728	G	A	DONSON
21	34951753	T	G	DONSON
21	34951808	C	T	DONSON
21	34969609	C	A	CRYZL1
21	34971474	T	C	CRYZL1
21	34997018	C	T	CRYZL1
21	35239562	A	G	ITSN1
21	35281496	T	C	ATP5O
21	35467645	A	G	SLC5A3
21	35514749	A	T	MRPS6
21	35742799	A	G	KCNE2
21	35757915	A	G	SMIM11B
21	35772977	G	C	C21orf140
21	35772996	C	G	C21orf140
21	35821680	C	T	KCNE1
21	35821821	T	C	KCNE1
21	35895879	T	C	RCAN1
21	36080276	A	G	CLIC6
21	36088664	A	G	CLIC6
21	37408491	G	C	SETD4
21	37408526	T	A	SETD4
21	37410477	T	C	SETD4
21	37443349	C	T	CBR1
21	37444929	G	A	CBR1
21	37507740	C	G	CBR3
21	37510224	C	T	CBR3
21	37518509	A	-	CBR3
21	37518706	G	A	CBR3
21	37603028	C	T	DOPEY2
21	37605264	A	G	DOPEY2
21	37617630	T	G	DOPEY2
21	37617724	C	A	DOPEY2
21	37618530	C	G	DOPEY2
21	37618626	G	T	DOPEY2
21	37623565	C	T	DOPEY2

21	37660314	C	T	DOPEY2
21	37661405	G	A	DOPEY2
21	37744825	G	A	MORC3
21	37758481	T	C	CHAF1B
21	37759957	C	T	CHAF1B
21	37787619	C	T	CHAF1B
21	38081480	C	T	SIM2
21	38081500	G	A	SIM2
21	38092195	C	T	SIM2
21	38117308	C	A	SIM2
21	38128931	C	T	HLCS
21	38137321	C	T	HLCS
21	38308774	C	T	HLCS
21	38308844	C	T	HLCS
21	38309459	C	T	HLCS
21	38309619	C	A	HLCS
21	38438006	T	C	PIGP
21	38444764	C	T	PIGP
21	38494273	C	G	TTC3
21	38525356	T	C	TTC3
21	38563686	G	C	TTC3
21	38567985	G	A	TTC3
21	38568009	G	C	TTC3
21	38568259	C	T	TTC3
21	38600601	G	A	DSCR3
21	38865433	A	G	DYRK1A
21	39492443	G	T	DSCR4
21	39671476	G	A	KCNJ15
21	40552281	G	A	PSMG1
21	40552341	A	G	PSMG1
21	40568528	T	C	BRWD1
21	40569102	G	A	BRWD1
21	40574305	A	G	BRWD1
21	40574434	T	C	BRWD1
21	40601259	A	G	BRWD1
21	40670460	G	C	BRWD1
21	40752359	T	C	WRB
21	40778182	C	T	LCA5L
21	40781998	C	T	LCA5L
21	40794933	G	T	LCA5L
21	40794933	G	A	LCA5L
21	40794945	G	C	LCA5L
21	40800371	C	T	LCA5L

21	40823902	C	G	SH3BGR
21	40823981	G	A	SH3BGR
21	40834423	-	A	SH3BGR
21	40871810	T	C	SH3BGR
21	40883671	-	AGA	SH3BGR
21	41032740	T	C	B3GALT5
21	41137507	G	C	IGSF5
21	41142892	T	A	IGSF5
21	41142932	C	T	IGSF5
21	41151122	T	C	IGSF5
21	41151154	-	GCTGCT	IGSF5
21	41151163	T	C	IGSF5
21	41160099	C	A	IGSF5
21	41165462	C	A	IGSF5
21	41561045	C	T	DSCAM
21	42647372	G	A	BACE2
21	42694870	G	A	FAM3B
21	42720579	G	A	FAM3B
21	42748864	C	T	MX2
21	42762528	C	A	MX2
21	42770896	G	A	MX2
21	42811635	G	A	MX1
21	42813771	C	G	MX1
21	42824579	A	G	MX1
21	42840394	C	T	TMPRSS2
21	42852497	C	T	TMPRSS2
21	42866297	G	A	TMPRSS2
21	42866439	C	T	TMPRSS2
21	43161252	G	A	RIPK4
21	43161357	T	C	RIPK4
21	43187167	G	C	RIPK4
21	43242347	T	C	PRDM15
21	43254623	C	G	PRDM15
21	43254638	C	T	PRDM15
21	43281767	C	A	PRDM15
21	43327167	T	G	C2CD2
21	43338302	A	G	C2CD2
21	43339018	A	G	C2CD2
21	43411171	T	C	ZBTB21
21	43411549	CCT	-	ZBTB21
21	43412640	G	C	ZBTB21
21	43413219	A	G	ZBTB21
21	43413553	T	G	ZBTB21

21	43413631	G	T	ZBTB21
21	43496282	T	C	UMODL1
21	43505436	G	A	UMODL1
21	43508479	G	A	UMODL1
21	43510437	A	G	UMODL1
21	43510437	A	C	UMODL1
21	43524018	G	A	UMODL1
21	43531008	T	C	UMODL1
21	43531264	C	G	UMODL1
21	43531553	A	C	UMODL1
21	43531568	A	G	UMODL1
21	43531632	T	C	UMODL1
21	43531669	C	A	UMODL1
21	43531731	C	T	UMODL1
21	43533797	T	C	UMODL1
21	43539287	G	A	UMODL1
21	43539293	G	A	UMODL1
21	43543193	G	A	UMODL1
21	43546473	G	A	UMODL1
21	43546509	G	A	UMODL1
21	43547165	G	A	UMODL1
21	43547873	G	A	UMODL1
21	43557698	A	C	UMODL1
21	43697009	C	T	ABCG1
21	43708097	G	A	ABCG1
21	43733628	C	T	TFF3
21	43795896	C	T	TMPRSS3
21	43803167	T	C	TMPRSS3
21	43808545	G	T	TMPRSS3
21	43809092	C	T	TMPRSS3
21	43809152	G	-	TMPRSS3
21	43810084	C	T	TMPRSS3
21	43824106	A	G	UBASH3A
21	43852246	G	A	UBASH3A
21	43857602	C	G	UBASH3A
21	43867290	A	G	UBASH3A
21	43896143	C	T	RSPH1
21	43896152	C	T	RSPH1
21	43897478	A	C	RSPH1
21	43985958	A	T	SLC37A1
21	44151970	G	A	PDE9A
21	44190901	T	G	PDE9A
21	44270229	C	T	WDR4

21	44279813	C	T	WDR4
21	44317065	G	A	NDUFV3
21	44317156	A	C	NDUFV3
21	44323668	-	G	NDUFV3
21	44323720	C	T	NDUFV3
21	44324329	G	A	NDUFV3
21	44474003	C	T	CBS
21	44483184	-	TGATCTGCAGA	CBS
21	44483184	A	G	CBS
21	44837555	G	A	SIK1
21	44839263	C	T	SIK1
21	44839786	G	C	SIK1
21	44846016	C	T	SIK1
21	44949729	G	A	HSF2BP
21	45096738	G	A	RRP1B
21	45106786	T	G	RRP1B
21	45107562	T	C	RRP1B
21	45107766	G	A	RRP1B
21	45166002	C	T	PDXK
21	45194586	C	T	CSTB
21	45217539	A	G	RRP1
21	45220474	G	A	RRP1
21	45220483	A	G	RRP1
21	45379653	G	A	AGPAT3
21	45391272	C	T	AGPAT3
21	45502844	T	G	TRAPPC10
21	45506743	C	T	TRAPPC10
21	45528919	G	A	PWP2
21	45537819	G	A	PWP2
21	45540962	A	G	PWP2
21	45542072	T	A	PWP2
21	45544573	G	A	PWP2
21	45550544	G	C	PWP2
21	45553596	T	C	C21orf33
21	45560145	G	A	C21orf33
21	45564748	T	G	C21orf33
21	45564766	C	G	C21orf33
21	45564775	A	C	C21orf33
21	45670770	T	C	DNMT3L
21	45709906	C	G	AIRE
21	45716269	G	A	AIRE
21	45725746	C	T	PFKL
21	45732093	G	A	PFKL

21	45732905	A	G	<i>PFKL</i>
21	45745065	C	A	<i>PFKL</i>
21	45745940	A	G	<i>PFKL</i>
21	45746067	C	G	<i>PFKL</i>
21	45746102	T	C	<i>PFKL</i>
21	45750145	T	C	<i>C21orf2</i>
21	45751814	C	T	<i>C21orf2</i>
21	45751822	G	A	<i>C21orf2</i>
21	45786670	G	A	<i>TRPM2</i>
21	45811343	T	G	<i>TRPM2</i>
21	45815425	C	G	<i>TRPM2</i>
21	45820196	C	T	<i>TRPM2</i>
21	45838333	C	T	<i>TRPM2</i>
21	45845596	CAGGAAGAAG/-		<i>TRPM2</i>
21	45845616	C	-	<i>TRPM2</i>
21	45846544	C	T	<i>TRPM2</i>
21	45855079	C	T	<i>TRPM2</i>
21	45859017	C	T	<i>TRPM2</i>
21	45859048	G	A	<i>TRPM2</i>
21	45919761	C	T	<i>TSPEAR</i>
21	45945648	G	C	<i>TSPEAR</i>
21	45947285	G	T	<i>TSPEAR</i>
21	45953695	C	T	<i>TSPEAR</i>
21	45953755	G	A	<i>TSPEAR</i>
21	45953773	C	T	<i>TSPEAR</i>
21	45987821	C	T	<i>TSPEAR</i>
21	45994841	A	C	<i>KRTAP10</i>
21	46000398	C	T	<i>KRTAP10</i>
21	46000445	C	G	<i>KRTAP10</i>
21	46021557	C	T	<i>KRTAP10</i>
21	46021600	C	G	<i>KRTAP10</i>
21	46021624	C	T	<i>KRTAP10</i>
21	46032083	T	A	<i>KRTAP10</i>
21	46032087	G	A	<i>KRTAP10</i>
21	46032094	A	G	<i>KRTAP10</i>
21	46032411	G	T	<i>KRTAP10</i>
21	46032417	T	G	<i>KRTAP10</i>
21	46032637	C	T	<i>KRTAP10</i>
21	46047812	G	A	<i>KRTAP10</i>
21	46047857	C	T	<i>KRTAP10</i>
21	46047920	C	T	<i>KRTAP10</i>
21	46057393	T	A	<i>KRTAP10</i>
21	46057417	A	C	<i>KRTAP10</i>

21	46057418	G	C	KRTAP10
21	46057422	T	A	KRTAP10
21	46057613	CTGCTGTGTGC-		KRTAP10
21	46057626	GTCTGCTGTGT-		KRTAP10
21	46057634	T	-	KRTAP10
21	46057635	G	-	KRTAP10
21	46057635	G	A	KRTAP10
21	46057636	T	-	KRTAP10
21	46057636	T	A	KRTAP10
21	46057640	C	-	KRTAP10
21	46057711	G	C	KRTAP10
21	46077946	A	G	KRTAP12
21	46078056	G	A	KRTAP12
21	46086470	G	A	KRTAP12
21	46086488	C	T	KRTAP12
21	46086521	A	G	KRTAP12
21	46086718	G	C	KRTAP12
21	46086719	A	G	KRTAP12
21	46101933	C	T	KRTAP12
21	46101939	C	T	KRTAP12
21	46117792	G	A	KRTAP10
21	46117823	G	A	KRTAP10
21	46131386	G	A	TSPEAR
21	46271452	C	T	PTTG1IP
21	46271460	T	C	PTTG1IP
21	46276177	C	T	PTTG1IP
21	46281170	G	C	PTTG1IP
21	46309312	G	A	ITGB2
21	46314907	T	A	ITGB2
21	46685470	G	A	POFUT2
21	46687469	G	A	POFUT2
21	46703410	C	T	POFUT2
21	46876004	C	T	COL18A1
21	46876306	G	A	COL18A1
21	46876717	G	C	COL18A1
21	46888545	G	A	COL18A1
21	46893848	G	A	COL18A1
21	46902721	G	A	COL18A1
21	46910210	G	A	COL18A1
21	46911188	C	G	COL18A1
21	46913477	G	C	COL18A1
21	46925127	G	A	COL18A1
21	46925141	GGCCCCCA	-	COL18A1

21	46925149	-	GGCCCCCCC	COL18A1
21	46925149	A	-	COL18A1
21	46930092	G	A	COL18A1
21	46930138	G	A	COL18A1
21	46931109	G	A	COL18A1
21	46945774	A	G	SLC19A1
21	47402620	C	A	COL6A1
21	47402652	C	T	COL6A1
21	47404302	G	A	COL6A1
21	47404305	T	C	COL6A1
21	47410727	C	T	COL6A1
21	47412687	G	A	COL6A1
21	47421960	T	C	COL6A1
21	47423040	A	G	COL6A1
21	47423389	G	A	COL6A1
21	47423482	C	T	COL6A1
21	47423509	C	T	COL6A1
21	47423649	A	G	COL6A1
21	47423706	G	A	COL6A1
21	47532093	G	A	COL6A2
21	47532288	G	A	COL6A2
21	47532456	G	A	COL6A2
21	47533977	G	A	COL6A2
21	47537804	C	G	COL6A2
21	47538960	G	A	COL6A2
21	47542052	C	T	COL6A2
21	47544833	C	T	COL6A2
21	47545768	G	A	COL6A2
21	47549283	G	A	COL6A2
21	47558507	G	A	FTCD
21	47558552	G	A	FTCD
21	47565371	G	T	FTCD
21	47570433	G	A	FTCD
21	47571810	T	A	FTCD
21	47571880	C	T	FTCD
21	47572887	C	T	FTCD
21	47581423	C	T	SPATC1L
21	47581835	C	T	SPATC1L
21	47581949	C	T	SPATC1L
21	47588428	G	A	SPATC1L
21	47602691	C	T	SPATC1L
21	47614469	A	C	LSS
21	47614528	C	T	LSS

21	47639417	C	G	LSS
21	47641794	C	T	LSS
21	47666744	G	T	MCM3AP
21	47674751	G	A	MCM3AP
21	47685317	G	A	MCM3AP
21	47686037	A	C	MCM3AP
21	47699982	T	C	MCM3AP
21	47704015	C	T	MCM3AP
21	47734844	G	A	C21orf58
21	47735449	C	T	C21orf58
21	47766113	T	G	PCNT
21	47773177	C	T	PCNT
21	47777063	G	A	PCNT
21	47786524	A	G	PCNT
21	47786722	C	T	PCNT
21	47808679	C	T	PCNT
21	47817247	C	T	PCNT
21	47817307	C	G	PCNT
21	47817316	G	A	PCNT
21	47818156	C	G	PCNT
21	47831509	A	G	PCNT
21	47836206	A	C	PCNT
21	47836395	T	G	PCNT
21	47836403	T	C	PCNT
21	47836466	C	T	PCNT
21	47838153	T	G	PCNT
21	47838182	C	G	PCNT
21	47841941	A	G	PCNT
21	47841977	G	A	PCNT
21	47841989	C	T	PCNT
21	47845874	G	C	PCNT
21	47850484	G	C	PCNT
21	47851636	G	A	PCNT
21	47851753	A	G	PCNT
21	47852049	G	A	PCNT
21	47855989	T	C	PCNT
21	47863729	G	A	PCNT
21	47863757	A	C	PCNT
21	47918662	C	G	DIP2A
21	47929238	C	T	DIP2A
21	47949017	G	A	DIP2A
21	47952128	T	C	DIP2A
21	47954567	C	T	DIP2A

21	47965873	C	T	DIP2A
21	47971652	G	A	DIP2A
21	48071901	C	T	PRMT2
22	17280822	G	A	XKR3
22	17449273	G	A	GAB4
22	17450929	C	T	GAB4
22	17450952	A	G	GAB4
22	17469049	C	A	GAB4
22	17577965	C	T	IL17RA
22	17583106	G	C	IL17RA
22	17589283	G	T	IL17RA
22	17589794	C	A	IL17RA
22	17600313	C	T	CECR6
22	17600385	G	T	CECR6
22	17618937	G	A	CECR5
22	17662442	C	G	CECR1
22	17669265	C	T	CECR1
22	17669306	T	C	CECR1
22	17670877	C	T	CECR1
22	17690374	G	A	CECR1
22	17990852	G	A	CECR2
22	17990920	A	C	CECR2
22	18021604	C	T	CECR2
22	18021936	A	G	CECR2
22	18028672	C	G	CECR2
22	18028707	G	A	CECR2
22	18028930	T	C	CECR2
22	18031793	C	T	CECR2
22	18165995	T	G	BCL2L13
22	18171776	G	A	BCL2L13
22	18209496	A	G	BCL2L13
22	18209920	C	T	BCL2L13
22	18209989	G	A	BCL2L13
22	18226764	T	C	BID
22	18293542	A	G	MICAL3
22	18300278	C	T	MICAL3
22	18300757	C	T	MICAL3
22	18301190	G	A	MICAL3
22	18301508	T	C	MICAL3
22	18305797	C	T	MICAL3
22	18347598	C	T	MICAL3
22	18354783	T	G	MICAL3
22	18355596	C	T	MICAL3

22	18358260	G	A	MICAL3
22	18358301	C	T	MICAL3
22	18371970	T	C	MICAL3
22	18379620	T	C	MICAL3
22	18389548	G	C	MICAL3
22	18561272	C	T	PEX26
22	18561342	A	G	PEX26
22	18562734	T	C	PEX26
22	18566240	G	C	PEX26
22	18566288	C	G	PEX26
22	18567938	C	T	PEX26
22	18570834	G	A	PEX26
22	18609703	C	T	TUBA8
22	18650682	C	T	USP18
22	18898420	G	A	DGCR6
22	18901004	C	T	PRODH
22	18905842	C	T	PRODH
22	18905859	G	A	PRODH
22	18905893	C	A	PRODH
22	18905899	G	A	PRODH
22	18905934	A	G	PRODH
22	18909902	A	T	PRODH
22	18910355	G	T	PRODH
22	18912581	C	T	PRODH
22	18912677	C	T	PRODH
22	18912678	A	G	PRODH
22	19026403	C	T	DGCR2
22	19026613	A	G	DGCR2
22	19028643	C	T	DGCR2
22	19029374	G	A	DGCR2
22	19029407	AGG	-	DGCR2
22	19076970	C	T	DGCR2
22	19118992	A	G	TSSK2
22	19119490	A	C	TSSK2
22	19119751	C	T	TSSK2
22	19121872	G	A	DGCR14
22	19124865	C	T	DGCR14
22	19130247	G	A	DGCR14
22	19132062	G	A	DGCR14
22	19168288	C	T	CLTCL1
22	19170956	C	T	CLTCL1
22	19184095	T	C	CLTCL1
22	19187289	C	T	CLTCL1

22	19195680	T	C	CLTCL1
22	19196615	C	T	CLTCL1
22	19197949	G	A	CLTCL1
22	19207491	T	C	CLTCL1
22	19211467	T	A	CLTCL1
22	19217422	C	T	CLTCL1
22	19223352	T	C	CLTCL1
22	19226874	T	C	CLTCL1
22	19230365	T	C	CLTCL1
22	19241688	C	T	CLTCL1
22	19263266	C	A	CLTCL1
22	19373208	C	T	HIRA
22	19420088	C	A	MRPL40
22	19420109	T	C	MRPL40
22	19423250	G	A	MRPL40
22	19467510	C	G	CDC45
22	19470249	G	A	CDC45
22	19482035	C	G	CDC45
22	19502488	G	A	CDC45
22	19766782	C	T	TBX1
22	19776365	G	A	GNB1L
22	19808167	A	G	GNB1L
22	19808874	G	A	GNB1L
22	19839274	A	G	C22orf29
22	19839438	C	T	C22orf29
22	19839516	C	T	C22orf29
22	19883021	C	G	TXNRD2
22	19907099	C	A	TXNRD2
22	19950263	G	T	COMT
22	19959456	G	A	ARVCF
22	19959464	C	T	ARVCF
22	19959465	G	A	ARVCF
22	19959473	C	T	ARVCF
22	19959913	C	T	ARVCF
22	19960512	A	G	ARVCF
22	19961692	G	C	ARVCF
22	19965563	C	T	ARVCF
22	20043504	G	A	TANGO2
22	20074006	A	G	DGCR8
22	20077566	G	A	DGCR8
22	20082293	A	G	DGCR8
22	20100158	G	C	TRMT2A
22	20100166	-	C	TRMT2A

22	20101289	C	T	TRMT2A
22	20130474	C	T	ZDHHC8
22	20302276	A	T	DGCR6L
22	20759672	G	A	ZNF74
22	20761112	T	A	ZNF74
22	20781732	G	A	SCARF2
22	20784050	T	A	SCARF2
22	20800848	T	C	KLHL22
22	20922855	GCA	-	MED15
22	21133619	G	A	SERPIND1
22	21133831	C	A	SERPIND1
22	21134223	G	A	SERPIND1
22	21165311	T	C	PI4KA
22	21235389	A	G	SNAP29
22	21327589	C	T	AIFM3
22	21328568	G	A	AIFM3
22	21331032	C	T	AIFM3
22	21355576	C	G	THAP7
22	21369548	A	T	P2RX6
22	21377650	G	A	P2RX6
22	21383429	A	T	SLC7A4
22	21384206	T	C	SLC7A4
22	21384475	A	C	SLC7A4
22	21384578	C	T	SLC7A4
22	21385191	G	T	SLC7A4
22	21385918	C	T	SLC7A4
22	21385954	T	C	SLC7A4
22	21386019	G	A	SLC7A4
22	21400282	G	C	LRRC74B
22	21400375	G	T	LRRC74B
22	21401699	G	A	LRRC74B
22	21406582	G	A	LRRC74B
22	21407656	T	C	LRRC74B
22	21982892	C	T	YDJC
22	21988524	C	T	CCDC116
22	21988599	G	A	CCDC116
22	21988602	C	T	CCDC116
22	21988641	C	T	CCDC116
22	21989008	C	G	CCDC116
22	21989142	G	A	CCDC116
22	21989325	C	T	CCDC116
22	21990823	G	A	CCDC116
22	21991072	T	C	CCDC116

22	21991120	G	A	CCDC116
22	21991307	A	G	CCDC116
22	21998280	G	A	SDF2L1
22	21998346	G	A	SDF2L1
22	21998448	G	A	SDF2L1
22	22036763	G	A	PPIL2
22	22042377	C	A	PPIL2
22	22277571	A	C	PPM1F
22	22288560	G	A	PPM1F
22	22293921	TCC	-	PPM1F
22	22293945	TCT	-	PPM1F
22	22316911	C	T	TOP3B
22	22318354	T	C	TOP3B
22	22318364	G	A	TOP3B
22	22318538	C	T	TOP3B
22	22599537	G	A	VPREB1
22	22842664	T	C	ZNF280B
22	22842957	T	G	ZNF280B
22	22868493	G	T	ZNF280A
22	22868497	G	C	ZNF280A
22	22869123	T	C	ZNF280A
22	22869209	C	G	ZNF280A
22	22869218	T	C	ZNF280A
22	22869528	G	T	ZNF280A
22	22869545	T	G	ZNF280A
22	22869548	T	C	ZNF280A
22	22869626	G	A	ZNF280A
22	22869720	A	G	ZNF280A
22	22869742	C	A	ZNF280A
22	22890642	C	A	PRAME
22	22892314	G	A	PRAME
22	22892449	T	C	PRAME
22	22893394	A	T	PRAME
22	22893463	G	C	PRAME
22	23230300	C	T	IGLL5
22	23401668	G	A	RSPH14
22	23482483	G	A	RSPH14
22	23495247	C	G	RAB36
22	23503155	C	T	RAB36
22	23503170	A	G	RAB36
22	23523285	G	T	BCR
22	23523644	G	A	BCR
22	23524069	C	T	BCR

22	23627369	A	G	BCR
22	23634790	G	A	BCR
22	23917192	G	T	IGLL1
22	23922281	C	T	IGLL1
22	23974200	A	G	DRICH1
22	24034288	A	G	RGL4
22	24034304	G	C	RGL4
22	24034326	C	T	RGL4
22	24034671	T	C	RGL4
22	24034867	C	T	RGL4
22	24035129	C	T	RGL4
22	24035970	C	T	RGL4
22	24039410	C	T	RGL4
22	24095221	G	A	VPREB3
22	24107048	C	T	C22orf15
22	24121378	C	T	MMP11
22	24121441	C	T	MMP11
22	24121497	C	T	MMP11
22	24121521	T	C	MMP11
22	24123166	G	A	MMP11
22	24179132	G	A	DERL3
22	24179922	G	C	DERL3
22	24180552	C	-	DERL3
22	24199704	C	T	SLC2A11
22	24220053	G	C	SLC2A11
22	24226890	G	A	SLC2A11
22	24313531	GA	-	DDTL
22	24313814	-	CC	DDT
22	24432578	T	G	CABIN1
22	24437704	A	G	CABIN1
22	24447303	G	A	CABIN1
22	24460593	A	C	CABIN1
22	24466964	C	T	CABIN1
22	24468346	C	G	CABIN1
22	24468386	G	A	CABIN1
22	24481006	C	G	CABIN1
22	24487739	G	A	CABIN1
22	24567897	A	G	CABIN1
22	24574137	C	G	CABIN1
22	24579503	T	A	SUSD2
22	24582041	A	G	SUSD2
22	24582080	C	T	SUSD2
22	24583953	C	T	SUSD2

22	24621293	T	C	GGT5
22	24621323	C	T	GGT5
22	24621541	G	A	GGT5
22	24622648	T	C	GGT5
22	24628908	G	A	GGT5
22	24717850	A	G	SPECC1L
22	24718408	G	A	SPECC1L
22	24730421	G	A	SPECC1L
22	24761467	G	A	SPECC1L
22	24761498	C	T	SPECC1L
22	24916355	C	A	UPB1
22	24919586	G	A	UPB1
22	24981880	C	T	LRRC75B
22	24981981	G	A	LRRC75B
22	24982005	C	T	LRRC75B
22	24982254	G	A	LRRC75B
22	24984215	C	G	LRRC75B
22	24985853	G	A	LRRC75B
22	25121477	-	ACC	PIWIL3
22	25131681	G	T	PIWIL3
22	25144912	C	T	PIWIL3
22	25145453	C	T	PIWIL3
22	25145471	A	G	PIWIL3
22	25155953	G	-	PIWIL3
22	25158445	G	A	PIWIL3
22	25251372	C	T	SGSM1
22	25251516	A	G	SGSM1
22	25294155	A	C	SGSM1
22	25294369	G	A	SGSM1
22	25301142	A	G	SGSM1
22	25597401	C	G	CRYBB3
22	25599849	G	A	CRYBB3
22	25601196	C	G	CRYBB3
22	25603090	G	T	CRYBB3
22	25753349	C	T	LRP5L
22	25755878	G	A	LRP5L
22	25755885	C	T	LRP5L
22	25755942	C	G	LRP5L
22	26068297	G	A	ADRBK2
22	26110429	C	T	ADRBK2
22	26157068	C	G	MYO18B
22	26159289	G	A	MYO18B
22	26165065	G	C	MYO18B

22	26166900	G	C	MYO18B
22	26173661	T	C	MYO18B
22	26222454	C	T	MYO18B
22	26224825	A	G	MYO18B
22	26231312	G	C	MYO18B
22	26239784	C	A	MYO18B
22	26239850	C	A	MYO18B
22	26272244	C	T	MYO18B
22	26286738	T	A	MYO18B
22	26304379	C	T	MYO18B
22	26388398	C	T	MYO18B
22	26422980	A	G	MYO18B
22	26423087	C	T	MYO18B
22	26423124	G	C	MYO18B
22	26423285	C	T	MYO18B
22	26423477	G	A	MYO18B
22	26688831	G	T	SEZ6L
22	26688852	C	G	SEZ6L
22	26695077	G	T	SEZ6L
22	26830285	A	G	ASPHD2
22	26853905	C	A	HPS4
22	26854441	G	A	HPS4
22	26859942	C	T	HPS4
22	26860200	G	A	HPS4
22	26860665	G	T	HPS4
22	26861473	T	A	HPS4
22	26872985	T	C	HPS4
22	26884039	G	A	SRRD
22	26895231	C	T	TFIP11
22	26906185	A	-	TFIP11
22	27003957	G	A	CRYBB1
22	27019264	G	A	CRYBA4
22	28192982	C	G	MN1
22	28195715	C	A	MN1
22	28196476	C	T	MN1
22	28378351	C	T	TTC28
22	28378384	G	C	TTC28
22	28389379	C	T	TTC28
22	28426233	G	A	TTC28
22	28501344	G	A	TTC28
22	28501414	C	T	TTC28
22	29121019	G	A	CHEK2
22	29121087	A	G	CHEK2

22	29130456	G	A	<i>CHEK2</i>
22	29138301	A	G	<i>HSCB</i>
22	29141930	A	C	<i>HSCB</i>
22	29169729	A	G	<i>CCDC117</i>
22	29182169	C	T	<i>CCDC117</i>
22	29444445	C	A	<i>ZNRF3</i>
22	29445615	G	C	<i>ZNRF3</i>
22	29446079	A	G	<i>ZNRF3</i>
22	29456467	T	C	<i>C22orf31</i>
22	29456699	A	G	<i>C22orf31</i>
22	29456782	C	T	<i>C22orf31</i>
22	29456797	G	A	<i>C22orf31</i>
22	29517463	G	T	<i>KREMEN1</i>
22	29533536	G	A	<i>KREMEN1</i>
22	29533572	C	G	<i>KREMEN1</i>
22	29621128	C	G	<i>EMID1</i>
22	29621173	G	A	<i>EMID1</i>
22	29628260	C	G	<i>EMID1</i>
22	29656431	C	T	<i>RHBDD3</i>
22	29693915	G	A	<i>EWSR1</i>
22	29708320	C	T	<i>GAS2L1</i>
22	29726395	C	T	<i>AP1B1</i>
22	29886043	A	C	<i>NEFH</i>
22	29908072	C	T	<i>THOC5</i>
22	29913272	C	T	<i>THOC5</i>
22	29913278	C	T	<i>THOC5</i>
22	29940556	G	C	<i>THOC5</i>
22	30125188	G	A	<i>CABP7</i>
22	30163526	A	G	<i>UQCR10</i>
22	30163537	-	AA	<i>UQCR10</i>
22	30163537	-	AAGCTGTGGAA	<i>UQCR10</i>
22	30163537	-	AAGCT	<i>UQCR10</i>
22	30163537	-	AAGCTGTGGAA	<i>UQCR10</i>
22	30163537	-	AAGCTGTGGAA	<i>UQCR10</i>
22	30163537	-	AAGCTGTGGAA	<i>UQCR10</i>
22	30189642	C	T	<i>ASCC2</i>
22	30189643	G	A	<i>ASCC2</i>
22	30197031	T	C	<i>ASCC2</i>
22	30197083	G	A	<i>ASCC2</i>
22	30200713	G	A	<i>ASCC2</i>
22	30200761	C	G	<i>ASCC2</i>
22	30403941	A	G	<i>MTMR3</i>
22	30415665	C	G	<i>MTMR3</i>

22	30415666	C	T	MTMR3
22	30415669	G	T	MTMR3
22	30415983	C	T	MTMR3
22	30416527	A	G	MTMR3
22	30489945	G	A	HORMAD2
22	30499486	G	A	HORMAD2
22	30517694	C	T	HORMAD2
22	30518166	G	A	HORMAD2
22	30688488	T	C	TBC1D10A
22	30762140	G	A	CCDC157
22	30766757	A	G	CCDC157
22	30767644	A	T	CCDC157
22	30769713	G	T	CCDC157
22	30769997	G	A	CCDC157
22	30771554	T	G	CCDC157
22	30771573	G	A	CCDC157
22	30772424	C	T	CCDC157
22	30775729	G	A	RNF215
22	30776095	C	T	RNF215
22	30776106	G	C	RNF215
22	30780351	C	T	RNF215
22	30857373	A	C	SEC14L3
22	30857645	C	G	SEC14L3
22	30860830	C	T	SEC14L3
22	30864610	A	G	SEC14L3
22	30864655	A	G	SEC14L3
22	30866053	G	A	SEC14L3
22	30888492	C	G	SEC14L4
22	30888494	C	T	SEC14L4
22	30888527	C	T	SEC14L4
22	30927957	G	C	SEC14L6
22	30928620	G	C	SEC14L6
22	30934885	C	T	SEC14L6
22	30934886	G	A	SEC14L6
22	30953295	C	T	GAL3ST1
22	30975861	C	T	PES1
22	30976109	T	A	PES1
22	30977353	T	A	PES1
22	31011350	C	T	TCN2
22	31011610	G	C	TCN2
22	31013419	C	T	TCN2
22	31018975	T	C	TCN2
22	31022461	A	G	TCN2

22	31032952	T	G	SLC35E4
22	31042606	G	A	SLC35E4
22	31059499	CA	-	DUSP18
22	31091305	C	T	OSBP2
22	31091347	C	T	OSBP2
22	31284281	G	T	OSBP2
22	31285190	C	G	OSBP2
22	31289477	G	C	OSBP2
22	31485994	G	T	SMTN
22	31487732	C	T	SMTN
22	31491394	G	A	SMTN
22	31521404	G	A	INPP5J
22	31521595	C	A	INPP5J
22	31521708	G	A	INPP5J
22	31522977	G	A	INPP5J
22	31532702	A	G	PLA2G3
22	31533796	G	C	PLA2G3
22	31533855	G	A	PLA2G3
22	31535872	G	C	PLA2G3
22	31535995	C	G	PLA2G3
22	31536074	A	T	PLA2G3
22	31536133	A	C	PLA2G3
22	31583129	G	A	RNF185
22	31658205	C	T	LIMK2
22	31674324	C	G	LIMK2
22	31687065	C	T	PIK3IP1
22	31722886	T	G	PATZ1
22	31840638	C	T	EIF4ENIF1
22	31845490	G	A	EIF4ENIF1
22	31854559	G	C	EIF4ENIF1
22	31867903	C	T	EIF4ENIF1
22	31927079	G	C	SFI1
22	31969137	C	T	SFI1
22	31971258	T	C	SFI1
22	31971282	T	C	SFI1
22	31979911	G	T	SFI1
22	31998263	G	A	SFI1
22	31998612	G	A	SFI1
22	32007153	G	A	SFI1
22	32019800	A	C	PISD
22	32108475	C	T	PRR14L
22	32108481	T	C	PRR14L
22	32108997	T	C	PRR14L

22	32109305	T	C	PRR14L
22	32109911	T	C	PRR14L
22	32110163	G	A	PRR14L
22	32110943	G	A	PRR14L
22	32110988	G	A	PRR14L
22	32111197	C	G	PRR14L
22	32111442	C	T	PRR14L
22	32111456	C	T	PRR14L
22	32112461	T	C	PRR14L
22	32113164	T	G	PRR14L
22	32200849	C	T	DEPDC5
22	32206512	G	A	DEPDC5
22	32217539	C	T	DEPDC5
22	32218727	C	A	DEPDC5
22	32229931	C	T	DEPDC5
22	32266603	A	G	DEPDC5
22	32334021	T	A	C22orf24
22	32439303	C	T	SLC5A1
22	32439318	T	C	SLC5A1
22	32445946	A	G	SLC5A1
22	32479102	G	T	SLC5A1
22	32487700	G	A	SLC5A1
22	32506050	C	G	SLC5A1
22	32506051	G	A	SLC5A1
22	32554985	A	G	C22orf42
22	32554994	G	A	C22orf42
22	32554997	G	A	C22orf42
22	32616985	G	A	SLC5A4
22	32617002	C	T	SLC5A4
22	32620417	ATC	-	SLC5A4
22	32626996	T	C	SLC5A4
22	32628900	C	T	SLC5A4
22	32630990	C	T	SLC5A4
22	32631018	C	T	SLC5A4
22	32643448	C	-	SLC5A4
22	32643460	C	A	SLC5A4
22	32650200	C	T	SLC5A4
22	32651306	G	A	SLC5A4
22	32810378	T	G	BPIFC
22	32811952	A	G	BPIFC
22	32831711	C	G	BPIFC
22	32831809	A	G	BPIFC
22	32838673	G	A	BPIFC

22	32843317	T	C	<i>BPIFC</i>
22	32871365	G	A	<i>FBX07</i>
22	32871383	T	G	<i>FBX07</i>
22	32914209	C	A	<i>SYN3</i>
22	32914231	C	T	<i>SYN3</i>
22	33673125	C	T	<i>LARGE</i>
22	35463162	A	G	<i>ISX</i>
22	35463225	C	T	<i>ISX</i>
22	35463249	C	T	<i>ISX</i>
22	35478529	G	A	<i>ISX</i>
22	35481493	C	T	<i>ISX</i>
22	35660875	G	T	<i>HMGXB4</i>
22	35726364	A	G	<i>TOM1</i>
22	35730426	C	T	<i>TOM1</i>
22	35785929	C	G	<i>HMOX1</i>
22	35799447	G	A	<i>MCM5</i>
22	35806756	G	A	<i>MCM5</i>
22	36054997	C	T	<i>APOL6</i>
22	36055130	T	A	<i>APOL6</i>
22	36122380	T	A	<i>APOL5</i>
22	36122724	C	A	<i>APOL5</i>
22	36122930	C	T	<i>APOL5</i>
22	36123083	C	T	<i>APOL5</i>
22	36124860	C	G	<i>APOL5</i>
22	36537327	C	T	<i>APOL3</i>
22	36537763	C	T	<i>APOL3</i>
22	36537775	C	T	<i>APOL3</i>
22	36537871	C	T	<i>APOL3</i>
22	36538053	G	A	<i>APOL3</i>
22	36556823	G	T	<i>APOL3</i>
22	36597744	A	C	<i>APOL4</i>
22	36623731	T	C	<i>APOL2</i>
22	36623920	G	A	<i>APOL2</i>
22	36624005	C	T	<i>APOL2</i>
22	36661354	C	T	<i>APOL1</i>
22	36661566	G	A	<i>APOL1</i>
22	36661733	G	A	<i>APOL1</i>
22	36678779	C	T	<i>MYH9</i>
22	36681918	C	T	<i>MYH9</i>
22	36684354	T	C	<i>MYH9</i>
22	36688178	G	A	<i>MYH9</i>
22	36696277	C	T	<i>MYH9</i>
22	36745146	G	A	<i>MYH9</i>

22	36745275	G	C	MYH9
22	36886199	C	G	FOXRED2
22	36900271	T	C	FOXRED2
22	36900806	A	G	FOXRED2
22	36900812	C	T	FOXRED2
22	36960730	C	T	CACNG2
22	37159993	G	A	IFT27
22	37267701	G	A	NCF4
22	37271882	T	C	NCF4
22	37319358	C	T	CSF2RB
22	37325684	G	A	CSF2RB
22	37326794	G	A	CSF2RB
22	37333657	C	A	CSF2RB
22	37333804	G	A	CSF2RB
22	37333936	C	T	CSF2RB
22	37333973	C	-	CSF2RB
22	37387257	T	C	TEX33
22	37397934	T	C	TEX33
22	37414468	T	G	TST
22	37458586	C	T	KCTD17
22	37458605	C	G	KCTD17
22	37462173	C	T	TMPRSS6
22	37462936	A	G	TMPRSS6
22	37471208	G	A	TMPRSS6
22	37485724	T	C	TMPRSS6
22	37524619	G	T	IL2RB
22	37538521	C	T	IL2RB
22	37578388	C	T	C1QTNF6
22	37581353	G	C	C1QTNF6
22	37581383	C	T	C1QTNF6
22	37581422	G	C	C1QTNF6
22	37581485	C	A	C1QTNF6
22	37602837	G	A	SSTR3
22	37904616	G	A	CARD10
22	37912152	C	T	CARD10
22	37912254	C	T	CARD10
22	37962583	G	A	CDC42EP1
22	37964189	T	G	CDC42EP1
22	37964376	CTGCAAACCCC-		CDC42EP1
22	37964409	CAGCGCCTGC1-		CDC42EP1
22	38026059	G	A	GGA1
22	38039746	C	T	SH3BP1
22	38109353	G	A	TRIOBP

22	38119213	G	A	TRIOBP
22	38119378	C	A	TRIOBP
22	38119755	CAA	-	TRIOBP
22	38121013	C	G	TRIOBP
22	38121040	C	T	TRIOBP
22	38121152	C	A	TRIOBP
22	38121652	C	G	TRIOBP
22	38122122	T	C	TRIOBP
22	38129388	G	A	TRIOBP
22	38130472	T	C	TRIOBP
22	38130676	A	G	TRIOBP
22	38136941	C	T	TRIOBP
22	38151567	C	T	TRIOBP
22	38153637	A	C	TRIOBP
22	38153699	G	A	TRIOBP
22	38161714	C	T	TRIOBP
22	38165269	G	A	TRIOBP
22	38204029	C	T	GCAT
22	38204089	C	T	GCAT
22	38205989	T	C	GCAT
22	38211173	C	T	GCAT
22	38211281	C	G	GCAT
22	38212254	G	A	GCAT
22	38212588	G	A	GCAT
22	38212624	C	T	GCAT
22	38219570	C	G	GALR3
22	38323507	G	T	MICALL1
22	38323700	C	T	MICALL1
22	38328597	A	G	MICALL1
22	38347491	G	A	C22orf23
22	38474696	A	G	SLC16A8
22	38477275	G	A	SLC16A8
22	38478666	C	G	SLC16A8
22	38478804	A	G	SLC16A8
22	38482353	TGCGGGAGCGI-		BAIAP2L2
22	38482353	TGCGGGAGCGI-		BAIAP2L2
22	38482356	G	-	BAIAP2L2
22	38482360	G	-	BAIAP2L2
22	38483155	-	TCATGGGTG	BAIAP2L2
22	38483171	G	A	BAIAP2L2
22	38483195	-	GGGGGTAC	BAIAP2L2
22	38516893	C	T	PLA2G6
22	38541545	G	C	PLA2G6

22	38617570	C	T	<i>TMEM184B</i>
22	38875632	A	G	<i>KDEL3</i>
22	38877304	A	G	<i>KDEL3</i>
22	38877461	T	G	<i>KDEL3</i>
22	38882187	C	G	<i>DDX17</i>
22	39003414	C	T	<i>FAM227A</i>
22	39024893	AGA	-	<i>FAM227A</i>
22	39034786	C	T	<i>FAM227A</i>
22	39069189	A	C	<i>CBY1</i>
22	39125549	C	T	<i>GTPBP1</i>
22	39134207	C	T	<i>SUN2</i>
22	39134681	G	A	<i>SUN2</i>
22	39137513	C	T	<i>SUN2</i>
22	39138332	G	A	<i>SUN2</i>
22	39147235	A	C	<i>SUN2</i>
22	39147335	C	G	<i>SUN2</i>
22	39355572	A	G	<i>APOBEC3A</i>
22	39380195	C	T	<i>APOBEC3B</i>
22	39414042	A	C	<i>APOBEC3C</i>
22	39421110	CTT	-	<i>APOBEC3D</i>
22	39421112	T	G	<i>APOBEC3D</i>
22	39421112	T	-	<i>APOBEC3D</i>
22	39441434	A	C	<i>APOBEC3F</i>
22	39448615	A	G	<i>APOBEC3F</i>
22	39448695	G	A	<i>APOBEC3F</i>
22	39474944	G	A	<i>APOBEC3G</i>
22	39477566	A	G	<i>APOBEC3G</i>
22	39496302	G	-	<i>APOBEC3H</i>
22	39496323	AAC	-	<i>APOBEC3H</i>
22	39496336	G	T	<i>APOBEC3H</i>
22	39497404	G	C	<i>APOBEC3H</i>
22	39498038	G	C	<i>APOBEC3H</i>
22	39621784	G	A	<i>PDGFB</i>
22	39621819	G	A	<i>PDGFB</i>
22	39760275	A	G	<i>SYNGR1</i>
22	39772080	G	C	<i>SYNGR1</i>
22	39777822	-	CAA	<i>SYNGR1</i>
22	39883564	G	A	<i>MGAT3</i>
22	39883629	C	G	<i>MGAT3</i>
22	39908419	C	T	<i>MIEF1</i>
22	39909600	G	A	<i>MIEF1</i>
22	39909726	G	A	<i>MIEF1</i>
22	39909847	G	A	<i>MIEF1</i>

22	40037036	A	G	CACNA1I
22	40037051	G	A	CACNA1I
22	40043877	C	A	CACNA1I
22	40059828	G	C	CACNA1I
22	40066958	C	T	CACNA1I
22	40068267	G	T	CACNA1I
22	40075341	C	T	CACNA1I
22	40075733	C	A	CACNA1I
22	40080349	T	C	CACNA1I
22	40161342	GA	-	ENTHD1
22	40283427	A	G	ENTHD1
22	40364122	G	A	GRAP2
22	40417820	A	G	FAM83F
22	40662984	G	C	TNRC6B
22	40797647	T	C	SGSM3
22	40813413	G	A	MKL1
22	40814497	G	T	MKL1
22	40814500	T	C	MKL1
22	41075523	C	T	MCHR1
22	41075543	A	G	MCHR1
22	41077613	G	A	MCHR1
22	41173118	T	C	SLC25A17
22	41257393	C	A	DNAJB7
22	41257815	G	A	DNAJB7
22	41257834	-	A	DNAJB7
22	41257877	T	G	DNAJB7
22	41303615	A	G	XPNPEP3
22	41322392	C	G	XPNPEP3
22	41513727	G	A	EP300
22	41522003	A	G	EP300
22	41542780	T	G	EP300
22	41548008	A	G	EP300
22	41574341	ACCAGTTCCAG-		EP300
22	41574351	G	-	EP300
22	41574383	A	C	EP300
22	41620765	G	A	L3MBTL2
22	41631250	C	T	CHADL
22	41739451	G	A	ZC3H7B
22	41832485	T	C	TOB2
22	41985797	C	A	PMM1
22	42089659	C	T	C22orf46
22	42095603	G	A	MEI1
22	42149994	A	G	MEI1

22	42166724	G	A	MEI1
22	42177317	A	G	MEI1
22	42209786	A	T	CCDC134
22	42271363	G	A	SREBF2
22	42273963	G	A	SREBF2
22	42276742	G	C	SREBF2
22	42322155	C	T	TNFRSF13C
22	42336172	G	A	CENPM
22	42341308	A	G	CENPM
22	42383245	G	A	SEPT3
22	42394835	C	G	WBP2NL
22	42416056	A	G	WBP2NL
22	42423110	G	C	WBP2NL
22	42457056	C	T	NAGA
22	42463213	C	T	NAGA
22	42473860	C	G	FAM109B
22	42482252	G	A	NDUFA6
22	42486723	G	A	NDUFA6
22	42525772	G	A	CYP2D6
22	42606642	G	A	TCF20
22	42607338	C	T	TCF20
22	42607817	C	T	TCF20
22	42609148	T	C	TCF20
22	42610099	T	C	TCF20
22	42610344	TGT	-	TCF20
22	42610346	T	-	TCF20
22	42611145	CCACTG	-	TCF20
22	42611265	C	G	TCF20
22	42783045	C	T	NFAM1
22	42910142	C	T	RRP7A
22	42910165	C	T	RRP7A
22	42912097	C	T	RRP7A
22	42912106	C	T	RRP7A
22	42914033	T	C	RRP7A
22	42967208	AAGT	-	SERHL2
22	42998007	A	G	POLDIP3
22	43010817	G	A	POLDIP3
22	43010821	C	T	POLDIP3
22	43024271	G	C	CYB5R3
22	43089849	T	C	A4GALT
22	43195109	T	C	ARFGAP3
22	43195114	G	C	ARFGAP3
22	43218397	T	C	ARFGAP3

22	43272982	C	T	PACSIN2
22	43280404	G	T	PACSIN2
22	43471574	A	T	TTLL1
22	43520105	C	T	BIK
22	43529314	G	C	MCAT
22	43539120	G	C	MCAT
22	43555285	C	T	TSPO
22	43557156	C	T	TSPO
22	43558926	A	G	TSPO
22	43558972	G	A	TSPO
22	43564050	G	C	TTLL12
22	43568439	T	C	TTLL12
22	43568512	C	T	TTLL12
22	43572354	C	T	TTLL12
22	43579049	T	C	TTLL12
22	43579083	G	A	TTLL12
22	43606148	T	C	SCUBE1
22	43610207	A	G	SCUBE1
22	43614381	G	A	SCUBE1
22	43618695	C	A	SCUBE1
22	43623395	C	G	SCUBE1
22	43654278	G	A	SCUBE1
22	43735185	T	C	SCUBE1
22	43933357	C	A	EFCAB6
22	43936207	T	A	EFCAB6
22	43936219	C	T	EFCAB6
22	43950853	T	G	EFCAB6
22	43950949	G	A	EFCAB6
22	44004465	C	T	EFCAB6
22	44022493	G	A	EFCAB6
22	44028085	G	A	EFCAB6
22	44031042	T	C	EFCAB6
22	44063048	T	C	EFCAB6
22	44064909	G	C	EFCAB6
22	44079680	G	A	EFCAB6
22	44083442	T	C	EFCAB6
22	44131786	T	C	EFCAB6
22	44131803	C	T	EFCAB6
22	44151656	A	G	EFCAB6
22	44161261	T	A	EFCAB6
22	44282276	A	G	PNPLA5
22	44285258	G	A	PNPLA5
22	44285312	G	A	PNPLA5

22	44285723	A	G	<i>PNPLA5</i>
22	44286950	G	A	<i>PNPLA5</i>
22	44322922	T	G	<i>PNPLA3</i>
22	44322970	G	T	<i>PNPLA3</i>
22	44324727	C	G	<i>PNPLA3</i>
22	44328870	C	T	<i>PNPLA3</i>
22	44335885	A	G	<i>PNPLA3</i>
22	44342116	A	G	<i>PNPLA3</i>
22	44379838	A	G	<i>SAMM50</i>
22	44395451	T	C	<i>PARVB</i>
22	44489868	T	C	<i>PARVB</i>
22	44495951	C	G	<i>PARVB</i>
22	44495953	A	G	<i>PARVB</i>
22	44579253	G	C	<i>PARVG</i>
22	44681317	G	A	<i>KIAA1644</i>
22	44681419	GGGGCCCGCT(-	-	<i>KIAA1644</i>
22	44681434	G	-	<i>KIAA1644</i>
22	45075741	C	T	<i>PRR5</i>
22	45128218	C	T	<i>PRR5</i>
22	45132831	G	A	<i>PRR5</i>
22	45132853	C	T	<i>PRR5</i>
22	45182361	C	T	<i>PRR5</i>
22	45182418	A	G	<i>PRR5</i>
22	45198034	C	T	<i>PRR5</i>
22	45218286	A	G	<i>PRR5</i>
22	45218302	C	G	<i>PRR5</i>
22	45218339	G	A	<i>PRR5</i>
22	45255637	G	C	<i>PRR5</i>
22	45255643	C	T	<i>PRR5</i>
22	45255644	G	T	<i>PRR5</i>
22	45255679	G	A	<i>PRR5</i>
22	45255682	G	A	<i>PRR5</i>
22	45255688	C	T	<i>PRR5</i>
22	45258234	C	G	<i>PRR5</i>
22	45258284	G	C	<i>PRR5</i>
22	45258296	G	A	<i>PRR5</i>
22	45258324	C	T	<i>PRR5</i>
22	45258333	C	G	<i>PRR5</i>
22	45258373	G	C	<i>PRR5</i>
22	45279003	G	A	<i>PHF21B</i>
22	45279151	G	A	<i>PHF21B</i>
22	45723807	G	C	<i>FAM118A</i>
22	45728370	G	A	<i>FAM118A</i>

22	45749966	G	C	SMC1B
22	45749983	G	T	SMC1B
22	45767391	C	T	SMC1B
22	45767421	C	T	SMC1B
22	45795041	A	T	SMC1B
22	45923827	A	G	FBLN1
22	45960864	G	T	FBLN1
22	45972941	G	T	FBLN1
22	45996298	A	G	FBLN1
22	46134624	C	T	ATXN10
22	46134641	G	A	ATXN10
22	46627780	C	T	PPARA
22	46644168	A	G	CDPF1
22	46644177	G	A	CDPF1
22	46652516	T	A	PKDREJ
22	46652736	C	T	PKDREJ
22	46653273	C	T	PKDREJ
22	46654454	C	T	PKDREJ
22	46654636	G	C	PKDREJ
22	46655108	A	G	PKDREJ
22	46655948	T	C	PKDREJ
22	46656242	A	G	PKDREJ
22	46656246	T	G	PKDREJ
22	46656551	T	C	PKDREJ
22	46657308	T	C	PKDREJ
22	46657881	T	C	PKDREJ
22	46657895	G	A	PKDREJ
22	46664412	C	T	TTC38
22	46681141	G	A	TTC38
22	46685316	G	A	TTC38
22	46685375	G	A	TTC38
22	46685736	A	G	TTC38
22	46685754	C	T	TTC38
22	46693319	G	T	GTSE1
22	46704577	T	G	GTSE1
22	46704676	A	G	GTSE1
22	46712058	C	T	GTSE1
22	46719100	C	G	GTSE1
22	46719141	C	T	GTSE1
22	46722400	T	C	GTSE1
22	46724731	C	G	GTSE1
22	46725288	G	A	GTSE1
22	46742350	A	G	TRMU

22	46752813	G	A	TRMU
22	46760086	C	T	CELSR1
22	46760481	C	G	CELSR1
22	46762301	G	A	CELSR1
22	46762969	C	T	CELSR1
22	46780446	C	T	CELSR1
22	46780521	T	C	CELSR1
22	46782382	C	T	CELSR1
22	46786315	T	C	CELSR1
22	46787694	A	G	CELSR1
22	46787697	A	G	CELSR1
22	46793592	A	G	CELSR1
22	46793621	T	C	CELSR1
22	46805772	C	T	CELSR1
22	46832074	-	GG	CELSR1
22	46832075	-	GAAGGCCCCCA	CELSR1
22	46860063	C	T	CELSR1
22	46929692	A	G	CELSR1
22	46929838	G	A	CELSR1
22	46930013	C	A	CELSR1
22	46931402	G	C	CELSR1
22	46932032	T	A	CELSR1
22	47091143	A	C	CERK
22	47095235	C	A	CERK
22	47106996	C	G	CERK
22	47189616	C	T	TBC1D22A
22	47193404	C	T	TBC1D22A
22	50187853	C	T	BRD1
22	50216725	T	C	BRD1
22	50216758	T	C	BRD1
22	50277473	G	A	ZBED4
22	50277494	G	A	ZBED4
22	50278446	C	T	ZBED4
22	50278584	C	T	ZBED4
22	50297888	T	C	ALG12
22	50303575	G	A	ALG12
22	50304192	C	T	ALG12
22	50313452	C	T	CRELD2
22	50315363	C	A	CRELD2
22	50315936	CCTCAGCAGTC-		CRELD2
22	50315937	CTCAGCAGTCA-		CRELD2
22	50315966	C	-	CRELD2
22	50315973	G	-	CRELD2

22	50318061	G	C	CRELD2
22	50319079	T	G	CRELD2
22	50319170	A	G	CRELD2
22	50356693	T	C	PIM3
22	50435480	A	G	IL17REL
22	50435827	C	T	IL17REL
22	50436488	G	A	IL17REL
22	50439194	C	T	IL17REL
22	50512705	G	T	MLC1
22	50515843	C	A	MLC1
22	50530501	A	T	MOV10L1
22	50537888	A	G	MOV10L1
22	50546666	C	T	MOV10L1
22	50555686	A	C	MOV10L1
22	50572473	G	A	MOV10L1
22	50582626	A	G	MOV10L1
22	50584130	G	A	MOV10L1
22	50656428	G	A	TUBGCP6
22	50657010	C	G	TUBGCP6
22	50658424	T	C	TUBGCP6
22	50658442	G	A	TUBGCP6
22	50659598	C	T	TUBGCP6
22	50682300	A	G	TUBGCP6
22	50684415	T	C	HDAC10
22	50684747	C	T	HDAC10
22	50685332	G	A	HDAC10
22	50686371	C	T	HDAC10
22	50687800	C	T	HDAC10
22	50691870	C	T	MAPK12
22	50694084	G	A	MAPK12
22	50696678	G	A	MAPK12
22	50699625	G	A	MAPK12
22	50704028	C	T	MAPK11
22	50714320	C	T	PLXNB2
22	50719237	G	A	PLXNB2
22	50721252	T	C	PLXNB2
22	50721492	C	T	PLXNB2
22	50722134	T	C	PLXNB2
22	50722167	T	C	PLXNB2
22	50727290	G	A	PLXNB2
22	50728062	T	C	PLXNB2
22	50752150	C	T	DENND6B
22	50869692	G	C	PPP6R2

22	50869714	C	T	PPP6R2
22	50874873	G	A	PPP6R2
22	50876662	T	G	PPP6R2
22	50877144	C	T	PPP6R2
22	50898827	G	A	SBF1
22	50904608	C	T	SBF1
22	50921149	ACACTCGGGCC-		ADM2
22	50921162	C	-	ADM2
22	50921163	G	-	ADM2
22	50921305	C	A	ADM2
22	50927976	C	T	MIOX
22	50928012	G	A	MIOX
22	50943232	G	A	LMF2
22	50943506	C	T	LMF2
22	50943907	G	A	LMF2
22	50943916	C	T	LMF2
22	50945270	G	A	LMF2
22	50957733	C	T	NCAPH2
22	50960002	C	T	NCAPH2
22	50960191	C	G	NCAPH2
22	50960682	C	T	NCAPH2
22	50960791	G	A	NCAPH2
22	50964236	G	A	TYMP
22	50964255	C	T	TYMP
22	50967740	C	T	TYMP
22	50969647	C	G	ODF3B
22	50986647	G	A	KLHDC7B
22	50987747	C	G	KLHDC7B
22	50988193	A	G	KLHDC7B
22	50989678	A	G	SYCE3
22	50989742	C	T	SYCE3
22	50989747	G	C	SYCE3
22	50989751	C	T	SYCE3
22	51011373	T	C	CPT1B
22	51011376	G	C	CPT1B
22	51015838	T	C	CPT1B
22	51019001	T	G	CHKB
22	51021062	T	C	CHKB
22	51064039	G	C	ARSA
22	51064416	T	C	ARSA
22	51065361	C	A	ARSA
22	51153371	G	A	SHANK3
22	51160259	T	G	SHANK3

ciation analysis.

Class	N_Case_Het	N_Control_Het	N_Case_Homo
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	45	224	2
nonsynonymous_SNV	53	190	383
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	9	19	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	18	0
nonsynonymous_SNV	153	586	15
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	41	218	4
nonsynonymous_SNV	196	937	123
nonsynonymous_SNV	178	748	215
nonsynonymous_SNV	202	924	66
nonsynonymous_SNV	8	46	0
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	32	140	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	12	39	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	11	35	1
nonsynonymous_SNV	18	96	1
nonsynonymous_SNV	50	266	2
nonsynonymous_SNV	20	84	0
nonsynonymous_SNV	23	107	0
nonsynonymous_SNV	1	9	0

nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	36	148	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	4	40	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	63	332	2
nonsynonymous_SNV	61	330	3
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	15	50	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	11	51	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	15	54	0
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	21	57	0
nonsynonymous_SNV	20	80	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	25	114	1
nonsynonymous_SNV	8	37	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	48	250	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	22	95	415
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	17	77	0
splicing	33	140	0
nonsynonymous_SNV	45	150	1
nonsynonymous_SNV	12	47	0
nonsynonymous_SNV	61	287	2
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	2	4	0
nonframeshift_deletion	1	9	0

nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	11	62	0
nonsynonymous_SNV	38	204	5
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	9	62	0
nonsynonymous_SNV	27	127	2
nonsynonymous_SNV	2	5	0
stopgain	1	11	0
nonsynonymous_SNV	165	748	236
nonsynonymous_SNV	2	18	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	37	208	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	6	0
frameshift_insertion	1	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	215	955	91
nonsynonymous_SNV	22	117	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	40	155	4
nonsynonymous_SNV	226	962	91
nonsynonymous_SNV	40	155	4
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	36	157	3
frameshift_deletion	0	5	0
frameshift_deletion	0	5	0
frameshift_insertion	2	6	0
nonsynonymous_SNV	143	743	37
nonsynonymous_SNV	35	157	3
nonframeshift_insertion	146	738	32
nonsynonymous_SNV	133	635	22
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	12	93	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	66	340	7
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	37	110	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	12	73	1
nonsynonymous_SNV	18	86	1
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	26	115	0
nonsynonymous_SNV	151	643	19
nonsynonymous_SNV	190	848	52
nonsynonymous_SNV	26	106	2
nonsynonymous_SNV	204	963	121
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	115	444	19
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	206	864	41
nonsynonymous_SNV	3	10	0
nonframeshift_deletion	123	529	9
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	126	561	304
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	110	474	319
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	26	96	0
nonsynonymous_SNV	62	274	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	164	754	238
nonsynonymous_SNV	34	128	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	127	593	11
nonsynonymous_SNV	110	495	8
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	11	21	0
nonsynonymous_SNV	74	284	357
nonsynonymous_SNV	111	490	10
stopgain	4	9	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	60	219	1
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	69	251	3
nonsynonymous_SNV	196	917	68
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	193	894	79
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	5	25	0
frameshift_deletion	1	7	0
frameshift_deletion	1	6	0
frameshift_deletion	16	48	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	41	171	1
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	229	943	79
nonsynonymous_SNV	64	364	4
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	22	67	0
nonsynonymous_SNV	6	26	0

nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	21	102	0
nonsynonymous_SNV	27	130	0
nonsynonymous_SNV	16	54	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	21	89	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	192	942	148
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	6	0
splicing	1	7	0
splicing	0	26	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	31	136	1
nonsynonymous_SNV	21	81	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	176	725	26
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	184	784	213
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	48	228	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	51	232	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	43	233	1
nonsynonymous_SNV	51	247	1
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	98	476	13
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	27	120	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	7	53	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	99	459	9

nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	21	97	1
nonsynonymous_SNV	8	37	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	6	0
frameshift_deletion	4	2	0
nonsynonymous_SNV	21	50	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	15	69	0
nonsynonymous_SNV	70	327	3
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	94	443	6
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	39	138	398
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	71	367	4
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	107	604	18
nonsynonymous_SNV	28	124	0
nonsynonymous_SNV	130	552	9
nonsynonymous_SNV	205	954	146
nonsynonymous_SNV	130	551	9
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	14	73	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	5	0
nonframeshift_insertion	12	38	0
nonframeshift_deletion	18	73	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	201	904	65
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	226	966	108
nonsynonymous_SNV	91	345	4
nonsynonymous_SNV	202	829	50

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	60	375	4
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	34	138	3
nonsynonymous_SNV	137	655	20
nonsynonymous_SNV	6	4	0
nonsynonymous_SNV	109	450	16
nonsynonymous_SNV	98	373	8
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	9	34	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	14	74	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	5	40	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	9	55	0
nonsynonymous_SNV	16	83	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	3	48	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	7	0

nonsynonymous_SNV	22	134	2
nonsynonymous_SNV	23	137	2
nonsynonymous_SNV	120	527	14
nonsynonymous_SNV	121	531	14
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	17	78	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	24	113	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	12	51	0
nonsynonymous_SNV	50	255	3
nonsynonymous_SNV	206	879	172
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	106	442	12
nonsynonymous_SNV	15	70	1
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	141	632	19
nonsynonymous_SNV	22	99	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	9	15	0
nonsynonymous_SNV	100	375	7
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	6	40	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	50	368	7
nonsynonymous_SNV	56	368	7
nonsynonymous_SNV	29	123	1
nonsynonymous_SNV	57	362	6
nonsynonymous_SNV	75	468	8

nonsynonymous_SNV	42	278	5
nonsynonymous_SNV	101	548	16
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	53	304	3
stopgain	10	104	0
nonsynonymous_SNV	40	180	0
nonsynonymous_SNV	66	369	6
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	40	181	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	179	829	52
nonsynonymous_SNV	196	873	59
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	38	182	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	14	41	0
nonsynonymous_SNV	104	500	11
nonsynonymous_SNV	64	314	3
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	153	714	26
nonsynonymous_SNV	94	494	16
nonsynonymous_SNV	194	800	210
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	10	44	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	18	71	0
nonsynonymous_SNV	7	55	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	170	673	25
nonsynonymous_SNV	23	146	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	155	670	19
nonsynonymous_SNV	16	48	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	14	49	0
nonsynonymous_SNV	1	26	0
nonsynonymous_SNV	27	94	0
nonsynonymous_SNV	38	115	0
nonsynonymous_SNV	3	33	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	17	74	0
nonsynonymous_SNV	16	74	0
nonsynonymous_SNV	20	120	0
nonsynonymous_SNV	20	90	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	37	189	400
nonsynonymous_SNV	15	72	0
frameshift_deletion	8	20	0
nonsynonymous_SNV	21	77	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	15	72	0
nonsynonymous_SNV	15	72	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	46	168	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	111	499	311
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	204	934	78
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	4	17	0

nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	100	573	19
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	185	850	52
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	39	206	1
splicing	3	18	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	216	892	73
nonsynonymous_SNV	59	233	2
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	177	737	41
nonsynonymous_SNV	22	72	1
nonsynonymous_SNV	190	766	24
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	154	693	32
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	203	944	139
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	7	54	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	157	708	31
nonsynonymous_SNV	163	749	37
nonsynonymous_SNV	10	71	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	66	278	2
nonsynonymous_SNV	1	17	0
frameshift_insertion	16	90	0
frameshift_insertion	16	90	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	16	93	0
nonsynonymous_SNV	29	132	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	218	953	144
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	39	0
nonsynonymous_SNV	9	26	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	14	87	0
nonsynonymous_SNV	23	98	1
stopgain	2	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	146	611	21
nonsynonymous_SNV	23	125	0
nonsynonymous_SNV	210	949	133
nonsynonymous_SNV	68	284	1
nonsynonymous_SNV	67	284	2
nonsynonymous_SNV	69	285	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	174	884	194
nonsynonymous_SNV	37	193	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	24	120	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	25	53	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	8	48	0
nonsynonymous_SNV	12	64	0
nonsynonymous_SNV	87	402	1
nonsynonymous_SNV	162	789	52
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	165	780	50
nonsynonymous_SNV	57	256	2
nonsynonymous_SNV	205	875	40
nonframeshift_insertion	92	410	1
nonsynonymous_SNV	61	267	3
nonsynonymous_SNV	168	716	35
nonsynonymous_SNV	175	839	45
nonsynonymous_SNV	9	50	0

nonsynonymous_SNV	38	232	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	37	166	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	38	189	0
nonsynonymous_SNV	38	222	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	11	61	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	40	217	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	37	209	1
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	226	977	118
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	13	53	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	8	0
stopgain	2	10	0
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	67	324	2
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	2	10	1
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	199	972	155
nonsynonymous_SNV	198	970	155
nonsynonymous_SNV	10	56	0

nonsynonymous_SNV	201	974	144
nonsynonymous_SNV	27	96	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	18	102	0
nonsynonymous_SNV	91	435	4
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	58	264	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	12	57	0
nonsynonymous_SNV	49	197	0
nonsynonymous_SNV	61	330	3
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	107	539	318
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	9	18	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	98	448	7
nonsynonymous_SNV	97	448	7
nonsynonymous_SNV	224	865	163
nonsynonymous_SNV	227	868	163
nonsynonymous_SNV	223	868	163
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	32	168	2
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	192	851	34
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	142	644	270
nonsynonymous_SNV	12	88	1
nonsynonymous_SNV	25	87	0
nonsynonymous_SNV	106	455	8
nonsynonymous_SNV	21	69	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	219	915	151

nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	125	519	19
nonsynonymous_SNV	7	45	0
nonsynonymous_SNV	110	489	8
nonsynonymous_SNV	202	886	54
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	62	195	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	12	54	0
nonsynonymous_SNV	203	875	177
frameshift_deletion	2	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	19	75	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	26	101	1
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	154	684	12
nonsynonymous_SNV	21	72	1
nonsynonymous_SNV	55	227	4
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	80	343	4
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	211	923	143
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	12	46	0
nonsynonymous_SNV	231	920	131
stopgain	141	569	17
stopgain	3	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	52	224	1
nonsynonymous_SNV	150	597	16
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	187	833	47
nonsynonymous_SNV	1	12	0

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	159	678	22
nonsynonymous_SNV	25	89	0
nonsynonymous_SNV	189	896	67
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	39	171	2
nonsynonymous_SNV	177	770	33
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	194	875	185
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	78	328	1
nonsynonymous_SNV	10	59	0
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	61	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	55	279	7
nonsynonymous_SNV	212	952	152
nonsynonymous_SNV	38	183	2
nonsynonymous_SNV	11	31	1
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	100	388	4
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	15	40	0
nonsynonymous_SNV	0	21	0
nonsynonymous_SNV	211	922	99
nonsynonymous_SNV	0	4	0
nonsynonymous_SNV	171	818	203

nonsynonymous_SNV	52	238	4
nonsynonymous_SNV	113	554	10
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	26	137	2
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	54	207	2
nonsynonymous_SNV	57	272	2
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	11	48	0
nonsynonymous_SNV	56	272	3
nonsynonymous_SNV	40	213	2
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	41	216	2
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	18	84	0
nonsynonymous_SNV	41	217	2
nonsynonymous_SNV	11	27	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	154	745	255
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	21	96	1
nonsynonymous_SNV	12	45	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	2	436
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	2	2	434
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	7	3	0
nonsynonymous_SNV	3	31	434
nonsynonymous_SNV	10	62	1

nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	174	749	231
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	42	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	77	368	7
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	3	12	0
frameshift_insertion	1	16	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	126	522	290
nonsynonymous_SNV	9	48	1
nonsynonymous_SNV	32	86	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	33	1
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	219	964	111
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	143	662	269
nonsynonymous_SNV	63	286	5
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	203	872	53
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	81	327	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	23	0

nonsynonymous_SNV	218	956	131
frameshift_deletion	1	13	0
nonsynonymous_SNV	98	458	7
nonsynonymous_SNV	93	458	7
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	133	604	17
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	220	927	92
nonsynonymous_SNV	0	7	437
nonsynonymous_SNV	127	529	12
nonsynonymous_SNV	15	71	0
nonsynonymous_SNV	219	907	113
nonsynonymous_SNV	209	912	107
nonsynonymous_SNV	209	914	115
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	217	905	67
nonsynonymous_SNV	121	598	11
nonsynonymous_SNV	58	331	5
nonsynonymous_SNV	109	489	10
nonsynonymous_SNV	20	118	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	142	745	25
nonsynonymous_SNV	105	410	13
nonsynonymous_SNV	121	667	20
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	229	943	84
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	170	730	33
nonsynonymous_SNV	36	171	2
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	3	10	0

nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	93	507	12
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	219	914	129
nonsynonymous_SNV	41	166	2
nonsynonymous_SNV	21	114	0
nonsynonymous_SNV	14	52	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	54	204	1
nonsynonymous_SNV	8	27	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	4	0
stopgain	0	9	0
nonsynonymous_SNV	204	807	184
nonsynonymous_SNV	4	18	0
stopgain	1	5	0
nonsynonymous_SNV	148	664	21
nonsynonymous_SNV	186	816	38
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	103	454	9
nonsynonymous_SNV	138	617	17
nonsynonymous_SNV	135	621	17
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	79	287	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	136	615	17
nonsynonymous_SNV	156	694	37
nonsynonymous_SNV	196	782	44
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	42	229	394
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	7	41	0
nonsynonymous_SNV	10	32	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	158	684	265
nonsynonymous_SNV	158	685	265

nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	223	892	110
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	136	594	14
nonsynonymous_SNV	135	592	14
nonsynonymous_SNV	212	872	55
nonframeshift_deletion	79	288	5
nonsynonymous_SNV	153	782	38
nonsynonymous_SNV	116	595	12
nonsynonymous_SNV	130	662	16
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	161	635	31
nonframeshift_deletion	6	53	0
nonframeshift_insertion	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	8	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	212	915	164
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	138	606	17
nonsynonymous_SNV	42	279	3
nonsynonymous_SNV	6	44	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	17	50	1
nonsynonymous_SNV	25	124	0
nonsynonymous_SNV	191	776	198
nonsynonymous_SNV	38	147	3
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	177	797	33
nonsynonymous_SNV	193	846	61
nonsynonymous_SNV	6	20	0
frameshift_deletion	13	79	1
nonsynonymous_SNV	2	3	0
splicing	2	13	0

nonsynonymous_SNV	80	331	2
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	34	428
nonsynonymous_SNV	11	40	0
nonsynonymous_SNV	9	51	0
nonsynonymous_SNV	206	903	173
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	187	771	22
nonsynonymous_SNV	10	39	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	168	778	46
nonsynonymous_SNV	10	28	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	68	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	47	196	1
nonsynonymous_SNV	11	42	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	86	394	346
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	86	393	346
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	156	685	30
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	164	737	30
nonsynonymous_SNV	9	41	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	136	536	9
nonsynonymous_SNV	130	597	12
nonsynonymous_SNV	13	54	2
nonsynonymous_SNV	0	11	0

nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	36	143	3
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	3	10	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	63	327	5
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	213	928	171
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	20	82	1
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	13	82	0
nonsynonymous_SNV	206	898	179
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	17	81	0
nonsynonymous_SNV	205	934	82
nonsynonymous_SNV	24	71	0
nonsynonymous_SNV	14	49	0
nonsynonymous_SNV	183	820	204
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	25	90	1
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	40	218	2
nonsynonymous_SNV	44	212	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	11	53	0
nonsynonymous_SNV	2	6	0
nonframeshift_deletion	2	5	0
frameshift_deletion	2	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	26	148	1
nonsynonymous_SNV	32	157	404
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	32	156	404
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	24	95	0
nonsynonymous_SNV	8	13	0
nonsynonymous_SNV	13	41	0
nonsynonymous_SNV	20	41	0
frameshift_deletion	0	7	0
nonsynonymous_SNV	26	119	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	8	47	0
nonsynonymous_SNV	2	15	0
frameshift_deletion	19	83	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	170	699	20
nonsynonymous_SNV	1	7	0
frameshift_deletion	5	9	0
nonframeshift_deletion	5	9	0
nonsynonymous_SNV	0	5	0
frameshift_deletion	5	9	0
nonsynonymous_SNV	56	186	1
nonsynonymous_SNV	32	102	1

nonsynonymous_SNV	59	203	2
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	208	944	99
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	214	927	134
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	170	729	29
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	8	59	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	17	51	0
nonsynonymous_SNV	157	722	27
nonsynonymous_SNV	145	672	23
nonsynonymous_SNV	0	18	0
nonsynonymous_SNV	1	10	0
frameshift_deletion	37	147	5
nonsynonymous_SNV	18	109	1
nonsynonymous_SNV	1	10	0
stopgain	5	9	0
nonsynonymous_SNV	22	136	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	28	118	3
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	16	0
nonsynonymous_SNV	9	18	0
nonsynonymous_SNV	2	26	1
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	64	238	370
nonsynonymous_SNV	0	8	0

nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	28	127	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	7	45	0
nonsynonymous_SNV	48	221	3
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	40	184	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	27	148	1
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	147	714	26
nonsynonymous_SNV	14	78	0
nonsynonymous_SNV	91	354	4
stopgain	9	34	0
nonsynonymous_SNV	90	353	4
nonsynonymous_SNV	14	30	0
nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	9	48	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	28	97	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	16	100	1

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	170	691	32
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	6	47	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	7	0
nonframeshift_deletion	0	8	0
nonsynonymous_SNV	47	183	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	14	86	0
nonsynonymous_SNV	104	509	12
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	92	329	3
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	93	330	3
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	11	48	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	7	51	0
nonsynonymous_SNV	98	445	10
nonsynonymous_SNV	178	764	212
stopgain	4	10	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	224	913	101
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	28	125	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	224	914	101
nonsynonymous_SNV	8	48	1
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	155	629	20

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	25	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	59	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	27	171	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	185	797	33
nonsynonymous_SNV	195	956	160
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	7	47	430
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	49	181	1
nonsynonymous_SNV	92	426	342
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	35	155	2
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	18	131	0
nonsynonymous_SNV	37	130	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	17	87	0
frameshift_insertion	2	11	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	5	2	0
nonsynonymous_SNV	102	412	6
nonsynonymous_SNV	150	654	16
nonsynonymous_SNV	162	626	19

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	4	32	0
nonsynonymous_SNV	41	144	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	140	540	11
nonsynonymous_SNV	53	264	3
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	195	880	71
nonsynonymous_SNV	6	43	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	14	66	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	144	680	19
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	17	58	0
stopgain	5	29	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	139	629	17
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	197	960	95
nonsynonymous_SNV	33	151	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	49	188	2
nonsynonymous_SNV	25	116	1
nonsynonymous_SNV	2	2	435
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	131	552	14
nonsynonymous_SNV	1	8	0
stopgain	0	6	0
nonsynonymous_SNV	199	899	170
nonsynonymous_SNV	106	512	7
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	146	592	276

nonsynonymous_SNV	10	54	0
nonsynonymous_SNV	30	131	1
nonsynonymous_SNV	205	832	192
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	31	135	1
nonsynonymous_SNV	120	519	13
nonsynonymous_SNV	12	58	0
nonsynonymous_SNV	35	145	1
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	9	34	0
nonsynonymous_SNV	98	405	4
nonsynonymous_SNV	37	145	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	68	264	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	37	145	0
nonsynonymous_SNV	27	104	0
nonsynonymous_SNV	18	79	0
nonsynonymous_SNV	179	771	40
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	3	16	0
stopgain	2	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	179	758	31
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	11	69	1
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	36	168	2
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	13	64	1
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	11	57	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	1	4	0
splicing	0	6	0
nonsynonymous_SNV	31	123	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	12	24	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	22	56	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	22	113	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	192	746	221
nonsynonymous_SNV	171	875	45
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	49	187	2
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	176	853	218
nonsynonymous_SNV	194	909	68
nonframeshift_deletion	121	643	14
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	111	552	13
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	7	38	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	13	79	1
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	11	54	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	16	36	0

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	8	55	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	26	129	1
nonsynonymous_SNV	54	252	1
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	4	0
frameshift_insertion	2	6	0
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	55	193	1
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	11	56	0
nonsynonymous_SNV	184	798	215
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	188	818	37
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	181	728	220
nonsynonymous_SNV	214	960	72
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	60	284	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	46	230	2
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	191	789	213
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	10	39	0
nonsynonymous_SNV	21	145	0
nonsynonymous_SNV	7	65	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	86	386	4
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	24	0

nonsynonymous_SNV	186	794	36
nonsynonymous_SNV	202	825	49
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	103	422	3
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	135	627	10
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	55	206	2
nonsynonymous_SNV	5	47	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	162	734	26
stopgain	229	980	108
nonsynonymous_SNV	159	808	43
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	156	799	43
nonsynonymous_SNV	104	407	9
frameshift_deletion	102	455	11
nonsynonymous_SNV	2	17	1
nonsynonymous_SNV	16	59	0
nonsynonymous_SNV	108	460	11
nonsynonymous_SNV	103	454	11
nonsynonymous_SNV	107	430	9
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	13	36	0
nonsynonymous_SNV	148	630	23
nonsynonymous_SNV	201	903	71
nonsynonymous_SNV	201	855	51
nonsynonymous_SNV	28	109	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	77	297	4
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	183	795	39
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	205	940	110

nonsynonymous_SNV	42	176	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	124	516	8
nonsynonymous_SNV	1	6	436
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	10	0
stopgain	123	514	8
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	222	951	63
nonsynonymous_SNV	24	148	1
nonsynonymous_SNV	29	102	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	9	0
nonsynonymous_SNV	2	10	0
stopgain	8	23	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	174	666	19
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	12	54	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	21	99	0
nonsynonymous_SNV	19	36	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	33	174	0
nonframeshift_deletion	38	194	1
frameshift_deletion	38	188	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	32	191	1
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	31	188	1
nonsynonymous_SNV	22	79	1
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	3	6	0

nonsynonymous_SNV	14	64	1
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	10	29	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	14	50	0
stopgain	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	179	870	65
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	4	0
frameshift_insertion	0	17	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	28	99	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	20	87	0
nonsynonymous_SNV	91	369	334
nonsynonymous_SNV	185	783	208
nonsynonymous_SNV	7	41	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	244	945	118
nonsynonymous_SNV	156	631	17
nonsynonymous_SNV	206	871	56
nonsynonymous_SNV	214	848	60
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	9	51	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	58	293	4
nonsynonymous_SNV	188	884	43
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	186	879	43
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	8	34	0
splicing	2	11	0
nonsynonymous_SNV	3	4	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	9	49	0
nonsynonymous_SNV	8	57	1
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	85	363	9
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	27	85	1
nonsynonymous_SNV	21	111	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	159	684	263
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	43	199	1
nonsynonymous_SNV	21	96	0
nonsynonymous_SNV	26	91	0
nonsynonymous_SNV	29	114	2
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	29	109	1
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	39	175	3
nonsynonymous_SNV	16	67	1
nonsynonymous_SNV	230	981	102
frameshift_deletion	37	108	0
frameshift_deletion	37	106	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	11	54	1
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	193	859	42
nonsynonymous_SNV	204	869	50
nonsynonymous_SNV	177	705	27
nonsynonymous_SNV	1	9	436
nonsynonymous_SNV	20	60	0
nonsynonymous_SNV	16	98	1
nonsynonymous_SNV	194	773	38
nonsynonymous_SNV	151	678	262

nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	128	492	9
nonsynonymous_SNV	128	492	9
nonsynonymous_SNV	8	51	0
nonsynonymous_SNV	116	470	9
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	130	638	27
nonsynonymous_SNV	220	917	145
splicing	7	37	0
nonsynonymous_SNV	2	9	0
stopgain	5	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	14	47	1
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	1	17	0
nonframeshift_insertion	5	12	0
nonframeshift_insertion	95	448	7
nonsynonymous_SNV	14	69	2
nonsynonymous_SNV	94	433	3
nonsynonymous_SNV	20	142	415
nonsynonymous_SNV	156	691	258
nonsynonymous_SNV	10	35	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	124	481	303
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	13	84	0
splicing	1	4	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	18	38	1
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	17	0

nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	33	135	0
nonsynonymous_SNV	34	134	0
nonsynonymous_SNV	8	62	0
nonsynonymous_SNV	81	429	7
nonsynonymous_SNV	14	27	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	52	199	1
nonsynonymous_SNV	21	125	415
nonsynonymous_SNV	52	201	1
nonsynonymous_SNV	28	85	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	86	333	4
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	11	60	0
nonsynonymous_SNV	10	60	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	52	282	1
nonsynonymous_SNV	81	328	5
nonsynonymous_SNV	40	220	1
nonsynonymous_SNV	118	522	11
nonsynonymous_SNV	12	69	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	203	869	45
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	55	228	2
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	25	109	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	221	951	86
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	120	500	12
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	67	320	4
nonsynonymous_SNV	87	374	5
nonsynonymous_SNV	222	966	109

nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	210	890	180
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	205	942	94
nonsynonymous_SNV	197	907	144
nonsynonymous_SNV	68	292	2
nonsynonymous_SNV	19	76	0
nonsynonymous_SNV	3	8	0
nonframeshift_insertion	19	66	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonframeshift_deletion	30	168	1
frameshift_deletion	30	158	1
nonframeshift_deletion	1	24	0
frameshift_deletion	8	43	0
nonsynonymous_SNV	166	795	40
nonsynonymous_SNV	28	107	0
nonsynonymous_SNV	35	147	401
nonsynonymous_SNV	173	789	227
nonsynonymous_SNV	172	788	228
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	163	732	29
nonsynonymous_SNV	37	144	0
nonsynonymous_SNV	34	152	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	4	14	0
frameshift_deletion	6	6	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	28	157	0
nonsynonymous_SNV	191	841	210
nonsynonymous_SNV	17	89	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	117	502	8
nonsynonymous_SNV	118	508	8
nonsynonymous_SNV	13	39	0
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	117	502	8

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	154	710	27
nonsynonymous_SNV	128	552	13
nonsynonymous_SNV	201	851	48
nonsynonymous_SNV	10	33	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	41	151	1
nonsynonymous_SNV	153	699	12
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	120	523	10
nonsynonymous_SNV	101	469	6
splicing	101	470	6
nonsynonymous_SNV	170	754	35
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	228	1014	99
nonsynonymous_SNV	174	735	237
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	173	735	239
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	22	87	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	60	241	4
nonsynonymous_SNV	35	164	1
frameshift_deletion	10	50	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	117	452	307
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	228	980	127
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	96	455	336
nonsynonymous_SNV	17	66	0
nonsynonymous_SNV	59	234	3

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	21	80	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	28	122	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	10	66	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	169	817	38
frameshift_deletion	6	29	0
nonsynonymous_SNV	73	360	9
nonsynonymous_SNV	24	146	0
nonsynonymous_SNV	7	41	0
nonsynonymous_SNV	45	170	1
nonsynonymous_SNV	45	170	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	33	171	2
nonsynonymous_SNV	45	171	1
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	2	9	0
nonframeshift_deletion	86	335	5
nonsynonymous_SNV	194	855	58
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	83	304	4
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	24	152	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	26	0

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	216	966	116
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	108	393	7
splicing	2	4	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	8	9	0
nonsynonymous_SNV	96	353	4
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	11	43	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	191	832	47
nonsynonymous_SNV	12	49	0
nonsynonymous_SNV	28	133	0
nonsynonymous_SNV	189	856	53
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	202	907	78
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	66	291	2
nonframeshift_insertion	175	701	233
nonsynonymous_SNV	27	120	2
nonsynonymous_SNV	8	59	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	128	656	32
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	140	635	24
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	9	26	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	182	814	45
nonsynonymous_SNV	20	114	0
nonsynonymous_SNV	152	654	27
stopgain	5	33	0
nonsynonymous_SNV	38	211	1

nonsynonymous_SNV	85	261	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	10	23	0
nonsynonymous_SNV	36	135	1
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	25	103	1
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	12	52	0
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	20	161	2
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	11	28	0
nonsynonymous_SNV	193	879	55
nonsynonymous_SNV	173	776	34
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	213	918	168
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	16	91	1
nonsynonymous_SNV	21	90	0
nonsynonymous_SNV	165	724	28
nonsynonymous_SNV	18	65	0
nonsynonymous_SNV	10	37	0
nonsynonymous_SNV	160	708	28
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	191	929	187
nonsynonymous_SNV	9	30	1
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	62	264	2
nonsynonymous_SNV	133	563	12
frameshift_insertion	62	261	2
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	1	1	435

frameshift_deletion	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	52	234	3
nonsynonymous_SNV	23	79	0
nonsynonymous_SNV	171	733	23
nonsynonymous_SNV	46	189	0
nonsynonymous_SNV	26	106	1
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	193	788	40
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	91	496	13
nonsynonymous_SNV	192	891	70
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	23	99	1
nonsynonymous_SNV	2	23	0
stopgain	1	4	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	41	171	2
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	201	868	41
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	71	263	5
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	21	128	415
nonsynonymous_SNV	123	519	298
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	134	562	287
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	11	72	0
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	0	6	0
nonframeshift_deletion	187	799	213
nonframeshift_insertion	15	63	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	8	0
nonframeshift_deletion	17	71	1
nonsynonymous_SNV	7	59	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	6	59	0
nonsynonymous_SNV	190	833	64
nonsynonymous_SNV	203	953	78
nonsynonymous_SNV	203	954	78
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	19	95	1
nonsynonymous_SNV	25	99	0
nonsynonymous_SNV	193	874	178
nonsynonymous_SNV	19	77	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	196	878	176
nonsynonymous_SNV	222	963	101
nonsynonymous_SNV	222	964	101
nonsynonymous_SNV	223	960	100
nonsynonymous_SNV	222	954	100
nonsynonymous_SNV	222	957	100
nonsynonymous_SNV	222	958	100
nonsynonymous_SNV	221	956	100
nonsynonymous_SNV	220	954	101
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	2	12	0
frameshift_deletion	3	4	0
frameshift_deletion	4	6	0
stopgain	2	10	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	5	39	0
nonsynonymous_SNV	40	158	0
nonsynonymous_SNV	86	366	6
nonsynonymous_SNV	175	729	238

nonframeshift_deletion	4	10	0
nonsynonymous_SNV	76	372	357
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	0	437
nonframeshift_deletion	2	3	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	19	114	0
nonsynonymous_SNV	7	10	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	168	757	22
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	14	38	0
nonsynonymous_SNV	171	757	22
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	60	297	5
nonsynonymous_SNV	54	215	382
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	55	210	0
nonsynonymous_SNV	175	724	30
nonframeshift_deletion	2	10	0
nonsynonymous_SNV	108	476	322
nonsynonymous_SNV	20	88	1
nonsynonymous_SNV	12	66	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	198	825	183
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	21	82	416
nonsynonymous_SNV	56	215	2
nonsynonymous_SNV	17	112	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	162	750	23

nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	71	309	363
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	199	891	178
frameshift_insertion	0	11	0
nonsynonymous_SNV	137	591	286
nonsynonymous_SNV	28	101	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	14	128	0
nonsynonymous_SNV	114	498	10
nonsynonymous_SNV	26	99	0
nonsynonymous_SNV	68	305	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	30	100	0
nonsynonymous_SNV	193	878	44
nonsynonymous_SNV	33	149	2
nonsynonymous_SNV	6	45	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	33	143	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	32	158	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	41	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	177	787	45
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	0	1	437

nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	150	738	249
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	7	42	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	105	459	321
nonsynonymous_SNV	3	21	0
splicing	3	15	0
nonsynonymous_SNV	138	580	17
nonsynonymous_SNV	17	65	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	83	351	3
nonsynonymous_SNV	155	652	265
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	7	32	1
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	39	127	0
nonsynonymous_SNV	1	10	0
splicing	215	944	92
nonsynonymous_SNV	15	75	0
nonsynonymous_SNV	11	65	0
nonsynonymous_SNV	12	53	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	12	44	1
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	116	510	22
nonsynonymous_SNV	48	158	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	212	886	56
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	17	0

nonsynonymous_SNV	124	454	306
nonsynonymous_SNV	124	454	306
nonsynonymous_SNV	3	2	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	75	300	360
nonsynonymous_SNV	12	43	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	9	68	0
nonsynonymous_SNV	18	114	1
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	210	904	159
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	56	212	1
nonsynonymous_SNV	66	277	2
nonsynonymous_SNV	128	638	21
nonsynonymous_SNV	7	11	0
nonsynonymous_SNV	118	482	10
nonsynonymous_SNV	106	412	7
nonsynonymous_SNV	196	805	203
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	30	95	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	9	53	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	25	113	0
nonsynonymous_SNV	14	60	0
nonsynonymous_SNV	69	266	1
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	210	938	154
nonsynonymous_SNV	90	471	7
nonsynonymous_SNV	180	758	220
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	182	801	37
nonsynonymous_SNV	196	869	179
nonsynonymous_SNV	91	367	6
nonsynonymous_SNV	57	303	2
nonsynonymous_SNV	23	81	1
nonsynonymous_SNV	116	563	308
nonsynonymous_SNV	73	310	3
nonsynonymous_SNV	23	124	1
nonsynonymous_SNV	11	51	0
nonframeshift_deletion	167	813	26
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	18	87	0
nonsynonymous_SNV	158	780	25
nonsynonymous_SNV	28	96	0
nonsynonymous_SNV	2	9	0
frameshift_deletion	11	57	0
nonframeshift_deletion	11	57	0
nonsynonymous_SNV	1	4	0
splicing	1	6	0
nonsynonymous_SNV	46	161	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	162	742	240
nonsynonymous_SNV	87	345	343
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	11	43	0
nonsynonymous_SNV	9	39	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	79	348	3
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	29	135	0
nonsynonymous_SNV	6	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	14	0

nonsynonymous_SNV	30	94	0
nonsynonymous_SNV	9	46	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	14	58	0
nonsynonymous_SNV	56	248	380
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	17	93	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	12	59	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	41	223	0
nonsynonymous_SNV	1	21	0
nonframeshift_insertion	14	47	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	4	32	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	33	178	1
splicing	4	16	0
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	198	765	35
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	54	209	2
nonsynonymous_SNV	229	958	110
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	23	106	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	225	938	87
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	76	325	6
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	54	181	1
nonsynonymous_SNV	95	446	4
nonsynonymous_SNV	6	18	0

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	216	933	115
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	67	262	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	4	42	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	12	63	0
nonsynonymous_SNV	93	420	6
nonsynonymous_SNV	104	427	10
nonsynonymous_SNV	104	427	10
nonsynonymous_SNV	105	427	10
stopgain	1	7	0
nonsynonymous_SNV	75	353	6
nonsynonymous_SNV	175	801	225
nonsynonymous_SNV	215	921	157
nonsynonymous_SNV	175	800	225
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	53	249	2
nonsynonymous_SNV	108	441	10
nonsynonymous_SNV	64	261	4
nonframeshift_deletion	171	764	40
nonframeshift_deletion	171	764	40
frameshift_deletion	171	763	40
frameshift_deletion	170	760	40
frameshift_deletion	170	759	40
frameshift_deletion	170	758	40
frameshift_deletion	170	757	40
frameshift_deletion	170	754	39
frameshift_deletion	170	752	39
frameshift_deletion	170	750	39
frameshift_deletion	170	750	39
frameshift_deletion	170	749	39
frameshift_deletion	170	748	39
frameshift_deletion	170	746	39
frameshift_deletion	170	746	39
stopgain	170	744	39
frameshift_deletion	169	744	39
frameshift_deletion	169	744	39
frameshift_deletion	169	744	39

frameshift_deletion	169	743	39
frameshift_deletion	169	743	39
frameshift_deletion	169	742	39
nonsynonymous_SNV	60	217	0
nonsynonymous_SNV	224	903	74
nonsynonymous_SNV	49	183	0
nonsynonymous_SNV	165	708	31
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	57	0
nonsynonymous_SNV	87	466	13
nonsynonymous_SNV	0	7	0
nonframeshift_deletion	3	16	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	202	896	64
nonsynonymous_SNV	88	385	6
nonsynonymous_SNV	88	386	6
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	169	740	32
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	16	76	0
nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	13	64	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	26	0
nonframeshift_deletion	7	60	2
nonsynonymous_SNV	14	110	1
nonsynonymous_SNV	82	429	3
nonsynonymous_SNV	218	936	148
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	10	61	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	44	152	1
nonsynonymous_SNV	14	55	0

nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	5	21	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	71	301	362
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	22	95	1
nonsynonymous_SNV	1	1	436
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	191	837	45
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	131	567	10
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	70	245	362
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	45	176	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	150	761	32
nonsynonymous_SNV	26	115	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	169	821	29
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	26	115	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	109	422	13
stopgain	109	414	12
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	12	67	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	30	139	1
nonsynonymous_SNV	25	122	412
nonsynonymous_SNV	8	64	0
nonsynonymous_SNV	199	933	95

nonsynonymous_SNV	0	8	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	183	778	31
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	19	89	0
nonsynonymous_SNV	20	154	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	118	591	19
nonsynonymous_SNV	18	94	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	67	282	5
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	199	874	44
nonsynonymous_SNV	4	43	0
nonsynonymous_SNV	12	25	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	12	70	0
nonsynonymous_SNV	47	221	2
nonsynonymous_SNV	10	60	0
nonsynonymous_SNV	38	179	1
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	24	73	0
nonsynonymous_SNV	28	113	0
nonsynonymous_SNV	183	906	74
nonsynonymous_SNV	7	59	0
nonsynonymous_SNV	26	96	1
nonsynonymous_SNV	179	844	47
stopgain	0	6	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	14	85	0
nonsynonymous_SNV	19	58	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	8	41	0

nonsynonymous_SNV	80	293	4
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	33	119	1
nonsynonymous_SNV	14	76	0
nonsynonymous_SNV	208	928	90
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	138	592	12
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	52	216	2
nonsynonymous_SNV	41	177	2
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	123	584	9
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	40	162	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	10	41	1
nonsynonymous_SNV	25	102	0
nonsynonymous_SNV	46	228	2
nonsynonymous_SNV	15	59	0
nonsynonymous_SNV	57	214	3
nonsynonymous_SNV	88	372	10
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	15	20	0
nonsynonymous_SNV	4	11	0
stopgain	12	57	0

nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	13	41	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	3	34	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	4	6	0
nonframeshift_deletion	1	15	0
nonsynonymous_SNV	11	37	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	12	36	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	130	511	6
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	223	895	60
nonsynonymous_SNV	147	670	20
nonsynonymous_SNV	222	899	150
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	16	52	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	21	93	0
frameshift_deletion	33	137	3
frameshift_deletion	33	137	3
nonsynonymous_SNV	2	11	0
frameshift_deletion	2	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	17	93	0
stopgain	1	4	0
nonsynonymous_SNV	5	5	0

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	133	668	25
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	64	302	3
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	25	130	412
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	219	922	72
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	68	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	11	60	1
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	8	69	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	65	281	0
nonsynonymous_SNV	201	913	76
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	3	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	1	10	0
nonframeshift_deletion	158	762	26
frameshift_deletion	158	761	26
frameshift_deletion	158	760	26
nonframeshift_deletion	158	757	26
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	85	429	7
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	8	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	13	44	0
nonsynonymous_SNV	4	38	0
nonsynonymous_SNV	223	940	70
nonsynonymous_SNV	43	140	1
nonsynonymous_SNV	199	933	121
frameshift_deletion	3	8	0
frameshift_deletion	3	7	0
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	18	91	0
nonsynonymous_SNV	12	63	0
nonsynonymous_SNV	10	26	0
nonsynonymous_SNV	18	105	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	208	879	57
nonsynonymous_SNV	60	285	2
nonsynonymous_SNV	9	57	0
nonsynonymous_SNV	8	44	0
nonsynonymous_SNV	21	66	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	105	497	10
nonsynonymous_SNV	6	42	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	57	254	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	25	99	1
nonsynonymous_SNV	116	500	5
nonsynonymous_SNV	17	107	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	63	280	1

frameshift_deletion	2	8	0
nonsynonymous_SNV	65	278	1
nonsynonymous_SNV	16	84	0
nonsynonymous_SNV	25	110	0
nonsynonymous_SNV	137	576	284
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	16	86	0
nonsynonymous_SNV	5	36	1
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	1	6	0
nonframeshift_insertion	53	212	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	42	1
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	24	132	1
nonsynonymous_SNV	124	552	16
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	30	113	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	20	98	0
nonsynonymous_SNV	92	411	6
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	22	42	1
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	94	360	6
nonsynonymous_SNV	209	962	112
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	114	486	15
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	31	144	1
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	8	40	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	123	617	291
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	225	937	89
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	7	0
nonframeshift_deletion	1	8	0
frameshift_deletion	1	8	0
frameshift_deletion	1	8	0
frameshift_deletion	1	8	0
frameshift_deletion	1	8	0
nonsynonymous_SNV	226	936	88
nonframeshift_deletion	1	26	0
frameshift_deletion	1	25	0
nonsynonymous_SNV	143	554	11
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	0	6	0
stopgain	1	4	0
nonsynonymous_SNV	102	494	12
nonframeshift_deletion	139	601	20
frameshift_deletion	140	596	20
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	16	75	1
nonsynonymous_SNV	115	551	306
nonsynonymous_SNV	73	300	1
nonsynonymous_SNV	107	489	11
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	221	901	153
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	0	3	437
nonsynonymous_SNV	115	551	306
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	108	500	11
nonsynonymous_SNV	12	82	0
nonsynonymous_SNV	117	555	16
nonsynonymous_SNV	108	492	11
nonsynonymous_SNV	11	70	0

stopgain	117	529	15
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	117	533	16
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	16	71	1
nonsynonymous_SNV	121	533	15
nonsynonymous_SNV	123	511	13
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	194	888	177
nonsynonymous_SNV	8	47	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	32	121	2
nonframeshift_insertion	162	807	231
nonsynonymous_SNV	183	864	49
nonsynonymous_SNV	183	865	49
nonsynonymous_SNV	80	326	5
nonsynonymous_SNV	88	363	7
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	93	374	7
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	198	969	109
frameshift_insertion	2	7	0
nonframeshift_insertion	88	389	8
nonsynonymous_SNV	153	675	26
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	67	319	3
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	66	319	3
nonsynonymous_SNV	215	934	121
nonsynonymous_SNV	0	6	0
nonframeshift_insertion	120	634	12
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	18	81	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	102	488	316
stopgain	4	6	0

nonsynonymous_SNV	53	236	1
nonsynonymous_SNV	103	492	315
nonsynonymous_SNV	49	211	4
nonsynonymous_SNV	85	295	8
nonsynonymous_SNV	16	41	0
nonsynonymous_SNV	9	46	0
nonsynonymous_SNV	61	260	4
frameshift_deletion	8	29	0
nonsynonymous_SNV	42	219	1
nonframeshift_deletion	3	5	0
nonsynonymous_SNV	1	6	0
splicing	4	5	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	59	288	2
nonsynonymous_SNV	1	7	0
nonframeshift_insertion	4	6	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	164	775	49
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	29	158	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	161	768	47
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	26	94	0
frameshift_deletion	18	45	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	195	791	38
nonsynonymous_SNV	195	794	38
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	210	916	71
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	179	825	46
nonsynonymous_SNV	125	603	16
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	33	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	201	908	83
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	23	134	3
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	19	103	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	10	25	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	199	810	48
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	5	0
nonframeshift_deletion	14	76	1
nonsynonymous_SNV	101	455	9
nonsynonymous_SNV	224	949	127
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	19	93	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	22	92	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	90	386	5
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	15	1
nonsynonymous_SNV	0	6	0

frameshift_deletion	1	5	0
frameshift_deletion	1	5	0
nonsynonymous_SNV	8	41	0
nonsynonymous_SNV	13	51	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	14	52	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	32	123	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	8	31	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	42	149	1
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	0	8	0
nonframeshift_deletion	4	46	0
nonsynonymous_SNV	1	23	0
nonsynonymous_SNV	178	781	32
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	72	297	359
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	203	924	176
nonsynonymous_SNV	13	31	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	13	64	1
nonsynonymous_SNV	44	165	3
nonsynonymous_SNV	206	913	58
nonsynonymous_SNV	167	783	33

nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	15	76	0
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	113	597	12
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	48	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	181	797	36
nonsynonymous_SNV	181	795	36
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	81	337	3
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	56	182	1
nonsynonymous_SNV	18	66	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	218	960	77
nonsynonymous_SNV	17	61	0
nonsynonymous_SNV	166	705	30
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	229	940	84
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	173	728	42
nonsynonymous_SNV	6	20	0
splicing	1	10	0
nonsynonymous_SNV	191	855	172
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	12	48	0
nonsynonymous_SNV	3	9	0
frameshift_deletion	30	103	0
nonsynonymous_SNV	8	47	0
nonsynonymous_SNV	4	2	0
frameshift_insertion	0	0	437
nonsynonymous_SNV	10	53	0

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	212	880	64
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	220	830	174
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	211	847	172
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	217	833	43
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	54	231	4
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	173	854	52
nonsynonymous_SNV	12	91	0
nonsynonymous_SNV	126	624	12
nonsynonymous_SNV	5	40	0
nonsynonymous_SNV	203	902	170
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	111	488	7
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	9	14	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	8	69	0
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	87	384	5
nonsynonymous_SNV	116	584	14
nonsynonymous_SNV	188	925	63
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	111	544	12
nonsynonymous_SNV	0	16	0
splicing	5	10	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	225	942	115
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	190	873	50
nonsynonymous_SNV	17	66	0
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	49	210	0
nonsynonymous_SNV	153	643	13
nonsynonymous_SNV	8	46	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	19	84	0
nonsynonymous_SNV	44	179	1
nonsynonymous_SNV	44	179	1
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	107	447	324
nonsynonymous_SNV	156	672	23
nonsynonymous_SNV	141	580	280
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	98	458	10
nonsynonymous_SNV	16	58	1
nonsynonymous_SNV	26	181	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	3	9	0
stopgain	1	11	0
nonsynonymous_SNV	224	944	88
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	19	89	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	13	55	0
nonsynonymous_SNV	5	40	0
nonsynonymous_SNV	9	34	0
nonsynonymous_SNV	10	49	0
nonsynonymous_SNV	8	15	0
stopgain	0	7	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	43	192	2
nonsynonymous_SNV	1	10	0
stopgain	4	14	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	12	60	0
nonsynonymous_SNV	15	57	0
nonsynonymous_SNV	208	896	46
nonsynonymous_SNV	65	291	3

nonsynonymous_SNV	189	811	37
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	188	811	38
nonsynonymous_SNV	75	311	2
nonsynonymous_SNV	75	311	2
nonsynonymous_SNV	75	311	2
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	84	330	3
nonsynonymous_SNV	13	57	0
stopgain	1	9	0
nonsynonymous_SNV	152	661	22
nonsynonymous_SNV	190	926	149
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	136	654	32
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	3	14	0
stopgain	4	14	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	53	276	2
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	86	342	3
nonsynonymous_SNV	3	14	0
stopgain	219	936	96
nonsynonymous_SNV	219	936	96
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	15	87	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	195	936	150
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	15	67	1
nonsynonymous_SNV	16	67	0
nonsynonymous_SNV	172	787	46
nonsynonymous_SNV	15	67	1
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	147	729	44
nonsynonymous_SNV	193	934	162

nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	10	39	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	1	10	0
frameshift_deletion	7	18	0
nonsynonymous_SNV	204	869	62
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	154	628	21
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	174	797	214
nonsynonymous_SNV	174	798	214
nonsynonymous_SNV	174	797	214
nonsynonymous_SNV	7	50	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	38	166	3
nonsynonymous_SNV	8	21	1
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	11	58	0
nonsynonymous_SNV	9	65	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	147	669	267
nonsynonymous_SNV	129	548	295
nonsynonymous_SNV	129	548	295
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	40	186	3
nonsynonymous_SNV	90	415	9
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	19	57	0
nonsynonymous_SNV	227	935	148
nonsynonymous_SNV	12	55	0

nonsynonymous_SNV	112	473	13
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	0	0
nonsynonymous_SNV	10	46	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	50	245	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	12	55	0
nonsynonymous_SNV	123	567	10
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	31	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	76	348	1
nonsynonymous_SNV	0	5	0
stopgain	3	12	0
stoploss	70	230	3
stopgain	94	479	8
nonsynonymous_SNV	141	636	23
nonsynonymous_SNV	81	374	6
nonsynonymous_SNV	10	37	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	24	108	0
nonsynonymous_SNV	93	412	333
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	14	47	0
nonsynonymous_SNV	57	259	1
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	13	48	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	76	320	359
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	131	551	16
nonsynonymous_SNV	48	219	4
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	2	4	0

nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	83	413	7
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	19	117	0
splicing	2	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	67	329	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	91	444	12
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	8	58	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	24	106	0
nonsynonymous_SNV	0	25	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	182	832	217
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	25	97	1
nonsynonymous_SNV	7	8	0
nonsynonymous_SNV	11	83	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	210	917	157
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	27	0
nonsynonymous_SNV	12	27	0
nonsynonymous_SNV	67	368	1

nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	49	174	1
nonsynonymous_SNV	53	259	1
nonsynonymous_SNV	18	119	1
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	48	218	3
nonsynonymous_SNV	37	146	0
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	39	211	1
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	54	259	2
nonsynonymous_SNV	208	936	152
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	67	388	2
nonsynonymous_SNV	0	20	0
nonsynonymous_SNV	64	362	3
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	19	75	0
nonsynonymous_SNV	2	8	0
stopgain	99	434	10
nonsynonymous_SNV	99	436	11
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	212	968	117
nonsynonymous_SNV	42	127	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	22	99	0
nonsynonymous_SNV	65	319	3
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	16	50	0
nonsynonymous_SNV	183	771	47
nonsynonymous_SNV	60	209	1
nonsynonymous_SNV	60	207	1
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	195	807	195
nonsynonymous_SNV	43	183	3
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	64	255	5
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	2	4	0

nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	78	391	6
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	131	573	18
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	118	592	15
nonsynonymous_SNV	131	635	34
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	7	52	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	15	38	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	6	45	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	8	54	0
nonsynonymous_SNV	142	590	15
nonsynonymous_SNV	153	695	29
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	35	157	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	225	945	102
nonsynonymous_SNV	130	545	9
nonsynonymous_SNV	129	547	9
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	126	508	12
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	115	485	9
nonsynonymous_SNV	210	853	35
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	2	5	0

nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	206	884	75
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	76	301	2
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	179	786	36
nonsynonymous_SNV	0	21	0
nonsynonymous_SNV	71	342	8
nonsynonymous_SNV	3	11	0
frameshift_insertion	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	16	67	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	40	240	4
nonsynonymous_SNV	27	180	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	200	851	37
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	30	154	1
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	180	755	23
nonsynonymous_SNV	19	56	1
nonsynonymous_SNV	180	755	23
nonsynonymous_SNV	180	755	23
nonsynonymous_SNV	42	244	4
nonsynonymous_SNV	7	45	0
nonsynonymous_SNV	53	284	4
nonsynonymous_SNV	52	189	1
nonsynonymous_SNV	2	11	0

nonsynonymous_SNV	99	387	5
nonsynonymous_SNV	206	914	150
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	128	599	16
frameshift_insertion	1	4	0
nonsynonymous_SNV	102	460	13
nonsynonymous_SNV	164	764	35
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	34	140	0
nonsynonymous_SNV	77	332	7
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	72	365	6
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	71	338	4
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	71	340	4
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	31	175	0
nonsynonymous_SNV	165	832	32
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	198	989	103
nonsynonymous_SNV	82	371	5
nonsynonymous_SNV	120	523	8
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	33	136	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	200	925	62
nonsynonymous_SNV	14	52	0
nonsynonymous_SNV	44	253	1
nonsynonymous_SNV	100	555	15
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	175	746	36
nonsynonymous_SNV	14	17	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	118	542	303
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	116	542	304
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	37	154	2
nonsynonymous_SNV	3	22	0
stopgain	1	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	83	457	8
nonsynonymous_SNV	168	739	49
nonsynonymous_SNV	217	984	138
nonsynonymous_SNV	7	43	1
stopgain	0	7	0
nonsynonymous_SNV	0	20	0
nonsynonymous_SNV	58	237	1
splicing	58	237	1
nonsynonymous_SNV	138	663	285
nonsynonymous_SNV	144	702	25
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	3	3	0
nonframeshift_deletion	3	3	0
nonsynonymous_SNV	0	5	0
frameshift_deletion	4	6	0
stopgain	7	17	0
nonsynonymous_SNV	38	180	1
nonsynonymous_SNV	129	671	20
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	22	124	1
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	9	34	0
nonsynonymous_SNV	220	953	115
nonsynonymous_SNV	33	133	3
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	107	499	14
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	200	934	100
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	75	313	4
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	177	766	29
nonsynonymous_SNV	198	888	173
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	17	72	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	15	39	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	115	525	314
nonsynonymous_SNV	118	532	311
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	134	633	25
nonsynonymous_SNV	157	711	24
nonsynonymous_SNV	226	940	64
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	159	691	23
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	90	359	3

nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	21	94	0
nonsynonymous_SNV	158	685	256
nonframeshift_insertion	47	217	3
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	205	957	79
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	11	41	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	12	42	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	78	271	4
nonsynonymous_SNV	27	71	1
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	62	244	3
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	184	856	42
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	69	275	1
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	193	918	56
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	91	332	3
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	136	705	27
nonsynonymous_SNV	12	78	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	206	902	183
splicing	204	901	181
nonsynonymous_SNV	207	907	180
nonsynonymous_SNV	49	236	3
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	43	135	1
nonsynonymous_SNV	193	865	184
nonsynonymous_SNV	89	400	6

nonsynonymous_SNV	72	254	2
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	32	153	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	36	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	127	584	10
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	7	39	0
nonframeshift_deletion	3	2	0
nonsynonymous_SNV	217	962	110
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	12	57	0
nonsynonymous_SNV	18	132	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	33	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	222	986	72
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	217	974	101
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	61	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	110	466	14
nonsynonymous_SNV	111	466	13
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	200	931	140
nonsynonymous_SNV	38	138	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	46	194	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	204	891	55
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	207	972	106

nonsynonymous_SNV	203	878	53
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	35	180	0
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	1	9	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	24	107	0
nonsynonymous_SNV	16	107	0
nonsynonymous_SNV	225	967	124
nonsynonymous_SNV	225	967	124
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	48	230	0
nonsynonymous_SNV	19	54	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	93	417	7
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	59	0
nonsynonymous_SNV	7	33	1
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	195	953	106
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	30	106	2
nonsynonymous_SNV	209	938	75
nonsynonymous_SNV	30	106	2
nonsynonymous_SNV	209	938	75
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	30	106	2
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	6	21	1

nonsynonymous_SNV	170	824	52
nonsynonymous_SNV	196	835	51
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	212	878	49
nonsynonymous_SNV	15	50	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	5	50	0
nonsynonymous_SNV	18	116	1
nonsynonymous_SNV	65	248	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	18	66	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	219	869	50
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	220	867	49
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	215	924	83
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	18	60	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	13	45	0
nonsynonymous_SNV	229	949	109
nonsynonymous_SNV	230	979	119
nonsynonymous_SNV	11	32	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	13	43	0
nonsynonymous_SNV	178	775	35
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	14	46	0
nonsynonymous_SNV	1	26	0
nonsynonymous_SNV	1	26	0
nonsynonymous_SNV	16	48	0
nonsynonymous_SNV	1	9	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	18	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	182	855	34
nonframeshift_deletion	14	94	0
nonsynonymous_SNV	37	179	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	184	855	41
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	2	13	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	37	179	1
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	125	501	6
nonsynonymous_SNV	120	535	10
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	9	0
nonframeshift_deletion	2	12	1
nonsynonymous_SNV	204	857	39
nonsynonymous_SNV	25	83	2
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	13	39	0
nonsynonymous_SNV	1	4	0
frameshift_deletion	0	10	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	152	746	253
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	165	706	15
nonsynonymous_SNV	206	908	169
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	116	537	13
nonsynonymous_SNV	7	22	0

nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	8	0
nonsynonymous_SNV	14	82	1
nonsynonymous_SNV	3	6	0
frameshift_deletion	2	5	0
stopgain	8	40	0
nonsynonymous_SNV	19	50	1
nonsynonymous_SNV	4	4	0
frameshift_insertion	4	18	0
frameshift_insertion	4	13	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	38	0
nonsynonymous_SNV	21	82	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	9	48	0
nonsynonymous_SNV	83	319	353
nonsynonymous_SNV	37	176	2
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	209	927	77
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	10	0
nonframeshift_deletion	1	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	71	341	1
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	21	93	0
stopgain	1	6	0
nonsynonymous_SNV	6	49	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	11	63	0
nonsynonymous_SNV	6	50	0

nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	194	934	86
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	5	36	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	41	233	2
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	11	35	0
nonsynonymous_SNV	12	47	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	12	99	1
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	111	469	6
nonsynonymous_SNV	42	201	0
nonsynonymous_SNV	101	366	7
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	15	35	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	197	911	60
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	13	43	0
nonsynonymous_SNV	40	186	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	5	26	0

nonsynonymous_SNV	210	895	142
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	165	767	240
nonsynonymous_SNV	13	56	0
nonsynonymous_SNV	13	38	0
stopgain	2	3	0
nonsynonymous_SNV	14	54	0
nonsynonymous_SNV	60	194	0
nonsynonymous_SNV	63	210	0
nonsynonymous_SNV	13	56	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	185	820	203
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	42	213	1
nonsynonymous_SNV	3	13	1
nonsynonymous_SNV	138	612	20
nonsynonymous_SNV	13	62	0
nonsynonymous_SNV	5	25	1
nonsynonymous_SNV	14	59	0
nonsynonymous_SNV	10	58	0
nonsynonymous_SNV	69	291	2
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	17	89	0
nonsynonymous_SNV	64	308	3
frameshift_deletion	10	55	0
frameshift_deletion	10	61	0
nonframeshift_deletion	63	260	2
nonframeshift_deletion	63	250	2
frameshift_deletion	10	61	0
nonsynonymous_SNV	83	352	3
nonsynonymous_SNV	45	187	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	43	189	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	191	827	206
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	2	6	0

nonsynonymous_SNV	70	355	2
nonsynonymous_SNV	13	69	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	180	782	35
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	61	218	0
nonsynonymous_SNV	63	371	365
nonsynonymous_SNV	1	5	1
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	14	66	0
nonsynonymous_SNV	180	942	92
nonsynonymous_SNV	116	605	20
nonsynonymous_SNV	198	911	97
frameshift_deletion	40	167	3
nonsynonymous_SNV	186	914	183
nonsynonymous_SNV	87	411	11
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	9	24	0
nonsynonymous_SNV	19	128	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	21	125	0
nonsynonymous_SNV	23	65	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	131	516	7
nonsynonymous_SNV	7	54	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	239	978	109
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	8	0

nonsynonymous_SNV	94	392	8
stopgain	124	621	25
frameshift_deletion	3	16	0
frameshift_deletion	3	16	0
nonsynonymous_SNV	190	783	47
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	11	43	0
nonsynonymous_SNV	12	46	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	32	147	1
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	47	157	1
nonsynonymous_SNV	7	10	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	11	50	1
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	12	60	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	1	23	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	22	109	1
nonsynonymous_SNV	158	726	26
nonsynonymous_SNV	37	144	2
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	14	47	0
nonsynonymous_SNV	224	940	90
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	204	825	189
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	12	77	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	42	298	5
nonsynonymous_SNV	0	5	437
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	8	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	136	638	15
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	136	640	15
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	15	22	0
nonsynonymous_SNV	63	354	3
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	143	810	27
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	118	481	5
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	14	86	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	26	121	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	62	361	372
nonsynonymous_SNV	41	178	4
nonsynonymous_SNV	13	63	0
nonsynonymous_SNV	11	65	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	53	322	4
nonsynonymous_SNV	11	41	0
nonsynonymous_SNV	27	96	0
nonsynonymous_SNV	45	196	3
nonsynonymous_SNV	9	26	0

nonsynonymous_SNV	33	231	1
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	222	971	98
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	8	35	0
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	4	12	0
frameshift_deletion	4	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	15	51	1
nonsynonymous_SNV	233	945	115
nonsynonymous_SNV	50	269	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	112	549	8
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	51	219	382
nonsynonymous_SNV	63	285	3
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	7	60	0
nonsynonymous_SNV	70	328	4
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	55	212	2
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	40	187	2
nonsynonymous_SNV	102	396	5
nonsynonymous_SNV	17	70	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	12	64	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	157	633	18
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	11	18	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	12	0

nonsynonymous_SNV	142	619	269
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	211	957	102
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	30	101	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	12	40	0
nonsynonymous_SNV	20	113	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	5	6	0
frameshift_insertion	4	36	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	26	134	1
nonsynonymous_SNV	14	37	0
nonsynonymous_SNV	212	867	50
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	170	831	40
stopgain	2	3	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	53	246	4
nonsynonymous_SNV	101	489	320
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	8	35	0
nonsynonymous_SNV	23	108	0
nonsynonymous_SNV	153	750	44
nonsynonymous_SNV	84	344	4
nonsynonymous_SNV	19	88	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	8	11	0
nonsynonymous_SNV	18	89	419
nonsynonymous_SNV	169	653	24
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	89	0

nonsynonymous_SNV	131	578	289
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	39	179	0
nonsynonymous_SNV	206	994	120
nonsynonymous_SNV	91	398	8
nonsynonymous_SNV	14	74	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	17	110	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	11	31	0
nonsynonymous_SNV	143	586	16
nonsynonymous_SNV	134	605	15
nonsynonymous_SNV	15	26	0
nonsynonymous_SNV	55	237	1
nonsynonymous_SNV	1	3	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	151	618	14
nonsynonymous_SNV	24	84	1
nonsynonymous_SNV	24	84	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	30	94	1
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	8	52	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	24	78	1
nonsynonymous_SNV	149	677	274
nonsynonymous_SNV	113	501	13
nonsynonymous_SNV	17	53	1
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	98	477	10
nonsynonymous_SNV	23	64	0
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	94	423	6
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	94	460	11
nonsynonymous_SNV	126	563	13

nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	12	57	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	34	157	403
frameshift_deletion	1	24	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	179	769	38
nonsynonymous_SNV	8	61	0
nonsynonymous_SNV	16	66	2
nonsynonymous_SNV	9	62	0
nonsynonymous_SNV	11	85	1
nonsynonymous_SNV	129	477	296
stopgain	8	34	0
nonsynonymous_SNV	209	902	157
nonsynonymous_SNV	197	831	196
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	222	950	86
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	22	81	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	11	43	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	81	343	350
nonsynonymous_SNV	17	97	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	69	1
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	18	0

nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	22	97	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	69	303	2
nonsynonymous_SNV	35	156	1
nonsynonymous_SNV	35	156	1
nonsynonymous_SNV	28	131	0
nonsynonymous_SNV	34	156	1
nonsynonymous_SNV	35	156	1
nonsynonymous_SNV	37	165	1
nonsynonymous_SNV	35	154	1
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	35	156	1
nonsynonymous_SNV	69	303	2
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	35	157	1
nonsynonymous_SNV	66	288	2
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	9	46	0
nonsynonymous_SNV	35	157	1
nonsynonymous_SNV	35	157	1
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	0	7	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	35	157	1
nonsynonymous_SNV	210	1014	112
nonsynonymous_SNV	222	957	80
nonsynonymous_SNV	211	959	135
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	13	58	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	24	80	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	13	73	0
nonsynonymous_SNV	146	677	26
nonsynonymous_SNV	145	677	26

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	26	128	0
nonsynonymous_SNV	28	142	0
nonsynonymous_SNV	26	130	0
nonsynonymous_SNV	10	32	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	28	135	0
nonsynonymous_SNV	34	148	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	19	117	0
nonsynonymous_SNV	17	101	0
nonsynonymous_SNV	188	885	194
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	215	842	145
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	7	30	1
nonsynonymous_SNV	61	271	5
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	9	81	0
nonsynonymous_SNV	21	77	0
nonsynonymous_SNV	201	783	199
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	49	142	2
nonsynonymous_SNV	40	155	1
nonsynonymous_SNV	14	37	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	1	6	0
nonsynonymous_SNV	25	130	0
frameshift_deletion	11	21	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	64	265	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	10	43	1
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	11	64	0
nonsynonymous_SNV	127	635	292
nonsynonymous_SNV	6	14	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	74	345	5
nonsynonymous_SNV	31	144	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	132	687	29
nonsynonymous_SNV	32	158	1
nonframeshift_insertion	1	4	0
nonsynonymous_SNV	199	852	54
nonsynonymous_SNV	115	510	12
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	59	289	3
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	59	290	3
nonsynonymous_SNV	159	778	37
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	6	0
frameshift_deletion	0	6	0
nonsynonymous_SNV	5	39	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	12	47	0
nonsynonymous_SNV	112	547	15
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	114	548	15
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	131	565	288

nonsynonymous_SNV	98	462	14
nonsynonymous_SNV	98	462	14
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	233	935	64
nonsynonymous_SNV	103	456	10
nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	40	230	2
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	15	0
nonframeshift_insertion	1	4	0
nonsynonymous_SNV	36	145	0
nonsynonymous_SNV	148	772	36
nonsynonymous_SNV	36	145	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	9	50	0
nonsynonymous_SNV	169	728	26
nonsynonymous_SNV	14	50	0
nonsynonymous_SNV	73	338	4
nonsynonymous_SNV	14	50	0
nonsynonymous_SNV	9	32	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	5	17	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	62	264	2
nonsynonymous_SNV	2	5	0
stopgain	0	6	0
nonsynonymous_SNV	10	45	0
nonsynonymous_SNV	63	265	1
frameshift_deletion	5	35	0
nonsynonymous_SNV	13	60	0

nonsynonymous_SNV	43	151	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	30	166	407
nonsynonymous_SNV	30	166	407
nonsynonymous_SNV	90	393	343
nonsynonymous_SNV	7	19	0
frameshift_deletion	1	14	0
nonsynonymous_SNV	26	156	0
frameshift_deletion	0	11	0
nonsynonymous_SNV	8	46	0
nonsynonymous_SNV	93	386	5
frameshift_deletion	52	210	1
nonsynonymous_SNV	58	241	1
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	49	196	0
nonsynonymous_SNV	46	244	4
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	52	199	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	6	0
stopgain	4	18	0
nonsynonymous_SNV	180	925	77
nonsynonymous_SNV	42	151	1
nonsynonymous_SNV	208	927	86
frameshift_deletion	1	4	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	100	541	11
nonsynonymous_SNV	179	927	79
nonsynonymous_SNV	40	152	1
nonsynonymous_SNV	194	963	128
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	41	178	1
nonsynonymous_SNV	24	122	1
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonframeshift_insertion	1	4	0
nonsynonymous_SNV	189	795	40
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	148	575	20
nonsynonymous_SNV	2	7	0

nonsynonymous_SNV	81	362	3
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	112	547	6
nonsynonymous_SNV	214	897	61
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	5	0
nonsynonymous_SNV	36	139	1
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	6	42	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	219	908	145
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	9	32	0
nonsynonymous_SNV	117	510	15
splicing	1	6	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	39	210	398
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	123	582	18
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	209	819	43
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	32	143	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	24	1
nonsynonymous_SNV	173	968	61
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	211	968	66
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	31	166	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	32	119	2
nonsynonymous_SNV	96	465	9
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	28	134	2
nonsynonymous_SNV	27	113	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	24	120	1
nonsynonymous_SNV	9	65	0
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	202	899	142
nonsynonymous_SNV	9	25	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	181	840	204
nonsynonymous_SNV	13	55	0
nonsynonymous_SNV	179	842	205
nonsynonymous_SNV	21	109	1
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	11	74	0
nonsynonymous_SNV	165	785	31
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	180	780	28
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	217	956	104
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	188	829	200
nonsynonymous_SNV	189	828	200
nonsynonymous_SNV	128	520	12
nonsynonymous_SNV	134	583	16
nonsynonymous_SNV	191	830	200
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	11	75	0
nonsynonymous_SNV	129	524	12
nonsynonymous_SNV	11	26	0
nonsynonymous_SNV	192	829	200
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	199	953	79
nonsynonymous_SNV	11	25	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	110	435	7
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	69	272	3
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	10	58	0
nonsynonymous_SNV	13	71	2
nonsynonymous_SNV	203	1017	109
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	22	81	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	13	0
nonsynonymous_SNV	40	122	2
nonsynonymous_SNV	190	905	140
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	7	49	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	158	659	15
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	152	642	14
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	15	49	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	228	940	111
nonsynonymous_SNV	54	208	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	23	76	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	27	154	0

nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	55	188	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	215	936	75
nonsynonymous_SNV	83	397	4
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	1	5	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	111	476	6
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	16	73	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	201	848	45
nonsynonymous_SNV	129	611	26
splicing	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	10	71	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	74	348	4
nonsynonymous_SNV	169	633	25
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	199	899	171
nonsynonymous_SNV	9	46	0
nonsynonymous_SNV	12	109	1
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	158	754	36
nonsynonymous_SNV	8	60	0
nonsynonymous_SNV	2	10	0

nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	12	74	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	115	650	23
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	136	694	19
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	50	146	3
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	44	132	3
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	45	138	3
nonsynonymous_SNV	13	63	0
nonsynonymous_SNV	27	93	1
nonsynonymous_SNV	18	89	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	141	675	22
nonsynonymous_SNV	9	22	0
nonsynonymous_SNV	140	689	24
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	22	74	0
nonsynonymous_SNV	21	69	0
nonsynonymous_SNV	7	52	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	139	591	16
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	10	46	0
nonsynonymous_SNV	15	71	0
nonsynonymous_SNV	30	118	2
nonsynonymous_SNV	168	753	31
nonsynonymous_SNV	30	118	2
nonsynonymous_SNV	2	25	0

nonsynonymous_SNV	20	122	2
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	31	126	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	131	545	12
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	65	353	2
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	213	965	78
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	214	921	70
nonsynonymous_SNV	211	919	153
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	113	511	314
nonsynonymous_SNV	28	112	0
nonsynonymous_SNV	169	849	214
nonsynonymous_SNV	169	849	214
nonsynonymous_SNV	30	131	1
stopgain	30	131	1
nonsynonymous_SNV	150	707	246
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	169	849	214
nonsynonymous_SNV	169	849	214
nonsynonymous_SNV	169	849	214
nonsynonymous_SNV	151	707	246

nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	10	44	0
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	31	130	1
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	14	101	0
nonsynonymous_SNV	12	61	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	52	0
nonsynonymous_SNV	187	897	178
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	19	92	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	163	795	230
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	22	89	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	129	616	8
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	15	103	0
nonsynonymous_SNV	20	113	0
nonsynonymous_SNV	27	94	1
nonsynonymous_SNV	183	784	35
nonsynonymous_SNV	12	55	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	26	122	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	171	781	36
nonsynonymous_SNV	3	16	0

nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	149	659	23
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	9	31	1
nonsynonymous_SNV	20	69	1
nonsynonymous_SNV	23	115	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	13	51	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	112	504	10
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	29	112	1
nonsynonymous_SNV	201	903	139
nonsynonymous_SNV	53	285	1
nonsynonymous_SNV	150	685	27
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	209	952	66
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	186	926	178
nonsynonymous_SNV	25	86	410
splicing	0	7	0
nonsynonymous_SNV	106	524	15
nonsynonymous_SNV	12	37	0
nonsynonymous_SNV	19	51	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	197	825	53
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	23	118	0
nonsynonymous_SNV	22	131	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	5	23	0
nonframeshift_deletion	2	12	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	7	21	0

nonsynonymous_SNV	13	79	1
nonsynonymous_SNV	79	375	2
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	7	71	0
nonsynonymous_SNV	34	221	0
nonsynonymous_SNV	6	59	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	37	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	82	334	352
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	14	49	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	50	265	2
nonsynonymous_SNV	127	657	21
splicing	7	46	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	3	15	1
nonsynonymous_SNV	29	129	0
nonsynonymous_SNV	137	525	286
nonsynonymous_SNV	2	8	0
stopgain	5	19	0
nonsynonymous_SNV	8	40	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	203	909	52
nonsynonymous_SNV	2	1	435
frameshift_deletion	219	988	68
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	115	495	10
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	107	526	14
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	114	436	12
nonsynonymous_SNV	182	793	224

nonsynonymous_SNV	63	301	4
nonsynonymous_SNV	211	952	121
nonsynonymous_SNV	104	399	12
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	203	945	97
nonsynonymous_SNV	184	893	57
nonsynonymous_SNV	53	168	4
nonsynonymous_SNV	212	961	87
nonsynonymous_SNV	14	65	0
nonsynonymous_SNV	86	359	3
nonsynonymous_SNV	0	0	437
nonframeshift_deletion	122	425	306
nonsynonymous_SNV	93	365	334
nonsynonymous_SNV	93	364	334
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	93	365	334
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	81	347	2
nonsynonymous_SNV	2	15	0
nonframeshift_deletion	45	177	0
nonsynonymous_SNV	221	952	134
nonsynonymous_SNV	231	949	133
nonsynonymous_SNV	131	596	293
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	213	883	188
nonsynonymous_SNV	210	876	192
nonsynonymous_SNV	28	105	0
nonsynonymous_SNV	198	878	189
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	28	115	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	26	119	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	27	112	3
nonsynonymous_SNV	39	227	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	31	1
nonsynonymous_SNV	131	576	9
nonsynonymous_SNV	6	42	0

nonsynonymous_SNV	211	929	151
nonsynonymous_SNV	211	929	151
nonsynonymous_SNV	98	467	4
nonsynonymous_SNV	182	841	217
nonsynonymous_SNV	17	65	0
nonsynonymous_SNV	98	466	4
nonsynonymous_SNV	218	942	147
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	3	0
frameshift_deletion	1	5	0
frameshift_insertion	3	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	84	406	4
nonsynonymous_SNV	80	393	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	86	406	347
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	19	431
nonsynonymous_SNV	1	6	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	55	194	1
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	159	911	58
nonsynonymous_SNV	199	895	48
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	15	32	0
nonsynonymous_SNV	10	98	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	149	694	44
nonsynonymous_SNV	207	934	126
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	218	923	56
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	219	918	56
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	9	20	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	185	913	58

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	37	116	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	124	595	10
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonframeshift_deletion	203	908	89
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	37	165	2
nonsynonymous_SNV	9	23	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	175	734	21
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	48	199	1
nonsynonymous_SNV	195	842	48
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	8	31	0
nonsynonymous_SNV	20	101	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	13	86	0
nonsynonymous_SNV	8	27	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	1	5	1
nonsynonymous_SNV	14	88	0
nonsynonymous_SNV	1	12	436
nonsynonymous_SNV	200	842	182
nonsynonymous_SNV	194	833	187
nonsynonymous_SNV	92	383	10
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	159	659	25
nonsynonymous_SNV	94	422	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	6	0

nonsynonymous_SNV	167	784	219
nonsynonymous_SNV	56	298	4
nonsynonymous_SNV	180	787	53
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	206	866	65
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	175	780	40
nonsynonymous_SNV	117	544	5
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	198	943	119
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	205	941	143
nonsynonymous_SNV	17	67	0
nonsynonymous_SNV	81	363	9
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	102	451	10
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	104	453	12
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	39	159	1
nonsynonymous_SNV	22	92	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	226	963	106
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	14	78	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	38	198	0
nonsynonymous_SNV	22	85	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	35	128	2
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	4	12	0

nonsynonymous_SNV	46	190	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	186	823	213
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	8	46	0
nonsynonymous_SNV	184	827	213
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	205	886	166
nonsynonymous_SNV	29	125	1
nonsynonymous_SNV	29	125	1
nonsynonymous_SNV	11	61	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	29	124	1
nonsynonymous_SNV	29	124	1
nonsynonymous_SNV	28	125	1
nonsynonymous_SNV	28	125	1
nonsynonymous_SNV	189	828	48
nonsynonymous_SNV	177	732	30
nonsynonymous_SNV	197	880	177
nonsynonymous_SNV	93	370	4
nonsynonymous_SNV	16	77	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	198	879	176
frameshift_deletion	86	365	7
nonsynonymous_SNV	24	84	1
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	211	960	154
nonsynonymous_SNV	212	959	154
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	195	890	183
nonsynonymous_SNV	13	81	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	6	84	0
nonsynonymous_SNV	213	939	90
nonsynonymous_SNV	55	245	1
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	57	311	7
nonsynonymous_SNV	13	49	0
nonsynonymous_SNV	15	94	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	2	436
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	129	655	21
nonsynonymous_SNV	24	197	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	35	125	0
nonsynonymous_SNV	148	635	267
nonsynonymous_SNV	20	66	0
nonsynonymous_SNV	11	28	0
nonsynonymous_SNV	115	592	15
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	71	291	6
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	149	633	21
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	0	1	437
nonframeshift_deletion	6	11	0
nonsynonymous_SNV	30	147	1
nonsynonymous_SNV	21	66	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	27	158	1
nonsynonymous_SNV	214	993	88

nonsynonymous_SNV	173	804	46
nonsynonymous_SNV	193	930	41
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	15	102	0
nonsynonymous_SNV	18	124	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	40	120	0
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	47	219	2
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	102	447	9
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	98	444	10
stopgain	2	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	194	809	38
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	170	697	28
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	44	166	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	197	845	55
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	25	86	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	119	441	7
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	219	975	93
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	8	14	0

nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	3	12	0
nonframeshift_insertion	44	197	3
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	12	40	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	45	193	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	7	59	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	14	77	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	8	59	0
stopgain	6	28	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	49	176	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	171	795	219
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	13	78	0
nonsynonymous_SNV	182	805	208
nonsynonymous_SNV	14	81	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	26	123	2
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	9	61	1
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	129	560	16
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	43	165	1
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	48	239	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	12	47	0

nonsynonymous_SNV	13	78	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	12	53	0
nonsynonymous_SNV	1	25	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	222	894	68
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	8	48	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	196	782	35
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	21	90	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	47	187	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	189	826	39
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	4	434
nonsynonymous_SNV	17	103	0
nonsynonymous_SNV	197	892	61
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	120	517	9
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	3	20	0
stopgain	4	3	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	49	208	5
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	191	844	193
nonsynonymous_SNV	19	51	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	18	77	0
nonsynonymous_SNV	41	174	3
nonsynonymous_SNV	7	28	0

nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	8	40	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	18	93	0
nonsynonymous_SNV	10	33	0
nonsynonymous_SNV	2	17	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	6	0
nonframeshift_deletion	2	20	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	9	68	0
nonsynonymous_SNV	13	24	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	212	919	154
stopgain	3	4	0
nonsynonymous_SNV	5	29	1
nonsynonymous_SNV	19	63	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	231	968	102
nonsynonymous_SNV	231	968	102
nonsynonymous_SNV	173	764	33
nonsynonymous_SNV	7	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	6	5	0
frameshift_deletion	11	32	0
nonsynonymous_SNV	161	765	31
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	222	946	133
nonsynonymous_SNV	9	49	0
splicing	5	40	0
nonsynonymous_SNV	3	9	0
splicing	7	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	161	728	32
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	130	575	22
nonsynonymous_SNV	204	954	122

nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	6	37	0
splicing	0	5	0
nonsynonymous_SNV	62	389	4
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	169	807	33
nonsynonymous_SNV	7	90	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
frameshift_deletion	0	12	0
nonsynonymous_SNV	71	258	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	159	666	24
nonsynonymous_SNV	156	664	24
nonframeshift_deletion	1	5	0
frameshift_deletion	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	202	834	46
nonsynonymous_SNV	82	303	1
frameshift_insertion	1	12	0
nonsynonymous_SNV	25	71	0
nonsynonymous_SNV	14	60	0
nonsynonymous_SNV	204	976	115
nonsynonymous_SNV	86	307	1
nonframeshift_insertion	2	11	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	182	658	23
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	40	157	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	31	128	1

nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	127	489	17
nonsynonymous_SNV	190	833	46
nonsynonymous_SNV	132	615	21
nonsynonymous_SNV	0	4	437
nonsynonymous_SNV	18	96	0
nonsynonymous_SNV	40	165	1
nonsynonymous_SNV	92	448	7
nonsynonymous_SNV	52	252	3
nonsynonymous_SNV	140	554	12
nonsynonymous_SNV	196	838	195
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	164	675	27
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	58	1
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	113	558	14
nonsynonymous_SNV	113	560	14
nonsynonymous_SNV	27	99	0
nonsynonymous_SNV	19	74	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	13	61	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	43	123	0
nonsynonymous_SNV	43	120	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	22	84	0
nonsynonymous_SNV	8	44	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	13	0

nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	9	37	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	11	46	1
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	24	111	1
nonsynonymous_SNV	107	409	10
nonsynonymous_SNV	54	246	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	26	143	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	21	75	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	22	77	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	9	41	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	43	162	1
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	15	61	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	181	818	39
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	4	11	0
stopgain	9	39	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	35	119	1
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	18	64	0

nonsynonymous_SNV	18	90	0
nonsynonymous_SNV	37	208	2
nonsynonymous_SNV	35	209	2
nonsynonymous_SNV	14	40	0
nonsynonymous_SNV	17	143	3
nonsynonymous_SNV	8	11	0
nonsynonymous_SNV	148	750	28
nonsynonymous_SNV	20	141	1
nonsynonymous_SNV	22	140	1
nonsynonymous_SNV	20	137	1
nonframeshift_deletion	42	180	2
frameshift_deletion	42	180	2
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	106	506	319
nonsynonymous_SNV	12	42	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	35	181	1
nonsynonymous_SNV	10	23	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	125	607	17
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	208	899	142
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	10	28	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	33	186	1
nonsynonymous_SNV	197	899	89
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	55	266	3
nonsynonymous_SNV	64	267	3
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	199	933	173

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	57	251	5
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	59	0
nonframeshift_deletion	0	21	0
nonsynonymous_SNV	89	430	3
nonsynonymous_SNV	1	28	0
nonsynonymous_SNV	9	47	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	10	28	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	0	8	0
splicing	154	796	38
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	6	48	1
nonsynonymous_SNV	12	65	425
nonsynonymous_SNV	80	343	355
nonsynonymous_SNV	193	850	47
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	142	670	25
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	2	5	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	22	119	0
nonsynonymous_SNV	10	23	0
nonsynonymous_SNV	149	680	32
nonsynonymous_SNV	157	720	246
nonsynonymous_SNV	56	242	6

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	47	0
nonsynonymous_SNV	8	35	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	167	738	25
nonframeshift_deletion	11	60	0
nonsynonymous_SNV	90	374	7
nonsynonymous_SNV	1	7	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	132	609	16
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	16	67	0
nonsynonymous_SNV	8	57	0
nonsynonymous_SNV	8	56	0
nonsynonymous_SNV	21	86	1
nonsynonymous_SNV	3	34	0
nonsynonymous_SNV	12	65	0
nonsynonymous_SNV	8	9	0
nonsynonymous_SNV	7	26	1
nonsynonymous_SNV	67	262	2
nonsynonymous_SNV	17	77	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	33	104	0
nonsynonymous_SNV	195	943	72
nonsynonymous_SNV	185	883	54
splicing	0	6	0
nonsynonymous_SNV	159	702	27
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	121	555	13
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	142	595	12
nonsynonymous_SNV	2	5	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	137	670	275
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	5	13	0

nonsynonymous_SNV	7	19	0
splicing	73	377	5
splicing	73	378	5
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	181	803	213
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	82	402	7
nonsynonymous_SNV	63	293	4
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	17	59	0
nonframeshift_insertion	16	25	0
nonframeshift_insertion	7	25	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	97	457	12
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	56	274	3
nonsynonymous_SNV	163	636	15
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	11	67	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	146	546	16
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	10	30	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	4	30	0

nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	36	237	2
nonsynonymous_SNV	153	784	33
nonsynonymous_SNV	19	67	1
nonsynonymous_SNV	221	925	142
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	213	953	128
nonsynonymous_SNV	212	952	127
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	37	177	3
nonsynonymous_SNV	10	62	1
nonsynonymous_SNV	3	9	0
frameshift_deletion	1	6	0
nonframeshift_deletion	1	6	0
nonsynonymous_SNV	62	251	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	28	119	0
nonsynonymous_SNV	187	743	46
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	14	36	1
nonsynonymous_SNV	24	134	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	20	100	1
nonframeshift_deletion	102	467	10
nonsynonymous_SNV	182	762	25
nonsynonymous_SNV	84	334	5
nonsynonymous_SNV	161	622	257
nonsynonymous_SNV	12	49	0
nonsynonymous_SNV	138	632	22
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	25	90	0
nonsynonymous_SNV	215	941	104
nonsynonymous_SNV	35	101	401
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	159	682	28
nonsynonymous_SNV	39	155	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	154	676	259
nonsynonymous_SNV	10	46	0
nonsynonymous_SNV	18	79	0
nonsynonymous_SNV	51	212	386
nonsynonymous_SNV	48	201	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	9	48	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	50	194	1
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	206	1006	114
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	57	217	4
nonsynonymous_SNV	57	216	4
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	214	920	80
nonsynonymous_SNV	1	4	0
frameshift_insertion	7	26	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	39	119	1
frameshift_deletion	51	296	2
nonsynonymous_SNV	40	247	1

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	20	67	417
nonsynonymous_SNV	10	43	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	168	705	26
nonsynonymous_SNV	126	602	15
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	11	73	0
nonsynonymous_SNV	74	280	2
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	39	1
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	57	227	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	35	0
nonsynonymous_SNV	3	32	0
nonsynonymous_SNV	169	746	32
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	121	556	16
nonframeshift_deletion	90	401	12
nonsynonymous_SNV	90	398	12
nonsynonymous_SNV	90	398	12
nonsynonymous_SNV	9	85	0

nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	70	377	5
nonsynonymous_SNV	172	751	221
nonsynonymous_SNV	69	370	5
nonsynonymous_SNV	172	750	222
nonsynonymous_SNV	6	62	0
nonsynonymous_SNV	148	708	26
nonsynonymous_SNV	202	911	184
nonsynonymous_SNV	17	96	0
nonsynonymous_SNV	161	727	29
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	188	771	225
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	32	0
nonsynonymous_SNV	52	183	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	100	455	12
nonframeshift_deletion	43	257	5
nonsynonymous_SNV	40	126	0
frameshift_deletion	15	61	0
nonsynonymous_SNV	50	181	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	33	162	2
nonsynonymous_SNV	3	31	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	127	562	18
nonsynonymous_SNV	203	829	46
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	1	25	0
nonsynonymous_SNV	44	211	1
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	213	899	84
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	27	168	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	121	593	11
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	229	943	112
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	7	51	0
nonsynonymous_SNV	118	519	3
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	3	7	0
frameshift_deletion	1	6	0
nonframeshift_deletion	1	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	209	978	126
nonsynonymous_SNV	42	173	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	191	825	44
nonsynonymous_SNV	6	43	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	47	183	2
nonsynonymous_SNV	47	182	2
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	50	177	1
nonsynonymous_SNV	165	811	44
nonsynonymous_SNV	67	282	2
splicing	0	0	437
stopgain	2	5	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	65	341	6
nonsynonymous_SNV	204	925	93
nonsynonymous_SNV	128	545	15
nonsynonymous_SNV	16	98	1
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	20	74	0
nonsynonymous_SNV	131	650	16
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	125	652	17
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	110	515	18
nonsynonymous_SNV	210	888	54
nonsynonymous_SNV	166	829	49
nonsynonymous_SNV	113	514	18
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	3	8	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	72	308	6
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	158	695	23
nonsynonymous_SNV	73	308	6
nonsynonymous_SNV	14	64	0
nonsynonymous_SNV	10	27	0
nonsynonymous_SNV	6	3	0
nonsynonymous_SNV	19	82	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	21	96	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	15	98	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	119	487	12
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	6	0
nonframeshift_deletion	0	9	0
nonframeshift_deletion	3	2	0
nonsynonymous_SNV	4	20	0
splicing	0	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	2	6	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	154	758	36
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	1	7	0
nonframeshift_insertion	221	902	169
nonsynonymous_SNV	26	99	1
nonsynonymous_SNV	93	456	334
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	10	55	0
nonsynonymous_SNV	180	674	14
nonsynonymous_SNV	139	550	7
nonsynonymous_SNV	32	145	0
nonsynonymous_SNV	181	669	14
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	96	451	9
nonsynonymous_SNV	97	455	9
nonsynonymous_SNV	178	661	14
nonsynonymous_SNV	178	660	14
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	53	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	222	893	165
nonsynonymous_SNV	171	633	12
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	208	866	187
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	15	73	0
nonsynonymous_SNV	55	221	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	38	115	1
nonsynonymous_SNV	31	166	1
nonsynonymous_SNV	19	81	0

nonframeshift_deletion	18	75	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	15	70	0
nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	11	45	0
nonsynonymous_SNV	17	37	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	94	415	4
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	17	72	0
nonsynonymous_SNV	12	38	0
nonsynonymous_SNV	93	413	4
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	17	72	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	101	448	4
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	89	402	4
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	27	134	1
nonsynonymous_SNV	15	84	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
frameshift_insertion	3	13	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	7	8	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0

nonsynonymous_SNV	179	925	66
nonframeshift_deletion	40	173	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	12	45	0
nonsynonymous_SNV	98	433	6
nonsynonymous_SNV	7	46	0
nonsynonymous_SNV	35	165	1
nonsynonymous_SNV	205	963	91
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	26	144	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	31	0
nonsynonymous_SNV	45	194	390
nonsynonymous_SNV	7	8	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	19	72	0
nonsynonymous_SNV	49	199	3
nonsynonymous_SNV	27	96	0
nonsynonymous_SNV	14	46	0
nonsynonymous_SNV	119	556	12
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	42	186	2
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	18	97	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	29	125	1

nonsynonymous_SNV	209	889	167
nonsynonymous_SNV	218	892	62
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	224	963	107
nonsynonymous_SNV	7	49	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	13	34	0
frameshift_deletion	2	4	0
nonsynonymous_SNV	48	244	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	205	902	176
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	114	434	6
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	12	53	0
nonsynonymous_SNV	218	790	35
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	24	89	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	50	264	3
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	219	940	110
nonsynonymous_SNV	197	881	64
splicing	75	299	6
frameshift_deletion	2	8	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	192	889	60
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	8	49	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	126	647	21
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	8	41	0
nonsynonymous_SNV	107	402	325
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	207	836	56
nonsynonymous_SNV	220	948	96
nonsynonymous_SNV	168	662	242

nonsynonymous_SNV	0	18	0
nonsynonymous_SNV	118	506	11
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	8	17	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	21	1
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	5	47	0
nonsynonymous_SNV	133	602	17
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	84	349	6
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	193	836	41
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	92	470	331
nonsynonymous_SNV	11	56	0
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	13	24	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	192	884	193
nonsynonymous_SNV	166	801	38
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	16	79	0
nonsynonymous_SNV	188	810	31
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	17	47	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	24	132	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
frameshift_deletion	14	39	422
nonframeshift_deletion	14	39	423
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	147	725	261

nonsynonymous_SNV	106	462	8
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	179	859	56
nonsynonymous_SNV	131	643	285
nonsynonymous_SNV	37	128	1
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	22	73	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	120	526	10
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	198	834	47
nonsynonymous_SNV	197	841	48
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	13	45	1
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	1	4	0
stopgain	1	4	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	23	110	1
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	65	301	6
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	80	246	4
nonsynonymous_SNV	3	3	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	199	902	51
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	57	245	2
stopgain	34	162	1
nonsynonymous_SNV	50	226	2
nonsynonymous_SNV	212	904	178
nonsynonymous_SNV	226	946	143
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	42	218	3
nonsynonymous_SNV	41	157	393
nonsynonymous_SNV	11	30	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	10	37	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	18	0
nonframeshift_deletion	0	7	0
nonsynonymous_SNV	9	35	0
nonsynonymous_SNV	21	66	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	10	65	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	9	59	1
nonsynonymous_SNV	196	870	191
nonsynonymous_SNV	4	14	0
splicing	2	3	0
nonsynonymous_SNV	8	19	0
frameshift_deletion	4	20	0
frameshift_deletion	4	20	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	84	366	8
nonsynonymous_SNV	206	991	126
nonsynonymous_SNV	161	775	37
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	128	615	13

nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	206	897	166
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	129	623	26
nonsynonymous_SNV	184	888	205
nonsynonymous_SNV	116	554	25
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	186	852	210
nonsynonymous_SNV	90	433	10
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	184	857	210
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	113	437	312
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	12	22	425
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	49	237	2
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	8	17	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	191	699	22
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	6	25	0

nonsynonymous_SNV	192	870	69
nonsynonymous_SNV	192	869	69
nonsynonymous_SNV	192	869	69
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	204	888	188
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	77	299	4
nonsynonymous_SNV	22	118	1
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	10	48	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	115	460	17
nonsynonymous_SNV	182	870	191
nonsynonymous_SNV	37	180	0
nonsynonymous_SNV	16	73	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	74	307	4
nonsynonymous_SNV	47	274	4
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	61	270	3
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	6	0
stopgain	12	62	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	12	62	0
nonsynonymous_SNV	3	11	1
nonsynonymous_SNV	9	54	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	36	183	2

nonsynonymous_SNV	154	722	26
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	13	0
frameshift_deletion	1	6	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	14	49	422
nonsynonymous_SNV	6	68	0
stopgain	0	6	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	20	0
nonsynonymous_SNV	41	231	1
nonsynonymous_SNV	160	698	19
nonsynonymous_SNV	16	34	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	6	48	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	16	149	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	26	84	1
nonsynonymous_SNV	124	609	23
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	7	0
frameshift_deletion	1	4	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	32	179	0
nonsynonymous_SNV	170	785	35
nonsynonymous_SNV	6	51	0
nonsynonymous_SNV	205	891	161
nonsynonymous_SNV	205	891	161
nonsynonymous_SNV	2	11	0
nonframeshift_deletion	204	960	66

nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	1	3	1
nonsynonymous_SNV	12	74	0
frameshift_deletion	6	20	0
nonsynonymous_SNV	24	87	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	13	28	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	47	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	193	947	150
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	14	47	0
nonsynonymous_SNV	12	37	0
nonsynonymous_SNV	225	946	94
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	47	183	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	47	183	0
nonsynonymous_SNV	65	304	4
nonsynonymous_SNV	2	6	1
nonsynonymous_SNV	179	799	221
nonsynonymous_SNV	177	797	221
nonsynonymous_SNV	55	269	3
nonsynonymous_SNV	55	269	3
nonsynonymous_SNV	54	269	3
nonsynonymous_SNV	55	269	3
nonsynonymous_SNV	55	269	3
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	178	788	216
nonsynonymous_SNV	12	78	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	226	946	122
nonsynonymous_SNV	194	882	183
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	3	1
nonsynonymous_SNV	3	7	0

nonsynonymous_SNV	28	131	1
nonsynonymous_SNV	230	934	70
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	19	105	1
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	8	75	0
nonsynonymous_SNV	99	399	6
nonsynonymous_SNV	215	895	149
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	18	0
nonframeshift_deletion	1	7	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	55	288	2
nonsynonymous_SNV	16	55	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	43	184	1
nonsynonymous_SNV	12	53	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	196	862	188
frameshift_deletion	5	31	0
nonsynonymous_SNV	197	858	182
frameshift_deletion	3	12	0
nonsynonymous_SNV	5	10	0
nonframeshift_insertion	112	433	315
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	32	0
nonsynonymous_SNV	1	1	436
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	96	417	8
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	17	66	0
nonsynonymous_SNV	116	512	312
stopgain	6	52	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	9	41	0

nonsynonymous_SNV	37	108	0
nonsynonymous_SNV	28	149	0
nonframeshift_insertion	0	10	0
nonsynonymous_SNV	169	739	243
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	172	767	235
nonsynonymous_SNV	23	106	0
nonsynonymous_SNV	16	52	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	16	52	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	18	46	0
nonsynonymous_SNV	11	75	0
nonsynonymous_SNV	5	53	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	212	969	121
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	107	446	5
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	26	101	1
nonsynonymous_SNV	123	620	17
nonsynonymous_SNV	2	34	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	14	75	0
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	61	310	5

nonsynonymous_SNV	6	23	0
stopgain	0	5	0
nonsynonymous_SNV	62	312	5
nonsynonymous_SNV	12	47	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	4	10	0
splicing	0	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	207	941	51
nonsynonymous_SNV	15	35	0
nonsynonymous_SNV	11	40	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	155	641	25
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	64	257	372
nonsynonymous_SNV	140	556	17
nonsynonymous_SNV	28	114	409
nonsynonymous_SNV	21	84	0
nonsynonymous_SNV	117	592	19
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	3	10	1
nonsynonymous_SNV	64	312	4
nonsynonymous_SNV	9	58	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	184	837	44
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	122	547	7
nonsynonymous_SNV	10	66	0
nonsynonymous_SNV	154	687	32
nonsynonymous_SNV	155	687	31
nonsynonymous_SNV	112	525	7
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	11	27	0

nonsynonymous_SNV	8	18	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	140	528	15
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	5	25	0
frameshift_deletion	2	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	13	46	1
nonsynonymous_SNV	92	355	11
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	58	221	6
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	40	205	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	211	1000	106
nonsynonymous_SNV	43	232	1
nonsynonymous_SNV	15	39	0
splicing	17	31	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	221	918	142
nonsynonymous_SNV	82	380	4
nonsynonymous_SNV	7	25	1
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	12	21	0
nonsynonymous_SNV	20	70	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	13	29	0
nonsynonymous_SNV	32	122	0
nonsynonymous_SNV	22	101	0
nonsynonymous_SNV	6	49	1
nonsynonymous_SNV	37	174	0
nonsynonymous_SNV	4	34	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	6	8	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	11	49	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	155	627	23
nonsynonymous_SNV	113	547	14
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	11	27	0
nonsynonymous_SNV	214	981	113
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	174	805	41
nonsynonymous_SNV	38	203	4
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	14	29	0
frameshift_deletion	2	17	0
nonsynonymous_SNV	32	119	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	190	929	94
nonsynonymous_SNV	19	87	0
nonsynonymous_SNV	110	462	7
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	192	815	191
nonsynonymous_SNV	19	77	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	41	0
nonsynonymous_SNV	169	748	229

nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	198	937	78
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	23	89	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	17	79	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	7	9	0
nonsynonymous_SNV	13	34	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	187	850	199
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	16	65	1
nonsynonymous_SNV	13	70	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	24	118	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	56	204	1
nonframeshift_deletion	1	5	0
nonsynonymous_SNV	6	50	0
nonsynonymous_SNV	10	19	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	14	82	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	90	382	339
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	112	560	302
nonsynonymous_SNV	23	110	0
nonframeshift_deletion	2	11	0
frameshift_deletion	2	11	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	4	14	0
nonsynonymous_SNV	3	6	0

nonsynonymous_SNV	2	47	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	167	801	231
nonsynonymous_SNV	3	34	0
frameshift_deletion	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	78	393	7
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	8	49	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	47	239	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	10	37	0
splicing	33	103	2
nonsynonymous_SNV	33	109	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	47	164	389
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	58	317	7
nonsynonymous_SNV	21	68	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	221	926	72
nonsynonymous_SNV	197	828	32
stopgain	6	20	0
nonsynonymous_SNV	1	12	436
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	35	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	12	74	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	194	865	55
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	221	920	140
nonsynonymous_SNV	34	174	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	156	672	17
nonsynonymous_SNV	14	62	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	39	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	107	420	5
nonsynonymous_SNV	107	418	5
nonsynonymous_SNV	59	341	4
nonsynonymous_SNV	13	66	0
nonsynonymous_SNV	19	108	1
nonsynonymous_SNV	17	85	0
nonsynonymous_SNV	16	68	0
nonsynonymous_SNV	13	44	0
nonsynonymous_SNV	77	259	2
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	92	353	6
nonsynonymous_SNV	127	532	299
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	17	64	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	5	43	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	209	916	78
nonsynonymous_SNV	5	34	0
stopgain	0	6	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	5	35	0
frameshift_deletion	2	7	0
nonsynonymous_SNV	55	283	3
nonsynonymous_SNV	2	12	0

nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0
frameshift_deletion	2	19	0
frameshift_deletion	2	19	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	56	319	6
nonsynonymous_SNV	201	946	100
nonsynonymous_SNV	201	945	101
nonsynonymous_SNV	4	44	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	4	36	0
nonsynonymous_SNV	2	36	0
splicing	40	139	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	211	924	157
splicing	8	29	0
nonsynonymous_SNV	9	66	1
nonsynonymous_SNV	172	772	235
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	15	0
stopgain	6	22	0
splicing	9	52	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	51	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	115	494	10
stopgain	1	8	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	9	1
nonsynonymous_SNV	16	93	1

nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	205	878	180
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	85	396	8
nonsynonymous_SNV	92	457	12
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	40	169	1
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	2	8	0
nonframeshift_deletion	69	356	3
nonsynonymous_SNV	58	240	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	12	19	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	20	137	0
nonsynonymous_SNV	10	27	0
nonsynonymous_SNV	10	39	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	31	0
nonsynonymous_SNV	1	1	436
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	221	889	136
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	199	841	201
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	38	113	2
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	0	9	0

nonsynonymous_SNV	79	352	4
nonsynonymous_SNV	17	66	0
nonsynonymous_SNV	80	356	4
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	180	860	203
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	105	525	10
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	187	859	203
nonsynonymous_SNV	19	68	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	82	428	3
nonsynonymous_SNV	85	427	3
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	82	425	3
nonsynonymous_SNV	66	368	2
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	82	430	3
frameshift_insertion	2	14	0
nonsynonymous_SNV	18	79	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	66	366	2
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	85	432	3
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	82	431	3
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	17	79	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	32	129	1
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	49	274	1
nonsynonymous_SNV	14	71	0
nonsynonymous_SNV	14	47	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	9	0

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	113	513	312
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	215	940	93
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	17	84	0
nonsynonymous_SNV	228	921	143
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	3	13	0
splicing	2	5	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	13	69	1
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	157	634	265
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	165	704	249
nonsynonymous_SNV	3	58	0
nonsynonymous_SNV	9	19	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	180	759	22
nonsynonymous_SNV	28	130	1
nonsynonymous_SNV	11	53	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	16	73	0
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	27	111	1
nonsynonymous_SNV	1	8	0

nonsynonymous_SNV	175	775	59
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	84	386	7
nonsynonymous_SNV	6	26	0
frameshift_insertion	8	38	0
stopgain	19	45	0
nonsynonymous_SNV	197	907	162
nonsynonymous_SNV	34	145	2
nonsynonymous_SNV	1	8	0
splicing	90	459	3
nonsynonymous_SNV	223	949	125
nonsynonymous_SNV	71	332	1
nonsynonymous_SNV	21	83	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	32	145	2
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	99	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	8	17	0
nonsynonymous_SNV	223	921	44
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	68	336	366
nonsynonymous_SNV	192	842	48
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	6	57	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	23	87	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	182	812	193
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	34	160	1
nonsynonymous_SNV	19	51	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	34	1
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	221	960	104
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	69	284	2
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	106	419	8
nonsynonymous_SNV	142	643	20
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	134	644	21
splicing	0	5	0
nonsynonymous_SNV	31	156	1
frameshift_deletion	205	891	60
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	44	157	393
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	40	199	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	19	66	0
nonsynonymous_SNV	111	457	5
nonsynonymous_SNV	13	66	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	188	838	48
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	170	731	25
nonsynonymous_SNV	1	13	0

nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	158	687	25
nonframeshift_insertion	169	701	238
nonsynonymous_SNV	9	49	0
nonsynonymous_SNV	14	59	1
nonsynonymous_SNV	15	79	0
nonsynonymous_SNV	35	148	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	6	0
frameshift_deletion	1	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	1	0	436
frameshift_deletion	6	3	0
nonsynonymous_SNV	1	8	0
frameshift_deletion	3	8	0
nonsynonymous_SNV	42	157	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	46	267	3
nonsynonymous_SNV	57	211	0
nonsynonymous_SNV	15	81	0
frameshift_deletion	3	8	0
nonsynonymous_SNV	29	121	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	61	307	3
nonsynonymous_SNV	62	231	2
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	4	26	1
nonsynonymous_SNV	85	436	9
nonsynonymous_SNV	74	331	3
nonsynonymous_SNV	23	76	0
nonsynonymous_SNV	16	41	0
nonsynonymous_SNV	92	377	336
nonsynonymous_SNV	30	128	1
nonsynonymous_SNV	4	42	0
nonsynonymous_SNV	0	8	0

nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	10	28	0
nonsynonymous_SNV	217	861	182
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	92	424	10
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	200	885	174
nonsynonymous_SNV	18	116	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	9	39	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	23	95	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	46	204	1
nonsynonymous_SNV	23	95	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	75	304	8
nonsynonymous_SNV	7	42	1
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	16	129	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	71	260	0
nonsynonymous_SNV	71	260	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	210	921	138
nonsynonymous_SNV	71	260	0
nonframeshift_insertion	207	920	139
nonsynonymous_SNV	208	920	139
nonsynonymous_SNV	190	778	213
nonsynonymous_SNV	137	574	15
nonsynonymous_SNV	29	121	0
frameshift_deletion	5	15	0
nonframeshift_deletion	4	13	0
frameshift_deletion	4	17	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	3	9	0

nonsynonymous_SNV	186	967	104
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	189	966	103
nonsynonymous_SNV	132	691	23
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	65	345	5
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	84	368	9
nonsynonymous_SNV	84	368	9
nonsynonymous_SNV	84	368	9
nonsynonymous_SNV	81	368	10
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	9	45	0
nonsynonymous_SNV	84	365	9
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	14	84	1
nonsynonymous_SNV	191	828	27
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	24	112	1
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	22	78	1
nonsynonymous_SNV	2	5	0

nonsynonymous_SNV	22	80	1
nonsynonymous_SNV	38	178	1
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	18	130	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	17	51	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	22	85	0
nonsynonymous_SNV	21	103	0
nonsynonymous_SNV	41	155	0
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	0	3	437
nonsynonymous_SNV	4	51	0
nonsynonymous_SNV	17	63	0
frameshift_insertion	7	20	0
nonsynonymous_SNV	40	159	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	15	50	1
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	15	71	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	187	713	29
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	184	709	223
nonsynonymous_SNV	21	91	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	217	962	86
nonsynonymous_SNV	9	24	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	14	0

nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	41	158	1
nonsynonymous_SNV	12	79	0
nonsynonymous_SNV	6	45	0
stopgain	2	13	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	32	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	3	0
frameshift_deletion	0	8	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	72	316	3
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	34	152	0
nonsynonymous_SNV	23	101	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
stopgain	2	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	87	413	8
nonsynonymous_SNV	29	159	0
nonsynonymous_SNV	101	443	7
nonsynonymous_SNV	46	176	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	202	882	177
nonsynonymous_SNV	3	21	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	13	61	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	66	268	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	11	53	0
nonsynonymous_SNV	2	13	0
nonframeshift_deletion	3	9	0

nonsynonymous_SNV	0	6	0
frameshift_deletion	13	60	1
nonsynonymous_SNV	53	206	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	67	257	1
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	48	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	51	240	3
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	11	31	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	28	94	0
nonsynonymous_SNV	216	963	119
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	129	527	13
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	28	126	0
nonsynonymous_SNV	16	48	0
nonsynonymous_SNV	187	814	44
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	202	920	79
frameshift_deletion	15	61	0
nonsynonymous_SNV	143	714	27
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	54	261	2
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	114	504	9
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	7	21	0

stopgain	1	4	0
nonsynonymous_SNV	100	440	5
nonsynonymous_SNV	43	232	1
nonsynonymous_SNV	95	429	11
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	156	659	26
splicing	132	614	21
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	56	231	3
nonsynonymous_SNV	208	985	107
frameshift_deletion	1	10	0
nonsynonymous_SNV	36	166	1
frameshift_deletion	1	9	0
frameshift_deletion	1	9	0
nonsynonymous_SNV	199	840	206
nonsynonymous_SNV	89	412	5
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	210	932	164
nonsynonymous_SNV	48	218	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	174	834	33
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	184	871	216
nonsynonymous_SNV	15	80	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	8	57	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	212	887	67
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	46	212	2
nonsynonymous_SNV	48	209	2
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	20	77	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	66	333	362
nonsynonymous_SNV	20	113	0
nonsynonymous_SNV	20	80	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	129	561	24
nonsynonymous_SNV	80	431	6
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	23	0

nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	94	442	6
frameshift_insertion	5	25	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	33	139	403
nonsynonymous_SNV	47	207	1
nonsynonymous_SNV	8	38	1
nonsynonymous_SNV	33	141	404
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	209	966	144
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	178	901	187
nonsynonymous_SNV	212	896	168
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	58	180	1
nonsynonymous_SNV	1	1	436
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	216	929	53
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	34	0
nonsynonymous_SNV	222	967	78
nonsynonymous_SNV	8	37	0
nonsynonymous_SNV	11	73	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	241	964	93
nonsynonymous_SNV	2	7	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	34	153	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	188	874	59
frameshift_insertion	6	12	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	12	49	1
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	29	162	0
nonsynonymous_SNV	52	324	8
nonsynonymous_SNV	23	113	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	58	284	3
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	217	968	107
nonsynonymous_SNV	217	974	108
nonsynonymous_SNV	32	183	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	133	576	291
nonsynonymous_SNV	69	253	3
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	182	752	226
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	12	53	0
nonsynonymous_SNV	44	208	2
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	24	97	1
nonsynonymous_SNV	12	60	425

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	12	61	425
nonsynonymous_SNV	12	60	425
nonsynonymous_SNV	106	460	5
nonsynonymous_SNV	12	60	425
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	1	4	0
stopgain	16	74	0
nonsynonymous_SNV	13	74	0
nonsynonymous_SNV	12	52	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	46	227	3
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	29	147	0
nonsynonymous_SNV	26	142	1
nonsynonymous_SNV	8	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	32	138	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	205	841	50
nonframeshift_insertion	8	25	0
nonsynonymous_SNV	8	25	0
frameshift_deletion	8	25	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	33	124	0
nonsynonymous_SNV	0	8	0
nonframeshift_insertion	220	893	67
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	205	914	139
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	10	50	0
nonsynonymous_SNV	190	856	40
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	13	80	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	13	80	0
nonsynonymous_SNV	200	912	51
nonsynonymous_SNV	177	722	34
nonsynonymous_SNV	0	5	0
frameshift_deletion	3	12	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	6	41	0
nonsynonymous_SNV	2	42	0
nonsynonymous_SNV	13	85	1
nonsynonymous_SNV	210	899	52
nonsynonymous_SNV	212	903	163
nonframeshift_deletion	13	72	1
nonsynonymous_SNV	207	900	56
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	25	99	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	6	38	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	11	30	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	14	41	0
nonsynonymous_SNV	2	6	0
frameshift_insertion	1	4	0
frameshift_insertion	1	4	0
nonsynonymous_SNV	198	875	51
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	0	437

nonsynonymous_SNV	17	77	1
nonsynonymous_SNV	10	33	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	147	746	257
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	70	313	4
nonsynonymous_SNV	58	205	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	32	89	0
nonsynonymous_SNV	9	33	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	35	148	0
nonsynonymous_SNV	95	431	9
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	220	858	51
nonsynonymous_SNV	185	820	51
nonsynonymous_SNV	9	64	0
nonsynonymous_SNV	14	64	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	10	72	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	29	142	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	24	137	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	24	142	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	20	1
nonsynonymous_SNV	218	930	128
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	7	41	0

nonsynonymous_SNV	11	67	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	9	17	0
nonsynonymous_SNV	18	70	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	16	78	0
nonsynonymous_SNV	28	114	2
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	182	889	197
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	181	918	177
nonsynonymous_SNV	7	19	1
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	52	206	3
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	11	50	0
nonsynonymous_SNV	186	933	86
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	181	890	59
nonsynonymous_SNV	45	187	2
nonsynonymous_SNV	201	945	95
nonsynonymous_SNV	2	5	1
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	9	17	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	8	0
stopgain	0	8	0
nonsynonymous_SNV	9	41	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	34	136	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	123	539	15
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	78	367	6
nonsynonymous_SNV	167	691	245
nonsynonymous_SNV	70	379	7
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	100	469	6
nonsynonymous_SNV	27	118	0
nonsynonymous_SNV	216	952	152
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	103	475	5
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	209	929	165
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	39	140	1
nonsynonymous_SNV	2	27	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	11	42	0
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	68	306	9
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	10	25	0
nonframeshift_deletion	4	12	0

nonsynonymous_SNV	11	49	0
nonsynonymous_SNV	7	30	1
nonsynonymous_SNV	7	30	1
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	2	5	0
nonframeshift_deletion	1	8	0
nonsynonymous_SNV	90	436	4
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	24	93	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	11	48	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	189	753	31
nonsynonymous_SNV	185	755	34
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	11	64	0
nonsynonymous_SNV	22	108	0
nonsynonymous_SNV	11	44	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	7	46	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	116	432	7
nonsynonymous_SNV	189	838	45
nonsynonymous_SNV	192	838	43
frameshift_insertion	35	243	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	29	116	0
stopgain	1	6	0
nonsynonymous_SNV	5	21	432
stopgain	3	5	0
nonsynonymous_SNV	4	10	0

nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	52	184	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	17	110	0
nonsynonymous_SNV	1	5	0
stopgain	1	9	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	192	871	37
nonsynonymous_SNV	25	116	410
nonsynonymous_SNV	2	14	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	2	6	0
nonframeshift_insertion	6	14	0
nonframeshift_deletion	1	5	0
nonsynonymous_SNV	9	61	0
nonsynonymous_SNV	157	692	245
nonsynonymous_SNV	31	153	1
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	94	389	339
nonsynonymous_SNV	12	82	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	28	144	1
frameshift_deletion	17	69	0
nonsynonymous_SNV	200	781	199
nonsynonymous_SNV	14	62	1
nonsynonymous_SNV	12	43	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	13	45	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	45	210	2
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	100	438	14
nonsynonymous_SNV	63	305	2
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	109	481	14
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	5	16	0

nonsynonymous_SNV	19	72	0
nonsynonymous_SNV	156	795	40
nonsynonymous_SNV	94	406	9
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	10	57	0
nonsynonymous_SNV	23	76	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	7	10	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	220	951	77
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	21	131	0
nonsynonymous_SNV	219	973	99
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	217	894	55
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	119	501	303
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	143	612	22
nonsynonymous_SNV	69	298	2
nonsynonymous_SNV	69	301	2
nonsynonymous_SNV	225	977	96
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	19	120	0
nonsynonymous_SNV	7	17	0
nonsynonymous_SNV	5	52	0
frameshift_insertion	3	36	0
splicing	0	15	0
splicing	0	11	0
splicing	2	11	0
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	121	469	12
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	107	459	12
nonsynonymous_SNV	5	53	0
stopgain	177	805	48

nonsynonymous_SNV	104	380	329
nonsynonymous_SNV	146	757	35
nonsynonymous_SNV	5	38	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	142	670	28
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	11	32	0
nonsynonymous_SNV	184	753	27
nonsynonymous_SNV	13	43	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	102	511	12
nonsynonymous_SNV	168	718	31
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	234	940	102
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	6	48	0
nonsynonymous_SNV	20	76	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	19	52	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	71	266	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	217	928	100
nonsynonymous_SNV	2	44	0
nonsynonymous_SNV	84	445	343
nonsynonymous_SNV	202	909	174
nonsynonymous_SNV	86	317	11
nonsynonymous_SNV	154	678	37
nonsynonymous_SNV	83	320	11
nonsynonymous_SNV	17	40	0
nonsynonymous_SNV	93	359	10
nonsynonymous_SNV	109	475	12
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	223	974	83
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	189	854	48

nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	83	325	8
nonsynonymous_SNV	106	478	325
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	206	941	112
nonsynonymous_SNV	67	359	3
nonframeshift_deletion	226	949	116
nonframeshift_deletion	226	949	116
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	137	723	37
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	15	74	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	4	10	1
nonsynonymous_SNV	167	725	23
nonsynonymous_SNV	1	5	0
nonframeshift_deletion	74	284	2
nonframeshift_deletion	2	7	0
frameshift_deletion	0	5	0
nonsynonymous_SNV	0	6	0
nonframeshift_deletion	1	5	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	64	253	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	9	0
nonframeshift_insertion	2	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	184	840	38
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	22	0

nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	18	77	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	19	62	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	190	880	51
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	21	69	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	131	518	292
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	211	957	111
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	206	979	123
nonsynonymous_SNV	36	217	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	202	910	86
nonsynonymous_SNV	62	278	1
nonsynonymous_SNV	3	4	0
nonframeshift_deletion	2	10	0
nonsynonymous_SNV	176	855	45
nonsynonymous_SNV	0	7	0
nonframeshift_insertion	134	657	24
nonsynonymous_SNV	135	658	24
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	214	936	70
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	192	847	45
nonsynonymous_SNV	199	880	53

nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	208	967	113
nonsynonymous_SNV	40	205	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	34	155	2
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	7	25	0
frameshift_insertion	1	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	15	85	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	40	295	0
nonsynonymous_SNV	97	546	12
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	91	507	5
nonsynonymous_SNV	40	288	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	63	347	2
nonsynonymous_SNV	64	350	2
nonsynonymous_SNV	67	243	5
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	219	964	104
nonsynonymous_SNV	222	929	140
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	218	969	98
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	44	206	2
nonsynonymous_SNV	39	183	2
nonsynonymous_SNV	39	184	2
nonsynonymous_SNV	46	205	2
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	8	40	1
nonsynonymous_SNV	70	365	4
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	189	948	133
nonsynonymous_SNV	225	934	117
nonsynonymous_SNV	15	62	0
nonsynonymous_SNV	1	7	0

nonsynonymous_SNV	204	985	109
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	1	3	1
nonsynonymous_SNV	42	175	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	10	22	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	138	699	272
nonsynonymous_SNV	87	364	2
nonframeshift_deletion	96	411	5
nonsynonymous_SNV	186	900	194
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	76	323	6
nonsynonymous_SNV	44	136	1
nonsynonymous_SNV	14	36	0
nonsynonymous_SNV	8	54	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	103	514	10
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	156	701	26
nonsynonymous_SNV	104	432	15
nonsynonymous_SNV	35	126	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	108	547	11
nonsynonymous_SNV	2	46	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	40	164	2
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	41	164	2
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	203	943	78
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	196	915	59
nonsynonymous_SNV	193	911	58
nonsynonymous_SNV	89	368	13
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	15	77	0
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	34	163	3
nonsynonymous_SNV	12	90	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	99	386	14
nonsynonymous_SNV	203	883	57
nonsynonymous_SNV	37	157	1
nonsynonymous_SNV	203	875	153
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	59	0
nonsynonymous_SNV	6	44	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	139	581	15
nonsynonymous_SNV	12	40	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	36	126	2
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	206	900	180
frameshift_insertion	20	98	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	8	49	0

nonsynonymous_SNV	4	25	0
stopgain	3	2	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	20	106	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	26	104	1
nonsynonymous_SNV	181	766	219
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	100	481	11
nonsynonymous_SNV	9	42	1
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	20	106	1
nonsynonymous_SNV	21	54	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	57	1
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	34	134	402
nonsynonymous_SNV	6	52	1
stopgain	2	5	0
nonsynonymous_SNV	9	33	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	62	267	2
nonsynonymous_SNV	27	153	1
nonsynonymous_SNV	76	326	5
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	8	45	0
nonsynonymous_SNV	126	611	17
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	8	1
nonsynonymous_SNV	140	608	12

nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	197	1013	106
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	91	541	12
nonsynonymous_SNV	31	234	4
nonsynonymous_SNV	66	329	2
nonsynonymous_SNV	32	236	4
nonsynonymous_SNV	72	361	4
nonsynonymous_SNV	1	5	1
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	0	6	0
frameshift_deletion	0	5	0
nonsynonymous_SNV	11	110	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	208	897	66
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	0	6	0
stopgain	2	16	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	22	131	0
nonsynonymous_SNV	19	70	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	0	8	1
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	124	545	13
nonsynonymous_SNV	169	665	18
frameshift_deletion	1	11	1
frameshift_deletion	5	34	0
nonsynonymous_SNV	188	715	23
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	34	120	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	1

nonsynonymous_SNV	81	385	4
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	103	441	5
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	205	966	90
nonsynonymous_SNV	10	26	0
nonsynonymous_SNV	11	37	0
nonsynonymous_SNV	149	671	267
nonsynonymous_SNV	179	830	39
nonsynonymous_SNV	177	722	30
nonsynonymous_SNV	9	42	1
nonsynonymous_SNV	94	356	5
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	181	752	35
splicing	5	31	0
nonsynonymous_SNV	86	322	5
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	152	825	35
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	75	338	6
nonsynonymous_SNV	14	50	0
nonsynonymous_SNV	16	52	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	12	57	0
nonsynonymous_SNV	154	617	18
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	2	4	435
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	23	88	0
nonsynonymous_SNV	0	1	437
stopgain	2	8	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	12	29	0
nonsynonymous_SNV	2	9	0

nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	190	878	61
nonsynonymous_SNV	1	3	436
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	21	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	32	169	3
nonsynonymous_SNV	115	449	22
nonsynonymous_SNV	4	32	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	146	821	43
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	70	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	211	920	91
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	119	534	15
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	156	732	257
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	106	478	8
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	95	398	6
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	176	809	220
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	19	125	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	24	127	0
nonsynonymous_SNV	7	49	1
nonsynonymous_SNV	6	44	0
nonsynonymous_SNV	228	951	113
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	20	77	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	11	68	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	12	45	425
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	162	722	28
nonsynonymous_SNV	25	91	411
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	24	131	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	11	69	0

nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	64	214	2
nonsynonymous_SNV	204	878	174
nonsynonymous_SNV	27	135	2
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	85	386	4
nonsynonymous_SNV	201	910	73
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	52	227	3
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	164	661	21
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	11	22	0
nonframeshift_deletion	1	13	0
frameshift_deletion	1	13	0
frameshift_deletion	1	13	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	40	133	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	80	371	8
nonsynonymous_SNV	19	63	0
nonsynonymous_SNV	87	374	5
nonsynonymous_SNV	8	53	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	53	204	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	38	0
nonsynonymous_SNV	7	27	1
nonsynonymous_SNV	210	926	171
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	236	965	118
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	215	956	155
nonsynonymous_SNV	2	12	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	210	945	163
nonsynonymous_SNV	129	547	10
nonsynonymous_SNV	219	931	157
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	1	4	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	7	12	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	209	976	102
nonsynonymous_SNV	165	784	233
nonsynonymous_SNV	10	39	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	137	564	16
nonsynonymous_SNV	180	852	56
nonsynonymous_SNV	198	972	161
nonsynonymous_SNV	199	982	150
nonsynonymous_SNV	12	27	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	10	21	0
nonsynonymous_SNV	12	28	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	197	892	203
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	176	777	40
nonsynonymous_SNV	178	779	42
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	43	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	204	843	43
nonsynonymous_SNV	43	212	0
nonsynonymous_SNV	2	2	0
stopgain	0	5	0
nonsynonymous_SNV	206	958	81
nonsynonymous_SNV	204	954	79
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	11	34	0
nonsynonymous_SNV	25	116	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	16	42	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	47	182	0
nonsynonymous_SNV	6	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	18	61	1
nonsynonymous_SNV	18	61	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	35	179	3
nonsynonymous_SNV	35	178	3
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	56	214	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	37	174	2
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	13	68	0

nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	9	98	0
nonsynonymous_SNV	38	139	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	34	137	0
splicing	0	6	0
nonsynonymous_SNV	27	133	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	87	389	9
nonsynonymous_SNV	55	227	3
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	105	464	12
nonsynonymous_SNV	105	465	11
nonsynonymous_SNV	39	166	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	20	90	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	10	0
nonframeshift_deletion	1	10	0
nonsynonymous_SNV	3	33	0
nonsynonymous_SNV	83	323	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	94	401	3
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	9	45	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	197	872	190
nonsynonymous_SNV	142	670	274
nonsynonymous_SNV	158	707	41
nonsynonymous_SNV	164	745	37
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	13	102	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	49	220	1

nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	23	100	2
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	15	0
stoploss	2	3	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	168	735	45
nonsynonymous_SNV	14	57	0
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	152	750	28
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	223	909	68
nonsynonymous_SNV	13	90	2
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	26	83	0
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	0	4	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	220	966	73
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	28	108	0
nonsynonymous_SNV	15	43	1
nonsynonymous_SNV	62	292	1
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	13	51	0
nonsynonymous_SNV	1	10	0

nonsynonymous_SNV	8	55	0
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	54	233	5
nonsynonymous_SNV	8	74	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	17	78	0
nonsynonymous_SNV	199	945	176
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	206	909	73
nonsynonymous_SNV	107	496	16
nonsynonymous_SNV	106	521	324
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	179	775	36
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	79	341	6
nonsynonymous_SNV	170	735	36
nonsynonymous_SNV	198	938	90
nonsynonymous_SNV	117	502	15
nonsynonymous_SNV	17	126	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	26	121	1
nonsynonymous_SNV	14	67	0
nonsynonymous_SNV	177	862	47
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	0	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	20	126	1
nonsynonymous_SNV	28	94	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	215	937	64

nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	216	937	64
nonsynonymous_SNV	28	95	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	67	279	4
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	39	151	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	16	0
nonframeshift_insertion	8	48	0
nonsynonymous_SNV	119	518	15
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	32	105	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	30	163	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	206	829	45
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	14	74	0
nonsynonymous_SNV	3	11	0
frameshift_insertion	5	22	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	18	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	12	36	0
nonsynonymous_SNV	29	147	2
nonsynonymous_SNV	116	468	12
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	66	357	6
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	34	151	2
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	34	151	2
frameshift_deletion	22	114	1
nonsynonymous_SNV	86	409	341
nonsynonymous_SNV	96	430	330
nonsynonymous_SNV	119	540	8

nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	163	763	51
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	8	60	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	192	894	55
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	8	46	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	149	642	24
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	17	45	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	3	36	0
nonsynonymous_SNV	147	753	21
nonsynonymous_SNV	227	912	138
nonsynonymous_SNV	20	101	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	169	763	22
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	37	110	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	19	57	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	159	695	27
nonsynonymous_SNV	26	113	0
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	13	43	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	197	811	52
nonsynonymous_SNV	197	811	52

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	38	198	1
nonsynonymous_SNV	9	35	0
nonsynonymous_SNV	52	246	0
nonsynonymous_SNV	12	93	0
nonsynonymous_SNV	7	51	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	160	682	251
nonsynonymous_SNV	5	40	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	131	587	11
nonsynonymous_SNV	161	689	21
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	26	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	126	574	21
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	13	36	0
nonsynonymous_SNV	175	811	44
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	30	0
nonsynonymous_SNV	49	270	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	33	188	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	206	761	33
nonsynonymous_SNV	10	25	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	15	47	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	15	27	1
nonsynonymous_SNV	1	18	0
stopgain	5	20	0
nonsynonymous_SNV	137	563	18
nonsynonymous_SNV	137	563	18
nonsynonymous_SNV	20	92	0
nonsynonymous_SNV	120	516	14
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	113	525	309
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	129	555	17
nonsynonymous_SNV	131	561	288
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	120	516	14
nonsynonymous_SNV	134	579	281
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	133	563	286
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	11	67	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	13	44	0
nonsynonymous_SNV	112	417	7
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	207	895	187
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	171	700	242
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	213	958	156
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	123	547	12
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	8	46	0
nonsynonymous_SNV	178	775	43
nonsynonymous_SNV	53	222	5
nonsynonymous_SNV	194	863	48
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	10	26	0
nonframeshift_deletion	6	28	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	7	0
frameshift_deletion	1	5	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	13	73	0
nonsynonymous_SNV	220	915	60
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	216	916	139
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	128	553	17
nonsynonymous_SNV	13	57	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	52	234	2
nonsynonymous_SNV	223	903	148
nonsynonymous_SNV	52	235	2
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	12	35	0
nonsynonymous_SNV	117	544	299
nonsynonymous_SNV	209	955	108
nonsynonymous_SNV	16	79	0
nonsynonymous_SNV	2	2	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	72	0
nonsynonymous_SNV	14	56	0
nonsynonymous_SNV	120	512	10
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	199	787	35
nonsynonymous_SNV	171	784	237
frameshift_deletion	6	19	0
nonsynonymous_SNV	3	8	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	36	0
nonsynonymous_SNV	14	38	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	228	928	129
nonsynonymous_SNV	11	66	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	147	598	17
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	226	946	101
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	171	806	31
nonsynonymous_SNV	12	37	1
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	57	332	4
stopgain	9	41	0
nonsynonymous_SNV	200	915	73
nonsynonymous_SNV	8	37	1
nonsynonymous_SNV	212	969	88
nonsynonymous_SNV	34	118	0
nonsynonymous_SNV	9	35	0
nonsynonymous_SNV	50	330	5
nonsynonymous_SNV	212	956	61
nonsynonymous_SNV	2	6	435
nonsynonymous_SNV	55	264	5
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	220	911	154
nonsynonymous_SNV	27	117	1
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	176	843	214
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	82	342	6
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	120	512	11

nonsynonymous_SNV	76	257	1
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	95	391	6
nonsynonymous_SNV	99	400	6
nonsynonymous_SNV	10	39	0
nonsynonymous_SNV	198	915	82
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	218	928	130
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	149	645	276
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	12	55	1
nonsynonymous_SNV	87	310	3
nonsynonymous_SNV	16	77	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	7	0
stopgain	1	6	0
frameshift_deletion	84	386	4
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	22	63	0
nonsynonymous_SNV	71	299	1
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	209	831	54
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	10	29	0
nonsynonymous_SNV	193	834	35
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	196	847	49
nonsynonymous_SNV	58	271	3
nonsynonymous_SNV	58	272	4
nonsynonymous_SNV	6	39	0

nonsynonymous_SNV	211	978	130
nonsynonymous_SNV	20	87	1
nonsynonymous_SNV	8	44	0
nonsynonymous_SNV	1	6	0
stopgain	3	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	48	267	5
nonframeshift_deletion	1	5	0
nonframeshift_insertion	55	273	1
nonsynonymous_SNV	98	484	12
nonsynonymous_SNV	97	483	12
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	26	108	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	11	66	0
nonsynonymous_SNV	206	949	78
nonsynonymous_SNV	2	4	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	117	509	6
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	211	949	141
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	14	48	0
nonsynonymous_SNV	12	48	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	3	19	0
nonframeshift_deletion	5	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	42	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	206	935	143
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	10	0

nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	60	271	1
nonsynonymous_SNV	209	811	36
nonsynonymous_SNV	64	287	2
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	191	838	39
nonsynonymous_SNV	193	835	38
nonsynonymous_SNV	21	76	0
nonsynonymous_SNV	215	956	118
nonsynonymous_SNV	41	209	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	3	8	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	31	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	48	214	1
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	101	455	6
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	24	86	0
nonsynonymous_SNV	52	239	3
nonsynonymous_SNV	11	21	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	70	319	6
nonframeshift_deletion	1	12	0

nonsynonymous_SNV	10	44	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	15	63	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	88	365	8
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	76	366	6
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	24	123	2
nonsynonymous_SNV	37	182	1
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	9	32	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	154	675	266
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	52	218	1
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	69	339	7
nonsynonymous_SNV	33	119	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	43	164	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	204	886	173
nonsynonymous_SNV	207	885	173
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	16	57	1
nonsynonymous_SNV	70	343	8
nonsynonymous_SNV	9	12	0
nonsynonymous_SNV	70	343	8
nonsynonymous_SNV	16	84	0
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	15	38	0
nonsynonymous_SNV	9	12	0

nonsynonymous_SNV	9	51	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	172	829	34
nonsynonymous_SNV	18	96	0
nonsynonymous_SNV	90	404	6
nonsynonymous_SNV	15	58	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	221	975	130
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	9	37	0
nonsynonymous_SNV	56	264	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	20	76	0
nonsynonymous_SNV	68	325	6
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	20	76	0
splicing	6	16	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	14	0
frameshift_insertion	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	212	960	108
nonsynonymous_SNV	0	1	437
stopgain	1	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	214	959	107
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	54	270	3
nonsynonymous_SNV	5	15	0

nonsynonymous_SNV	8	8	0
nonsynonymous_SNV	11	59	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	180	888	197
splicing	0	0	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	232	1008	94
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	51	245	4
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	65	390	5
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	1	13	1
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	7	0
nonframeshift_deletion	1	6	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	176	786	29
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	43	168	2
nonsynonymous_SNV	137	617	28

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	54	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	5	42	431
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	9	13	0
frameshift_insertion	7	39	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	19	143	1
nonsynonymous_SNV	32	103	0
nonsynonymous_SNV	20	111	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	26	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	38	163	2
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	38	157	2
nonsynonymous_SNV	26	124	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	9	29	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	132	619	18
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	23	88	414
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	6	1
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	52	226	384
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	206	951	90
nonsynonymous_SNV	215	966	137
nonsynonymous_SNV	23	58	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	204	941	66
nonsynonymous_SNV	218	954	72
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	215	935	73
nonframeshift_deletion	0	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	213	979	94
nonsynonymous_SNV	46	174	0
nonsynonymous_SNV	16	61	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	4	16	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	164	765	35
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	155	689	29
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	9	11	0
nonsynonymous_SNV	9	11	0
nonsynonymous_SNV	6	26	1
nonsynonymous_SNV	10	27	0
nonsynonymous_SNV	10	27	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	8	61	0
nonsynonymous_SNV	173	815	200
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	36	115	0
nonsynonymous_SNV	2	41	0
nonsynonymous_SNV	7	25	0
frameshift_deletion	0	6	0
stopgain	0	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	41	173	0
nonsynonymous_SNV	12	56	1
nonsynonymous_SNV	21	138	1
nonframeshift_insertion	1	10	0
stopgain	1	8	0
nonsynonymous_SNV	1	3	436
nonsynonymous_SNV	212	971	134
stopgain	6	22	0
nonsynonymous_SNV	16	59	0
nonsynonymous_SNV	22	133	1
nonsynonymous_SNV	97	380	6
nonframeshift_insertion	190	863	42

nonframeshift_insertion	101	400	6
nonsynonymous_SNV	0	5	0
frameshift_insertion	4	8	0
nonsynonymous_SNV	41	156	2
nonsynonymous_SNV	2	17	0
frameshift_insertion	2	12	0
nonsynonymous_SNV	87	354	5
nonsynonymous_SNV	212	972	91
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	17	60	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	7	47	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	35	126	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	21	98	0
nonsynonymous_SNV	123	525	16
nonsynonymous_SNV	185	817	209
nonsynonymous_SNV	1	6	0
frameshift_deletion	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	107	511	15
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	8	65	0
nonsynonymous_SNV	116	483	10
nonsynonymous_SNV	207	936	97
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	170	702	30
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	171	703	30
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	21	50	0
nonsynonymous_SNV	3	20	0

nonsynonymous_SNV	67	263	3
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	9	56	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	187	888	69
nonsynonymous_SNV	186	899	68
frameshift_deletion	4	12	0
nonsynonymous_SNV	66	229	2
nonsynonymous_SNV	39	212	0
nonsynonymous_SNV	149	530	11
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	110	457	7
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	113	551	12
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	16	61	0
nonsynonymous_SNV	32	109	1
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	2	26	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	32	157	1
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	98	471	7
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	5	49	0
nonsynonymous_SNV	170	859	33
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	1	8	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	222	896	81

nonsynonymous_SNV	126	590	17
frameshift_deletion	0	5	0
frameshift_deletion	0	5	0
nonsynonymous_SNV	41	139	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	41	137	0
nonsynonymous_SNV	9	47	0
nonsynonymous_SNV	159	801	37
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	60	246	5
nonsynonymous_SNV	87	450	10
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	104	411	9
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	10	26	0
nonsynonymous_SNV	116	483	10
nonsynonymous_SNV	3	26	1
nonsynonymous_SNV	11	22	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	18	78	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	59	0
nonsynonymous_SNV	25	136	0
nonframeshift_deletion	29	87	0
nonsynonymous_SNV	12	18	424
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	17	51	0
nonframeshift_insertion	3	3	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	10	23	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	142	685	28
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	145	692	27
frameshift_deletion	1	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	13	62	0

nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	218	958	114
nonsynonymous_SNV	0	7	0
frameshift_insertion	93	390	8
nonframeshift_insertion	32	162	3
stopgain	12	56	0
nonsynonymous_SNV	218	958	113
nonsynonymous_SNV	3	40	0
nonsynonymous_SNV	189	843	51
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	33	107	1
nonsynonymous_SNV	55	220	2
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	7	9	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	8	0
nonframeshift_insertion	3	7	0
nonsynonymous_SNV	41	167	2
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	22	100	1
nonsynonymous_SNV	5	1	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	24	94	413
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	184	778	33
nonsynonymous_SNV	11	27	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	18	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	85	317	4

nonsynonymous_SNV	192	900	69
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	82	368	7
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	6	47	0
nonsynonymous_SNV	211	956	110
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	18	60	0
nonsynonymous_SNV	7	25	0
stopgain	3	5	0
nonsynonymous_SNV	12	48	0
frameshift_deletion	2	9	0
nonsynonymous_SNV	13	52	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	230	939	114
frameshift_insertion	2	12	0
nonsynonymous_SNV	210	907	143
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	12	33	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	108	413	6
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	166	717	30
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	126	591	23
stopgain	131	597	22
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	100	516	10
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	17	48	0
nonsynonymous_SNV	69	310	1
nonsynonymous_SNV	46	176	1
nonsynonymous_SNV	44	176	1

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	0	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	207	860	50
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	15	79	0
nonsynonymous_SNV	148	574	13
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	205	867	49
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	29	178	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	13	28	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	92	477	10
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	227	846	150
nonsynonymous_SNV	188	911	58
nonsynonymous_SNV	74	297	1
nonsynonymous_SNV	123	493	12
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	23	1
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	24	160	2
nonsynonymous_SNV	2	3	0
splicing	150	682	258
nonsynonymous_SNV	128	477	15
nonsynonymous_SNV	128	477	15
nonsynonymous_SNV	123	476	16

nonsynonymous_SNV	125	599	8
nonsynonymous_SNV	94	363	6
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	35	168	3
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	161	682	27
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonframeshift_deletion	87	363	5
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	9	49	1
nonsynonymous_SNV	176	807	217
nonsynonymous_SNV	8	25	0
stopgain	5	14	0
nonsynonymous_SNV	36	158	1
nonsynonymous_SNV	137	669	28
nonsynonymous_SNV	4	30	0
stopgain	2	21	0
nonsynonymous_SNV	195	815	37
nonsynonymous_SNV	32	154	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	176	774	227
nonsynonymous_SNV	180	789	39
nonsynonymous_SNV	17	39	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	16	90	1
nonsynonymous_SNV	82	369	4
nonsynonymous_SNV	25	94	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	177	837	26
stopgain	129	565	18
nonsynonymous_SNV	1	8	0
splicing	166	793	47
nonsynonymous_SNV	193	901	62
stopgain	12	24	0
nonsynonymous_SNV	14	82	1

nonsynonymous_SNV	227	952	84
nonsynonymous_SNV	112	579	12
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	45	174	1
nonsynonymous_SNV	113	478	9
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	22	71	415
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	15	61	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	6	0
nonframeshift_deletion	3	16	0
frameshift_deletion	3	16	0
frameshift_deletion	3	16	0
nonsynonymous_SNV	9	45	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	69	309	5
nonsynonymous_SNV	47	240	2
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	26	117	0
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	34	143	403
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	30	134	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	44	194	1
nonsynonymous_SNV	69	319	4
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	3	36	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	44	194	1
nonsynonymous_SNV	171	771	40
nonsynonymous_SNV	165	772	42
nonsynonymous_SNV	151	721	249
nonsynonymous_SNV	170	773	40

nonsynonymous_SNV	213	903	162
nonsynonymous_SNV	214	903	161
nonsynonymous_SNV	169	773	40
nonsynonymous_SNV	169	771	41
nonsynonymous_SNV	215	956	136
nonsynonymous_SNV	209	862	51
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	36	148	400
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	14	40	0
frameshift_deletion	182	845	39
nonsynonymous_SNV	150	601	15
nonsynonymous_SNV	209	943	128
nonsynonymous_SNV	13	65	1
nonsynonymous_SNV	214	948	128
nonframeshift_deletion	10	23	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	12	49	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	27	131	0
nonsynonymous_SNV	27	131	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	164	630	260
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	13	63	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	12	32	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	42	170	1
nonsynonymous_SNV	26	134	1
nonsynonymous_SNV	21	147	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	160	673	28
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	17	101	1
nonsynonymous_SNV	7	12	0
nonsynonymous_SNV	24	75	0
nonsynonymous_SNV	27	149	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	72	337	4
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	9	49	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	13	54	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	226	960	121
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	89	446	5
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	12	47	0
nonsynonymous_SNV	37	168	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	10	30	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	185	870	199
stopgain	187	777	35
nonsynonymous_SNV	185	869	199
nonsynonymous_SNV	14	35	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	81	347	6
nonsynonymous_SNV	121	515	13
nonsynonymous_SNV	145	668	271
nonframeshift_deletion	2	20	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	120	546	19
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	169	859	43
nonsynonymous_SNV	219	955	100
nonsynonymous_SNV	28	116	408
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	7	24	0

nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	159	678	24
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	9	19	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	117	511	13
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	19	85	0
nonsynonymous_SNV	16	45	0
nonsynonymous_SNV	18	80	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	50	0
nonsynonymous_SNV	13	67	1
stopgain	2	12	0
nonsynonymous_SNV	34	124	0
nonsynonymous_SNV	9	64	0
nonsynonymous_SNV	223	940	76
nonsynonymous_SNV	1	4	436
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	11	87	1
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	74	316	361
nonsynonymous_SNV	170	744	241
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	45	0
nonsynonymous_SNV	23	133	1
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	139	601	7
nonsynonymous_SNV	77	377	2
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	22	47	0
nonsynonymous_SNV	53	264	1
nonsynonymous_SNV	184	871	210
nonsynonymous_SNV	16	78	0

nonsynonymous_SNV	53	260	1
frameshift_deletion	8	17	0
nonsynonymous_SNV	26	81	0
nonsynonymous_SNV	118	480	9
nonframeshift_deletion	25	79	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	53	260	1
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	182	756	23
nonsynonymous_SNV	158	695	29
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	38	242	0
nonframeshift_insertion	144	725	27
nonsynonymous_SNV	139	763	25
nonsynonymous_SNV	162	688	248
nonsynonymous_SNV	17	35	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	5	48	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	11	62	0
nonsynonymous_SNV	162	768	27
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	164	720	31
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	159	710	30
nonsynonymous_SNV	10	54	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	6	55	0
nonsynonymous_SNV	153	691	31
nonsynonymous_SNV	74	464	6
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	200	899	85
nonsynonymous_SNV	200	900	85
nonsynonymous_SNV	201	899	85
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	4	7	0

nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	67	247	368
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	14	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	136	489	14
nonsynonymous_SNV	46	270	1
nonsynonymous_SNV	24	143	413
nonsynonymous_SNV	139	500	10
nonsynonymous_SNV	12	61	0
nonsynonymous_SNV	13	82	0
splicing	3	4	0
nonsynonymous_SNV	0	10	1
stopgain	3	4	0
nonsynonymous_SNV	198	936	163
nonsynonymous_SNV	143	536	14
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	112	428	10
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	201	938	160
nonsynonymous_SNV	8	59	0
nonsynonymous_SNV	136	686	24
nonsynonymous_SNV	85	376	6
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	105	464	9
nonsynonymous_SNV	158	677	32
nonsynonymous_SNV	86	387	7
nonsynonymous_SNV	41	162	1
nonsynonymous_SNV	2	6	1
nonframeshift_insertion	117	511	12
nonsynonymous_SNV	71	274	4
nonsynonymous_SNV	149	549	274
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	33	188	1
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	11	25	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	11	49	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	22	81	1
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	7	23	430
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	69	314	5
nonsynonymous_SNV	19	51	0
nonsynonymous_SNV	201	885	180
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	6	23	0
stopgain	0	14	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	23	60	0
nonsynonymous_SNV	3	37	1
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	11	44	0
nonframeshift_deletion	89	393	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	28	99	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	28	97	0
nonsynonymous_SNV	9	16	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	210	940	87
nonsynonymous_SNV	201	854	184
nonsynonymous_SNV	205	933	171
nonsynonymous_SNV	65	312	3
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	215	973	131
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	218	962	108
nonsynonymous_SNV	18	134	1
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	32	163	3
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	9	0
frameshift_deletion	174	622	20

nonsynonymous_SNV	1	25	0
nonsynonymous_SNV	14	51	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	14	48	0
nonsynonymous_SNV	20	61	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	58	257	0
nonsynonymous_SNV	175	624	20
nonsynonymous_SNV	91	518	10
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	93	526	11
nonsynonymous_SNV	37	160	2
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	9	19	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	91	436	8
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	24	120	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	6	49	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	13	80	0
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	150	808	34
nonsynonymous_SNV	112	549	10
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	15	52	0
nonsynonymous_SNV	4	13	0

nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	4	11	0
stopgain	6	25	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	213	931	141
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	12	34	0
nonsynonymous_SNV	107	409	8
nonsynonymous_SNV	1	5	1
nonsynonymous_SNV	106	484	13
nonsynonymous_SNV	12	56	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	28	75	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	14	63	1
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	29	133	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	80	327	5
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	46	254	3
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	12	33	0
nonsynonymous_SNV	5	52	1
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	61	341	3
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	15	53	0
nonsynonymous_SNV	46	164	3
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	167	800	30
nonsynonymous_SNV	11	50	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	213	954	64
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	42	159	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	41	159	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	23	106	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	121	655	20
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	49	0
frameshift_insertion	0	5	0
nonsynonymous_SNV	0	5	0
nonframeshift_insertion	0	5	0
frameshift_deletion	0	5	0
nonframeshift_insertion	0	5	0
nonsynonymous_SNV	44	226	0
nonsynonymous_SNV	162	756	221
nonsynonymous_SNV	95	435	9
stopgain	0	4	0
nonsynonymous_SNV	10	46	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	44	216	391
nonsynonymous_SNV	47	216	389
stopgain	5	32	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	17	78	0

nonsynonymous_SNV	119	502	302
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	18	84	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	17	104	1
nonsynonymous_SNV	9	29	0
nonsynonymous_SNV	69	273	2
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	10	85	0
nonsynonymous_SNV	69	282	3
nonsynonymous_SNV	78	370	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	190	817	43
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	6	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	185	810	218
nonsynonymous_SNV	46	183	1
nonsynonymous_SNV	15	70	0
nonsynonymous_SNV	14	70	1
nonsynonymous_SNV	9	35	0
nonsynonymous_SNV	9	65	1
frameshift_deletion	1	10	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	7	11	0
nonsynonymous_SNV	14	74	0
nonsynonymous_SNV	9	41	0
nonsynonymous_SNV	197	948	103
nonsynonymous_SNV	26	107	1
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	49	239	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	2	4	0
splicing	16	68	1
nonsynonymous_SNV	94	372	1

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	55	233	5
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	11	37	0
nonsynonymous_SNV	164	729	251
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	58	193	2
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	125	525	8
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	163	733	20
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	113	595	20
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	215	851	175
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	54	0
nonsynonymous_SNV	12	82	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	178	821	51
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	161	760	37
nonsynonymous_SNV	10	29	0
nonsynonymous_SNV	45	282	5
nonsynonymous_SNV	12	62	0
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	2	9	1
nonsynonymous_SNV	4	13	0

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	19	59	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	82	436	11
nonsynonymous_SNV	171	764	229
nonsynonymous_SNV	96	418	336
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	171	762	227
stopgain	3	10	0
nonsynonymous_SNV	188	796	202
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	26	112	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	12	56	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	28	161	1
nonsynonymous_SNV	17	61	0
nonsynonymous_SNV	23	93	0
nonsynonymous_SNV	25	92	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	202	930	148
nonsynonymous_SNV	59	255	2
nonsynonymous_SNV	11	64	0
nonsynonymous_SNV	1	6	0
frameshift_deletion	10	65	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	17	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	35	180	1
nonsynonymous_SNV	197	921	167
nonframeshift_deletion	0	19	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	436
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	213	948	157
nonsynonymous_SNV	213	946	157

nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	54	306	6
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	104	423	11
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	89	436	5
nonsynonymous_SNV	9	48	0
nonsynonymous_SNV	106	506	8
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	14	76	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	14	76	1
nonsynonymous_SNV	225	927	137
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	105	411	5
nonsynonymous_SNV	41	131	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	29	132	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	4	0

nonsynonymous_SNV	195	888	49
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	193	889	49
nonsynonymous_SNV	3	13	1
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	68	278	6
frameshift_insertion	1	9	0
nonframeshift_deletion	1	16	0
nonsynonymous_SNV	4	12	0
stopgain	1	4	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	16	60	0
nonsynonymous_SNV	137	663	21
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	32	170	405
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	27	137	0
nonsynonymous_SNV	1	24	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	11	32	1
nonsynonymous_SNV	26	94	2
nonsynonymous_SNV	10	57	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	12	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	26	0
stopgain	67	283	2
nonsynonymous_SNV	10	25	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	214	925	88
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	7	0

nonsynonymous_SNV	5	38	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	212	904	65
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	92	1
nonsynonymous_SNV	93	470	7
nonsynonymous_SNV	15	73	0
nonsynonymous_SNV	118	489	11
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	15	52	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	9	45	0
nonsynonymous_SNV	110	527	309
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	205	884	56
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	33	130	0
nonsynonymous_SNV	6	20	0
stopgain	2	11	0
nonsynonymous_SNV	16	73	0
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	6	31	0
frameshift_deletion	0	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	33	130	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	173	740	233
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	110	452	317
nonsynonymous_SNV	176	750	231
nonsynonymous_SNV	111	452	317
nonsynonymous_SNV	94	429	6
nonsynonymous_SNV	14	87	1
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	0	6	0

nonsynonymous_SNV	219	924	77
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	18	82	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	33	131	1
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	42	195	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
frameshift_insertion	0	5	0
nonsynonymous_SNV	171	723	23
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	73	326	2
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	206	970	157
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	206	915	66
nonsynonymous_SNV	10	49	0
nonsynonymous_SNV	193	965	139
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	193	949	140
nonsynonymous_SNV	11	36	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	18	81	0
nonsynonymous_SNV	75	430	7
frameshift_deletion	1	18	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	165	713	32
nonsynonymous_SNV	42	171	1

frameshift_deletion	1	6	0
frameshift_deletion	1	6	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	188	907	167
nonsynonymous_SNV	170	809	38
nonsynonymous_SNV	11	35	0
nonsynonymous_SNV	23	79	0
nonsynonymous_SNV	153	585	12
nonsynonymous_SNV	2	30	0
nonsynonymous_SNV	11	47	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	14	65	0
nonsynonymous_SNV	179	794	39
nonsynonymous_SNV	81	410	6
nonsynonymous_SNV	19	72	0
nonsynonymous_SNV	83	409	7
nonsynonymous_SNV	8	92	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	207	922	78
splicing	2	11	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	209	950	61
nonsynonymous_SNV	169	783	22
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	19	74	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	10	0

nonsynonymous_SNV	60	304	1
nonsynonymous_SNV	7	16	0
nonframeshift_deletion	11	64	1
nonsynonymous_SNV	56	256	4
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	71	373	3
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	18	48	0
nonsynonymous_SNV	20	50	0
nonsynonymous_SNV	14	41	0
nonsynonymous_SNV	146	688	30
nonsynonymous_SNV	99	335	6
nonsynonymous_SNV	97	335	6
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	69	257	4
nonsynonymous_SNV	10	48	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	92	401	7
nonsynonymous_SNV	5	36	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	143	545	283
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	15	32	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	102	436	6
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	156	614	19
nonsynonymous_SNV	2	6	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	217	954	104
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	68	269	4
nonsynonymous_SNV	11	45	0
nonsynonymous_SNV	183	819	205
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	22	84	1
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	90	365	12
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	193	765	30
nonsynonymous_SNV	94	384	12
nonsynonymous_SNV	25	108	1
nonsynonymous_SNV	12	36	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	201	870	64
stopgain	1	4	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	176	758	232
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	3	437
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	84	335	2
nonsynonymous_SNV	61	206	3
frameshift_deletion	61	204	3
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	210	903	65
nonsynonymous_SNV	75	355	7
nonsynonymous_SNV	2	31	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	3	7	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	49	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	55	272	2
nonsynonymous_SNV	55	273	3
nonsynonymous_SNV	16	49	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	4	0
frameshift_insertion	6	42	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	8	24	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	31	135	0
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	25	117	0
nonsynonymous_SNV	164	732	240
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	90	454	10
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	133	600	25
nonsynonymous_SNV	34	149	2
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	214	953	88
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	2	21	0

nonsynonymous_SNV	231	933	87
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	62	258	3
nonsynonymous_SNV	214	931	93
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	44	218	3
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	209	908	88
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	214	969	130
nonsynonymous_SNV	0	7	0
frameshift_deletion	72	326	5
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	173	856	52
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	11	38	0
nonsynonymous_SNV	31	149	1
nonsynonymous_SNV	13	79	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	12	74	0
nonsynonymous_SNV	18	131	419
nonsynonymous_SNV	104	503	13
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	35	201	1
nonsynonymous_SNV	2	13	434
nonframeshift_deletion	16	91	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	17	86	0
nonsynonymous_SNV	15	91	0
nonsynonymous_SNV	15	91	0
nonsynonymous_SNV	215	960	119
nonframeshift_insertion	15	92	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	9	26	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	36	164	1
nonsynonymous_SNV	131	526	13
nonsynonymous_SNV	2	7	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	175	717	230
nonsynonymous_SNV	184	771	211
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	9	26	0
nonsynonymous_SNV	176	795	32
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	9	17	0
nonsynonymous_SNV	169	708	33
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	95	497	12
nonsynonymous_SNV	62	309	5
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	7	54	0
nonsynonymous_SNV	50	278	2
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	15	59	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	1	35	0
nonsynonymous_SNV	175	896	62
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	163	664	252
nonsynonymous_SNV	239	971	105
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	112	563	11
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	196	849	198
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	9	47	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	37	177	4
nonsynonymous_SNV	4	38	0
nonsynonymous_SNV	191	853	54

nonsynonymous_SNV	139	627	21
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	141	671	20
nonsynonymous_SNV	206	948	105
nonsynonymous_SNV	223	985	111
nonsynonymous_SNV	91	365	10
nonsynonymous_SNV	36	145	0
nonsynonymous_SNV	217	921	81
stopgain	30	114	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	20	113	0
nonsynonymous_SNV	19	52	1
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	33	116	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	57	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	156	712	22
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	207	846	54
nonsynonymous_SNV	29	124	0
nonsynonymous_SNV	122	539	300
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	10	60	0
nonsynonymous_SNV	13	34	1
nonsynonymous_SNV	137	596	16
nonsynonymous_SNV	116	498	12
nonsynonymous_SNV	31	135	2
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	5	0
frameshift_deletion	156	713	24

nonsynonymous_SNV	156	713	24
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	10	45	0
nonsynonymous_SNV	10	45	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	198	931	75
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	203	899	152
nonsynonymous_SNV	32	164	2
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	219	894	65
nonsynonymous_SNV	229	932	95
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	17	68	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	164	728	238
nonsynonymous_SNV	223	960	79
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	199	891	179
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	227	943	79
stopgain	4	19	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	96	330	5
nonsynonymous_SNV	206	943	67
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	1	9	0
nonframeshift_deletion	5	10	0
nonsynonymous_SNV	201	956	113
nonsynonymous_SNV	21	131	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	174	785	56
nonsynonymous_SNV	117	565	302
stopgain	173	899	70
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	176	790	57

nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	144	678	17
nonsynonymous_SNV	161	736	24
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	107	443	306
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	19	75	2
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	181	870	206
nonframeshift_deletion	4	17	0
nonsynonymous_SNV	39	170	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	37	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	48	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	4	24	0
nonframeshift_deletion	4	22	0
stopgain	5	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	18	63	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	145	651	15
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	123	456	11
stopgain	1	8	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	222	943	67
nonsynonymous_SNV	92	395	8
nonsynonymous_SNV	125	518	298
nonsynonymous_SNV	195	918	157
nonsynonymous_SNV	119	507	302

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	15	59	0
nonsynonymous_SNV	54	216	382
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	129	577	14
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	124	524	298
nonsynonymous_SNV	18	113	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	124	523	298
nonsynonymous_SNV	124	524	298
nonsynonymous_SNV	124	523	298
nonsynonymous_SNV	13	94	0
nonsynonymous_SNV	73	317	6
nonframeshift_insertion	141	571	277
nonsynonymous_SNV	207	890	165
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	242	996	100
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	86	330	5
nonsynonymous_SNV	7	57	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	207	928	153
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	11	0
stopgain	1	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	9	0

nonsynonymous_SNV	103	424	8
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	15	78	1
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	113	463	12
nonsynonymous_SNV	221	954	150
nonsynonymous_SNV	159	736	249
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	16	85	0
frameshift_insertion	0	5	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	56	195	0
nonsynonymous_SNV	15	89	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	12	45	0
nonsynonymous_SNV	104	500	11
nonsynonymous_SNV	37	173	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	17	68	0
nonsynonymous_SNV	2	5	0
nonframeshift_deletion	3	11	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	75	292	3
nonsynonymous_SNV	6	44	1
nonsynonymous_SNV	118	515	304
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	63	261	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	117	524	16
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	18	68	0
nonsynonymous_SNV	79	366	8
nonsynonymous_SNV	21	73	1
nonsynonymous_SNV	126	588	20
nonsynonymous_SNV	1	7	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	57	247	2
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	8	21	1
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	105	417	10
nonsynonymous_SNV	104	414	9
nonsynonymous_SNV	106	424	9
nonsynonymous_SNV	17	54	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	10	44	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	10	46	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	94	441	7
nonsynonymous_SNV	27	163	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	57	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	88	388	3
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	27	74	1
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	193	883	187
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	29	96	0
nonsynonymous_SNV	2	16	0

nonsynonymous_SNV	121	535	5
nonsynonymous_SNV	117	526	5
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	21	85	0
nonsynonymous_SNV	60	240	6
nonsynonymous_SNV	12	48	0
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	187	871	195
nonsynonymous_SNV	16	60	1
nonsynonymous_SNV	1	3	435
nonsynonymous_SNV	92	408	4
nonsynonymous_SNV	219	949	119
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	26	152	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	8	13	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	137	574	17
nonframeshift_deletion	19	72	0
nonframeshift_deletion	19	72	0
frameshift_deletion	19	72	0
frameshift_deletion	19	71	0
frameshift_deletion	19	70	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	150	737	30
nonsynonymous_SNV	151	739	30
nonsynonymous_SNV	157	739	29
nonsynonymous_SNV	7	19	1
nonsynonymous_SNV	9	29	1
nonsynonymous_SNV	63	226	3
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	2	7	0
frameshift_deletion	6	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	25	137	0
nonsynonymous_SNV	83	405	5
nonsynonymous_SNV	8	49	0

nonsynonymous_SNV	82	406	5
nonsynonymous_SNV	13	48	0
nonsynonymous_SNV	81	405	5
nonsynonymous_SNV	106	405	5
nonsynonymous_SNV	36	205	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	2	15	0
frameshift_deletion	0	8	0
nonsynonymous_SNV	77	365	6
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	97	416	8
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	34	156	1
nonsynonymous_SNV	207	907	95
nonsynonymous_SNV	19	103	1
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	124	600	22
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	115	570	18
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	210	925	70
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	209	931	78
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	194	871	52
nonsynonymous_SNV	15	103	0
nonsynonymous_SNV	207	907	56
nonsynonymous_SNV	105	439	9
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	210	931	158
nonsynonymous_SNV	1	13	0

nonsynonymous_SNV	4	35	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	43	221	1
nonsynonymous_SNV	43	224	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	44	185	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	87	416	7
nonsynonymous_SNV	201	911	86
nonframeshift_deletion	0	9	0
nonsynonymous_SNV	1	9	0
frameshift_deletion	50	234	7
nonframeshift_deletion	50	234	7
nonsynonymous_SNV	180	812	40
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	40	172	0
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	29	125	1
nonsynonymous_SNV	1	8	0
frameshift_deletion	2	10	0
frameshift_deletion	2	10	0
frameshift_deletion	2	10	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	12	49	0
nonsynonymous_SNV	109	442	15
nonsynonymous_SNV	189	828	201
nonsynonymous_SNV	50	248	2
nonsynonymous_SNV	13	49	0
nonsynonymous_SNV	86	338	9
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	133	632	15
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	27	130	3
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	13	57	1
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	22	94	2
nonsynonymous_SNV	29	131	3
nonsynonymous_SNV	78	351	10

nonsynonymous_SNV	36	118	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	190	779	205
splicing	1	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	18	83	0
nonsynonymous_SNV	62	226	2
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	158	775	42
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	25	77	0
nonsynonymous_SNV	57	191	1
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	45	175	2
nonsynonymous_SNV	46	174	2
nonsynonymous_SNV	28	164	2
nonsynonymous_SNV	108	350	4
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	186	762	22
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	146	670	23
nonsynonymous_SNV	79	326	3
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	8	27	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	144	617	271
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	81	332	5
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	140	652	277
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	192	881	63

nonsynonymous_SNV	6	7	0
nonsynonymous_SNV	19	71	1
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	189	760	223
nonsynonymous_SNV	43	176	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	208	946	135
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	198	980	103
nonsynonymous_SNV	201	952	123
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	205	988	101
nonsynonymous_SNV	212	1006	118
nonsynonymous_SNV	68	358	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	38	170	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	31	173	1
nonsynonymous_SNV	83	397	11
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	26	85	0
nonsynonymous_SNV	134	586	16
nonsynonymous_SNV	76	390	3
nonsynonymous_SNV	48	184	0
nonsynonymous_SNV	13	63	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	11	46	1

nonsynonymous_SNV	35	235	401
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	189	774	31
nonsynonymous_SNV	112	515	12
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	20	115	3
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	76	309	8
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	14	48	0
nonsynonymous_SNV	13	49	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	18	64	0
nonsynonymous_SNV	37	124	0
nonsynonymous_SNV	12	44	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	12	66	0
nonsynonymous_SNV	12	43	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	17	78	1
nonsynonymous_SNV	15	83	0
nonsynonymous_SNV	80	358	3
nonsynonymous_SNV	144	570	18
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	7	33	1
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	11	55	0
stopgain	6	7	0
nonsynonymous_SNV	227	979	118

nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	121	591	18
nonsynonymous_SNV	138	665	25
nonsynonymous_SNV	21	107	0
nonsynonymous_SNV	12	44	0
nonsynonymous_SNV	221	947	121
nonsynonymous_SNV	161	746	43
nonsynonymous_SNV	1	28	0
nonsynonymous_SNV	179	793	225
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	23	105	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	83	312	6
nonsynonymous_SNV	21	77	1
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	51	192	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	8	59	1
nonsynonymous_SNV	7	56	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	30	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	104	479	16
nonsynonymous_SNV	22	88	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	132	592	292
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	104	478	16
nonsynonymous_SNV	0	5	0
stopgain	23	129	0
nonsynonymous_SNV	1	8	0
nonframeshift_deletion	59	258	1

nonsynonymous_SNV	7	48	0
nonsynonymous_SNV	12	37	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	88	391	13
nonsynonymous_SNV	26	108	0
nonsynonymous_SNV	0	5	0
frameshift_deletion	5	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	96	517	7
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	99	474	9
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	206	917	155
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	55	217	1
nonsynonymous_SNV	98	426	4
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	50	219	1
nonsynonymous_SNV	13	72	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	142	620	18
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	2	4	0

nonsynonymous_SNV	196	889	52
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	114	607	20
nonsynonymous_SNV	41	166	3
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	14	85	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	88	350	341
nonsynonymous_SNV	1	23	0
frameshift_deletion	0	8	0
nonsynonymous_SNV	147	650	18
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	127	512	301
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	7	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	18	0
nonsynonymous_SNV	6	56	431
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	17	50	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	61	303	375
nonsynonymous_SNV	171	696	28
nonsynonymous_SNV	26	103	0
nonsynonymous_SNV	28	117	0
nonsynonymous_SNV	174	697	23
nonsynonymous_SNV	39	140	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	172	764	35
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	160	700	30
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	19	70	0
nonsynonymous_SNV	215	969	135
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	233	927	129
nonsynonymous_SNV	216	955	67
nonsynonymous_SNV	23	119	0
nonsynonymous_SNV	99	424	4
nonsynonymous_SNV	69	294	4
nonsynonymous_SNV	143	579	17
stopgain	1	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	26	121	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	34	117	2
nonsynonymous_SNV	10	24	0
nonsynonymous_SNV	19	103	1
nonsynonymous_SNV	204	873	66
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	26	132	1
nonsynonymous_SNV	177	740	31
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	207	925	165
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	159	778	43
nonsynonymous_SNV	134	575	16
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	46	177	1
nonsynonymous_SNV	181	787	40
nonsynonymous_SNV	161	729	245
nonsynonymous_SNV	12	51	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	26	166	0

nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	117	603	10
nonsynonymous_SNV	40	219	0
nonframeshift_deletion	7	16	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	144	703	28
nonsynonymous_SNV	61	292	3
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	25	66	1
nonsynonymous_SNV	14	50	0
nonsynonymous_SNV	61	294	3
nonsynonymous_SNV	39	156	0
nonsynonymous_SNV	31	132	0
nonsynonymous_SNV	87	429	7
nonsynonymous_SNV	121	574	296
nonsynonymous_SNV	166	742	246
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	128	625	288
nonsynonymous_SNV	175	825	50
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	81	398	351
nonsynonymous_SNV	15	72	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	11	25	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	196	971	150
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	157	707	258
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	15	83	0

nonframeshift_deletion	0	22	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	15	79	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	47	214	6
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	68	285	5
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	211	916	173
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	5	0
frameshift_deletion	2	3	0
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	209	940	91
nonsynonymous_SNV	103	482	7
nonsynonymous_SNV	69	276	6
frameshift_deletion	1	6	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	132	622	21
nonsynonymous_SNV	43	230	0
nonsynonymous_SNV	54	228	1
nonsynonymous_SNV	130	468	8
nonsynonymous_SNV	203	881	55
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	119	509	304
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	170	718	243
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	199	788	35
nonsynonymous_SNV	71	426	5
nonsynonymous_SNV	24	75	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	160	701	22

nonsynonymous_SNV	77	256	3
nonsynonymous_SNV	183	884	42
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	53	1
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	184	971	101
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	2	5	0
frameshift_deletion	16	55	0
nonsynonymous_SNV	178	791	222
nonframeshift_deletion	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	187	867	191
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	10	66	0
nonsynonymous_SNV	201	926	58
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	11	49	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	19	51	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	72	366	3
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	67	356	5
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	7	0

nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	25	105	1
nonsynonymous_SNV	143	710	26
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	71	326	4
nonsynonymous_SNV	30	182	0
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	35	135	2
nonframeshift_deletion	4	10	0
frameshift_deletion	4	10	0
nonsynonymous_SNV	166	748	32
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	12	89	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	18	58	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	171	785	50
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	193	872	66
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	87	403	3
nonsynonymous_SNV	87	404	3
nonsynonymous_SNV	201	947	79
nonsynonymous_SNV	12	83	0
nonsynonymous_SNV	30	110	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	15	1
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	15	88	0
nonsynonymous_SNV	15	88	0
nonsynonymous_SNV	1	6	0
splicing	4	2	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	204	948	106
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	11	67	1
nonsynonymous_SNV	71	272	3
nonsynonymous_SNV	152	575	12
nonsynonymous_SNV	22	73	0
nonsynonymous_SNV	1	9	0

nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	66	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	10	44	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	19	64	0
nonsynonymous_SNV	22	115	0
nonsynonymous_SNV	52	223	4
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	70	302	3
nonsynonymous_SNV	190	899	171
nonsynonymous_SNV	5	41	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	176	857	212
nonsynonymous_SNV	25	90	0
nonsynonymous_SNV	127	537	13
nonsynonymous_SNV	14	31	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	7	14	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	176	774	33
nonsynonymous_SNV	161	701	247
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	105	525	14
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	26	105	2
nonsynonymous_SNV	120	575	12

stopgain	34	180	0
nonsynonymous_SNV	120	576	12
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	191	895	76
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	12	66	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	179	803	34
nonsynonymous_SNV	89	316	4
nonsynonymous_SNV	103	467	2
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	43	190	394
nonsynonymous_SNV	65	313	4
nonsynonymous_SNV	46	173	391
frameshift_insertion	1	11	0
splicing	115	543	7
frameshift_insertion	3	15	0
nonsynonymous_SNV	154	731	23
nonsynonymous_SNV	16	81	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	97	442	11
nonsynonymous_SNV	64	292	3
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	54	241	1
nonsynonymous_SNV	37	213	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	2	8	1
nonsynonymous_SNV	44	155	1
frameshift_deletion	1	5	0
nonsynonymous_SNV	4	44	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	11	42	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	14	29	0
nonsynonymous_SNV	4	14	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	123	611	15
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	183	744	29
nonsynonymous_SNV	219	916	141
nonsynonymous_SNV	3	10	0
frameshift_deletion	2	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	17	53	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	18	69	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	205	911	168
nonsynonymous_SNV	4	11	0
frameshift_deletion	1	11	0
frameshift_deletion	1	11	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	5	12	0
nonframeshift_deletion	9	50	0
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	18	96	0
nonsynonymous_SNV	4	16	0
splicing	3	13	0
frameshift_insertion	0	7	0
nonsynonymous_SNV	19	94	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	42	211	1
nonsynonymous_SNV	17	83	2
nonsynonymous_SNV	164	768	30
nonsynonymous_SNV	4	14	0
stopgain	1	7	0
frameshift_insertion	5	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	48	205	3
nonsynonymous_SNV	180	733	42

nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	10	35	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	135	675	17
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	84	314	2
splicing	9	39	0
nonsynonymous_SNV	2	4	0
stopgain	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	16	52	0
nonsynonymous_SNV	110	554	14
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	181	796	214
nonsynonymous_SNV	180	664	21
nonsynonymous_SNV	14	70	1
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	215	902	143
stopgain	3	14	0
nonframeshift_deletion	2	23	0
frameshift_deletion	2	23	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	155	699	30
nonsynonymous_SNV	118	521	10
nonsynonymous_SNV	15	47	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	108	511	5
nonsynonymous_SNV	148	651	269
nonsynonymous_SNV	3	31	0
stopgain	2	4	0
nonsynonymous_SNV	2	4	0

nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	165	718	248
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	80	313	3
nonsynonymous_SNV	218	938	162
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	11	24	0
nonsynonymous_SNV	76	361	1
nonsynonymous_SNV	217	957	58
nonsynonymous_SNV	45	174	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	113	453	11
nonsynonymous_SNV	30	116	0
nonsynonymous_SNV	34	121	2
nonsynonymous_SNV	205	925	71
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	15	66	0
nonsynonymous_SNV	9	59	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	56	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	215	926	56
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	17	89	0
nonsynonymous_SNV	17	89	0
nonsynonymous_SNV	178	768	27
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	24	0

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	6	434
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	3	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	143	593	13
nonsynonymous_SNV	226	903	130
nonsynonymous_SNV	77	338	6
nonsynonymous_SNV	24	76	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	8	40	1
nonsynonymous_SNV	47	141	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	12	38	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	173	767	231
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	1	5	0
nonframeshift_insertion	19	52	1
nonsynonymous_SNV	110	562	311
nonsynonymous_SNV	14	100	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	11	55	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	193	839	40
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	27	88	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	2	7	0
splicing	11	42	0
nonsynonymous_SNV	6	18	0

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	144	637	275
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	229	949	102
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	46	206	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	49	221	2
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	29	160	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	60	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	18	71	2
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	13	49	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	8	16	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	92	413	2
nonsynonymous_SNV	145	569	6
nonsynonymous_SNV	89	416	6
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	217	934	77
nonsynonymous_SNV	13	61	0
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	131	540	12
nonsynonymous_SNV	68	336	2
nonsynonymous_SNV	13	26	423
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	49	245	4
stopgain	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	8	11	0
nonsynonymous_SNV	86	425	5
nonsynonymous_SNV	192	876	72
nonsynonymous_SNV	192	875	72
nonsynonymous_SNV	60	227	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	22	80	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	164	714	25
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	8	18	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	210	859	59
nonsynonymous_SNV	152	682	261
nonsynonymous_SNV	143	619	13
nonsynonymous_SNV	12	70	0
nonsynonymous_SNV	107	494	4
nonsynonymous_SNV	212	864	59
nonsynonymous_SNV	4	8	0
splicing	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	13	0

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	78	358	6
nonsynonymous_SNV	42	195	2
nonsynonymous_SNV	48	219	2
nonsynonymous_SNV	70	306	4
nonsynonymous_SNV	114	498	11
nonsynonymous_SNV	6	6	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	182	814	51
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	5	4	0
nonframeshift_deletion	3	5	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	131	501	9
nonsynonymous_SNV	22	161	0
nonsynonymous_SNV	17	45	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	142	562	11
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	206	950	119
nonsynonymous_SNV	33	134	2
nonsynonymous_SNV	89	382	5
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	33	134	2
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	36	174	0
nonsynonymous_SNV	3	14	0
nonframeshift_deletion	3	5	0

nonsynonymous_SNV	9	34	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	78	358	1
nonsynonymous_SNV	11	25	0
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	46	210	1
nonsynonymous_SNV	46	208	2
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	202	948	58
nonsynonymous_SNV	11	56	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	23	105	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	174	847	50
nonsynonymous_SNV	8	30	429
nonsynonymous_SNV	210	964	80
nonsynonymous_SNV	8	31	429
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	9	37	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	21	84	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	180	800	212
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	212	893	70
nonsynonymous_SNV	15	64	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	183	818	212

nonsynonymous_SNV	183	816	212
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	3	436
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	89	379	9
nonsynonymous_SNV	187	879	61
stopgain	0	6	0
frameshift_deletion	0	6	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	11	61	0
nonsynonymous_SNV	26	145	1
nonsynonymous_SNV	170	747	31
nonsynonymous_SNV	26	145	1
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	36	138	1
nonsynonymous_SNV	201	877	60
nonsynonymous_SNV	35	152	0
nonsynonymous_SNV	27	161	2
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	0	5	0
frameshift_deletion	78	328	3
nonsynonymous_SNV	78	328	3
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	0	12	0
nonframeshift_deletion	68	326	2
nonsynonymous_SNV	12	68	0
nonsynonymous_SNV	205	774	34
nonsynonymous_SNV	61	236	3
nonsynonymous_SNV	208	853	53
nonsynonymous_SNV	20	73	0
nonsynonymous_SNV	17	52	417
nonsynonymous_SNV	20	43	0
nonsynonymous_SNV	48	276	5
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	12	81	0
nonsynonymous_SNV	220	976	119
nonsynonymous_SNV	231	958	94
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	86	388	11

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	157	606	15
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	119	583	17
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	11	59	0
nonsynonymous_SNV	18	80	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	23	88	1
nonsynonymous_SNV	42	128	0
nonsynonymous_SNV	37	224	2
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	2	33	0
nonsynonymous_SNV	10	33	0
nonsynonymous_SNV	95	451	7
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	196	972	82
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	25	118	0
stopgain	2	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	64	352	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	183	827	34
nonsynonymous_SNV	56	273	378
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	125	555	19
nonsynonymous_SNV	41	162	1
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	14	70	0

nonsynonymous_SNV	92	346	4
nonsynonymous_SNV	36	156	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	24	75	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	60	297	376
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	89	302	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	80	452	11
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	167	807	44
nonsynonymous_SNV	193	785	39
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	4	1
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	193	874	183
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	192	872	184
nonframeshift_deletion	34	143	0
nonsynonymous_SNV	96	476	8
nonsynonymous_SNV	96	476	8
nonsynonymous_SNV	4	26	0
nonframeshift_deletion	8	18	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	59	247	4

nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	216	881	65
nonsynonymous_SNV	53	228	3
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	115	641	303
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	226	939	134
stopgain	9	32	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	3	37	0
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	89	376	3
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	23	108	0
nonsynonymous_SNV	222	863	157
nonsynonymous_SNV	225	830	167
nonsynonymous_SNV	8	46	1
nonsynonymous_SNV	23	109	0
nonsynonymous_SNV	221	862	157
nonsynonymous_SNV	226	826	167
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	9	37	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	10	57	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	77	323	2
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	11	31	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	76	325	2
nonsynonymous_SNV	10	48	0
nonsynonymous_SNV	222	886	73
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	11	32	0
nonframeshift_deletion	0	25	0
nonsynonymous_SNV	26	153	2
nonsynonymous_SNV	2	4	0
nonframeshift_deletion	0	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	6	0

nonsynonymous_SNV	104	404	9
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	39	146	1
nonsynonymous_SNV	21	92	1
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	25	130	1
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	9	19	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	129	476	8
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	163	733	27
nonsynonymous_SNV	87	441	343
nonsynonymous_SNV	75	353	5
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	13	55	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	180	815	36
nonsynonymous_SNV	160	737	240
stopgain	3	9	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	27	124	0
nonsynonymous_SNV	139	550	285
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	22	92	0

nonsynonymous_SNV	14	63	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	15	86	0
nonframeshift_deletion	14	81	0
frameshift_deletion	14	81	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	14	51	1
nonsynonymous_SNV	128	498	11
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	24	70	0
nonsynonymous_SNV	24	70	0
nonsynonymous_SNV	151	660	18
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	6	43	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	110	474	319
nonsynonymous_SNV	18	70	0
nonsynonymous_SNV	19	74	0
nonsynonymous_SNV	37	160	400
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	24	111	2
nonsynonymous_SNV	54	286	6
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	25	136	1
nonsynonymous_SNV	41	161	2
nonsynonymous_SNV	15	64	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	28	118	2
nonsynonymous_SNV	1	3	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	210	862	39
nonsynonymous_SNV	150	679	15
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	114	558	12
nonsynonymous_SNV	171	768	231
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	10	65	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	24	56	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	227	935	94
nonsynonymous_SNV	227	935	95
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	30	153	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	58	260	2
nonsynonymous_SNV	169	797	51
nonsynonymous_SNV	9	54	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	14	91	1
nonsynonymous_SNV	23	74	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	47	180	1
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	14	57	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	190	847	200
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	41	187	1
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	192	851	200
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	192	852	200
nonsynonymous_SNV	16	59	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	13	58	0
nonsynonymous_SNV	13	58	0
nonsynonymous_SNV	13	58	0
nonsynonymous_SNV	19	87	0
nonsynonymous_SNV	187	861	203
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	14	50	0
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	195	888	189
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	12	62	0
nonsynonymous_SNV	13	52	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	34	167	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	114	534	9
nonsynonymous_SNV	136	549	282
nonsynonymous_SNV	121	517	9
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	179	818	51
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	10	37	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	19	41	0
nonsynonymous_SNV	6	8	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	8	44	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	57	234	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	12	33	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	115	475	9
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	6	39	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	28	132	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	68	288	4
nonsynonymous_SNV	36	147	2
nonsynonymous_SNV	21	98	2
nonsynonymous_SNV	36	147	2
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	66	308	3
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	62	297	3
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	2	5	0
nonframeshift_deletion	2	3	0
nonsynonymous_SNV	3	33	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	9	32	0
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	17	83	1
nonsynonymous_SNV	206	816	41
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	13	0

nonsynonymous_SNV	4	14	0
nonframeshift_deletion	0	18	0
nonsynonymous_SNV	30	137	1
nonsynonymous_SNV	40	194	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	63	299	2
nonsynonymous_SNV	5	19	1
nonsynonymous_SNV	178	856	40
nonsynonymous_SNV	36	179	0
nonsynonymous_SNV	16	109	1
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	52	237	2
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	87	365	347
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	174	781	36
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	29	129	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	25	108	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	7	0
frameshift_insertion	213	936	77
nonsynonymous_SNV	212	953	89
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	214	953	89
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	13	64	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	72	373	12
nonframeshift_deletion	0	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	216	892	165

nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	12	63	0
nonsynonymous_SNV	10	46	1
nonsynonymous_SNV	155	688	248
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	215	825	47
nonsynonymous_SNV	215	825	47
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	27	120	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	14	66	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	11	31	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	25	101	0
nonsynonymous_SNV	7	21	430
nonsynonymous_SNV	140	617	22
nonsynonymous_SNV	130	630	16
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	152	721	23
nonsynonymous_SNV	11	23	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	28	78	0
nonsynonymous_SNV	129	537	15
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	21	95	1
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	21	96	1
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	6	32	0
frameshift_insertion	6	34	0
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	15	65	0
nonsynonymous_SNV	135	549	9
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	43	232	0
nonsynonymous_SNV	141	567	9
stopgain	2	10	0
nonsynonymous_SNV	195	821	40
nonsynonymous_SNV	43	232	0
nonsynonymous_SNV	19	88	418
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	221	942	104
nonsynonymous_SNV	218	943	103
nonsynonymous_SNV	152	577	13
nonsynonymous_SNV	148	577	14
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	55	241	3
nonsynonymous_SNV	208	944	90
nonsynonymous_SNV	4	21	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	139	562	17
nonsynonymous_SNV	1	28	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	17	63	0
nonframeshift_deletion	5	37	0
nonsynonymous_SNV	136	657	26
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	16	0

nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	138	641	17
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	42	154	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	6	0
frameshift_deletion	0	8	0
nonsynonymous_SNV	9	40	1
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	93	459	337
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	186	805	35
nonsynonymous_SNV	8	39	0
frameshift_deletion	1	6	0
nonsynonymous_SNV	26	124	0
nonsynonymous_SNV	5	42	0
nonsynonymous_SNV	27	112	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	19	107	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	11	39	0
nonsynonymous_SNV	3	3	433
nonsynonymous_SNV	23	103	1
nonsynonymous_SNV	3	3	433
nonsynonymous_SNV	19	121	1
nonsynonymous_SNV	86	421	2
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	28	78	0
nonsynonymous_SNV	87	324	5
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	22	82	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	141	665	262
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	127	523	14
frameshift_deletion	4	8	0
nonsynonymous_SNV	216	944	91
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	216	945	91
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	56	230	4
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	221	950	91
nonsynonymous_SNV	121	483	10
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	76	357	6
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	193	928	161
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	55	256	2
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	31	166	2
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	205	897	181
nonsynonymous_SNV	215	958	123
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	41	200	2
nonsynonymous_SNV	12	33	425
nonsynonymous_SNV	56	272	1
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	139	602	15
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	42	167	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	195	853	60

nonsynonymous_SNV	21	81	0
nonsynonymous_SNV	191	853	60
nonsynonymous_SNV	196	848	47
nonsynonymous_SNV	196	848	47
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	65	290	3
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	161	663	252
nonsynonymous_SNV	71	436	10
nonframeshift_deletion	0	11	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	81	355	7
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	42	285	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	7	11	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	121	569	300
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	217	987	122
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	0	9	0
frameshift_deletion	2	15	0
nonsynonymous_SNV	1	9	0
nonframeshift_deletion	7	38	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	15	0

nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	2	434
nonsynonymous_SNV	165	730	26
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	0	18	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	27	83	1
nonsynonymous_SNV	161	736	31
nonsynonymous_SNV	184	805	34
frameshift_deletion	94	441	2
frameshift_deletion	3	4	0
nonframeshift_deletion	0	1	437
nonsynonymous_SNV	6	44	0
nonsynonymous_SNV	18	62	0
nonsynonymous_SNV	97	400	7
nonsynonymous_SNV	13	44	0
nonsynonymous_SNV	114	505	6
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	158	698	255
nonsynonymous_SNV	142	640	279
nonsynonymous_SNV	31	113	406
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	7	62	0
nonsynonymous_SNV	20	78	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	49	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	85	377	11
nonsynonymous_SNV	102	529	18
nonsynonymous_SNV	168	828	37
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	57	236	4

nonframeshift_deletion	180	773	220
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	77	368	8
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	83	378	7
nonsynonymous_SNV	104	417	5
nonsynonymous_SNV	38	130	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	7	47	0
nonsynonymous_SNV	2	7	434
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	121	507	16
nonsynonymous_SNV	119	500	17
nonsynonymous_SNV	123	506	16
nonsynonymous_SNV	148	702	31
nonsynonymous_SNV	60	277	6
nonsynonymous_SNV	77	338	6
nonsynonymous_SNV	214	968	118
nonsynonymous_SNV	34	116	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	16	77	0
nonsynonymous_SNV	10	51	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	24	94	2
nonsynonymous_SNV	1	5	0
frameshift_deletion	16	58	0
nonsynonymous_SNV	74	383	1
nonsynonymous_SNV	217	963	152
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	219	954	152
nonsynonymous_SNV	219	965	152
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	219	962	152

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	219	966	152
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	176	805	28
nonsynonymous_SNV	102	407	325
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	101	385	325
nonsynonymous_SNV	27	100	0
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	203	892	166
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	198	944	115
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	2	31	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	89	357	2
stopgain	0	9	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	10	82	0
nonsynonymous_SNV	9	56	0
splicing	0	5	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	15	50	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	14	79	0
nonsynonymous_SNV	205	935	59
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	16	64	1
nonsynonymous_SNV	53	268	3
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	24	128	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	103	402	3
nonsynonymous_SNV	8	36	0

nonsynonymous_SNV	24	129	1
nonsynonymous_SNV	213	963	141
nonsynonymous_SNV	8	37	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	161	646	261
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	160	648	261
nonsynonymous_SNV	7	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	215	906	142
nonsynonymous_SNV	203	880	181
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	106	451	5
nonsynonymous_SNV	39	141	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	10	43	0
nonsynonymous_SNV	85	435	8
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	56	309	4
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	96	436	8
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	96	436	8
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	226	974	119
nonsynonymous_SNV	219	977	120
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	39	0
nonsynonymous_SNV	9	17	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	8	0

nonsynonymous_SNV	202	924	53
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	1
nonsynonymous_SNV	111	415	317
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	5	24	1
nonsynonymous_SNV	20	85	0
nonsynonymous_SNV	118	617	12
nonsynonymous_SNV	117	489	4
nonsynonymous_SNV	56	261	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	12	62	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	12	62	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	16	105	2
nonsynonymous_SNV	0	11	0
splicing	22	115	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	213	999	112
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	87	448	13
nonsynonymous_SNV	29	178	407
nonsynonymous_SNV	38	179	4
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	32	0
stopgain	224	912	55
nonsynonymous_SNV	167	719	246
nonsynonymous_SNV	0	28	0
nonsynonymous_SNV	9	33	0
nonsynonymous_SNV	16	86	3
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	15	85	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	54	281	6
nonsynonymous_SNV	26	79	0
nonsynonymous_SNV	5	16	0
frameshift_deletion	3	43	0
nonframeshift_deletion	3	43	0
nonsynonymous_SNV	145	645	21
nonsynonymous_SNV	134	556	290
nonsynonymous_SNV	201	961	52
nonsynonymous_SNV	201	960	184
nonsynonymous_SNV	10	63	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	5	1
nonsynonymous_SNV	6	8	0
nonsynonymous_SNV	180	852	209
nonsynonymous_SNV	180	850	209
nonsynonymous_SNV	15	57	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	41	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	161	725	29
nonsynonymous_SNV	50	204	1
nonsynonymous_SNV	11	27	0
nonsynonymous_SNV	8	15	0
nonsynonymous_SNV	163	721	29
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	21	115	0
nonframeshift_deletion	17	76	0
nonsynonymous_SNV	124	527	299
nonsynonymous_SNV	228	945	116
nonsynonymous_SNV	181	875	69
nonsynonymous_SNV	24	125	0
nonsynonymous_SNV	107	399	5
nonframeshift_deletion	1	6	0
nonsynonymous_SNV	24	127	0
nonsynonymous_SNV	23	127	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	92	355	4
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	14	70	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	99	560	13
nonsynonymous_SNV	2	15	0
stopgain	3	22	0
nonsynonymous_SNV	27	118	1
nonsynonymous_SNV	119	479	6
nonsynonymous_SNV	24	71	1
stopgain	3	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	208	944	136
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	211	969	89
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	92	450	4
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	190	790	43
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	13	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	214	971	113
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	201	937	69
nonsynonymous_SNV	13	72	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	172	819	42
nonsynonymous_SNV	54	192	381
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	50	293	3
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	4	22	0

nonsynonymous_SNV	9	29	0
nonsynonymous_SNV	200	874	188
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	15	52	0
nonsynonymous_SNV	225	908	156
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	11	42	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	25	123	1
nonsynonymous_SNV	144	667	37
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	216	967	120
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	182	998	94
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	175	885	44
nonsynonymous_SNV	10	54	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	29	123	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	29	157	0
nonsynonymous_SNV	159	674	27
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	71	309	3
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	10	20	0
nonsynonymous_SNV	14	99	0
nonsynonymous_SNV	199	885	59
nonsynonymous_SNV	41	167	396
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	140	631	22
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	5	36	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	214	917	75
nonsynonymous_SNV	31	119	0
nonsynonymous_SNV	98	366	9
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	13	33	0
frameshift_deletion	2	5	0
nonsynonymous_SNV	38	122	397
nonsynonymous_SNV	10	30	426
nonsynonymous_SNV	17	63	0
nonsynonymous_SNV	174	722	231
nonsynonymous_SNV	182	763	211
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	220	921	114
nonsynonymous_SNV	194	921	110
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	202	976	144
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	13	56	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	14	63	0
nonsynonymous_SNV	151	690	25
splicing	12	54	0
nonsynonymous_SNV	3	2	434
nonsynonymous_SNV	68	314	4
nonsynonymous_SNV	80	352	352
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	19	97	2
nonsynonymous_SNV	22	102	1

nonsynonymous_SNV	227	993	117
nonsynonymous_SNV	28	210	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	27	210	0
nonsynonymous_SNV	7	42	0
nonsynonymous_SNV	43	211	1
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	84	496	6
nonsynonymous_SNV	29	167	1
nonsynonymous_SNV	136	595	280
nonsynonymous_SNV	136	595	280
nonsynonymous_SNV	28	212	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	184	862	196
nonsynonymous_SNV	182	854	200
nonsynonymous_SNV	151	762	33
nonsynonymous_SNV	14	57	0
nonsynonymous_SNV	169	754	31
nonsynonymous_SNV	7	17	0
nonsynonymous_SNV	219	958	79
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	114	494	9
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	19	94	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	29	129	408
nonsynonymous_SNV	10	27	0
nonsynonymous_SNV	4	12	1
nonsynonymous_SNV	92	414	14
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	42	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	83	371	8
nonsynonymous_SNV	3	12	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	46	155	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	86	343	4
nonsynonymous_SNV	25	108	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	12	72	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	79	349	5
nonsynonymous_SNV	16	86	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	43	181	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	58	285	2
nonsynonymous_SNV	8	58	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	111	577	14
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	25	83	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	24	68	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	205	897	67
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	181	780	202
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	9	0

nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	29	0
stopgain	4	6	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	117	399	9
nonsynonymous_SNV	14	37	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	21	101	0
stopgain	1	8	0
frameshift_deletion	21	92	1
nonsynonymous_SNV	82	392	4
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	18	59	0
nonsynonymous_SNV	4	8	0
frameshift_insertion	2	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	218	915	148
nonsynonymous_SNV	0	19	0
nonsynonymous_SNV	160	646	29
nonsynonymous_SNV	95	504	11
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	34	127	0
nonsynonymous_SNV	0	5	0
frameshift_insertion	3	31	0
nonsynonymous_SNV	121	591	306
nonsynonymous_SNV	196	867	61
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	51	0
nonsynonymous_SNV	213	907	66
nonsynonymous_SNV	84	342	349
nonsynonymous_SNV	28	90	0
stopgain	141	613	21
nonsynonymous_SNV	111	435	319
frameshift_deletion	2	12	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	208	890	60
nonsynonymous_SNV	2	9	0
splicing	1	14	0
nonsynonymous_SNV	10	52	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	24	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	217	882	169
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	35	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	220	1004	87
nonsynonymous_SNV	3	43	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	193	819	47
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	39	158	0
nonsynonymous_SNV	38	155	0
nonsynonymous_SNV	10	28	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	210	881	80
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	31	0
nonframeshift_insertion	7	29	0
nonsynonymous_SNV	21	102	0

nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	68	274	365
nonsynonymous_SNV	3	13	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	38	217	4
nonsynonymous_SNV	40	216	4
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	39	213	4
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	20	63	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	6	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	32	115	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	128	577	14
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	121	594	16
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	109	528	317
nonsynonymous_SNV	123	549	300
nonsynonymous_SNV	9	58	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	11	0
nonframeshift_insertion	2	7	0
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	200	841	187
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	2	5	0

nonsynonymous_SNV	92	397	7
nonsynonymous_SNV	5	42	0
nonsynonymous_SNV	17	82	1
nonsynonymous_SNV	31	133	0
nonsynonymous_SNV	176	761	46
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	30	105	1
nonsynonymous_SNV	101	430	6
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	97	426	9
nonsynonymous_SNV	38	51	0
nonsynonymous_SNV	9	49	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	96	469	9
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	24	105	0
nonsynonymous_SNV	180	805	225
nonsynonymous_SNV	138	549	290
nonsynonymous_SNV	160	721	257
nonsynonymous_SNV	194	879	46
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	15	42	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	9	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	10	19	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	174	857	47
nonsynonymous_SNV	199	877	65
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	19	119	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	115	461	311
nonsynonymous_SNV	174	887	49
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	4	0
nonsynonymous_SNV	8	50	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	25	145	0
nonsynonymous_SNV	6	47	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	112	462	7
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	12	29	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	34	182	0
nonsynonymous_SNV	8	40	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	16	46	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	42	124	394
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	16	86	1
nonsynonymous_SNV	5	20	0
nonframeshift_deletion	4	5	0
nonsynonymous_SNV	26	138	1
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	15	47	0
nonsynonymous_SNV	38	117	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	16	57	1
frameshift_deletion	1	6	0
nonsynonymous_SNV	12	52	1
nonsynonymous_SNV	117	559	13
nonsynonymous_SNV	1	16	0

nonsynonymous_SNV	16	63	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	27	94	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	223	943	104
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	12	31	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	23	111	2
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	129	539	298
nonsynonymous_SNV	6	13	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	64	302	6
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	203	838	43
nonsynonymous_SNV	225	924	104
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	224	924	106
nonsynonymous_SNV	129	543	298
nonsynonymous_SNV	129	543	298
nonsynonymous_SNV	186	915	92
nonsynonymous_SNV	8	16	0
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	124	541	295
nonsynonymous_SNV	23	126	0
nonsynonymous_SNV	37	182	2
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	123	585	300
nonsynonymous_SNV	14	62	1
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	32	144	2

nonsynonymous_SNV	9	13	0
nonsynonymous_SNV	13	44	0
nonsynonymous_SNV	16	79	0
nonsynonymous_SNV	77	399	7
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	18	65	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	39	148	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	94	480	12
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	186	789	30
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	162	723	26
nonsynonymous_SNV	163	722	26
nonsynonymous_SNV	43	295	1
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	214	931	79
nonsynonymous_SNV	213	946	105
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	184	784	33
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	182	786	40
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	183	824	51
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	19	136	2
nonsynonymous_SNV	203	925	89
nonsynonymous_SNV	8	52	0
nonsynonymous_SNV	124	538	17
nonsynonymous_SNV	122	527	13
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	95	438	7
nonsynonymous_SNV	16	68	0
nonsynonymous_SNV	3	6	0

nonframeshift_deletion	158	645	26
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	96	440	6
nonsynonymous_SNV	97	441	6
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	9	55	0
nonsynonymous_SNV	159	766	36
nonsynonymous_SNV	159	764	36
nonsynonymous_SNV	20	74	0
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	10	49	0
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	67	300	2
nonsynonymous_SNV	226	899	65
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	79	385	3
nonsynonymous_SNV	55	299	2
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	59	223	2
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	29	164	408
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	223	895	144
nonsynonymous_SNV	222	931	138
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	11	77	0
nonsynonymous_SNV	29	136	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	173	878	206
nonsynonymous_SNV	16	70	0
nonsynonymous_SNV	149	789	40
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	14	0

nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	7	47	0
nonframeshift_deletion	18	70	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	59	266	375
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	43	215	0
nonsynonymous_SNV	201	916	90
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	188	818	46
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	187	818	46
nonsynonymous_SNV	14	63	0
stopgain	1	5	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	229	1002	108
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	180	836	49
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	214	901	155
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	16	46	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	68	321	1
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	101	459	17
nonsynonymous_SNV	1	26	0
nonsynonymous_SNV	67	323	1
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	67	323	1
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	67	322	1
nonsynonymous_SNV	68	323	1
nonsynonymous_SNV	51	241	1
nonsynonymous_SNV	20	82	1
nonsynonymous_SNV	1	12	0

nonsynonymous_SNV	192	910	81
nonsynonymous_SNV	50	242	1
nonsynonymous_SNV	50	242	1
nonsynonymous_SNV	124	539	14
nonsynonymous_SNV	68	322	1
nonsynonymous_SNV	11	26	0
nonsynonymous_SNV	124	540	14
nonsynonymous_SNV	50	242	1
nonsynonymous_SNV	50	240	1
nonsynonymous_SNV	68	322	1
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	100	447	16
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	50	242	1
nonsynonymous_SNV	50	242	1
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	68	323	1
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	50	242	1
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	20	61	1
nonsynonymous_SNV	90	413	5
nonsynonymous_SNV	98	462	11
nonsynonymous_SNV	15	57	0
nonsynonymous_SNV	137	664	20
nonsynonymous_SNV	7	61	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	22	85	0
nonsynonymous_SNV	190	800	204
nonsynonymous_SNV	13	61	0
nonsynonymous_SNV	77	318	2
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	120	561	22
nonsynonymous_SNV	1	9	0
frameshift_insertion	4	15	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	90	298	345
nonsynonymous_SNV	54	180	381

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	168	641	254
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	107	495	319
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	107	527	318
nonsynonymous_SNV	176	765	224
nonsynonymous_SNV	73	299	4
nonsynonymous_SNV	93	336	5
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	120	523	9
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	135	616	13
nonsynonymous_SNV	242	973	76
nonsynonymous_SNV	242	966	110
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	26	127	1
nonsynonymous_SNV	10	34	0
splicing	82	380	11
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	29	178	2
nonsynonymous_SNV	92	404	6
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	215	937	110
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	214	884	65
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	163	620	26

nonsynonymous_SNV	7	6	0
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	58	0
nonsynonymous_SNV	36	163	1
nonsynonymous_SNV	9	35	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	61	280	2
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	10	32	0
nonsynonymous_SNV	207	885	177
nonsynonymous_SNV	128	463	4
nonsynonymous_SNV	9	20	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	205	867	43
nonsynonymous_SNV	204	864	43
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	206	886	178
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	57	230	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	62	283	4
nonsynonymous_SNV	16	47	0
nonsynonymous_SNV	111	424	3
nonsynonymous_SNV	27	136	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	2	436
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	223	949	127

nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	1	13	0
nonsynonymous_SNV	26	116	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	186	768	35
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	120	626	21
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	11	48	0
nonsynonymous_SNV	9	26	0
stopgain	30	90	0
nonsynonymous_SNV	35	113	2
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	0	0	437
frameshift_insertion	6	24	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	127	489	11
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	45	161	0
stopgain	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	34	131	2
nonsynonymous_SNV	9	53	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	206	927	95
nonsynonymous_SNV	170	697	27
nonsynonymous_SNV	12	47	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	162	783	39
nonsynonymous_SNV	160	782	40
nonsynonymous_SNV	41	175	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	209	935	74

nonsynonymous_SNV	169	780	233
nonsynonymous_SNV	142	621	16
frameshift_deletion	0	12	0
nonsynonymous_SNV	140	643	16
nonsynonymous_SNV	196	889	183
nonsynonymous_SNV	143	638	17
nonsynonymous_SNV	49	261	1
nonsynonymous_SNV	167	750	27
nonsynonymous_SNV	183	821	219
nonsynonymous_SNV	27	121	1
nonsynonymous_SNV	8	16	0
frameshift_deletion	1	7	0
nonsynonymous_SNV	29	138	0
nonsynonymous_SNV	217	974	108
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	50	188	2
nonsynonymous_SNV	13	57	0
nonsynonymous_SNV	52	272	2
nonsynonymous_SNV	91	360	4
nonsynonymous_SNV	9	32	0
nonsynonymous_SNV	78	338	8
nonsynonymous_SNV	208	948	158
nonsynonymous_SNV	9	51	0
nonsynonymous_SNV	13	76	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	196	879	78
stopgain	4	4	0
nonframeshift_deletion	175	794	32
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	13	50	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	46	173	0
nonsynonymous_SNV	168	754	31
nonsynonymous_SNV	16	59	0
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	51	216	0
nonsynonymous_SNV	4	49	0
nonsynonymous_SNV	12	45	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	32	197	3
nonsynonymous_SNV	177	847	38
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	31	197	3
nonsynonymous_SNV	34	170	1
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	6	7	0
nonsynonymous_SNV	85	374	5
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	47	224	1
nonsynonymous_SNV	165	718	22
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	220	938	144
nonframeshift_deletion	121	537	19
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	17	52	0
nonsynonymous_SNV	7	31	1
nonsynonymous_SNV	7	31	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	12	49	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	24	0
nonsynonymous_SNV	14	63	0
nonsynonymous_SNV	188	841	45
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	1	6	0

stopgain	2	7	0
nonsynonymous_SNV	5	23	1
nonsynonymous_SNV	209	903	184
nonsynonymous_SNV	178	810	227
nonsynonymous_SNV	4	36	0
nonsynonymous_SNV	172	792	235
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	172	809	227
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	9	23	0
nonsynonymous_SNV	18	68	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	18	41	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	16	66	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	13	115	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	52	252	1
nonsynonymous_SNV	131	584	19
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	8	32	1
nonsynonymous_SNV	43	177	1

nonsynonymous_SNV	220	933	107
nonsynonymous_SNV	32	182	405
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	29	97	2
nonsynonymous_SNV	125	589	293
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	6	6	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	126	538	302
frameshift_insertion	1	58	0
stopgain	3	45	0
stopgain	2	6	0
frameshift_insertion	2	7	0
stopgain	1	9	0
nonsynonymous_SNV	59	199	0
nonsynonymous_SNV	3	35	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	33	124	1
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	60	218	2
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	18	62	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	40	200	0
nonsynonymous_SNV	58	210	2
frameshift_deletion	0	21	0
nonframeshift_deletion	0	20	0
nonsynonymous_SNV	203	967	103
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	58	293	5
nonsynonymous_SNV	227	907	62
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	231	956	80

nonsynonymous_SNV	127	499	13
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	41	166	1
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	116	535	18
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	18	57	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	178	793	41
frameshift_deletion	36	168	2
frameshift_deletion	35	168	2
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	9	39	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	176	859	40
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	18	78	2
frameshift_deletion	9	39	1
nonsynonymous_SNV	13	84	1
nonsynonymous_SNV	87	384	11
nonsynonymous_SNV	29	96	0
nonsynonymous_SNV	108	519	13
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	222	918	70
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	134	748	28
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	31	141	1
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	87	418	7
nonsynonymous_SNV	8	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	212	843	185
nonsynonymous_SNV	14	66	1
nonsynonymous_SNV	58	261	1
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	41	166	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	19	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	34	184	1
nonsynonymous_SNV	205	884	71
frameshift_deletion	3	8	0
frameshift_deletion	3	8	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	15	432
nonsynonymous_SNV	125	596	15
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	165	725	246
nonsynonymous_SNV	5	46	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	65	208	370
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	2	19	434
nonsynonymous_SNV	167	727	30
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	17	0

nonsynonymous_SNV	82	350	6
nonsynonymous_SNV	44	164	0
nonsynonymous_SNV	216	936	161
nonsynonymous_SNV	222	951	62
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	144	601	273
nonsynonymous_SNV	95	470	10
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	23	69	0
nonsynonymous_SNV	23	105	0
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	138	679	31
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	77	360	7
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	77	375	7
nonsynonymous_SNV	8	8	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	81	264	2
nonsynonymous_SNV	10	55	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	15	65	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	7	0

nonsynonymous_SNV	88	345	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	28	102	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	143	732	36
nonsynonymous_SNV	18	59	1
nonsynonymous_SNV	18	59	1
stopgain	206	920	96
nonsynonymous_SNV	207	921	96
nonsynonymous_SNV	209	921	96
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	119	405	6
nonsynonymous_SNV	20	83	0
nonsynonymous_SNV	208	885	166
nonsynonymous_SNV	41	156	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	8	0
nonframeshift_insertion	16	85	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	4	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	136	659	268
nonsynonymous_SNV	38	176	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	7	17	0
nonsynonymous_SNV	23	128	0
nonsynonymous_SNV	103	596	12
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	12	50	0
nonsynonymous_SNV	4	32	0
nonsynonymous_SNV	8	14	0
nonsynonymous_SNV	25	119	0
nonsynonymous_SNV	196	745	38

nonsynonymous_SNV	1	1	436
nonsynonymous_SNV	28	129	1
nonsynonymous_SNV	7	8	0
nonsynonymous_SNV	1	28	0
nonsynonymous_SNV	27	109	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	11	35	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	109	488	14
nonsynonymous_SNV	97	430	331
nonsynonymous_SNV	109	485	14
nonsynonymous_SNV	107	481	14
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	48	167	2
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	14	62	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	1	5	0
frameshift_insertion	210	988	90
frameshift_insertion	210	988	90
frameshift_insertion	1	4	0
stopgain	166	817	210
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	170	816	212
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	102	447	325
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	158	666	29
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	155	660	27
nonsynonymous_SNV	79	304	6
nonsynonymous_SNV	2	9	0

nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	13	34	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	202	951	119
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	9	0
frameshift_deletion	8	32	0
nonsynonymous_SNV	203	952	118
nonsynonymous_SNV	203	951	118
nonsynonymous_SNV	203	951	118
nonsynonymous_SNV	17	57	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	29	109	1
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	2	3	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	17	114	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	10	49	0
nonsynonymous_SNV	40	170	2
nonsynonymous_SNV	65	261	4
nonsynonymous_SNV	0	6	0
nonframeshift_deletion	3	5	0
nonsynonymous_SNV	65	262	4
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	9	0

nonsynonymous_SNV	132	578	20
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	132	575	20
nonsynonymous_SNV	132	575	20
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	150	710	18
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	122	527	20
nonsynonymous_SNV	25	76	0
nonsynonymous_SNV	92	371	10
nonsynonymous_SNV	20	53	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	179	930	167
nonsynonymous_SNV	119	497	15
nonsynonymous_SNV	123	527	20
nonsynonymous_SNV	20	53	0
nonsynonymous_SNV	125	528	20
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	175	856	63
nonsynonymous_SNV	42	244	3
nonsynonymous_SNV	11	34	0
nonsynonymous_SNV	127	546	20
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	9	64	0
nonsynonymous_SNV	127	545	20
nonsynonymous_SNV	24	71	0
nonsynonymous_SNV	0	9	0
frameshift_insertion	2	10	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	7	0
stopgain	1	6	0
nonsynonymous_SNV	14	45	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	125	564	15
nonsynonymous_SNV	0	14	0
stopgain	8	39	0
nonsynonymous_SNV	24	84	413

nonsynonymous_SNV	40	187	3
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	8	51	0
nonsynonymous_SNV	106	459	12
nonsynonymous_SNV	16	89	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	29	113	0
nonsynonymous_SNV	29	113	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	18	73	0
nonsynonymous_SNV	78	336	3
nonsynonymous_SNV	107	457	11
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	18	73	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	28	174	1
nonsynonymous_SNV	210	924	72
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	41	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	131	578	12
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	7	47	1
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	14	44	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	14	84	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	31	103	0
nonsynonymous_SNV	96	459	7
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	29	181	1
nonsynonymous_SNV	5	39	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	5	0

nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	131	669	22
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	57	302	3
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	128	521	8
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	28	172	1
nonsynonymous_SNV	75	307	2
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	6	0
nonframeshift_deletion	2	33	0
nonsynonymous_SNV	3	17	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	14	84	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	145	608	15
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	197	961	77
nonsynonymous_SNV	125	621	14
nonsynonymous_SNV	139	623	12
nonsynonymous_SNV	15	93	0
nonsynonymous_SNV	17	84	0
nonframeshift_deletion	4	12	0
nonsynonymous_SNV	1	11	0
frameshift_deletion	4	12	0
nonsynonymous_SNV	61	249	2
nonsynonymous_SNV	7	17	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	111	432	6
nonsynonymous_SNV	16	78	0
nonsynonymous_SNV	1	13	0

nonsynonymous_SNV	8	45	0
nonsynonymous_SNV	51	222	1
nonsynonymous_SNV	71	277	4
nonsynonymous_SNV	183	864	45
nonframeshift_insertion	18	108	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	176	784	31
nonsynonymous_SNV	225	949	122
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	19	76	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	30	107	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	14	107	1
nonsynonymous_SNV	156	682	22
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	14	81	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	26	114	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	198	879	186
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	112	454	9
nonsynonymous_SNV	186	863	201
nonsynonymous_SNV	166	769	30
nonsynonymous_SNV	167	769	30
nonsynonymous_SNV	0	24	0
nonsynonymous_SNV	166	761	30
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	9	19	0
nonframeshift_deletion	3	12	0
nonframeshift_deletion	3	12	0
frameshift_deletion	3	12	0

frameshift_deletion	3	12	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	73	279	4
stopgain	1	6	0
nonsynonymous_SNV	15	33	0
nonsynonymous_SNV	3	32	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	9	51	0
nonsynonymous_SNV	92	361	6
nonsynonymous_SNV	222	910	130
nonsynonymous_SNV	26	101	1
nonsynonymous_SNV	224	917	98
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	228	911	98
nonsynonymous_SNV	231	921	100
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	86	394	8
nonsynonymous_SNV	230	920	101
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	9	12	0
nonsynonymous_SNV	220	926	150
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	63	302	6
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	24	113	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	150	767	34
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	203	906	156
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	18	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	9	54	0

nonsynonymous_SNV	30	169	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	123	580	15
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	205	889	52
nonsynonymous_SNV	48	182	0
nonsynonymous_SNV	75	285	3
nonsynonymous_SNV	236	948	94
nonsynonymous_SNV	76	284	3
nonsynonymous_SNV	110	468	13
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	36	151	2
nonsynonymous_SNV	69	284	2
nonsynonymous_SNV	19	127	2
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	18	104	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	17	86	1
nonsynonymous_SNV	8	41	429
nonsynonymous_SNV	120	419	10
frameshift_deletion	214	822	174
nonsynonymous_SNV	149	592	275
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	13	0
frameshift_deletion	0	7	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	12	51	0
nonsynonymous_SNV	101	336	8
nonsynonymous_SNV	8	40	0
nonsynonymous_SNV	48	230	2
nonsynonymous_SNV	140	569	288
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	9	48	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	9	0

nonsynonymous_SNV	21	98	1
nonsynonymous_SNV	9	46	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	0	3	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	0	13	0
nonframeshift_deletion	2	19	0
nonsynonymous_SNV	9	42	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	134	683	22
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	162	793	46
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	9	49	0
nonsynonymous_SNV	9	33	0
nonframeshift_insertion	0	4	1
nonsynonymous_SNV	19	55	418
nonsynonymous_SNV	46	198	6
nonsynonymous_SNV	15	76	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	35	169	0
nonsynonymous_SNV	1	6	0
nonframeshift_deletion	2	8	0
nonsynonymous_SNV	96	411	6
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	33	109	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	36	183	2
nonsynonymous_SNV	31	99	0
nonsynonymous_SNV	204	900	184
nonsynonymous_SNV	196	863	202
nonsynonymous_SNV	78	314	2
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	30	154	0
nonsynonymous_SNV	80	365	4
nonsynonymous_SNV	1	32	0

nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	0	9	0
nonframeshift_deletion	1	23	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	210	944	144
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	185	758	224
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	185	753	226
nonsynonymous_SNV	28	134	0
nonsynonymous_SNV	144	641	19
nonsynonymous_SNV	3	32	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	27	432
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	29	180	0
nonsynonymous_SNV	3	32	434
nonsynonymous_SNV	211	965	114
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	207	964	120
nonsynonymous_SNV	206	963	120
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	206	964	120
nonsynonymous_SNV	16	112	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	3	34	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	11	21	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	16	57	1
nonsynonymous_SNV	1	8	436
nonsynonymous_SNV	133	563	17
nonsynonymous_SNV	133	563	17

nonsynonymous_SNV	21	92	0
nonsynonymous_SNV	131	564	18
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	49	226	3
nonsynonymous_SNV	192	914	174
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	13	32	0
nonsynonymous_SNV	62	330	1
nonsynonymous_SNV	36	184	2
nonsynonymous_SNV	67	247	7
nonsynonymous_SNV	6	6	0
nonsynonymous_SNV	13	35	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	78	299	350
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	166	761	236
nonsynonymous_SNV	22	81	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	52	236	1
nonsynonymous_SNV	52	245	381
nonsynonymous_SNV	8	27	0
nonsynonymous_SNV	173	780	39
nonframeshift_deletion	154	593	22
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	100	500	325
nonsynonymous_SNV	2	5	0
nonframeshift_deletion	208	909	152
nonframeshift_insertion	169	681	34
nonsynonymous_SNV	13	44	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	128	550	291
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	103	448	14

nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	8	49	0
nonsynonymous_SNV	10	30	0
nonsynonymous_SNV	1	4	0
frameshift_insertion	0	0	437
nonsynonymous_SNV	3	31	0
nonsynonymous_SNV	149	703	30
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	146	604	18
nonsynonymous_SNV	93	448	12
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	11	49	0
nonsynonymous_SNV	214	895	56
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	14	115	0
nonsynonymous_SNV	8	12	0
nonsynonymous_SNV	101	441	9
frameshift_deletion	1	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	88	442	8
nonsynonymous_SNV	220	923	49
nonsynonymous_SNV	200	882	181
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	31	103	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	10	46	0
nonsynonymous_SNV	78	350	3
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	0	22	0
nonsynonymous_SNV	176	726	237
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	12	37	0
nonsynonymous_SNV	7	44	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	21	94	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	21	94	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	14	75	0
nonsynonymous_SNV	131	573	293
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	61	276	5
nonsynonymous_SNV	93	385	2
nonsynonymous_SNV	15	45	0
nonsynonymous_SNV	51	197	2
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	156	653	28
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	25	96	0
nonsynonymous_SNV	11	17	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	109	500	15
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	38	155	0
nonsynonymous_SNV	49	245	1
nonsynonymous_SNV	49	245	1
nonframeshift_deletion	103	685	16
nonsynonymous_SNV	201	964	135
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	129	558	12
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	8	45	0
nonsynonymous_SNV	228	968	103
nonsynonymous_SNV	81	373	348
nonsynonymous_SNV	2	6	0

nonsynonymous_SNV	5	32	0
splicing	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	13	25	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	16	59	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	19	1
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	230	944	120
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	232	938	108
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	60	315	2
nonsynonymous_SNV	74	333	3
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	174	726	27
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	25	78	0
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	26	135	1
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
splicing	3	3	0
splicing	1	5	0

nonframeshift_insertion	1	25	0
stopgain	1	11	0
nonframeshift_insertion	3	22	0
stopgain	0	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	33	143	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	27	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	19	93	1
nonsynonymous_SNV	117	484	11
nonsynonymous_SNV	57	254	3
nonsynonymous_SNV	3	33	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	17	79	0
nonsynonymous_SNV	17	78	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	41	180	5
nonsynonymous_SNV	10	74	0
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	3	5	0
frameshift_deletion	173	794	33
frameshift_deletion	172	791	33
frameshift_deletion	173	794	33
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	12	58	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	15	62	1
nonsynonymous_SNV	12	42	0
nonsynonymous_SNV	19	71	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	23	89	0
nonsynonymous_SNV	8	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	2	0

nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	46	176	1
nonsynonymous_SNV	118	580	16
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	9	69	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	153	684	33
nonsynonymous_SNV	165	725	229
nonsynonymous_SNV	177	800	30
nonsynonymous_SNV	79	377	5
nonsynonymous_SNV	21	92	1
nonsynonymous_SNV	96	453	8
nonsynonymous_SNV	21	92	1
nonsynonymous_SNV	26	82	1
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	3	3	0
nonframeshift_deletion	21	89	0
nonsynonymous_SNV	7	13	0
frameshift_deletion	21	87	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	34	115	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	207	930	161
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	14	43	0
nonsynonymous_SNV	23	99	0
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	5	25	0
nonframeshift_deletion	188	995	108
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	37	220	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	172	750	36
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	146	696	23
nonsynonymous_SNV	22	94	1

stopgain	1	5	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	197	960	124
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	37	182	3
splicing	4	20	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	66	334	2
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	204	845	42
nonsynonymous_SNV	203	849	191
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	36	121	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	12	57	0
nonsynonymous_SNV	143	673	20
nonsynonymous_SNV	151	673	21
stopgain	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	28	83	0
nonsynonymous_SNV	47	246	1
nonsynonymous_SNV	185	758	31
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	176	809	37
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	7	45	0
nonsynonymous_SNV	76	266	2
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	3	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	180	841	48
splicing	3	16	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	9	72	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	17	82	0
stopgain	1	4	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	199	948	123
stopgain	1	15	0
nonsynonymous_SNV	202	926	94
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	35	1
nonsynonymous_SNV	107	600	15
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	7	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	75	383	4
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	192	880	163
nonsynonymous_SNV	10	29	0
nonsynonymous_SNV	95	391	3

nonsynonymous_SNV	68	352	5
nonsynonymous_SNV	12	84	425
nonsynonymous_SNV	10	82	0
nonsynonymous_SNV	10	66	0
nonsynonymous_SNV	156	749	247
nonsynonymous_SNV	62	276	4
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	148	665	268
nonsynonymous_SNV	1	33	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	80	384	7
nonsynonymous_SNV	42	169	1
nonsynonymous_SNV	42	169	1
nonsynonymous_SNV	42	169	1
nonsynonymous_SNV	42	169	1
frameshift_deletion	11	46	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	28	94	1
nonsynonymous_SNV	232	927	119
nonsynonymous_SNV	4	32	0
nonsynonymous_SNV	164	779	39
nonsynonymous_SNV	11	45	0
nonsynonymous_SNV	26	115	3
nonsynonymous_SNV	35	186	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	64	339	367
nonsynonymous_SNV	55	276	4
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	62	313	4
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	6	43	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	181	809	53
nonsynonymous_SNV	32	130	1
nonsynonymous_SNV	13	50	1

nonsynonymous_SNV	150	639	263
nonsynonymous_SNV	37	119	0
nonsynonymous_SNV	16	71	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	205	794	193
nonsynonymous_SNV	194	839	199
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	86	388	2
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	116	542	9
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	184	818	39
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	190	821	38
nonsynonymous_SNV	170	730	28
nonsynonymous_SNV	17	124	0
nonsynonymous_SNV	26	92	2
nonsynonymous_SNV	8	27	0
nonsynonymous_SNV	140	560	16
nonsynonymous_SNV	153	691	25
nonsynonymous_SNV	48	218	3
nonsynonymous_SNV	23	99	2
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	192	919	72
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	11	52	0
nonsynonymous_SNV	103	371	5
nonsynonymous_SNV	0	5	0
nonframeshift_insertion	1	5	0
nonframeshift_insertion	1	5	0
nonsynonymous_SNV	184	859	179
nonsynonymous_SNV	103	580	15
nonsynonymous_SNV	16	79	0
nonsynonymous_SNV	148	784	29
nonsynonymous_SNV	57	191	2
nonsynonymous_SNV	95	465	13
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	1	7	0
stopgain	0	6	0

nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	8	56	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	2	27	0
nonsynonymous_SNV	6	38	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	4	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	29	157	0
nonsynonymous_SNV	4	55	0
nonsynonymous_SNV	105	466	9
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	15	46	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	19	1
nonsynonymous_SNV	5	46	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	3	4	434
nonsynonymous_SNV	26	80	1
nonsynonymous_SNV	13	34	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	16	73	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	54	252	4
nonsynonymous_SNV	9	53	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	17	50	420
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	12	60	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	16	0

nonsynonymous_SNV	27	114	2
nonsynonymous_SNV	198	882	58
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	198	881	58
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	33	175	3
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	203	882	59
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	83	385	6
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	32	191	3
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	132	673	16
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	49	202	4
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	93	481	6
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	30	141	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	20	74	0
nonsynonymous_SNV	20	89	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	217	953	90
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	198	885	85
nonsynonymous_SNV	154	622	22
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	14	0

nonsynonymous_SNV	15	60	0
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	3	43	0
nonsynonymous_SNV	161	763	26
nonsynonymous_SNV	163	775	26
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	58	315	4
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	13	38	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	17	114	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	30	126	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	26	79	0
nonsynonymous_SNV	28	111	0
nonsynonymous_SNV	34	160	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	24	97	2
nonsynonymous_SNV	4	40	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	11	39	0
nonsynonymous_SNV	44	162	0
nonsynonymous_SNV	14	34	1
nonframeshift_deletion	2	17	0
nonframeshift_deletion	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	32	100	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	20	82	1
nonsynonymous_SNV	197	844	187

nonsynonymous_SNV	27	167	0
nonsynonymous_SNV	2	30	0
nonsynonymous_SNV	25	139	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	23	49	1
nonsynonymous_SNV	4	13	0
frameshift_deletion	6	16	0
nonsynonymous_SNV	16	59	421
nonsynonymous_SNV	5	40	0
nonsynonymous_SNV	89	454	8
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	188	847	44
nonsynonymous_SNV	48	195	3
nonsynonymous_SNV	23	78	2
nonsynonymous_SNV	196	834	43
nonsynonymous_SNV	14	105	1
nonsynonymous_SNV	8	19	2
nonsynonymous_SNV	96	436	6
nonsynonymous_SNV	15	51	0
nonsynonymous_SNV	15	51	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	18	53	0
nonsynonymous_SNV	79	342	356
nonsynonymous_SNV	0	20	0
nonsynonymous_SNV	32	158	1
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	29	120	1
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	140	613	15
nonsynonymous_SNV	12	46	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	101	487	9
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	7	17	0
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	219	963	70
stopgain	10	39	0
nonsynonymous_SNV	215	959	140
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	112	432	12
nonsynonymous_SNV	67	305	3
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	5	35	0
stopgain	1	12	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	27	113	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
stopgain	2	6	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	115	487	13
nonsynonymous_SNV	11	69	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	186	886	63
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	59	239	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	31	0
frameshift_deletion	1	6	0
nonframeshift_deletion	5	25	0
nonframeshift_insertion	2	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	75	321	4
nonsynonymous_SNV	58	298	1
nonsynonymous_SNV	79	401	5

nonsynonymous_SNV	9	20	0
nonsynonymous_SNV	61	199	1
nonsynonymous_SNV	19	63	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	24	90	0
nonsynonymous_SNV	119	509	9
nonsynonymous_SNV	82	397	6
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	20	73	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	57	284	2
nonsynonymous_SNV	58	289	3
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	216	929	110
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	58	288	3
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	36	197	1
nonframeshift_deletion	2	5	0
nonsynonymous_SNV	94	399	5
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	18	79	1
nonsynonymous_SNV	21	81	1
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	117	518	10
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	30	111	0
nonsynonymous_SNV	0	4	0
nonsynonymous_SNV	19	57	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	73	331	2
nonsynonymous_SNV	46	218	2
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	7	17	0
nonsynonymous_SNV	46	216	2
nonsynonymous_SNV	25	88	0
nonsynonymous_SNV	53	273	2
nonsynonymous_SNV	1	33	0
nonsynonymous_SNV	21	77	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	8	0

nonsynonymous_SNV	27	81	0
nonsynonymous_SNV	45	215	2
nonsynonymous_SNV	11	30	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	144	652	16
nonsynonymous_SNV	44	180	4
nonsynonymous_SNV	37	164	0
nonsynonymous_SNV	4	36	0
nonsynonymous_SNV	93	448	338
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	10	54	0
nonsynonymous_SNV	34	161	3
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	34	161	3
nonsynonymous_SNV	182	843	39
nonsynonymous_SNV	98	440	6
frameshift_deletion	2	30	0
nonsynonymous_SNV	203	935	56
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	98	455	6
nonsynonymous_SNV	56	274	3
nonsynonymous_SNV	36	171	0
nonframeshift_insertion	0	5	0
nonsynonymous_SNV	182	819	31
nonsynonymous_SNV	182	819	31
nonframeshift_deletion	2	8	0
nonsynonymous_SNV	184	824	31
nonsynonymous_SNV	184	824	31
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	57	275	3
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	56	275	1
splicing	91	336	337
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	67	335	5
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	198	954	100
nonsynonymous_SNV	3	9	0
frameshift_insertion	3	2	0
nonsynonymous_SNV	15	68	0
nonsynonymous_SNV	198	954	87
nonsynonymous_SNV	3	9	0

nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	8	9	0
nonsynonymous_SNV	192	959	158
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	57	328	4
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	17	72	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	57	199	0
nonsynonymous_SNV	201	874	64
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	44	182	1
nonsynonymous_SNV	125	556	13
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	99	385	8
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	15	47	0
nonsynonymous_SNV	46	171	2
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	118	503	10
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	23	99	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	23	95	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	85	403	349
nonsynonymous_SNV	14	44	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	42	201	2
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	3	8	0

nonsynonymous_SNV	123	576	301
nonsynonymous_SNV	178	897	77
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	12	67	1
nonsynonymous_SNV	199	828	39
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	14	53	0
nonsynonymous_SNV	6	46	1
nonsynonymous_SNV	205	869	46
nonsynonymous_SNV	90	462	16
nonsynonymous_SNV	90	462	16
nonsynonymous_SNV	0	5	0
stopgain	0	7	0
nonsynonymous_SNV	9	51	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	53	261	3
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	10	45	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	53	240	1
nonsynonymous_SNV	207	951	90
stopgain	10	66	0
nonsynonymous_SNV	176	788	24
nonsynonymous_SNV	216	940	155
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	227	988	116
nonsynonymous_SNV	34	133	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	24	80	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	10	60	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	40	162	2

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	143	559	12
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	50	237	4
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	21	102	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	162	737	30
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	19	92	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	199	946	94
nonsynonymous_SNV	40	151	0
nonsynonymous_SNV	120	520	9
nonsynonymous_SNV	115	518	10
nonsynonymous_SNV	26	138	1
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	101	449	9
nonsynonymous_SNV	26	116	0
nonsynonymous_SNV	15	95	1
nonsynonymous_SNV	201	937	77
nonsynonymous_SNV	98	445	9
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	11	53	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	6	25	0

nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	8	17	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	100	457	13
nonsynonymous_SNV	127	539	11
stopgain	1	5	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	180	817	41
nonsynonymous_SNV	209	950	124
nonsynonymous_SNV	12	67	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	28	0
nonframeshift_deletion	6	19	0
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	234	971	102
stopgain	3	11	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	227	969	103
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	19	0
nonsynonymous_SNV	205	905	53
nonsynonymous_SNV	31	118	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	80	305	2
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	100	402	7

nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	7	31	0
nonsynonymous_SNV	127	613	10
stopgain	4	8	0
nonsynonymous_SNV	3	11	0
nonframeshift_deletion	3	11	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	31	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	177	783	45
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	81	416	10
nonsynonymous_SNV	81	417	10
nonsynonymous_SNV	81	417	10
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	131	644	283
nonsynonymous_SNV	130	640	283
nonsynonymous_SNV	69	249	3
nonsynonymous_SNV	8	49	0
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	2	36	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	4	0
nonframeshift_insertion	205	922	120
nonsynonymous_SNV	4	8	0
frameshift_insertion	8	70	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	16	0

nonsynonymous_SNV	89	357	6
nonsynonymous_SNV	89	358	6
nonsynonymous_SNV	213	921	133
nonsynonymous_SNV	11	49	1
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	41	0
nonsynonymous_SNV	67	315	5
nonframeshift_deletion	1	12	0
frameshift_deletion	1	10	0
nonsynonymous_SNV	9	55	0
nonsynonymous_SNV	6	48	0
nonsynonymous_SNV	52	186	1
nonframeshift_deletion	0	35	0
nonsynonymous_SNV	64	292	3
nonsynonymous_SNV	9	64	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	19	150	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	206	892	66
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	99	360	332
nonsynonymous_SNV	160	623	252
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	8	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	13	56	424
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	31	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	165	751	29
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	156	761	30
nonsynonymous_SNV	17	113	1
nonsynonymous_SNV	47	204	2
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	2	12	0
nonframeshift_deletion	3	6	0
nonsynonymous_SNV	15	112	1

nonsynonymous_SNV	100	421	6
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	7	49	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	4	43	0
nonsynonymous_SNV	1	6	0
nonframeshift_deletion	2	22	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	34	132	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	14	75	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	48	263	4
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	14	84	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	41	0
nonsynonymous_SNV	11	30	0
nonframeshift_deletion	28	148	1
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	133	598	21
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	177	853	51
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	229	940	137
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	1	437
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	166	758	30

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	36	191	2
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	0	6	0
nonframeshift_deletion	5	32	0
nonsynonymous_SNV	40	157	1
nonsynonymous_SNV	60	277	3
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	22	111	1
nonsynonymous_SNV	33	113	1
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	43	234	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	38	193	4
nonsynonymous_SNV	9	51	0
nonsynonymous_SNV	53	210	3
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	30	120	4
nonsynonymous_SNV	14	59	0
nonsynonymous_SNV	14	59	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	73	334	2
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	151	637	22
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	19	87	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	27	134	1
nonsynonymous_SNV	27	133	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	126	512	16
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	33	144	1
nonsynonymous_SNV	140	609	274
nonsynonymous_SNV	32	144	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	6	0

nonsynonymous_SNV	24	126	411
nonsynonymous_SNV	180	816	34
nonsynonymous_SNV	0	6	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	17	66	1
nonsynonymous_SNV	14	37	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	15	89	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	223	940	123
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	42	178	0
nonsynonymous_SNV	217	948	125
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	33	0
nonsynonymous_SNV	161	711	29
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	23	53	1
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	169	684	32
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	137	654	32
nonsynonymous_SNV	49	228	2
nonsynonymous_SNV	45	160	1
nonsynonymous_SNV	154	642	267
nonsynonymous_SNV	3	7	0
nonframeshift_deletion	22	107	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	16	43	0
nonsynonymous_SNV	157	655	262
nonsynonymous_SNV	35	167	1
nonsynonymous_SNV	171	716	35
nonsynonymous_SNV	4	17	0

nonsynonymous_SNV	11	62	0
nonsynonymous_SNV	80	373	12
nonsynonymous_SNV	221	919	74
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	36	145	3
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	42	118	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	14	25	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	14	25	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	29	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	186	901	193
nonsynonymous_SNV	10	62	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	182	900	58
nonsynonymous_SNV	187	910	192
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	14	63	0
nonsynonymous_SNV	89	418	341
nonsynonymous_SNV	196	852	61
nonsynonymous_SNV	84	393	5
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	197	856	63
nonsynonymous_SNV	201	910	69
nonsynonymous_SNV	178	833	54
nonsynonymous_SNV	113	577	18
nonsynonymous_SNV	166	837	55
nonsynonymous_SNV	193	895	195
nonsynonymous_SNV	16	90	0
nonsynonymous_SNV	16	74	0

nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	217	953	83
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	204	865	191
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	66	317	5
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	214	930	133
nonsynonymous_SNV	13	66	0
nonsynonymous_SNV	18	117	0
nonsynonymous_SNV	205	947	132
nonsynonymous_SNV	23	91	2
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	11	38	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	15	56	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	209	971	124
nonsynonymous_SNV	49	220	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	38	198	0
nonsynonymous_SNV	40	175	1
nonsynonymous_SNV	79	333	4
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	117	382	7
nonsynonymous_SNV	43	210	1
nonsynonymous_SNV	5	21	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	23	128	0
nonsynonymous_SNV	76	332	7
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	11	72	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	209	929	156
nonsynonymous_SNV	32	161	2
nonsynonymous_SNV	33	166	402
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	75	298	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	12	0
stopgain	19	117	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	67	308	5
nonsynonymous_SNV	179	713	34
nonsynonymous_SNV	57	226	375
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	95	363	3
nonsynonymous_SNV	200	878	185
nonsynonymous_SNV	88	375	7
nonsynonymous_SNV	123	590	16
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	15	34	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	134	566	9
nonsynonymous_SNV	134	563	9
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	135	606	280
nonsynonymous_SNV	16	87	0
nonsynonymous_SNV	206	913	68
nonsynonymous_SNV	14	83	0
nonsynonymous_SNV	15	83	0
nonsynonymous_SNV	16	86	0
frameshift_insertion	1	11	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	45	191	1
nonsynonymous_SNV	11	32	0

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	12	66	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	43	280	2
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	167	730	29
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	43	206	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	178	732	231
nonsynonymous_SNV	27	154	1
nonsynonymous_SNV	11	65	0
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	200	949	76
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	25	155	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	203	943	86
nonsynonymous_SNV	8	16	0
nonsynonymous_SNV	11	19	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	29	124	1
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	28	160	1
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	156	660	20
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	59	261	1
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	96	492	11

nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	59	261	1
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	23	71	3
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	13	62	0
nonsynonymous_SNV	9	47	0
nonsynonymous_SNV	26	110	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	6	39	0
nonsynonymous_SNV	72	256	3
nonsynonymous_SNV	195	889	60
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	153	798	41
nonsynonymous_SNV	94	437	8
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	32	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	92	436	9
nonsynonymous_SNV	92	435	9
nonsynonymous_SNV	94	436	7
nonsynonymous_SNV	180	807	175
nonsynonymous_SNV	93	437	7
nonsynonymous_SNV	93	434	8
nonsynonymous_SNV	107	436	7
nonsynonymous_SNV	198	895	164
nonsynonymous_SNV	0	5	0
splicing	2	6	0
nonsynonymous_SNV	147	652	17
nonsynonymous_SNV	48	261	0
nonsynonymous_SNV	124	560	10
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	151	656	20
nonsynonymous_SNV	12	33	0
nonsynonymous_SNV	212	935	73
frameshift_deletion	0	5	0

nonsynonymous_SNV	84	339	4
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	10	53	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	203	911	64
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	212	978	106
nonsynonymous_SNV	106	537	8
nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	60	272	5
nonframeshift_insertion	35	167	1
nonsynonymous_SNV	192	945	105
nonframeshift_deletion	25	111	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	39	238	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	4	0
stopgain	67	304	3
nonsynonymous_SNV	88	352	3
nonsynonymous_SNV	92	457	3
nonsynonymous_SNV	204	922	125
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	205	942	126
nonsynonymous_SNV	205	939	126
nonsynonymous_SNV	211	886	147
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	18	82	0
nonsynonymous_SNV	116	531	300
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	1	31	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	3	17	0

nonsynonymous_SNV	2	35	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	210	931	122
nonsynonymous_SNV	1	6	1
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	215	866	47
nonsynonymous_SNV	23	85	1
nonsynonymous_SNV	213	864	47
nonsynonymous_SNV	21	70	0
nonsynonymous_SNV	208	953	97
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	151	669	264
nonsynonymous_SNV	11	48	0
nonsynonymous_SNV	7	45	0
nonsynonymous_SNV	37	175	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	178	813	29
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	26	120	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	205	908	55
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	207	910	54
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	11	58	0
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	161	760	28
nonsynonymous_SNV	132	528	8

nonsynonymous_SNV	106	505	11
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	214	890	70
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	10	40	0
nonsynonymous_SNV	34	173	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	188	841	34
nonsynonymous_SNV	71	365	5
nonsynonymous_SNV	45	193	390
nonsynonymous_SNV	207	788	41
nonsynonymous_SNV	136	574	15
nonsynonymous_SNV	138	653	276
nonsynonymous_SNV	13	43	1
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	18	55	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	141	647	17
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	115	498	12
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	9	22	0
nonsynonymous_SNV	93	390	8
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	13	77	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	155	734	34
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
splicing	8	19	0
nonsynonymous_SNV	12	83	0
nonsynonymous_SNV	81	383	344

nonsynonymous_SNV	11	27	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	18	55	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	10	44	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	172	817	229
nonsynonymous_SNV	54	225	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	24	102	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	77	312	4
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	214	933	107
nonsynonymous_SNV	84	348	7
nonsynonymous_SNV	11	22	0
nonsynonymous_SNV	212	932	107
nonsynonymous_SNV	41	158	2
nonsynonymous_SNV	73	305	3
nonsynonymous_SNV	211	912	130
frameshift_deletion	1	4	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	18	73	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	87	369	7
nonsynonymous_SNV	26	105	1
nonsynonymous_SNV	87	369	7
nonsynonymous_SNV	43	135	2
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	17	90	1
nonsynonymous_SNV	32	163	4

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	34	151	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	43	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	1	5	0
nonframeshift_deletion	3	15	0
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	2	6	0
splicing	202	875	187
nonsynonymous_SNV	177	870	59
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	164	755	34
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	26	94	0
nonsynonymous_SNV	133	497	298
nonsynonymous_SNV	37	148	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	23	97	1
nonsynonymous_SNV	14	33	0
nonframeshift_deletion	2	13	0
nonframeshift_deletion	4	17	0
nonsynonymous_SNV	118	448	5
nonsynonymous_SNV	27	134	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	212	921	105
nonsynonymous_SNV	118	449	5
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	213	925	98
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	3	11	0

nonsynonymous_SNV	138	531	289
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	124	552	16
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	5	0
nonframeshift_deletion	5	5	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	1	9	0
stopgain	10	22	0
nonsynonymous_SNV	0	21	0
nonsynonymous_SNV	24	102	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	27	114	0
nonsynonymous_SNV	27	114	0
nonsynonymous_SNV	81	371	3
nonsynonymous_SNV	62	294	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	5	434
nonsynonymous_SNV	38	133	2
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	192	879	62
nonsynonymous_SNV	199	888	57
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	28	148	0
nonsynonymous_SNV	17	89	0
nonsynonymous_SNV	12	60	0
nonsynonymous_SNV	26	151	0
nonsynonymous_SNV	221	908	91
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	163	695	252
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	24	149	1

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	3	437
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	108	535	311
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	173	784	42
nonsynonymous_SNV	3	22	0
nonframeshift_deletion	0	10	0
stopgain	1	9	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	192	864	56
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	10	0
splicing	16	73	0
stopgain	1	5	0
nonsynonymous_SNV	177	767	47
nonsynonymous_SNV	17	58	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	104	470	8
nonsynonymous_SNV	39	177	0
nonsynonymous_SNV	214	948	144
nonsynonymous_SNV	41	178	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	212	931	93
nonsynonymous_SNV	26	82	0
nonsynonymous_SNV	4	43	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	11	35	0
nonsynonymous_SNV	26	105	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	19	121	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	115	573	19
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	19	73	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	163	762	42
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	163	716	35

nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	9	19	0
nonsynonymous_SNV	55	236	381
nonsynonymous_SNV	48	209	4
nonsynonymous_SNV	170	826	54
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	43	173	2
splicing	3	23	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	8	0
nonsynonymous_SNV	121	569	12
nonframeshift_deletion	0	18	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	36	134	1
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	19	97	2
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	97	403	6
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	28	124	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	195	950	94
nonsynonymous_SNV	198	938	98
nonsynonymous_SNV	179	859	64
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	24	63	1
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	10	70	0
nonsynonymous_SNV	7	29	0

nonsynonymous_SNV	199	912	80
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	123	680	26
nonsynonymous_SNV	48	194	1
nonsynonymous_SNV	15	32	0
nonsynonymous_SNV	15	32	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	31	127	1
nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	60	266	4
nonsynonymous_SNV	22	91	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	98	444	6
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	174	710	17
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	77	305	1
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	148	683	22
nonframeshift_insertion	3	3	0
nonsynonymous_SNV	39	137	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	10	61	0
nonsynonymous_SNV	16	91	1
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	0	5	0
stopgain	21	103	0
nonsynonymous_SNV	21	103	0
frameshift_insertion	0	5	0
nonsynonymous_SNV	116	473	7
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	58	245	5
nonframeshift_deletion	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	150	674	268
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	51	223	1
nonframeshift_insertion	1	8	0
nonsynonymous_SNV	62	277	3
nonsynonymous_SNV	10	51	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	170	785	35
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	7	42	0
nonsynonymous_SNV	157	743	38
nonsynonymous_SNV	167	826	235
nonsynonymous_SNV	7	46	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	203	917	171
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	64	232	3
nonsynonymous_SNV	164	673	23
nonsynonymous_SNV	9	37	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	47	0
nonsynonymous_SNV	206	932	83
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	88	394	3
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	215	914	63
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	210	865	172
nonsynonymous_SNV	92	434	12
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	7	12	0
nonsynonymous_SNV	13	45	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	211	826	36
nonsynonymous_SNV	63	230	3
nonsynonymous_SNV	29	151	1
nonsynonymous_SNV	53	280	5
nonsynonymous_SNV	14	34	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	92	404	15
nonsynonymous_SNV	13	86	0
nonsynonymous_SNV	23	49	0
nonsynonymous_SNV	118	623	18
nonsynonymous_SNV	43	180	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	20	60	0
nonsynonymous_SNV	117	519	13
nonsynonymous_SNV	16	96	0
nonsynonymous_SNV	4	9	0
frameshift_insertion	62	280	3
frameshift_insertion	62	280	3
nonframeshift_insertion	62	280	3
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	183	785	42
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	197	828	49
nonsynonymous_SNV	171	706	240
stopgain	61	257	2
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	170	754	30

nonsynonymous_SNV	170	754	30
nonsynonymous_SNV	171	752	30
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	58	316	2
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	25	91	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	70	300	4
nonsynonymous_SNV	103	480	8
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	19	83	1
nonsynonymous_SNV	19	83	1
nonframeshift_deletion	19	83	1
nonsynonymous_SNV	175	699	237
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	229	952	107
nonsynonymous_SNV	0	18	0
nonsynonymous_SNV	104	517	16
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	11	20	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	4	37	0
nonsynonymous_SNV	98	428	15
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	7	59	0
nonsynonymous_SNV	13	76	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	10	50	1
nonsynonymous_SNV	7	12	0
nonsynonymous_SNV	209	914	155
nonsynonymous_SNV	11	56	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	11	56	0
nonsynonymous_SNV	11	56	0
nonsynonymous_SNV	11	56	0
nonsynonymous_SNV	11	56	0
nonsynonymous_SNV	59	221	1
nonsynonymous_SNV	17	47	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	33	160	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	93	477	12
nonsynonymous_SNV	16	84	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	4	16	0
splicing	119	563	10
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	64	321	369
nonsynonymous_SNV	95	419	12
nonsynonymous_SNV	7	50	0
nonsynonymous_SNV	204	994	132
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	9	12	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	84	422	6
frameshift_deletion	3	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	34	193	0
nonsynonymous_SNV	70	297	1
stopgain	5	21	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	58	266	3
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	188	774	198
nonsynonymous_SNV	7	54	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	5	9	0

nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	15	101	0
nonsynonymous_SNV	117	439	12
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	38	190	1
nonsynonymous_SNV	8	16	0
nonsynonymous_SNV	34	99	1
nonsynonymous_SNV	10	55	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	46	221	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	117	498	310
nonsynonymous_SNV	219	964	96
nonsynonymous_SNV	191	868	49
nonsynonymous_SNV	144	563	278
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	186	840	213
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	35	167	0
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	197	874	68
nonsynonymous_SNV	21	91	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	0	8	0
stopgain	2	3	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	129	540	15
nonsynonymous_SNV	92	485	11
nonsynonymous_SNV	20	127	0
nonsynonymous_SNV	39	167	1
nonsynonymous_SNV	9	32	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	6	23	0

nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	68	311	3
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	5	41	0
nonsynonymous_SNV	1	4	0
stopgain	29	83	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	28	152	0
nonsynonymous_SNV	11	21	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	182	746	25
nonsynonymous_SNV	193	889	53
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	22	62	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	54	200	1
nonsynonymous_SNV	23	96	0
nonsynonymous_SNV	22	104	1
nonsynonymous_SNV	178	822	55
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	6	47	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	20	97	2
nonsynonymous_SNV	12	59	0
nonsynonymous_SNV	18	76	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	21	95	1

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	26	123	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	13	58	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	8	0
splicing	7	73	0
splicing	4	56	0
splicing	2	47	0
splicing	5	53	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	22	106	0
stopgain	8	23	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	24	120	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	34	112	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	10	64	0
nonsynonymous_SNV	15	61	0
nonframeshift_insertion	6	71	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	20	0
stopgain	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	155	748	36
nonsynonymous_SNV	4	17	433
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	38	121	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	24	0
nonsynonymous_SNV	30	131	2
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	214	943	144
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	13	87	0
frameshift_insertion	51	237	2
nonsynonymous_SNV	51	236	2
nonsynonymous_SNV	70	297	5
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonframeshift_deletion	2	4	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	14	96	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	16	1
nonsynonymous_SNV	14	77	1
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	0	5	0
stopgain	0	7	0
nonsynonymous_SNV	181	790	33
nonsynonymous_SNV	10	39	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	5	0
stopgain	2	9	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	109	503	9
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	208	876	45
nonsynonymous_SNV	6	51	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	61	277	6
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	137	557	20
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	15	436
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	10	22	0
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	28	133	409
nonsynonymous_SNV	35	101	0
nonsynonymous_SNV	21	68	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	15	65	0
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	145	715	27
nonsynonymous_SNV	146	717	27
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	28	91	0
nonsynonymous_SNV	116	525	12
stopgain	1	4	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	8	45	0
nonsynonymous_SNV	11	30	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	149	589	20
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	8	50	0
nonsynonymous_SNV	12	42	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	224	881	76
nonsynonymous_SNV	15	46	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0

nonsynonymous_SNV	14	56	0
nonsynonymous_SNV	14	68	0
nonsynonymous_SNV	207	959	130
nonsynonymous_SNV	6	7	0
nonsynonymous_SNV	148	644	22
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	54	224	1
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	220	975	131
nonsynonymous_SNV	1	25	0
nonsynonymous_SNV	214	964	131
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	53	262	3
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	211	972	148
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	42	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	218	986	102
nonsynonymous_SNV	52	230	0
nonsynonymous_SNV	154	739	31
nonsynonymous_SNV	40	149	1
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	185	882	67
nonsynonymous_SNV	15	44	1
nonsynonymous_SNV	187	907	84
nonsynonymous_SNV	189	931	91
nonsynonymous_SNV	144	707	266
nonsynonymous_SNV	113	465	9
nonsynonymous_SNV	9	32	0
nonsynonymous_SNV	210	927	102

nonsynonymous_SNV	1	10	0
stopgain	7	17	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	41	141	2
nonsynonymous_SNV	41	141	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	41	141	2
nonsynonymous_SNV	10	84	0
nonsynonymous_SNV	149	670	271
nonsynonymous_SNV	163	756	250
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	14	28	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	87	314	5
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	22	95	0
nonsynonymous_SNV	17	58	0
nonsynonymous_SNV	40	188	2
nonsynonymous_SNV	10	25	0
nonsynonymous_SNV	82	303	4
nonsynonymous_SNV	80	304	5
nonsynonymous_SNV	23	108	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	22	141	0
nonsynonymous_SNV	96	400	9
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	84	365	6
nonsynonymous_SNV	106	386	327
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	47	235	4
nonsynonymous_SNV	188	868	51
nonsynonymous_SNV	221	947	123
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	82	472	12
nonsynonymous_SNV	63	263	1

nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	53	216	2
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	12	50	0
nonsynonymous_SNV	7	48	430
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	23	112	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	162	686	250
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	161	688	250
nonsynonymous_SNV	193	913	173
nonsynonymous_SNV	20	74	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	11	62	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	153	609	12
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	48	183	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	217	924	76
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	61	223	0
nonsynonymous_SNV	25	108	1
nonsynonymous_SNV	9	37	0
frameshift_deletion	23	115	1

nonsynonymous_SNV	99	536	12
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	40	243	2
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	204	834	184
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	162	727	250
nonsynonymous_SNV	1	7	0
stopgain	116	725	21
nonsynonymous_SNV	2	5	0
stopgain	77	278	3
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	22	52	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	21	105	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	135	567	17
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	6	17	431
nonsynonymous_SNV	198	752	43
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	17	0
stopgain	6	17	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	47	0
nonsynonymous_SNV	26	92	0
stopgain	1	5	0
nonsynonymous_SNV	18	72	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonframeshift_deletion	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	8	0

nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	11	34	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	204	968	93
nonsynonymous_SNV	52	174	3
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	1	6	0
splicing	10	41	0
nonsynonymous_SNV	201	853	56
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	76	353	7
nonsynonymous_SNV	15	109	0
nonsynonymous_SNV	64	272	5
nonsynonymous_SNV	15	108	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	76	354	7
nonsynonymous_SNV	17	93	0
nonsynonymous_SNV	65	273	5
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	57	182	2
nonsynonymous_SNV	89	342	344
nonsynonymous_SNV	5	43	0
nonsynonymous_SNV	27	140	0

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	10	26	0
nonsynonymous_SNV	2	4	0
frameshift_deletion	3	38	1
nonsynonymous_SNV	91	390	332
nonsynonymous_SNV	84	342	340
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	224	928	130
nonsynonymous_SNV	181	698	237
nonframeshift_deletion	181	700	237
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	85	415	350
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	10	32	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	61	295	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	143	693	280
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	18	43	0
nonsynonymous_SNV	12	82	0
nonsynonymous_SNV	211	919	167
nonsynonymous_SNV	10	32	0
nonsynonymous_SNV	14	92	1
nonsynonymous_SNV	11	49	0
nonsynonymous_SNV	87	382	341
frameshift_insertion	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	18	96	0

nonsynonymous_SNV	12	59	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	173	849	60
nonsynonymous_SNV	173	849	60
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	182	747	35
nonsynonymous_SNV	12	55	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	35	172	402
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	32	121	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	29	133	0
nonsynonymous_SNV	109	542	9
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	63	249	4
nonsynonymous_SNV	65	262	4
nonsynonymous_SNV	34	138	1
nonsynonymous_SNV	54	210	3
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	61	314	4
nonsynonymous_SNV	217	926	126
nonsynonymous_SNV	47	141	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	8	43	429
nonsynonymous_SNV	162	763	246
nonsynonymous_SNV	62	274	4
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	13	62	0
nonsynonymous_SNV	14	62	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	20	0
nonsynonymous_SNV	0	2	436
stopgain	71	287	4
nonsynonymous_SNV	5	21	0

stopgain	1	19	1
nonsynonymous_SNV	173	707	31
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	138	664	281
nonsynonymous_SNV	73	325	3
nonsynonymous_SNV	8	70	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	132	633	14
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	76	365	9
nonsynonymous_SNV	74	298	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	62	280	5
nonsynonymous_SNV	12	24	0
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	215	891	68
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	3	4	0
nonframeshift_insertion	9	33	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	13	25	1
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	24	0
frameshift_deletion	8	42	0
nonsynonymous_SNV	34	174	2
splicing	4	23	0
nonsynonymous_SNV	30	156	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	55	244	4
nonsynonymous_SNV	3	23	0

nonsynonymous_SNV	2	7	0
stopgain	3	5	0
nonsynonymous_SNV	177	743	25
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	23	115	0
nonsynonymous_SNV	20	62	0
nonsynonymous_SNV	10	89	0
nonsynonymous_SNV	15	31	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	3	3	0
frameshift_insertion	0	8	0
nonsynonymous_SNV	58	260	5
nonsynonymous_SNV	149	665	21
nonsynonymous_SNV	153	665	20
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	2	4	0
nonsynonymous_SNV	115	468	6
nonsynonymous_SNV	202	916	72
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	15	60	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	235	946	89
nonsynonymous_SNV	225	889	158
nonsynonymous_SNV	239	955	78
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	11	32	0
nonsynonymous_SNV	109	501	315
nonsynonymous_SNV	16	53	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	48	243	3
nonsynonymous_SNV	8	26	0
frameshift_deletion	18	81	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	106	512	11
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	21	0

nonsynonymous_SNV	6	48	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	27	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	38	125	1
nonsynonymous_SNV	37	204	1
nonsynonymous_SNV	12	45	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	9	46	0
nonsynonymous_SNV	10	34	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	5	47	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	3	1
nonsynonymous_SNV	6	44	0
nonsynonymous_SNV	9	35	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	223	906	55
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	12	43	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	47	179	0
nonsynonymous_SNV	46	177	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	8	0

nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	12	36	0
nonsynonymous_SNV	10	43	0
nonsynonymous_SNV	8	47	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	12	0
frameshift_deletion	2	9	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	177	769	39
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	103	485	11
nonsynonymous_SNV	169	795	41
nonsynonymous_SNV	108	481	10
nonsynonymous_SNV	21	56	0
nonsynonymous_SNV	116	448	11
nonsynonymous_SNV	7	61	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	10	20	0
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	11	28	0
nonsynonymous_SNV	5	41	0
nonsynonymous_SNV	208	929	60
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	0	17	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	10	0
nonframeshift_insertion	5	7	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	13	42	0
nonsynonymous_SNV	8	58	0
nonsynonymous_SNV	13	56	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	191	790	26
nonsynonymous_SNV	16	70	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	176	762	224
nonsynonymous_SNV	9	21	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	148	621	20
nonsynonymous_SNV	5	53	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	16	93	1
nonsynonymous_SNV	16	92	1
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	14	93	2
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	14	112	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	13	93	2
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	10	49	0
nonsynonymous_SNV	183	823	35
nonsynonymous_SNV	10	45	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	78	383	8
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	127	537	10
nonsynonymous_SNV	229	926	81
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	219	928	84
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	32	160	1
nonsynonymous_SNV	17	78	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	21	83	0
nonsynonymous_SNV	15	54	0
nonsynonymous_SNV	25	106	2
nonsynonymous_SNV	192	943	78
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	38	185	3
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	66	327	5
nonsynonymous_SNV	180	945	70
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	15	89	1
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	14	62	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	152	773	39
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	99	498	13
nonsynonymous_SNV	14	82	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	223	959	94
nonsynonymous_SNV	90	423	9
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	156	711	24
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	21	148	1
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	12	64	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	174	782	35
nonsynonymous_SNV	11	34	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	67	339	8
nonsynonymous_SNV	19	141	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	42	189	3
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	33	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	10	0

nonsynonymous_SNV	83	374	5
nonsynonymous_SNV	55	248	1
nonsynonymous_SNV	50	194	385
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	21	117	1
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	45	219	3
nonsynonymous_SNV	236	940	65
nonsynonymous_SNV	162	690	246
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	18	68	1
nonsynonymous_SNV	226	946	76
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	216	905	143
nonsynonymous_SNV	1	6	0
stopgain	91	354	5
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	167	808	233
nonsynonymous_SNV	86	366	10
nonsynonymous_SNV	207	921	98
nonsynonymous_SNV	87	370	10
nonsynonymous_SNV	87	372	10
nonsynonymous_SNV	87	370	10
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	7	0
stopgain	87	372	10
nonsynonymous_SNV	181	831	212
nonsynonymous_SNV	218	931	131
nonsynonymous_SNV	90	407	13
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	30	168	0
nonsynonymous_SNV	30	172	0
nonsynonymous_SNV	216	855	40
nonsynonymous_SNV	18	61	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
frameshift_insertion	5	19	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	0	5	0
frameshift_deletion	5	27	0
frameshift_deletion	5	27	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	29	142	0
frameshift_deletion	2	13	0
nonsynonymous_SNV	13	58	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	61	1
splicing	1	7	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	83	353	1
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	187	894	80
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	31	130	1
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	215	962	142
nonsynonymous_SNV	153	635	26
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	54	252	3
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	12	0
splicing	3	18	0
nonsynonymous_SNV	17	111	1
stopgain	2	5	0
nonsynonymous_SNV	12	42	0
nonsynonymous_SNV	4	18	0

nonsynonymous_SNV	154	632	23
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	10	30	0
nonsynonymous_SNV	13	41	0
nonsynonymous_SNV	119	535	304
nonsynonymous_SNV	2	17	0
stopgain	229	953	98
nonsynonymous_SNV	229	953	98
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	33	176	0
nonsynonymous_SNV	30	174	1
nonsynonymous_SNV	135	541	13
nonsynonymous_SNV	135	534	11
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	194	933	81
nonsynonymous_SNV	126	532	299
nonsynonymous_SNV	1	25	0
nonsynonymous_SNV	30	202	0
nonsynonymous_SNV	33	146	0
nonsynonymous_SNV	47	215	1
nonsynonymous_SNV	212	939	170
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	14	84	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	209	867	49
nonsynonymous_SNV	10	69	0
nonsynonymous_SNV	192	838	197
nonsynonymous_SNV	26	99	1
nonsynonymous_SNV	118	475	306
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	23	131	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	59	293	2
nonsynonymous_SNV	27	82	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	81	309	2
nonsynonymous_SNV	80	309	2

nonsynonymous_SNV	15	26	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	13	42	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	57	291	2
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	13	85	0
nonsynonymous_SNV	7	6	0
stopgain	5	11	0
nonsynonymous_SNV	54	266	2
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	56	266	2
nonsynonymous_SNV	60	266	2
nonsynonymous_SNV	199	843	34
nonsynonymous_SNV	141	566	15
nonsynonymous_SNV	141	566	15
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	81	433	11
nonsynonymous_SNV	123	509	10
nonsynonymous_SNV	9	17	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	1
stopgain	3	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	25	127	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	75	337	3
frameshift_insertion	3	15	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	164	845	223
nonsynonymous_SNV	26	152	2
nonsynonymous_SNV	107	456	7
nonsynonymous_SNV	215	904	158
nonsynonymous_SNV	77	363	5

nonsynonymous_SNV	16	72	0
frameshift_insertion	4	12	0
nonframeshift_deletion	4	12	0
nonsynonymous_SNV	3	2	0
nonframeshift_deletion	72	352	8
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	130	576	16
nonsynonymous_SNV	65	226	367
nonframeshift_insertion	0	6	0
frameshift_insertion	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	157	793	32
nonsynonymous_SNV	67	332	6
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	107	501	313
nonsynonymous_SNV	5	50	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	96	410	6
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	107	511	6
nonsynonymous_SNV	13	40	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	39	111	0
nonsynonymous_SNV	158	608	17
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	42	173	2
nonsynonymous_SNV	147	812	36
nonsynonymous_SNV	34	153	1
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	8	50	0
nonsynonymous_SNV	26	128	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	16	77	0
nonframeshift_deletion	0	10	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	162	706	30
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	23	0

nonsynonymous_SNV	11	51	0
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	199	895	76
nonsynonymous_SNV	1	28	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	184	810	49
nonsynonymous_SNV	209	909	72
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	10	37	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	72	310	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	40	184	2
nonsynonymous_SNV	113	572	12
nonsynonymous_SNV	38	137	2
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	29	160	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	51	190	1
nonsynonymous_SNV	45	182	1
nonsynonymous_SNV	14	45	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	165	830	233
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	16	62	421
nonsynonymous_SNV	151	676	263
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	151	669	263
nonsynonymous_SNV	17	52	0
nonsynonymous_SNV	2	26	0
nonsynonymous_SNV	15	56	0
nonsynonymous_SNV	78	377	1
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	10	53	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	113	422	10
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	22	67	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	132	632	21
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	216	970	80
nonsynonymous_SNV	25	109	0
nonsynonymous_SNV	139	638	16
nonsynonymous_SNV	194	878	58
stoploss	193	879	59
nonsynonymous_SNV	76	314	7
nonsynonymous_SNV	26	124	1
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	210	924	76
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	14	76	423
nonsynonymous_SNV	97	348	8
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	8	53	0
nonsynonymous_SNV	82	395	6
nonsynonymous_SNV	207	874	176
nonframeshift_insertion	216	953	72
nonsynonymous_SNV	1	12	0
stopgain	1	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	108	434	8
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	175	838	61
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	173	705	31
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	199	885	65
nonsynonymous_SNV	140	633	22
nonsynonymous_SNV	186	905	68
nonsynonymous_SNV	5	5	0

nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	55	273	3
nonframeshift_insertion	0	8	0
nonsynonymous_SNV	27	91	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	60	271	1
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	2	16	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	70	321	6
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	58	251	2
nonsynonymous_SNV	8	18	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	48	199	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	9	13	0
nonsynonymous_SNV	206	930	136
nonsynonymous_SNV	10	18	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	131	616	16
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	153	670	260
nonsynonymous_SNV	154	669	260
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	3	2	0

nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	62	215	3
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	223	937	105
nonsynonymous_SNV	12	50	2
nonsynonymous_SNV	7	56	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	24	96	0
nonsynonymous_SNV	24	102	0
nonsynonymous_SNV	0	21	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	153	655	28
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	9	26	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	183	904	68
nonframeshift_deletion	5	29	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	34	126	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	128	579	19
nonsynonymous_SNV	143	637	24
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	7	17	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	7	31	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	53	168	1
nonsynonymous_SNV	180	777	29

nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	103	521	316
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	125	578	18
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	125	570	21
nonsynonymous_SNV	179	833	62
nonsynonymous_SNV	195	892	189
nonsynonymous_SNV	179	835	63
nonsynonymous_SNV	178	831	63
nonsynonymous_SNV	33	158	1
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	117	481	10
frameshift_insertion	5	0	0
nonsynonymous_SNV	10	69	0
nonsynonymous_SNV	9	32	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	190	874	50
nonsynonymous_SNV	11	61	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	8	18	1
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	32	177	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	30	114	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	17	60	0
nonsynonymous_SNV	2	37	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	13	87	0
nonsynonymous_SNV	72	375	13
nonsynonymous_SNV	121	471	6
nonsynonymous_SNV	129	497	7
nonsynonymous_SNV	1	16	0
splicing	1	4	0
nonsynonymous_SNV	4	21	0

nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	77	340	3
nonsynonymous_SNV	136	535	287
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	22	79	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	205	992	112
nonsynonymous_SNV	5	18	1
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	10	22	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	211	948	75
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	11	59	0
nonsynonymous_SNV	57	289	374
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	104	422	10
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	33	176	0
nonsynonymous_SNV	44	235	2
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	191	887	57
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	46	225	3
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	18	94	0
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	190	889	187
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	80	349	3
nonsynonymous_SNV	10	42	0

nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	6	36	0
nonframeshift_deletion	17	63	0
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	99	512	6
nonsynonymous_SNV	12	49	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	46	250	4
nonsynonymous_SNV	8	37	0
nonsynonymous_SNV	96	433	7
nonsynonymous_SNV	96	433	7
nonsynonymous_SNV	35	203	3
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	20	79	0
nonsynonymous_SNV	57	216	4
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	222	910	62
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	216	916	66
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	91	364	8
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	27	88	0
nonsynonymous_SNV	14	50	0
nonsynonymous_SNV	18	54	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	75	275	3
nonsynonymous_SNV	118	552	15
nonsynonymous_SNV	200	857	185
nonsynonymous_SNV	28	164	409
nonsynonymous_SNV	2	8	0
nonframeshift_deletion	174	814	54
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	104	418	6
stopgain	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	214	975	114

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	171	740	30
nonsynonymous_SNV	17	97	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	7	11	0
nonsynonymous_SNV	1	10	0
frameshift_insertion	3	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	21	72	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	5	11	432
nonsynonymous_SNV	18	74	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	6	40	0
frameshift_deletion	4	9	0
nonframeshift_insertion	4	9	0
splicing	18	87	1
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	21	102	0
nonsynonymous_SNV	44	168	0
nonsynonymous_SNV	44	169	0
nonsynonymous_SNV	46	183	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	22	112	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	233	926	53
nonsynonymous_SNV	234	917	54
nonsynonymous_SNV	128	518	13
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	234	931	136
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	42	156	0
nonsynonymous_SNV	7	57	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	4	0
frameshift_deletion	2	19	0
nonsynonymous_SNV	8	15	0
nonsynonymous_SNV	21	93	2
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	52	179	1
nonsynonymous_SNV	9	32	1
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	102	411	8
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	209	957	98
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	169	709	224
nonsynonymous_SNV	169	710	223
nonsynonymous_SNV	176	696	222
nonsynonymous_SNV	43	210	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	220	913	74
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	63	343	3
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	7	52	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	16	35	0
nonsynonymous_SNV	23	85	411
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	1	6	0
stopgain	11	39	0

nonsynonymous_SNV	31	145	1
nonsynonymous_SNV	145	604	13
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	170	770	31
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	30	185	0
nonsynonymous_SNV	9	9	1
nonsynonymous_SNV	5	44	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	142	645	25
nonsynonymous_SNV	162	679	20
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	15	60	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	14	54	0
nonsynonymous_SNV	190	908	78
nonsynonymous_SNV	22	148	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	73	339	5
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	25	119	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	36	138	2
nonsynonymous_SNV	70	297	1
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	155	696	32
nonsynonymous_SNV	113	435	309
nonsynonymous_SNV	196	904	163
nonsynonymous_SNV	59	253	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	9	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	18	53	0
nonsynonymous_SNV	2	3	0
frameshift_deletion	18	51	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	14	27	0
nonsynonymous_SNV	57	262	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	205	950	83
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	213	912	53
nonsynonymous_SNV	213	913	53
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	187	854	202
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	21	0
nonframeshift_insertion	26	175	0
nonsynonymous_SNV	146	654	27
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	12	72	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	109	423	8
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	172	874	50
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	16	77	0
nonsynonymous_SNV	13	44	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	4	5	0

nonsynonymous_SNV	1	4	0
nonframeshift_deletion	35	136	1
nonsynonymous_SNV	11	52	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	62	248	1
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	64	258	2
nonsynonymous_SNV	7	40	1
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	38	149	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	75	321	1
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	11	0
nonframeshift_deletion	3	17	0
nonsynonymous_SNV	25	114	0
nonsynonymous_SNV	17	80	0
nonsynonymous_SNV	41	214	2
nonsynonymous_SNV	150	625	12
nonsynonymous_SNV	180	727	232
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	79	297	5
nonsynonymous_SNV	116	472	8
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	19	55	0
nonsynonymous_SNV	166	662	20
nonsynonymous_SNV	43	189	0
nonsynonymous_SNV	43	190	0
nonsynonymous_SNV	92	330	2
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	19	55	0
nonsynonymous_SNV	44	190	0
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	13	41	0

nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	18	98	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	144	670	265
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	112	503	315
nonsynonymous_SNV	137	596	281
nonsynonymous_SNV	96	479	10
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	134	598	19
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	211	992	111
nonsynonymous_SNV	0	4	0
nonsynonymous_SNV	9	17	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	5	53	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	5	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	196	935	82
nonsynonymous_SNV	5	14	432
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	190	938	84
stopgain	0	5	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	24	79	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	199	965	139
nonsynonymous_SNV	13	79	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	40	172	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	5	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	23	92	0
nonsynonymous_SNV	77	354	5
nonsynonymous_SNV	40	161	2
nonsynonymous_SNV	93	428	6
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	21	80	0
nonsynonymous_SNV	35	176	0
nonsynonymous_SNV	11	113	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	12	67	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	7	12	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	178	728	33
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	247	975	102
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	38	134	1
nonsynonymous_SNV	49	272	3
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	183	791	35

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	206	870	60
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	7	0
stopgain	2	12	0
nonsynonymous_SNV	159	683	24
nonsynonymous_SNV	164	682	23
frameshift_deletion	3	3	0
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	10	46	0
nonsynonymous_SNV	14	104	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	19	63	0
nonsynonymous_SNV	205	947	149
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	15	66	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	119	515	9
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	9	32	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	1
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	23	132	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	23	125	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	8	55	0
nonsynonymous_SNV	88	476	16
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	5	35	0

nonsynonymous_SNV	13	68	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	57	272	377
nonsynonymous_SNV	4	29	0
frameshift_deletion	39	140	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	25	136	2
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	49	189	1
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	43	227	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	11	35	0
nonsynonymous_SNV	0	7	0
frameshift_deletion	178	765	35
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	177	759	36
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	64	351	4
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	13	0
nonsynonymous_SNV	210	932	147
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	4	0
stopgain	148	720	27
nonsynonymous_SNV	122	614	13
nonsynonymous_SNV	122	616	13

nonsynonymous_SNV	121	617	13
frameshift_deletion	128	624	13
nonframeshift_deletion	128	625	13
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	6	53	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	48	251	2
nonsynonymous_SNV	8	17	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	99	454	8
nonsynonymous_SNV	11	33	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	12	44	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	151	678	17
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	13	32	1
nonsynonymous_SNV	13	45	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	20	101	1
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	5	40	0
nonsynonymous_SNV	10	16	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	11	0
stoploss	0	5	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	134	584	13
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	7	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	102	389	8
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	2	27	0
nonsynonymous_SNV	229	950	98
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	47	0
nonsynonymous_SNV	102	395	8
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	16	93	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	98	376	7
nonsynonymous_SNV	8	49	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	8	0
frameshift_insertion	2	5	0
nonsynonymous_SNV	63	282	2
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	12	20	0
nonsynonymous_SNV	30	112	1
nonsynonymous_SNV	11	24	0
nonsynonymous_SNV	53	246	5
nonsynonymous_SNV	109	523	9
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	29	185	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	27	143	0
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	43	205	1
nonsynonymous_SNV	91	385	2
nonframeshift_deletion	126	547	303
frameshift_deletion	126	546	301
nonsynonymous_SNV	11	19	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	45	217	2
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	82	354	1
nonsynonymous_SNV	63	284	3
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	9	29	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	12	53	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	95	361	7
nonsynonymous_SNV	15	60	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	12	69	0
nonsynonymous_SNV	9	26	1
nonsynonymous_SNV	113	589	26
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	14	69	0
nonsynonymous_SNV	10	43	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	11	38	0
nonsynonymous_SNV	136	606	19
nonsynonymous_SNV	137	607	19
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	9	17	0

nonsynonymous_SNV	140	565	13
nonsynonymous_SNV	67	242	1
nonsynonymous_SNV	11	30	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	86	368	5
nonsynonymous_SNV	13	72	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	46	176	3
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	59	225	1
nonsynonymous_SNV	226	934	129
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	57	215	1
frameshift_deletion	1	6	0
frameshift_deletion	1	6	0
nonsynonymous_SNV	11	51	0
nonsynonymous_SNV	1	7	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	41	181	1
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	14	80	1
nonsynonymous_SNV	53	251	1
nonsynonymous_SNV	24	65	0
nonsynonymous_SNV	2	12	0
frameshift_deletion	11	44	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	51	187	2
nonsynonymous_SNV	55	195	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	13	44	0
nonsynonymous_SNV	8	44	1
nonsynonymous_SNV	60	218	3
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	8	13	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	149	689	261
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	17	0

nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	42	198	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	18	94	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	58	234	3
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	12	0
frameshift_deletion	3	19	0
nonsynonymous_SNV	2	35	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	17	96	0
nonsynonymous_SNV	20	103	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	142	588	8
nonsynonymous_SNV	12	76	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	19	34	0
nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	6	7	0
nonsynonymous_SNV	49	286	7
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	15	111	1
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	208	910	87
nonframeshift_deletion	13	72	0
frameshift_deletion	13	71	0
nonsynonymous_SNV	2	5	0
stopgain	3	3	0

nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	1	12	0
stopgain	0	8	0
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	8	7	0
nonsynonymous_SNV	32	144	1
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	73	268	1
nonsynonymous_SNV	179	912	73
nonsynonymous_SNV	9	57	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	215	917	98
nonsynonymous_SNV	213	929	100
nonsynonymous_SNV	109	501	9
nonsynonymous_SNV	10	56	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	10	70	0
nonsynonymous_SNV	7	53	0
nonsynonymous_SNV	57	274	1
nonsynonymous_SNV	229	954	116
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	0	19	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	16	0

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	195	850	194
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	202	821	47
stopgain	2	17	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	5	0
stopgain	0	5	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	181	774	30
nonsynonymous_SNV	170	686	247
nonsynonymous_SNV	5	4	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	195	789	206
stopgain	2	5	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	134	555	18
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	8	16	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	26	98	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	19	61	0
nonsynonymous_SNV	21	75	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	24	119	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	18	86	1
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	148	604	270
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	3	0
nonframeshift_insertion	8	35	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	6	0

nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	31	119	1
nonsynonymous_SNV	12	36	0
nonsynonymous_SNV	182	873	203
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	152	649	24
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	207	932	62
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	10	48	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	82	312	4
nonsynonymous_SNV	6	38	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	3	21	0
nonframeshift_deletion	212	960	102
frameshift_deletion	208	917	101
frameshift_deletion	208	915	101
nonsynonymous_SNV	13	59	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	30	110	0
nonsynonymous_SNV	196	877	66
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	220	922	145
nonsynonymous_SNV	9	41	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	167	729	29
nonsynonymous_SNV	227	920	64
stopgain	2	7	0
nonsynonymous_SNV	221	873	62
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	34	119	0
nonsynonymous_SNV	126	612	27
nonsynonymous_SNV	124	605	24
nonsynonymous_SNV	8	14	0
nonsynonymous_SNV	124	602	24
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	27	126	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	1	4	0
stopgain	1	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	9	62	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	41	164	1
nonsynonymous_SNV	52	265	0
nonsynonymous_SNV	212	997	94
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	213	995	94
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	13	64	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	206	921	157
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	20	44	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	61	330	3
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	60	310	2
nonsynonymous_SNV	11	45	0
nonsynonymous_SNV	1	13	0

nonsynonymous_SNV	18	65	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	8	0
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	4	16	1
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	191	981	80
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	190	773	33
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	1	7	436
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	17	48	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	165	734	238
nonsynonymous_SNV	6	22	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	73	325	4
nonsynonymous_SNV	18	96	2
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	36	115	0
nonsynonymous_SNV	36	115	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	26	145	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	7	37	1
nonsynonymous_SNV	194	936	161
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	13	37	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	182	716	228

nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	6	0
stopgain	6	16	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	9	37	0
nonsynonymous_SNV	38	187	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	177	746	230
nonsynonymous_SNV	214	895	154
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	10	77	0
nonsynonymous_SNV	50	249	3
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	50	245	3
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	186	883	36
nonsynonymous_SNV	50	248	3
nonsynonymous_SNV	161	692	17
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	125	606	9
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	208	941	123
nonsynonymous_SNV	97	428	13
nonsynonymous_SNV	98	430	12
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	19	115	1
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	80	459	10
nonsynonymous_SNV	9	12	0
nonsynonymous_SNV	8	27	429
nonsynonymous_SNV	12	89	0
nonsynonymous_SNV	20	63	0
nonsynonymous_SNV	27	137	2
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	31	154	1
nonsynonymous_SNV	184	905	54

nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	153	719	35
nonsynonymous_SNV	59	296	5
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	50	224	385
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	94	403	8
splicing	5	15	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
stopgain	1	10	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	213	953	100
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	213	952	100
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	40	0
nonsynonymous_SNV	217	956	97
nonsynonymous_SNV	208	969	95
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	218	965	82
nonsynonymous_SNV	218	966	137
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	208	933	69
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	10	44	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	8	43	0

nonsynonymous_SNV	9	53	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	61	241	2
nonsynonymous_SNV	61	241	2
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	8	49	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	18	65	0
nonsynonymous_SNV	62	243	2
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	38	152	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	77	279	1
nonsynonymous_SNV	77	462	12
nonsynonymous_SNV	2	33	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	64	203	2
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	13	64	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	44	210	1
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	26	99	411
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	13	57	1
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	218	888	88
stopgain	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	140	609	15
nonsynonymous_SNV	31	128	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	9	37	0

nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	51	207	2
nonsynonymous_SNV	17	72	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	60	264	375
nonsynonymous_SNV	25	102	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	175	758	44
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	7	71	1
nonsynonymous_SNV	149	694	21
nonsynonymous_SNV	44	177	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	68	291	3
nonsynonymous_SNV	71	288	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	184	863	52
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	220	979	112
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	139	628	16
nonsynonymous_SNV	141	628	17
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	221	975	125
nonsynonymous_SNV	15	59	0
nonsynonymous_SNV	4	43	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	22	120	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	54	290	4
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	17	48	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	3	2	0

nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	15	27	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	26	126	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	75	328	2
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	215	914	133
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	82	312	4
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	113	519	17
nonsynonymous_SNV	4	7	0
frameshift_deletion	2	28	0
nonsynonymous_SNV	10	46	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	56	206	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	71	363	6
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	56	254	3
nonsynonymous_SNV	57	252	3
nonsynonymous_SNV	13	35	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	52	248	2
nonsynonymous_SNV	52	249	2
nonsynonymous_SNV	12	76	0
nonsynonymous_SNV	1	9	0
stopgain	3	15	0
nonsynonymous_SNV	110	574	15
frameshift_deletion	107	548	11

nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	115	530	298
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	7	40	1
nonsynonymous_SNV	0	5	0
nonframeshift_insertion	3	9	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	108	482	9
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	98	564	9
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	117	572	10
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	116	571	10
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	111	467	8
nonsynonymous_SNV	183	870	48
nonsynonymous_SNV	110	464	10
nonsynonymous_SNV	109	448	9
stopgain	110	547	12
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	100	383	8
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	23	137	1
nonsynonymous_SNV	26	134	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	172	771	29
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	10	45	0
nonsynonymous_SNV	211	867	43
nonsynonymous_SNV	183	800	33
nonsynonymous_SNV	182	801	33
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	1	4	0
frameshift_deletion	7	45	0
frameshift_deletion	7	45	0

frameshift_deletion	0	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	150	703	17
nonsynonymous_SNV	114	483	16
nonsynonymous_SNV	142	652	13
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	7	54	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	22	117	1
nonsynonymous_SNV	148	637	16
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	33	197	2
nonsynonymous_SNV	205	941	71
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	207	948	153
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	29	143	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	126	553	16
nonsynonymous_SNV	198	837	192
nonsynonymous_SNV	167	749	34
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	56	266	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	187	799	41
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	186	845	216
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	49	228	0
nonsynonymous_SNV	49	225	0
nonsynonymous_SNV	1	12	0
stopgain	4	10	0
nonsynonymous_SNV	9	64	0
nonframeshift_deletion	1	7	0
frameshift_deletion	1	5	0
nonsynonymous_SNV	149	683	18
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	7	0

nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	23	116	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	8	18	1
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	65	307	3
nonsynonymous_SNV	7	50	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	16	116	0
nonsynonymous_SNV	106	457	318
nonsynonymous_SNV	106	453	12
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	125	498	14
nonsynonymous_SNV	11	21	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	5	38	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	4	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	13	34	0
nonsynonymous_SNV	21	103	1
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	15	72	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	33	133	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	51	289	1
nonsynonymous_SNV	60	315	3
nonsynonymous_SNV	15	64	0
nonsynonymous_SNV	167	734	46
nonsynonymous_SNV	163	769	31
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	13	105	0
nonsynonymous_SNV	173	857	65
nonsynonymous_SNV	178	859	63
nonsynonymous_SNV	42	191	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	18	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	96	483	9
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	8	32	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	221	918	142
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	10	48	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	13	48	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	190	830	35
nonsynonymous_SNV	108	509	12

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	7	32	2
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	112	520	10
nonsynonymous_SNV	77	347	5
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	8	0
nonframeshift_deletion	131	549	16
nonsynonymous_SNV	13	53	423
nonsynonymous_SNV	16	45	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	53	256	3
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	58	289	6
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	22	88	0
nonsynonymous_SNV	17	99	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	3	7	0
nonframeshift_insertion	42	197	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	112	462	8
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	6	45	0
nonsynonymous_SNV	61	256	2
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	18	91	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	45	161	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	213	939	80
nonsynonymous_SNV	20	113	1

nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	14	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	55	214	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	103	471	10
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	80	381	4
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	17	63	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	14	68	423
nonsynonymous_SNV	12	45	0
nonsynonymous_SNV	138	650	273
nonsynonymous_SNV	124	533	22
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	206	933	65
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	194	806	40
nonsynonymous_SNV	21	91	0
nonsynonymous_SNV	0	7	0
splicing	1	1	436
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	190	943	136
stopgain	1	9	0
nonsynonymous_SNV	208	977	140
nonsynonymous_SNV	162	756	44
nonsynonymous_SNV	19	75	0
nonsynonymous_SNV	182	803	48
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	1	11	0

nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	1	4	0
frameshift_deletion	216	940	86
nonsynonymous_SNV	10	26	0
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	141	602	21
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	204	890	39
nonsynonymous_SNV	43	255	4
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	34	176	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	222	907	51
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	107	384	6
nonsynonymous_SNV	235	937	108
nonsynonymous_SNV	33	169	404
nonsynonymous_SNV	33	164	0
nonsynonymous_SNV	231	942	100
nonsynonymous_SNV	160	719	17
nonsynonymous_SNV	0	4	437
nonsynonymous_SNV	114	409	6
nonframeshift_insertion	0	7	0
nonsynonymous_SNV	189	760	218
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	232	939	127
nonsynonymous_SNV	85	348	3
nonsynonymous_SNV	6	6	1
nonsynonymous_SNV	135	466	6
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	15	64	0

nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	2	18	0
frameshift_insertion	0	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	103	435	7
nonsynonymous_SNV	70	222	2
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	147	656	19
nonsynonymous_SNV	25	130	0
nonsynonymous_SNV	6	43	430
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	46	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	8	18	1
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	8	62	0
nonsynonymous_SNV	8	58	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	95	512	9
nonsynonymous_SNV	66	301	2
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	95	446	10
nonsynonymous_SNV	210	895	64
nonsynonymous_SNV	62	279	2
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	158	706	252
nonsynonymous_SNV	42	179	2
nonsynonymous_SNV	145	586	281
nonsynonymous_SNV	145	582	281
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	48	239	387
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	27	131	0

nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	121	561	304
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	4	0
stopgain	11	40	0
nonsynonymous_SNV	45	191	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	141	641	22
nonsynonymous_SNV	19	114	0
nonsynonymous_SNV	143	639	23
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	93	402	8
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	32	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	42	0
nonsynonymous_SNV	7	42	1
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	11	48	0
nonsynonymous_SNV	21	73	0
nonsynonymous_SNV	36	139	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	17	125	0
nonsynonymous_SNV	11	37	0
nonsynonymous_SNV	63	318	2
nonsynonymous_SNV	24	98	1

nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	24	101	1
nonsynonymous_SNV	134	612	280
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	58	0
nonsynonymous_SNV	22	95	1
nonsynonymous_SNV	13	29	0
nonsynonymous_SNV	76	274	0
nonsynonymous_SNV	186	818	196
nonsynonymous_SNV	145	643	268
nonsynonymous_SNV	24	89	0
nonsynonymous_SNV	132	627	273
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	140	622	273
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	96	463	11
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	19	114	0
stopgain	4	11	0
nonsynonymous_SNV	41	108	0
nonsynonymous_SNV	14	78	0
nonsynonymous_SNV	2	36	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	46	430
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	31	160	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	29	80	0
stopgain	2	11	0
nonsynonymous_SNV	12	85	1
nonsynonymous_SNV	29	80	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	219	954	81
nonsynonymous_SNV	178	814	43
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	31	89	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	7	46	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	74	378	7
nonsynonymous_SNV	55	245	0
nonsynonymous_SNV	172	786	222
nonsynonymous_SNV	19	147	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	20	138	0
nonsynonymous_SNV	99	480	7
splicing	3	9	0
nonsynonymous_SNV	7	73	0
nonsynonymous_SNV	192	825	48
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	16	57	0
nonsynonymous_SNV	12	64	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	79	312	1
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	177	714	238
nonsynonymous_SNV	128	601	14
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	207	892	83
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	22	118	0
nonsynonymous_SNV	30	159	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	13	51	1
nonsynonymous_SNV	13	51	1
nonsynonymous_SNV	6	37	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	104	457	8

nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	12	58	2
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	73	362	7
nonsynonymous_SNV	92	420	10
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	70	343	5
nonsynonymous_SNV	180	883	56
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	17	69	1
nonframeshift_deletion	0	16	0
nonsynonymous_SNV	182	719	27
nonsynonymous_SNV	4	24	1
nonsynonymous_SNV	44	218	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	7	9	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	4	9	0
nonframeshift_deletion	140	602	13
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	8	47	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	207	802	39
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	212	958	101
nonsynonymous_SNV	28	131	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	92	333	338

nonsynonymous_SNV	61	249	4
nonsynonymous_SNV	2	7	0
frameshift_deletion	4	18	0
nonsynonymous_SNV	219	897	151
nonsynonymous_SNV	42	167	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	97	410	2
nonsynonymous_SNV	108	500	315
nonsynonymous_SNV	217	970	98
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	198	947	151
nonsynonymous_SNV	31	106	0
nonsynonymous_SNV	196	935	152
nonsynonymous_SNV	139	667	278
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	64	205	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	179	767	46
nonsynonymous_SNV	50	238	1
nonsynonymous_SNV	27	138	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	16	108	0
nonsynonymous_SNV	4	16	432
nonsynonymous_SNV	10	48	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	213	943	86
nonsynonymous_SNV	12	29	0
nonsynonymous_SNV	11	42	0
nonsynonymous_SNV	193	826	55
nonsynonymous_SNV	57	299	379
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	11	0

nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	7	31	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	202	835	38
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	18	104	0
nonsynonymous_SNV	150	739	25
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	5	0
nonframeshift_insertion	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	142	606	22
nonsynonymous_SNV	62	347	3
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	236	937	76
nonsynonymous_SNV	2	21	1
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	9	14	0
nonsynonymous_SNV	13	44	0
nonsynonymous_SNV	202	954	118
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	227	970	88
nonsynonymous_SNV	16	73	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	85	363	2
nonsynonymous_SNV	72	366	4
nonframeshift_insertion	50	213	1
nonsynonymous_SNV	0	11	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	55	245	3
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	81	356	8
frameshift_insertion	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	81	362	8
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	72	339	3
nonsynonymous_SNV	165	764	35
nonsynonymous_SNV	2	7	435
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	37	109	0
nonsynonymous_SNV	227	970	122
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	39	142	1
nonsynonymous_SNV	208	855	51
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	26	116	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	16	0
splicing	0	6	0
splicing	1	9	0
splicing	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	12	34	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	18	102	1

nonsynonymous_SNV	93	353	8
frameshift_deletion	3	2	0
nonsynonymous_SNV	86	391	5
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	51	172	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	125	579	11
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	46	197	2
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	88	277	10
nonframeshift_deletion	1	21	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	137	755	34
nonsynonymous_SNV	224	913	58
nonsynonymous_SNV	6	42	0
nonsynonymous_SNV	26	75	0
nonsynonymous_SNV	49	163	0
nonsynonymous_SNV	99	556	16
nonsynonymous_SNV	28	90	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	152	599	20
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	216	937	151
nonsynonymous_SNV	221	929	151
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	1	5	0
stopgain	1	5	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	192	900	61
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	12	64	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	25	67	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	202	853	180
nonsynonymous_SNV	197	852	51
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	10	50	0
nonsynonymous_SNV	54	258	2
nonsynonymous_SNV	15	57	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	9	17	0
nonsynonymous_SNV	141	718	23
nonsynonymous_SNV	11	38	0
nonsynonymous_SNV	3	15	0
stoploss	11	58	0
nonsynonymous_SNV	37	140	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	42	211	2
splicing	0	0	437
nonsynonymous_SNV	2	6	0
frameshift_deletion	2	4	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	8	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	9	59	1
frameshift_deletion	0	5	0

nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	80	312	3
nonsynonymous_SNV	223	1002	115
nonsynonymous_SNV	26	138	0
stopgain	145	627	18
nonsynonymous_SNV	43	199	1
nonsynonymous_SNV	178	772	41
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	14	101	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	22	82	0
nonsynonymous_SNV	7	47	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	48	280	2
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	19	82	0
nonsynonymous_SNV	11	95	1
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	43	0
splicing	1	6	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	9	55	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	9	0

nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	90	526	335
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	27	82	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	157	705	34
nonsynonymous_SNV	155	706	35
nonsynonymous_SNV	22	52	1
stopgain	21	41	2
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	120	504	301
nonsynonymous_SNV	65	311	4
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	14	98	0
nonsynonymous_SNV	63	309	5
nonsynonymous_SNV	9	53	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	220	983	105
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	89	434	7
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	9	37	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	12	60	0
nonsynonymous_SNV	154	808	37
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	203	952	86
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	10	50	0
nonsynonymous_SNV	150	772	34
nonsynonymous_SNV	154	809	37
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	203	953	86
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	12	31	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	95	368	6
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	95	368	6
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	124	539	12
nonsynonymous_SNV	127	575	15
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	12	50	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	11	60	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	21	87	0
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	11	0
nonframeshift_insertion	12	49	0
nonsynonymous_SNV	3	23	0
nonframeshift_deletion	7	35	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	11	42	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	6	0
nonframeshift_insertion	2	10	0
nonsynonymous_SNV	2	10	0
frameshift_insertion	2	10	0
nonframeshift_insertion	2	5	0

nonsynonymous_SNV	92	327	3
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	26	156	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	52	230	3
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	6	38	0
nonsynonymous_SNV	44	144	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	232	965	85
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	13	62	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	17	0
frameshift_deletion	6	13	0
nonsynonymous_SNV	170	800	29
nonsynonymous_SNV	78	304	5
nonsynonymous_SNV	23	126	1
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	62	262	4
nonsynonymous_SNV	0	7	0
splicing	1	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	29	130	1
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	8	8	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	116	507	13
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	59	280	6
nonsynonymous_SNV	147	734	32

nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	4	32	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	19	115	0
nonsynonymous_SNV	114	555	11
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	24	1
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	10	19	0
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	221	948	77
nonsynonymous_SNV	91	445	5
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	41	162	2
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	8	0
nonframeshift_deletion	8	20	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	11	55	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	147	565	11
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	13	70	0
nonsynonymous_SNV	99	377	4
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	126	531	12
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	173	816	226

nonsynonymous_SNV	164	744	48
nonframeshift_deletion	1	10	0
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	68	285	365
splicing	33	158	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	27	50	1
nonsynonymous_SNV	134	542	18
nonsynonymous_SNV	34	148	400
nonframeshift_deletion	1	6	0
nonsynonymous_SNV	10	64	0
nonsynonymous_SNV	17	66	1
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	9	56	0
nonsynonymous_SNV	204	943	148
nonsynonymous_SNV	39	162	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	24	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	47	191	1
nonsynonymous_SNV	19	47	0
nonsynonymous_SNV	9	16	0
nonsynonymous_SNV	25	127	0
nonsynonymous_SNV	26	121	0
nonsynonymous_SNV	13	55	0
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	9	43	427
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	16	69	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	8	51	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	23	77	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	7	28	1
nonsynonymous_SNV	31	104	0
nonsynonymous_SNV	2	10	0

nonsynonymous_SNV	119	506	10
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	13	70	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	71	0
nonsynonymous_SNV	19	99	0
nonsynonymous_SNV	52	241	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	30	170	0
nonsynonymous_SNV	75	371	8
nonsynonymous_SNV	39	207	0
nonsynonymous_SNV	10	22	0
nonsynonymous_SNV	0	7	0
stoploss	1	4	0
nonsynonymous_SNV	9	65	0
nonsynonymous_SNV	12	42	0
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	196	925	62
nonsynonymous_SNV	19	52	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	68	280	3
nonsynonymous_SNV	18	115	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	102	455	6
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	7	0
nonframeshift_deletion	1	21	0
nonsynonymous_SNV	166	734	40
nonsynonymous_SNV	3	26	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	203	808	54
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	64	287	2
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	7	0
frameshift_deletion	0	12	0
nonsynonymous_SNV	53	236	0
nonsynonymous_SNV	186	885	192

nonsynonymous_SNV	127	514	298
nonsynonymous_SNV	26	86	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	3	6	0
nonframeshift_deletion	16	65	0
nonframeshift_deletion	3	26	0
nonsynonymous_SNV	3	9	0
frameshift_deletion	1	7	0
frameshift_deletion	1	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	71	294	2
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	1
nonsynonymous_SNV	174	803	55
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	35	114	0
nonsynonymous_SNV	187	921	121
nonsynonymous_SNV	0	5	0
splicing	14	66	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	27	113	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	46	168	1
nonsynonymous_SNV	17	60	1
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	19	82	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	21	90	0
nonsynonymous_SNV	1	7	0
stopgain	1	5	0
nonsynonymous_SNV	10	50	0

nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	217	946	147
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	217	1006	132
nonsynonymous_SNV	111	549	307
nonsynonymous_SNV	141	638	268
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	20	74	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	14	58	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	11	0
frameshift_insertion	0	5	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	11	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	14	64	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	6	44	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	127	583	15
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	4	39	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	31	208	3
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	45	222	3
nonsynonymous_SNV	2	3	0
frameshift_insertion	4	7	0
frameshift_insertion	0	21	0
frameshift_insertion	3	3	0
frameshift_insertion	2	7	0
splicing	0	21	0
splicing	0	21	0
nonsynonymous_SNV	3	7	0

nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	101	528	19
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	206	866	184
nonsynonymous_SNV	91	372	8
nonsynonymous_SNV	25	122	1
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	11	65	1
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	133	478	3
splicing	231	965	103
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	47	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	8	40	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	18	153	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	10	22	0
nonsynonymous_SNV	8	40	0
nonsynonymous_SNV	3	25	0

nonframeshift_deletion	3	6	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	144	653	24
nonframeshift_insertion	144	656	24
nonsynonymous_SNV	209	913	156
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	214	920	73
nonsynonymous_SNV	169	857	51
nonsynonymous_SNV	133	606	13
nonframeshift_insertion	5	3	0
nonframeshift_insertion	4	31	0
nonframeshift_insertion	3	45	0
frameshift_insertion	5	47	0
frameshift_insertion	13	127	0
frameshift_insertion	39	176	0
nonframeshift_insertion	4	30	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	172	867	210
nonframeshift_deletion	146	715	25
frameshift_deletion	146	710	25
frameshift_deletion	146	708	25
nonframeshift_deletion	146	703	25
frameshift_deletion	146	705	25
frameshift_deletion	1	12	0
frameshift_deletion	146	687	25
nonsynonymous_SNV	10	58	0
frameshift_deletion	145	687	25
frameshift_deletion	146	684	25
frameshift_deletion	146	689	25
frameshift_deletion	1	12	0
frameshift_deletion	146	687	25
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	175	772	30
nonsynonymous_SNV	29	103	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	204	955	104
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	68	283	1
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	205	933	84
nonsynonymous_SNV	100	454	9
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	151	619	19
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	8	35	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	11	53	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	80	325	3
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	104	479	7
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	28	104	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	16	61	0
nonsynonymous_SNV	189	882	177

nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	77	334	7
nonsynonymous_SNV	77	334	7
nonsynonymous_SNV	202	984	131
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	42	178	0
nonsynonymous_SNV	8	52	0
nonsynonymous_SNV	200	843	33
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	219	961	123
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	11	71	0
nonsynonymous_SNV	151	621	21
nonsynonymous_SNV	20	69	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	50	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	224	966	117
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	149	613	21
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	227	970	117
stopgain	1	9	0
nonsynonymous_SNV	10	26	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	190	886	66
nonsynonymous_SNV	14	44	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	17	46	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	14	44	0
nonsynonymous_SNV	24	103	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	12	44	0
nonsynonymous_SNV	104	501	10

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	11	44	0
nonsynonymous_SNV	218	955	125
nonsynonymous_SNV	17	99	0
nonsynonymous_SNV	8	16	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	170	790	27
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	27	174	1
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	216	973	80
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	158	751	41
nonsynonymous_SNV	81	370	5
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	47	191	389
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	55	229	3
nonsynonymous_SNV	49	221	3
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	183	818	211
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	115	526	14
nonsynonymous_SNV	179	818	213
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	20	130	1
nonsynonymous_SNV	9	45	0
nonsynonymous_SNV	184	853	47
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	218	930	104
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	9	0

nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	119	543	10
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	15	31	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	11	32	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	21	111	0
nonsynonymous_SNV	68	253	2
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	3	13	0
splicing	113	591	22
stopgain	4	25	0
nonsynonymous_SNV	128	610	17
stopgain	1	8	0
nonsynonymous_SNV	18	77	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	11	49	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	201	839	42
nonsynonymous_SNV	201	845	42
nonsynonymous_SNV	202	844	41
nonsynonymous_SNV	201	844	42
nonsynonymous_SNV	34	129	1
nonsynonymous_SNV	81	413	7
nonsynonymous_SNV	39	154	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	99	414	6
nonsynonymous_SNV	156	639	264

nonsynonymous_SNV	125	490	300
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	126	493	299
nonsynonymous_SNV	192	822	47
nonsynonymous_SNV	9	59	1
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	13	35	1
nonsynonymous_SNV	112	470	312
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	59	299	3
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	216	971	109
nonsynonymous_SNV	17	48	1
splicing	0	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	148	650	22
nonsynonymous_SNV	1	5	0
nonframeshift_deletion	0	9	0
nonsynonymous_SNV	36	150	0
nonsynonymous_SNV	36	150	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	24	143	2
frameshift_deletion	1	13	0
nonsynonymous_SNV	215	948	86
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	28	188	2
nonsynonymous_SNV	8	16	0
nonsynonymous_SNV	222	927	92
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	15	51	0
nonsynonymous_SNV	214	960	97

nonsynonymous_SNV	9	22	0
nonsynonymous_SNV	167	824	237
nonsynonymous_SNV	166	823	238
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	188	875	40
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	14	84	1
nonsynonymous_SNV	67	344	9
nonsynonymous_SNV	216	951	77
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	13	64	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	11	33	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	14	84	0
nonsynonymous_SNV	25	88	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	62	0
nonsynonymous_SNV	218	968	124
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	220	974	123
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	212	923	154
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	207	994	106
nonsynonymous_SNV	56	263	2
nonsynonymous_SNV	192	883	60
nonsynonymous_SNV	61	209	2
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	229	944	118
nonsynonymous_SNV	5	22	1
nonsynonymous_SNV	203	956	111
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	9	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	26	97	0
stoploss	197	858	51
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	10	48	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	7	33	1
nonsynonymous_SNV	14	60	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	8	16	0
nonsynonymous_SNV	170	690	34
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	193	883	68
nonsynonymous_SNV	190	862	205
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	185	831	40
nonsynonymous_SNV	49	234	2
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	132	593	288
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	30	191	5
nonsynonymous_SNV	71	339	5
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	215	953	149
nonsynonymous_SNV	12	40	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	180	812	41
nonsynonymous_SNV	58	204	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	11	41	1
nonsynonymous_SNV	193	855	41
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	139	627	22

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	140	628	22
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	42	189	0
nonsynonymous_SNV	7	42	0
nonsynonymous_SNV	39	189	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	42	189	0
nonsynonymous_SNV	17	54	0
stopgain	20	122	0
nonsynonymous_SNV	12	63	0
nonsynonymous_SNV	133	560	14
nonsynonymous_SNV	184	928	57
nonsynonymous_SNV	46	183	4
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	16	74	0
nonsynonymous_SNV	8	35	0
nonsynonymous_SNV	207	900	179
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	20	87	0
nonsynonymous_SNV	212	928	96
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	187	822	37
nonsynonymous_SNV	14	73	0
stopgain	0	5	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	23	140	0
nonsynonymous_SNV	21	75	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	8	27	0
nonsynonymous_SNV	200	856	42
nonsynonymous_SNV	23	115	0
nonsynonymous_SNV	3	5	0

nonsynonymous_SNV	126	605	15
nonsynonymous_SNV	102	436	11
nonsynonymous_SNV	201	858	42
nonsynonymous_SNV	103	438	11
nonsynonymous_SNV	123	521	14
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	224	941	116
nonsynonymous_SNV	126	569	298
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	13	50	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	220	951	127
nonsynonymous_SNV	134	569	17
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	108	446	324
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	34	139	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	24	78	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	11	55	0
nonsynonymous_SNV	11	69	0
frameshift_insertion	1	5	0
nonsynonymous_SNV	32	132	0
nonsynonymous_SNV	8	40	0
nonsynonymous_SNV	24	136	1
stopgain	1	10	0
nonsynonymous_SNV	19	91	0
nonsynonymous_SNV	18	68	1
nonsynonymous_SNV	204	910	170
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	7	0
frameshift_insertion	1	5	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	189	703	29
nonsynonymous_SNV	15	73	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	165	718	241
nonsynonymous_SNV	4	37	0
nonframeshift_deletion	5	13	0
nonsynonymous_SNV	14	72	0
nonsynonymous_SNV	15	76	0
nonsynonymous_SNV	171	812	220
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	14	89	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	34	125	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	217	962	87
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	221	950	87
nonsynonymous_SNV	13	86	0
nonsynonymous_SNV	212	942	79
nonsynonymous_SNV	16	73	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	219	945	149
nonsynonymous_SNV	39	152	4
nonsynonymous_SNV	223	920	63
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	28	0
nonsynonymous_SNV	1	11	0

nonsynonymous_SNV	15	59	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	77	0
nonsynonymous_SNV	57	238	2
nonsynonymous_SNV	64	265	3
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	59	247	2
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	40	163	2
nonsynonymous_SNV	29	134	1
nonsynonymous_SNV	28	80	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	41	0
nonsynonymous_SNV	50	259	2
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	219	942	85
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	9	58	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	10	17	0
nonsynonymous_SNV	8	15	0
nonsynonymous_SNV	225	868	137
nonsynonymous_SNV	29	156	408
nonsynonymous_SNV	221	972	115
nonsynonymous_SNV	204	960	141
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	28	91	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	219	905	99
nonsynonymous_SNV	5	43	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	14	27	0
nonsynonymous_SNV	9	12	0
nonsynonymous_SNV	12	51	0
nonframeshift_insertion	6	6	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	188	923	93
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	6	0
nonframeshift_deletion	50	262	0
nonsynonymous_SNV	36	145	2
nonframeshift_deletion	57	301	3
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	32	127	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	208	935	82
nonsynonymous_SNV	9	12	0
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	208	897	73
nonsynonymous_SNV	9	54	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	9	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	193	969	82
nonsynonymous_SNV	79	375	4
nonsynonymous_SNV	35	142	1
nonsynonymous_SNV	188	867	48
nonsynonymous_SNV	216	960	103
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	3	0

nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	28	117	0
nonsynonymous_SNV	175	800	41
nonsynonymous_SNV	83	370	3
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	41	172	0
nonsynonymous_SNV	17	81	0
nonsynonymous_SNV	10	29	0
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	9	25	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	193	940	68
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	145	557	10
nonsynonymous_SNV	105	498	11
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	59	246	4
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	194	894	52
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	87	382	6
nonsynonymous_SNV	95	398	6
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	62	262	6
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	36	136	0
nonsynonymous_SNV	206	953	138
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	38	137	0
nonsynonymous_SNV	4	41	0

nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	14	74	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	39	116	2
nonsynonymous_SNV	47	185	0
nonsynonymous_SNV	7	49	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	38	114	2
splicing	67	302	7
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	4	10	1
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	17	34	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	22	72	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	10	24	0
frameshift_deletion	2	11	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	71	298	1
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	16	44	0

nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	49	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	23	96	0
nonsynonymous_SNV	0	10	0
nonframeshift_deletion	3	7	0
nonsynonymous_SNV	74	386	5
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	1	25	0
splicing	0	5	0
nonsynonymous_SNV	0	6	0
splicing	1	11	0
nonsynonymous_SNV	46	172	389
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	136	661	22
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	88	418	3
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	25	134	1
nonsynonymous_SNV	116	557	10
nonsynonymous_SNV	28	136	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	208	927	114
nonsynonymous_SNV	209	962	67
nonsynonymous_SNV	60	304	1
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	22	111	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	35	137	0

nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	40	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	39	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	33	147	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	10	33	0
nonsynonymous_SNV	10	33	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	11	45	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	17	113	0
nonsynonymous_SNV	53	256	5
nonsynonymous_SNV	175	816	45
nonsynonymous_SNV	140	791	264
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	15	39	0
nonsynonymous_SNV	199	843	55
nonsynonymous_SNV	71	247	3
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	84	405	3
nonsynonymous_SNV	152	729	29
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	60	242	6
nonsynonymous_SNV	205	932	152
nonsynonymous_SNV	3	19	0

nonsynonymous_SNV	193	946	176
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	13	31	0
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	38	168	1
nonsynonymous_SNV	12	42	0
nonsynonymous_SNV	46	164	4
nonsynonymous_SNV	189	947	87
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	187	965	120
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	11	61	0
nonsynonymous_SNV	0	23	0
nonsynonymous_SNV	19	135	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	11	56	0
nonsynonymous_SNV	2	3	0
frameshift_insertion	2	17	0
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	1	10	1
stopgain	1	7	0
nonsynonymous_SNV	70	284	1
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	34	0
nonsynonymous_SNV	30	137	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	225	923	94
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	104	509	14
nonsynonymous_SNV	41	174	1
nonsynonymous_SNV	22	112	0
nonsynonymous_SNV	9	26	0
nonsynonymous_SNV	153	674	17
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	27	140	2
nonsynonymous_SNV	27	140	2
nonsynonymous_SNV	27	140	2

stopgain	2	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	183	856	215
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	71	316	4
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	25	116	1
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	68	301	3
nonsynonymous_SNV	12	69	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	193	918	80
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	9	52	0
nonsynonymous_SNV	186	764	225
nonsynonymous_SNV	11	42	1
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	159	824	48
nonsynonymous_SNV	7	25	0
stopgain	11	16	1
nonsynonymous_SNV	0	6	0
stopgain	3	8	0
nonsynonymous_SNV	52	271	1
nonsynonymous_SNV	202	912	87
nonsynonymous_SNV	25	110	1
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	12	92	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	28	164	0
nonsynonymous_SNV	30	165	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	47	209	2
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	45	212	3
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	101	408	8
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	35	148	400
nonsynonymous_SNV	46	151	1
nonsynonymous_SNV	38	174	1
nonsynonymous_SNV	27	100	2
nonsynonymous_SNV	31	103	1
frameshift_insertion	22	97	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	28	431
nonsynonymous_SNV	94	445	9
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	6	0
frameshift_insertion	1	5	0
nonsynonymous_SNV	98	505	8
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	18	59	0
nonsynonymous_SNV	167	732	22
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	18	70	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	27	96	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	13	0

nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	158	694	32
nonsynonymous_SNV	2	10	0
nonframeshift_deletion	1	9	0
frameshift_deletion	1	9	0
nonsynonymous_SNV	6	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	15	82	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	9	0
frameshift_insertion	5	11	0
nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	193	911	50
nonsynonymous_SNV	193	912	193
nonsynonymous_SNV	89	442	11
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	10	35	0
nonsynonymous_SNV	15	53	0
nonsynonymous_SNV	111	612	17
nonsynonymous_SNV	10	39	0
nonsynonymous_SNV	139	653	26
nonsynonymous_SNV	191	926	172
nonsynonymous_SNV	110	614	18
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	76	303	4
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	27	57	0
nonsynonymous_SNV	55	202	2

nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	196	864	196
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	14	49	0
nonsynonymous_SNV	18	66	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	15	101	0
nonsynonymous_SNV	146	729	268
nonsynonymous_SNV	10	63	0
nonsynonymous_SNV	49	195	1
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	4	41	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	10	62	1
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	14	85	0
nonsynonymous_SNV	2	27	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	45	0
nonsynonymous_SNV	53	193	0
nonsynonymous_SNV	11	44	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	107	422	10
nonsynonymous_SNV	128	613	282
nonsynonymous_SNV	20	90	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	94	332	5
nonsynonymous_SNV	202	885	47
nonsynonymous_SNV	0	5	0
frameshift_deletion	22	94	0

nonframeshift_deletion	22	94	0
nonsynonymous_SNV	22	93	0
nonsynonymous_SNV	102	362	5
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	18	50	1
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	27	146	1
nonsynonymous_SNV	13	68	0
nonframeshift_deletion	134	612	16
frameshift_deletion	134	610	16
frameshift_deletion	134	609	16
frameshift_deletion	134	609	16
frameshift_deletion	134	609	16
nonframeshift_deletion	134	609	16
frameshift_deletion	134	609	16
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	141	603	17
nonsynonymous_SNV	139	595	17
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	202	921	160
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	154	659	23
nonsynonymous_SNV	195	883	40
nonsynonymous_SNV	195	884	39
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	50	252	1
nonsynonymous_SNV	69	307	1
nonsynonymous_SNV	12	54	0
nonsynonymous_SNV	28	150	2
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	33	129	1

nonsynonymous_SNV	16	51	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	1	5	0
frameshift_deletion	0	5	0
nonsynonymous_SNV	142	594	17
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	106	541	10
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	150	651	23
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	131	530	18
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	151	622	21
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	9	32	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	98	442	7
nonsynonymous_SNV	205	892	173
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	35	164	402
stopgain	2	10	0
frameshift_deletion	4	25	0
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	7	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	194	902	79
nonsynonymous_SNV	13	59	0
nonsynonymous_SNV	51	244	2
nonsynonymous_SNV	161	740	33
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	17	94	2
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	67	236	2
nonsynonymous_SNV	14	29	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	5	0
nonframeshift_deletion	82	272	1
nonsynonymous_SNV	71	382	362
nonsynonymous_SNV	141	599	21
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	15	67	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	198	782	42
nonsynonymous_SNV	195	789	42
nonsynonymous_SNV	221	923	128
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	27	0
nonsynonymous_SNV	25	85	1
nonsynonymous_SNV	17	83	1
nonsynonymous_SNV	30	110	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	113	502	15
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	79	297	5
nonsynonymous_SNV	144	647	17
nonsynonymous_SNV	70	281	3
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	15	78	1
nonsynonymous_SNV	21	110	0
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	20	97	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	133	493	13
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	2	14	0

nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	72	399	3
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	120	629	23
nonsynonymous_SNV	120	629	23
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	166	865	43
nonsynonymous_SNV	173	882	42
nonsynonymous_SNV	174	886	42
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	144	787	34
nonsynonymous_SNV	156	655	23
nonsynonymous_SNV	19	71	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	129	562	11
nonframeshift_deletion	146	667	273
nonsynonymous_SNV	146	669	273
nonsynonymous_SNV	24	92	0
nonsynonymous_SNV	24	92	0
nonsynonymous_SNV	9	45	1
nonsynonymous_SNV	17	75	1
nonsynonymous_SNV	110	517	18
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	146	664	273
nonsynonymous_SNV	100	444	11
nonsynonymous_SNV	146	663	273
nonframeshift_deletion	0	6	0
nonsynonymous_SNV	147	663	272
nonsynonymous_SNV	23	88	0
nonsynonymous_SNV	13	54	1
nonsynonymous_SNV	12	60	0
nonframeshift_insertion	193	901	176
nonsynonymous_SNV	195	915	168

nonsynonymous_SNV	100	445	11
nonsynonymous_SNV	11	22	0
splicing	1	8	0
nonsynonymous_SNV	8	49	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	15	42	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	24	0
frameshift_insertion	0	5	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	2	29	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	230	1007	112
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	19	107	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	9	51	0
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	116	448	12
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	117	446	12
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	194	727	211
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	50	185	2
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	9	23	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	2	0
nonframeshift_deletion	203	977	139
nonsynonymous_SNV	15	65	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	26	101	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	197	858	181
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	26	141	1
nonsynonymous_SNV	33	196	1
nonsynonymous_SNV	200	924	126
nonsynonymous_SNV	32	174	1
nonsynonymous_SNV	33	175	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	15	0
frameshift_insertion	2	6	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	200	928	124
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	17	72	0
nonsynonymous_SNV	8	62	0

nonsynonymous_SNV	12	45	1
nonsynonymous_SNV	190	951	107
nonsynonymous_SNV	104	473	13
nonsynonymous_SNV	105	446	11
nonsynonymous_SNV	104	472	12
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	16	88	0
nonsynonymous_SNV	41	151	2
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	17	76	0
nonsynonymous_SNV	52	197	4
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	94	386	5
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	83	285	3
nonsynonymous_SNV	34	130	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	10	10	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	194	866	187
nonsynonymous_SNV	25	93	0
nonsynonymous_SNV	109	516	13
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	29	162	0
nonsynonymous_SNV	29	161	0
nonsynonymous_SNV	27	163	0
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	9	53	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	13	0
frameshift_insertion	1	7	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	10	0

nonsynonymous_SNV	2	5	0
frameshift_deletion	4	14	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	34	166	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	203	915	148
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	43	200	1
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	22	79	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	36	132	1
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	120	456	4
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	136	555	280
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	212	952	98
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	16	81	0
nonsynonymous_SNV	16	68	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	98	385	5
nonsynonymous_SNV	5	36	0
nonsynonymous_SNV	205	862	53
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	13	46	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	138	567	20
nonsynonymous_SNV	93	406	3
nonsynonymous_SNV	33	131	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	46	160	1

nonsynonymous_SNV	95	392	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	1	27	0
nonsynonymous_SNV	104	449	325
nonsynonymous_SNV	45	226	391
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	197	848	49
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	195	869	44
nonsynonymous_SNV	66	311	3
nonsynonymous_SNV	2	33	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	28	120	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	27	114	0
nonsynonymous_SNV	64	300	2
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	10	29	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	96	413	6
nonsynonymous_SNV	20	63	0
nonsynonymous_SNV	19	63	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	159	734	35
nonsynonymous_SNV	4	3	0

nonsynonymous_SNV	128	619	23
nonsynonymous_SNV	13	36	0
nonsynonymous_SNV	5	36	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	199	947	111
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	138	601	14
nonsynonymous_SNV	204	830	192
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	10	77	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	205	849	58
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	166	675	15
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	192	715	32
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	135	495	14
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	119	507	12
nonsynonymous_SNV	198	869	63
nonsynonymous_SNV	88	328	4
nonsynonymous_SNV	58	297	3
nonsynonymous_SNV	92	386	5
splicing	2	7	0

nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	11	34	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	55	286	1
nonframeshift_deletion	1	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	68	305	2
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	32	155	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	9	0
frameshift_deletion	6	21	0
nonframeshift_deletion	6	21	0
nonsynonymous_SNV	8	70	0
nonsynonymous_SNV	29	127	1
nonsynonymous_SNV	114	472	6
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	181	826	217
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	14	1
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	42	208	1
nonsynonymous_SNV	5	43	0
nonsynonymous_SNV	93	424	4
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	237	911	67
nonsynonymous_SNV	15	68	0

nonsynonymous_SNV	199	803	39
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	27	206	2
nonsynonymous_SNV	1	26	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	183	777	217
nonsynonymous_SNV	12	57	0
nonsynonymous_SNV	183	778	217
nonsynonymous_SNV	183	776	217
nonsynonymous_SNV	214	953	143
nonsynonymous_SNV	90	383	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	18	82	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	79	326	2
nonsynonymous_SNV	213	927	74
nonsynonymous_SNV	124	605	15
nonsynonymous_SNV	214	931	74
nonsynonymous_SNV	124	604	15
nonsynonymous_SNV	170	692	18
nonsynonymous_SNV	170	639	14
nonsynonymous_SNV	227	949	110
nonsynonymous_SNV	201	879	183
frameshift_deletion	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	189	745	222
nonsynonymous_SNV	25	120	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	104	410	6
nonsynonymous_SNV	48	199	1
nonsynonymous_SNV	156	775	43
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	11	55	0

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	73	325	3
nonsynonymous_SNV	11	48	0
nonsynonymous_SNV	38	147	2
nonsynonymous_SNV	12	30	0
nonsynonymous_SNV	55	251	1
nonsynonymous_SNV	171	826	45
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	12	30	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	7	47	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	126	456	10
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	209	861	65
nonsynonymous_SNV	86	413	4
nonsynonymous_SNV	138	592	14
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	38	121	0
nonsynonymous_SNV	123	531	10
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	55	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	37	157	3
nonsynonymous_SNV	126	519	11
nonsynonymous_SNV	119	517	12
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	22	98	0
nonsynonymous_SNV	21	98	0
nonsynonymous_SNV	21	98	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	188	811	33
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	163	719	242
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	191	867	56
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	9	26	0

nonsynonymous_SNV	180	966	85
nonframeshift_insertion	95	454	10
nonsynonymous_SNV	29	189	1
frameshift_deletion	22	82	0
nonsynonymous_SNV	7	0	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	83	419	7
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	126	508	6
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	107	590	21
nonsynonymous_SNV	30	157	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	182	815	51
nonsynonymous_SNV	21	122	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	30	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	24	137	1
nonsynonymous_SNV	138	562	11
nonsynonymous_SNV	112	493	8
nonsynonymous_SNV	131	589	11
nonsynonymous_SNV	142	511	16
nonsynonymous_SNV	15	53	0
nonsynonymous_SNV	140	509	17
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	112	490	8
nonsynonymous_SNV	196	781	38
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	53	260	0
nonsynonymous_SNV	62	331	2
nonsynonymous_SNV	12	99	1
nonsynonymous_SNV	81	386	6
nonsynonymous_SNV	26	98	1
nonsynonymous_SNV	123	625	12
nonsynonymous_SNV	23	126	0

nonsynonymous_SNV	24	125	2
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	113	517	15
nonsynonymous_SNV	98	451	9
nonsynonymous_SNV	11	48	0
nonsynonymous_SNV	54	221	4
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	202	965	118
nonsynonymous_SNV	39	126	1
splicing	0	6	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	215	995	105
nonsynonymous_SNV	3	21	434
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	136	659	282
nonsynonymous_SNV	150	703	24
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	140	661	22
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	142	681	275
nonsynonymous_SNV	16	68	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	39	245	4
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	18	0
stopgain	1	5	0
nonsynonymous_SNV	5	18	1
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	11	61	0
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	74	350	3
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	9	33	0
stopgain	35	169	1
stopgain	0	8	0

nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	5	19	1
nonsynonymous_SNV	190	926	167
nonsynonymous_SNV	57	223	3
nonsynonymous_SNV	37	155	1
nonsynonymous_SNV	59	273	6
nonsynonymous_SNV	224	975	133
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	194	884	56
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	192	865	49
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	57	229	2
nonsynonymous_SNV	8	37	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	54	224	5
nonsynonymous_SNV	125	626	13
nonsynonymous_SNV	72	341	4
nonsynonymous_SNV	16	95	1
nonsynonymous_SNV	7	45	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	73	358	5
nonsynonymous_SNV	41	207	3
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	15	52	0
nonsynonymous_SNV	41	212	3
splicing	64	302	4
nonsynonymous_SNV	21	94	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	71	370	6
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	23	158	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	82	392	351
nonsynonymous_SNV	1	17	0

nonsynonymous_SNV	10	40	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	158	753	32
nonsynonymous_SNV	154	789	38
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	205	975	82
nonsynonymous_SNV	157	806	41
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	200	850	50
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	215	960	130
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	215	938	140
nonsynonymous_SNV	73	465	8
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	137	688	25
nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	8	48	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	21	110	1
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	14	75	1
nonsynonymous_SNV	219	921	82
nonsynonymous_SNV	26	86	0
nonsynonymous_SNV	244	956	76
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	14	58	0
nonsynonymous_SNV	52	237	382
nonsynonymous_SNV	11	21	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	200	903	156

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	16	77	0
nonsynonymous_SNV	180	835	225
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	45	166	1
nonsynonymous_SNV	49	178	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	31	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	26	102	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	179	745	233
nonsynonymous_SNV	26	110	0
nonsynonymous_SNV	26	109	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	7	42	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	59	275	375
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	14	90	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	68	276	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	209	963	101
nonsynonymous_SNV	4	11	0
splicing	0	5	0
splicing	2	3	0
splicing	0	9	0
splicing	2	5	0

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	40	239	3
nonsynonymous_SNV	189	827	212
nonsynonymous_SNV	221	960	87
nonsynonymous_SNV	35	135	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	2	30	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	25	122	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	25	123	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	29	149	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	16	43	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	26	98	0
nonsynonymous_SNV	3	39	0
stopgain	6	69	1
nonsynonymous_SNV	28	94	0
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	200	953	94
nonsynonymous_SNV	226	972	102
nonsynonymous_SNV	79	359	3
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	47	0
nonsynonymous_SNV	190	844	205
nonsynonymous_SNV	225	960	124
frameshift_deletion	2	6	0
nonsynonymous_SNV	16	39	0
nonsynonymous_SNV	115	552	304

nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	57	251	378
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	61	247	1
nonsynonymous_SNV	130	603	286
nonsynonymous_SNV	187	832	37
stopgain	187	833	37
nonsynonymous_SNV	176	746	229
nonsynonymous_SNV	1	10	0
frameshift_insertion	225	996	104
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	18	80	0
nonsynonymous_SNV	40	149	395
nonsynonymous_SNV	28	69	2
nonsynonymous_SNV	40	143	395
nonsynonymous_SNV	19	74	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	24	94	0
nonsynonymous_SNV	8	66	1
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	9	35	2
nonsynonymous_SNV	9	39	0
nonsynonymous_SNV	0	0	437
nonframeshift_deletion	2	31	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	226	926	67
nonsynonymous_SNV	214	936	81
nonsynonymous_SNV	5	18	432
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	204	907	77
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	185	800	35

nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	7	0
frameshift_deletion	3	22	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	11	35	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	21	61	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	81	328	6
stopgain	3	4	0
nonsynonymous_SNV	205	922	149
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	11	55	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	159	663	250
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	212	950	150
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	12	57	0
nonsynonymous_SNV	5	42	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	9	47	0
nonsynonymous_SNV	9	55	0
nonsynonymous_SNV	9	63	426
nonsynonymous_SNV	204	955	165
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	15	83	0
nonsynonymous_SNV	213	968	123

nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	7	48	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	16	60	0
nonsynonymous_SNV	17	94	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	26	154	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	103	429	325
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	102	465	11
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	12	81	0
frameshift_deletion	0	7	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	25	81	0
nonsynonymous_SNV	1	1	435
nonsynonymous_SNV	35	167	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	12	37	1
nonsynonymous_SNV	19	99	0
nonsynonymous_SNV	34	151	0
nonsynonymous_SNV	21	136	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	11	49	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	2	7	0

nonsynonymous_SNV	137	632	13
nonsynonymous_SNV	12	43	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	60	286	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	177	758	35
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	10	0
frameshift_deletion	4	8	0
nonsynonymous_SNV	164	698	245
frameshift_insertion	2	15	0
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	208	886	69
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	15	0
frameshift_insertion	3	29	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	40	222	1
nonsynonymous_SNV	11	44	0
nonsynonymous_SNV	84	441	10
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	104	474	12
nonframeshift_deletion	78	384	353
frameshift_deletion	78	381	351
nonsynonymous_SNV	19	91	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	202	956	136
nonsynonymous_SNV	2	29	0
nonsynonymous_SNV	15	66	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	10	33	0
nonsynonymous_SNV	22	57	2
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	8	13	1
nonsynonymous_SNV	11	18	0
nonsynonymous_SNV	198	964	62
nonsynonymous_SNV	19	57	0
nonsynonymous_SNV	114	547	12
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	163	849	45
nonsynonymous_SNV	206	943	101
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	189	835	56
nonsynonymous_SNV	21	76	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	23	95	1
stoploss	2	6	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	21	59	0
nonsynonymous_SNV	203	868	197
nonsynonymous_SNV	11	30	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	102	387	8
nonsynonymous_SNV	127	627	299
nonsynonymous_SNV	127	629	299
nonsynonymous_SNV	1	2	436
nonsynonymous_SNV	212	892	135
nonsynonymous_SNV	9	18	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	2	5	0
stopgain	86	440	5
nonsynonymous_SNV	38	177	398
nonsynonymous_SNV	36	172	1
nonsynonymous_SNV	38	199	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	15	50	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	37	0
nonsynonymous_SNV	25	104	1
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	95	536	20
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	88	478	332
nonsynonymous_SNV	34	123	1
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	10	64	0
nonsynonymous_SNV	52	217	4
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	21	89	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	62	252	1
nonsynonymous_SNV	44	187	1
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	20	0
nonsynonymous_SNV	44	247	5
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	43	231	2

nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	162	706	256
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	17	76	0
nonsynonymous_SNV	14	67	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	29	162	1
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	99	443	5
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	24	107	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	59	254	2
stopgain	1	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	116	606	14
nonsynonymous_SNV	20	83	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	209	855	52
nonsynonymous_SNV	208	852	53
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	19	106	1
nonsynonymous_SNV	216	893	162
nonsynonymous_SNV	57	287	3
nonsynonymous_SNV	59	281	3
nonframeshift_deletion	6	15	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	59	290	3

nonsynonymous_SNV	59	294	3
nonsynonymous_SNV	93	418	8
nonsynonymous_SNV	209	932	73
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	60	290	2
nonsynonymous_SNV	11	53	0
nonsynonymous_SNV	63	340	4
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	36	137	2
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	66	306	1
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	19	77	0
nonsynonymous_SNV	44	184	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	48	271	4
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	57	266	1
nonsynonymous_SNV	188	933	67
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	22	89	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	13	58	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	201	945	126
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	15	42	1
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	22	63	0
nonsynonymous_SNV	43	169	0
nonsynonymous_SNV	13	44	0
nonsynonymous_SNV	6	45	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	84	357	5
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	18	72	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	29	60	0
nonsynonymous_SNV	10	56	1
nonsynonymous_SNV	15	60	0
nonsynonymous_SNV	50	189	0
nonsynonymous_SNV	163	741	24
nonsynonymous_SNV	163	741	24
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	160	726	24
nonsynonymous_SNV	10	26	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	74	260	0
nonsynonymous_SNV	39	237	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	118	426	5
frameshift_deletion	122	597	11
stopgain	1	4	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
splicing	2	5	0
nonsynonymous_SNV	69	288	359
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	9	32	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	22	0

nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	178	770	31
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	11	44	2
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	98	360	5
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	166	724	18
frameshift_deletion	89	501	13
nonsynonymous_SNV	62	333	7
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	64	345	5
nonsynonymous_SNV	9	45	0
nonsynonymous_SNV	1	7	0
splicing	6	28	0
nonsynonymous_SNV	24	77	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	207	924	72
nonsynonymous_SNV	23	135	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	44	0
nonsynonymous_SNV	204	912	88
nonsynonymous_SNV	69	291	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	35	110	1
nonsynonymous_SNV	96	417	5
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	33	108	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	35	104	1
nonsynonymous_SNV	163	750	24
nonsynonymous_SNV	19	77	0

nonsynonymous_SNV	33	101	1
nonsynonymous_SNV	8	10	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	4	0
nonframeshift_deletion	3	33	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	7	42	1
nonsynonymous_SNV	12	55	0
nonsynonymous_SNV	25	93	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	149	644	23
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	30	0
stopgain	116	474	10
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	22	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	136	667	267
nonsynonymous_SNV	140	667	266
nonsynonymous_SNV	156	655	15
nonsynonymous_SNV	1	15	0
frameshift_insertion	3	15	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	1	4	1
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	0	6	0
nonframeshift_deletion	1	21	0

nonframeshift_deletion	2	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	55	0
nonsynonymous_SNV	2	3	0
frameshift_deletion	16	76	1
nonsynonymous_SNV	76	327	7
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	24	90	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	10	41	0
splicing	0	5	0
nonsynonymous_SNV	44	223	1
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	18	98	1
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	43	200	391
nonsynonymous_SNV	101	467	5
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	43	213	1
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	17	62	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	67	279	4
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	22	96	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	54	0
nonsynonymous_SNV	12	69	0
nonsynonymous_SNV	72	330	4
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	202	881	65
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	9	26	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	44	195	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	138	612	275
nonsynonymous_SNV	11	86	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	4	34	1
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	119	521	299
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
frameshift_deletion	4	17	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	22	91	1
nonsynonymous_SNV	8	54	0
nonsynonymous_SNV	75	403	5
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	37	170	2
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	193	875	175
nonsynonymous_SNV	36	188	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	94	390	328
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	100	399	331
nonsynonymous_SNV	169	804	216
nonsynonymous_SNV	50	243	8
nonsynonymous_SNV	210	967	154
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	182	811	45
frameshift_insertion	2	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
frameshift_deletion	1	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	64	234	372
splicing	3	15	0
frameshift_insertion	5	50	0
nonsynonymous_SNV	2	7	434
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	51	230	1
nonsynonymous_SNV	0	0	437

nonsynonymous_SNV	17	48	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	79	375	6
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	20	98	1
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	19	73	0
nonframeshift_insertion	3	16	0
nonsynonymous_SNV	5	16	0
nonframeshift_deletion	107	540	9
nonsynonymous_SNV	7	36	0
frameshift_deletion	104	532	9
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	78	349	351
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	94	337	8
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	2	3	0
stoploss	13	69	0
stopgain	60	277	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	5	36	0
nonsynonymous_SNV	8	54	0
nonsynonymous_SNV	5	28	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	176	809	218
nonsynonymous_SNV	27	131	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	68	307	3
nonsynonymous_SNV	3	33	0
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	55	210	2

nonsynonymous_SNV	178	810	214
nonsynonymous_SNV	189	834	202
nonsynonymous_SNV	142	636	14
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	43	227	1
nonsynonymous_SNV	39	159	2
nonsynonymous_SNV	14	79	0
stopgain	88	384	4
nonsynonymous_SNV	32	130	0
nonsynonymous_SNV	221	907	70
nonsynonymous_SNV	101	496	9
nonsynonymous_SNV	192	790	39
nonsynonymous_SNV	31	129	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	196	851	42
nonsynonymous_SNV	187	797	28
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	19	131	3
nonsynonymous_SNV	120	540	304
nonsynonymous_SNV	3	32	0
nonsynonymous_SNV	12	31	0
nonsynonymous_SNV	9	33	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	144	611	17
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	124	552	300
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	5	50	0
nonsynonymous_SNV	10	40	427
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	59	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	132	586	17
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	102	456	322
nonsynonymous_SNV	101	437	326
nonsynonymous_SNV	25	118	1
nonsynonymous_SNV	2	13	0

nonsynonymous_SNV	219	980	105
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	177	695	31
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	24	118	1
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	172	679	245
splicing	3	16	434
nonsynonymous_SNV	0	4	437
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	52	222	1
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	0	1	437
frameshift_insertion	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	35	168	2
nonsynonymous_SNV	35	169	2
nonsynonymous_SNV	51	213	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	29	177	2
nonsynonymous_SNV	194	930	175
nonsynonymous_SNV	187	909	187
nonsynonymous_SNV	160	805	244
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	21	89	1
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	6	434
nonsynonymous_SNV	66	300	5
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	10	46	0
nonframeshift_deletion	0	9	0
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	118	446	12

nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	191	899	163
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	128	576	287
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	25	112	0
nonsynonymous_SNV	2	10	435
nonsynonymous_SNV	53	196	4
nonsynonymous_SNV	91	495	9
nonsynonymous_SNV	128	562	13
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	6	28	0
nonframeshift_insertion	5	7	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	114	561	20
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	39	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	29	155	0
nonsynonymous_SNV	14	45	0
nonsynonymous_SNV	71	244	0
nonsynonymous_SNV	20	56	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	205	832	182
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	90	395	4
nonsynonymous_SNV	10	37	0
nonsynonymous_SNV	17	83	1
nonsynonymous_SNV	157	699	27
nonsynonymous_SNV	22	102	0
nonsynonymous_SNV	0	4	0
nonsynonymous_SNV	53	242	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	133	554	17
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	4	433
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	68	318	6
nonsynonymous_SNV	12	78	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	48	273	4
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	15	100	1
nonsynonymous_SNV	4	37	0
nonsynonymous_SNV	88	350	4
nonsynonymous_SNV	17	156	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	134	602	14
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	9	46	0
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	202	853	189
nonsynonymous_SNV	168	860	216
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	231	991	83
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	192	746	31
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	189	788	37
nonsynonymous_SNV	58	214	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	214	924	169
nonsynonymous_SNV	20	101	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	124	564	20
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	62	285	3

nonsynonymous_SNV	112	477	9
nonsynonymous_SNV	9	35	1
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	82	486	10
nonsynonymous_SNV	81	486	10
nonsynonymous_SNV	76	419	2
nonsynonymous_SNV	48	253	1
nonsynonymous_SNV	7	50	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	35	166	0
nonsynonymous_SNV	187	931	103
nonsynonymous_SNV	0	7	1
nonsynonymous_SNV	184	847	211
nonsynonymous_SNV	69	300	365
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	14	82	0
nonsynonymous_SNV	80	336	5
nonsynonymous_SNV	82	333	5
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	11	0
stopgain	4	8	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	189	822	55
nonsynonymous_SNV	120	469	13
nonsynonymous_SNV	9	45	0
nonsynonymous_SNV	1	5	0
frameshift_deletion	139	556	20
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	15	58	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	186	851	45
nonsynonymous_SNV	12	56	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	49	166	2
nonsynonymous_SNV	133	583	19
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	4	0

nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	7	8	0
nonsynonymous_SNV	17	65	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	10	0
nonsynonymous_SNV	168	702	29
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	182	772	38
nonsynonymous_SNV	1	5	0
nonframeshift_deletion	12	43	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	11	54	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	37	153	0
nonsynonymous_SNV	20	83	1
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	206	916	87
nonsynonymous_SNV	224	940	137
nonsynonymous_SNV	173	827	231
nonsynonymous_SNV	171	823	230
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	81	298	4
nonsynonymous_SNV	222	941	137
nonsynonymous_SNV	8	46	0
nonsynonymous_SNV	229	957	83
nonsynonymous_SNV	10	37	0
nonsynonymous_SNV	208	955	165
nonsynonymous_SNV	9	47	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	6	22	0

nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	5	0
nonframeshift_deletion	1	13	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	111	486	14
nonsynonymous_SNV	1	24	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	114	486	13
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	16	32	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	17	0
nonframeshift_deletion	1	15	0
nonsynonymous_SNV	19	71	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	112	470	311
frameshift_deletion	5	19	0
nonsynonymous_SNV	36	179	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	10	39	0
nonsynonymous_SNV	43	192	2
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	34	170	2
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	5	0
stoploss	188	820	207
nonsynonymous_SNV	3	17	0
frameshift_deletion	12	49	0
nonsynonymous_SNV	41	168	395
nonsynonymous_SNV	189	842	207
nonsynonymous_SNV	3	14	0
frameshift_insertion	189	858	71
nonsynonymous_SNV	1	7	0
nonframeshift_deletion	8	29	0
frameshift_deletion	8	29	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	16	85	0
nonsynonymous_SNV	7	9	0
nonsynonymous_SNV	16	85	0
nonsynonymous_SNV	46	231	1
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	52	193	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	86	420	5
nonsynonymous_SNV	91	483	13
nonsynonymous_SNV	80	251	4
nonsynonymous_SNV	87	412	5
nonsynonymous_SNV	8	14	0
nonsynonymous_SNV	54	305	4
nonsynonymous_SNV	13	69	424
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	166	692	28
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	220	991	72
nonsynonymous_SNV	228	985	76
nonsynonymous_SNV	38	117	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	194	814	25
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	143	573	14
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	132	668	19
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	59	219	3
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	10	0
frameshift_insertion	23	79	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	58	277	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	4	0
splicing	80	331	3

nonsynonymous_SNV	59	279	1
frameshift_insertion	7	20	0
frameshift_deletion	6	41	0
nonsynonymous_SNV	8	46	0
frameshift_deletion	41	166	3
nonsynonymous_SNV	213	965	107
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	68	343	4
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	1	2	436
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	16	39	0
nonsynonymous_SNV	72	333	4
nonsynonymous_SNV	44	255	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	31	0
frameshift_deletion	3	14	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	70	285	7
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	222	952	88
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	104	491	324
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	7	56	0
nonsynonymous_SNV	8	18	0
nonsynonymous_SNV	126	559	15
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	25	132	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	226	979	112

nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	112	444	6
nonsynonymous_SNV	159	652	28
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	204	851	183
nonsynonymous_SNV	35	166	1
frameshift_insertion	31	146	2
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	146	721	13
nonsynonymous_SNV	133	676	13
nonsynonymous_SNV	38	185	2
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	15	83	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	107	445	4
nonsynonymous_SNV	10	33	0
nonsynonymous_SNV	9	26	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	5	436
nonsynonymous_SNV	5	38	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	10	57	0
frameshift_deletion	4	7	0
nonsynonymous_SNV	124	455	9
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	118	396	6
nonsynonymous_SNV	2	26	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	11	39	0
nonsynonymous_SNV	10	25	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	19	0

nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	5	40	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	61	258	4
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	217	904	60
nonsynonymous_SNV	86	392	10
nonsynonymous_SNV	88	396	10
nonsynonymous_SNV	57	270	6
nonsynonymous_SNV	62	273	5
nonsynonymous_SNV	110	412	5
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	44	229	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	208	994	120
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	198	916	91
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	141	621	20
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	181	782	46
nonsynonymous_SNV	183	780	46
stopgain	4	22	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	10	55	0
nonsynonymous_SNV	33	133	1
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	9	48	0
nonsynonymous_SNV	32	169	2
nonsynonymous_SNV	103	478	12
nonsynonymous_SNV	103	475	12
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	102	478	12
nonsynonymous_SNV	94	432	8
nonsynonymous_SNV	0	3	437

nonsynonymous_SNV	89	431	8
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	75	431	8
nonsynonymous_SNV	72	430	9
nonsynonymous_SNV	189	953	79
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	133	665	24
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	81	363	2
nonsynonymous_SNV	133	664	24
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	110	526	12
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	44	0
nonsynonymous_SNV	186	688	21
nonsynonymous_SNV	186	688	21
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	8	15	0
nonsynonymous_SNV	51	232	3
nonsynonymous_SNV	16	70	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	7	0
stopgain	2	17	0
nonsynonymous_SNV	192	933	105
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	142	544	15
nonsynonymous_SNV	36	167	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	176	919	84
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	2	5	0

stopgain	5	19	0
nonsynonymous_SNV	55	175	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	131	597	16
nonsynonymous_SNV	27	103	1
nonsynonymous_SNV	107	465	16
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	156	718	34
nonsynonymous_SNV	180	882	178
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	78	358	3
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	14	54	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	176	736	223
nonsynonymous_SNV	133	449	292
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	15	46	0
nonsynonymous_SNV	163	733	25
nonsynonymous_SNV	41	172	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	233	946	111
nonframeshift_insertion	3	8	0
nonsynonymous_SNV	9	47	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	1	26	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	87	367	3
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	0	8	0

nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonframeshift_deletion	134	501	13
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	89	406	4
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	174	767	227
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	194	941	81
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	195	985	116
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	35	133	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	46	155	1
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	18	93	1
nonsynonymous_SNV	21	122	0
nonsynonymous_SNV	18	93	1
nonsynonymous_SNV	147	625	265
nonframeshift_deletion	3	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	202	896	62
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	29	105	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	3	19	0
splicing	52	230	2
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	17	60	1
nonsynonymous_SNV	195	932	108
nonsynonymous_SNV	196	919	99
nonsynonymous_SNV	196	918	99
nonsynonymous_SNV	195	924	131
nonsynonymous_SNV	28	116	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	201	924	99
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	38	170	1
nonsynonymous_SNV	64	306	2
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	12	54	0
nonsynonymous_SNV	106	478	11
nonsynonymous_SNV	56	262	4
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	11	27	0
nonsynonymous_SNV	53	241	4
nonsynonymous_SNV	23	106	1
nonsynonymous_SNV	116	535	308
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	198	889	169
nonsynonymous_SNV	18	51	0
nonsynonymous_SNV	153	667	24
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	64	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	205	962	86
nonsynonymous_SNV	9	34	0
nonsynonymous_SNV	107	506	319
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	16	56	0
nonsynonymous_SNV	15	95	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	182	819	53
nonsynonymous_SNV	52	303	384
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	120	592	14

nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	170	665	25
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	189	874	181
nonsynonymous_SNV	46	184	2
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	15	33	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	69	284	7
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	30	144	1
nonframeshift_deletion	1	5	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	226	927	123
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	11	40	0
nonsynonymous_SNV	109	465	9
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	33	139	2
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	13	28	0
nonsynonymous_SNV	97	451	334
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	164	759	37
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	108	549	9
nonsynonymous_SNV	109	551	9

nonsynonymous_SNV	55	296	5
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	90	348	339
nonsynonymous_SNV	106	457	9
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	20	109	1
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	185	946	86
nonsynonymous_SNV	177	720	238
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	89	332	341
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	101	413	327
nonsynonymous_SNV	24	96	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	9	39	0
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	114	523	10
nonsynonymous_SNV	184	724	33
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	24	117	1
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	126	616	298
nonsynonymous_SNV	135	671	276
nonsynonymous_SNV	74	346	356
nonsynonymous_SNV	187	985	84
nonsynonymous_SNV	21	68	0
nonsynonymous_SNV	140	610	18
nonsynonymous_SNV	124	556	7
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	219	987	98
nonsynonymous_SNV	163	741	22
nonsynonymous_SNV	31	117	1
nonsynonymous_SNV	165	749	23

nonsynonymous_SNV	163	741	22
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	27	145	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	13	0
nonframeshift_deletion	0	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	9	0
stopgain	13	39	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	13	39	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	7	17	0
nonsynonymous_SNV	0	5	0
stoploss	2	11	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	25	56	0
frameshift_insertion	8	13	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	52	259	3
nonsynonymous_SNV	13	60	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	60	270	3
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	60	272	3
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	7	0
nonsynonymous_SNV	60	270	3
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	8	13	0
nonsynonymous_SNV	6	6	0
nonsynonymous_SNV	18	74	0
nonsynonymous_SNV	8	13	0
frameshift_deletion	2	10	0
nonsynonymous_SNV	8	13	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	22	0
stopgain	1	5	0
nonsynonymous_SNV	2	12	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	7	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	106	518	15
nonsynonymous_SNV	106	512	15
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	21	90	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	8	40	0
nonsynonymous_SNV	137	690	275
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	13	43	1
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	35	188	1
nonsynonymous_SNV	7	31	1
nonsynonymous_SNV	213	942	88
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	210	937	91
nonsynonymous_SNV	33	153	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	2	5	0
frameshift_deletion	0	8	0

nonsynonymous_SNV	14	52	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	18	74	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	12	64	0
nonsynonymous_SNV	85	363	346
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	13	49	0
nonsynonymous_SNV	15	60	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	110	449	11
nonsynonymous_SNV	1	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	10	33	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	63	243	3
nonsynonymous_SNV	32	136	0
nonsynonymous_SNV	206	917	74
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	6	43	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	215	936	82
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	49	260	3
nonsynonymous_SNV	20	103	0
nonsynonymous_SNV	28	122	1
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	151	711	38
nonsynonymous_SNV	123	534	13
nonsynonymous_SNV	48	209	1
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	29	141	2
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	219	969	89
nonsynonymous_SNV	150	662	27
nonsynonymous_SNV	151	665	27

nonsynonymous_SNV	22	99	0
nonsynonymous_SNV	43	193	2
nonsynonymous_SNV	33	151	0
nonsynonymous_SNV	52	218	4
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	28	144	1
nonsynonymous_SNV	152	654	18
nonsynonymous_SNV	7	48	0
nonsynonymous_SNV	151	654	19
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	23	74	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	192	761	28
nonsynonymous_SNV	99	434	5
nonsynonymous_SNV	14	79	0
frameshift_deletion	1	15	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	200	923	179
nonsynonymous_SNV	68	266	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	166	693	32
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	21	90	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	21	0
frameshift_deletion	0	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	215	936	84
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	171	768	229
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	122	578	12
nonsynonymous_SNV	55	283	3
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	15	0

nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	142	665	20
nonsynonymous_SNV	23	93	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	212	870	50
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	34	213	3
frameshift_deletion	3	18	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	43	150	0
nonsynonymous_SNV	100	491	10
nonsynonymous_SNV	28	170	1
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	87	357	7
nonsynonymous_SNV	183	828	40
nonsynonymous_SNV	100	544	11
nonsynonymous_SNV	134	719	25
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	166	743	240
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	10	26	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	22	115	1
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	140	675	24
nonframeshift_deletion	4	16	0
nonsynonymous_SNV	154	654	13
nonsynonymous_SNV	152	654	13
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	176	816	217

nonsynonymous_SNV	153	673	23
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	153	675	23
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	23	120	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	15	54	0
nonsynonymous_SNV	159	724	25
nonsynonymous_SNV	14	49	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	173	782	226
nonsynonymous_SNV	9	72	0
nonsynonymous_SNV	185	807	205
nonsynonymous_SNV	86	349	7
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	7	23	0
frameshift_insertion	2	13	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	63	242	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	17	61	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	43	198	2
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	2	4	0

nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	19	46	0
nonsynonymous_SNV	12	60	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	142	667	26
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	93	354	5
nonsynonymous_SNV	161	687	246
nonsynonymous_SNV	48	187	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	196	870	60
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	93	350	5
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	247	965	101
nonsynonymous_SNV	184	730	228
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	123	539	11
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	205	984	93
nonsynonymous_SNV	185	815	35
nonsynonymous_SNV	197	873	40
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	121	588	15
nonsynonymous_SNV	99	379	2
nonsynonymous_SNV	72	328	3
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	99	375	2
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	9	54	0
nonframeshift_deletion	2	23	0
nonframeshift_insertion	1	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	136	491	3

nonsynonymous_SNV	9	57	0
nonsynonymous_SNV	6	5	0
nonsynonymous_SNV	73	395	5
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	41	191	4
nonsynonymous_SNV	236	931	127
nonsynonymous_SNV	207	913	63
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	160	800	48
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	57	216	3
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	43	175	2
nonsynonymous_SNV	21	99	2
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	15	84	0
nonsynonymous_SNV	100	422	7
nonsynonymous_SNV	1	25	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	15	82	0
nonsynonymous_SNV	1	25	0
nonsynonymous_SNV	43	207	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	23	74	0
nonsynonymous_SNV	102	453	15
nonsynonymous_SNV	34	153	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	9	24	0
nonsynonymous_SNV	15	72	0
nonsynonymous_SNV	19	56	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	12	59	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	113	588	20
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	186	823	44
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	14	96	0
nonsynonymous_SNV	47	228	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	52	241	1
nonsynonymous_SNV	22	104	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	208	940	144
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	217	927	77
nonsynonymous_SNV	35	153	2
nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	14	79	423
nonsynonymous_SNV	1	34	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	216	817	34
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	2	3	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	212	931	68
nonsynonymous_SNV	46	269	1
nonsynonymous_SNV	21	129	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	150	661	28
nonsynonymous_SNV	1	3	0
nonsynonymous_SNV	28	120	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	0	9	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	12	25	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	157	610	19
nonsynonymous_SNV	11	27	0
nonsynonymous_SNV	20	111	0
nonsynonymous_SNV	205	846	29
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	209	868	36
nonsynonymous_SNV	195	801	27
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	221	849	37
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	69	302	2
nonsynonymous_SNV	69	302	2
nonsynonymous_SNV	56	253	3
nonsynonymous_SNV	2	4	1
nonsynonymous_SNV	28	92	0
nonsynonymous_SNV	229	956	97
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	13	54	1
nonsynonymous_SNV	83	378	10
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	148	785	40
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	11	34	1
nonsynonymous_SNV	138	614	17
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	15	65	1
nonsynonymous_SNV	8	50	0
nonsynonymous_SNV	7	45	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	52	224	1
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	51	223	2
nonsynonymous_SNV	198	871	62

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	16	101	2
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	31	150	1
nonsynonymous_SNV	42	173	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	214	943	86
nonsynonymous_SNV	234	962	106
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	25	116	0
nonsynonymous_SNV	50	176	3
nonsynonymous_SNV	53	205	4
nonsynonymous_SNV	50	175	3
nonsynonymous_SNV	58	205	4
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	18	67	0
nonsynonymous_SNV	88	376	6
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	94	434	15
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	149	671	26
nonsynonymous_SNV	150	671	26
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	27	130	3
nonsynonymous_SNV	142	641	23
nonsynonymous_SNV	185	791	37
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	211	921	145
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	21	122	0
nonsynonymous_SNV	14	55	0

nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	1	5	0
frameshift_deletion	4	10	0
nonsynonymous_SNV	40	139	1
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	44	157	1
nonsynonymous_SNV	148	680	19
nonsynonymous_SNV	0	6	0
nonframeshift_deletion	0	21	0
nonsynonymous_SNV	167	806	38
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	26	104	1
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	16	69	0
nonframeshift_deletion	0	5	0
frameshift_deletion	0	15	0
nonsynonymous_SNV	65	276	4
nonsynonymous_SNV	34	163	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	96	450	12
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	6	0
stopgain	4	21	0

nonsynonymous_SNV	222	947	147
nonsynonymous_SNV	131	540	16
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	117	493	5
nonsynonymous_SNV	12	74	0
stopgain	10	34	0
nonsynonymous_SNV	13	44	0
nonsynonymous_SNV	22	89	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	50	246	1
nonsynonymous_SNV	6	49	0
nonsynonymous_SNV	217	934	78
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	12	0
frameshift_deletion	9	42	0
nonsynonymous_SNV	20	66	0
nonsynonymous_SNV	21	79	2
nonsynonymous_SNV	22	79	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	172	740	225
nonsynonymous_SNV	2	8	0
frameshift_deletion	1	5	0
frameshift_deletion	1	5	0
stopgain	1	5	0
stopgain	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	101	335	332
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	123	492	17
nonsynonymous_SNV	9	50	0
nonsynonymous_SNV	150	734	27
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	154	745	29
nonsynonymous_SNV	134	545	279
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	176	793	212
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	52	220	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	183	803	55
nonframeshift_deletion	24	128	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	24	129	0
nonsynonymous_SNV	197	866	55
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	13	29	0
nonsynonymous_SNV	12	46	0
nonsynonymous_SNV	14	50	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	23	114	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	0	4	437
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	5	37	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	4	13	0

nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	60	0
nonsynonymous_SNV	222	960	135
nonsynonymous_SNV	197	782	195
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	12	34	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	1	5	0
stopgain	3	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	16	76	1
nonsynonymous_SNV	38	130	1
nonsynonymous_SNV	10	24	0
nonsynonymous_SNV	189	848	41
nonsynonymous_SNV	93	403	5
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	216	923	105
nonsynonymous_SNV	35	102	1
nonsynonymous_SNV	8	35	0
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	75	282	4
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	183	860	53
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	179	763	28
nonsynonymous_SNV	189	765	39
nonsynonymous_SNV	108	426	9
nonsynonymous_SNV	207	907	177
nonsynonymous_SNV	207	907	177
nonsynonymous_SNV	179	742	29
nonsynonymous_SNV	177	752	37
nonsynonymous_SNV	65	398	366
nonsynonymous_SNV	65	373	6
nonsynonymous_SNV	185	722	20
nonsynonymous_SNV	185	720	20
nonsynonymous_SNV	6	21	0

nonsynonymous_SNV	116	559	15
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	151	674	270
nonsynonymous_SNV	12	33	0
nonsynonymous_SNV	1	9	0
stopgain	6	13	0
nonsynonymous_SNV	180	788	35
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	154	792	235
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	159	678	20
nonsynonymous_SNV	66	295	1
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	159	681	21
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	158	683	22
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	200	917	86
nonsynonymous_SNV	14	51	0
nonsynonymous_SNV	8	28	0
nonframeshift_insertion	10	30	0
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	13	61	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	20	105	0
nonsynonymous_SNV	13	58	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	13	53	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	4	24	0
splicing	1	15	0
nonsynonymous_SNV	184	957	113
nonsynonymous_SNV	17	138	1
nonsynonymous_SNV	18	82	0
nonsynonymous_SNV	213	988	88
nonframeshift_deletion	1	5	0
nonsynonymous_SNV	1	18	0

nonsynonymous_SNV	21	117	414
nonsynonymous_SNV	70	331	4
nonsynonymous_SNV	19	108	0
nonsynonymous_SNV	16	87	0
frameshift_insertion	42	194	1
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	45	212	2
nonsynonymous_SNV	1	1	436
nonsynonymous_SNV	1	1	436
nonsynonymous_SNV	24	111	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	53	237	4
nonsynonymous_SNV	127	594	17
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	25	80	0
frameshift_deletion	0	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	45	239	3
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	1	6	0
nonframeshift_deletion	0	14	0
nonframeshift_deletion	0	14	0
nonsynonymous_SNV	6	39	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	6	40	0
nonsynonymous_SNV	15	51	1
nonsynonymous_SNV	18	104	0
nonsynonymous_SNV	166	654	12

nonsynonymous_SNV	6	40	0
nonsynonymous_SNV	207	819	48
nonsynonymous_SNV	13	34	0
nonframeshift_deletion	5	29	0
frameshift_deletion	5	29	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	202	809	188
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	10	58	1
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	41	201	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	118	570	2
nonsynonymous_SNV	1	3	436
nonsynonymous_SNV	146	687	13
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	15	25	0
nonsynonymous_SNV	147	671	21
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	106	433	6
nonsynonymous_SNV	96	400	5
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	98	422	6
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	34	135	0

nonsynonymous_SNV	180	822	56
nonsynonymous_SNV	52	259	2
nonsynonymous_SNV	19	100	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	207	971	115
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	22	115	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	200	931	154
stopgain	117	540	12
nonsynonymous_SNV	130	658	19
nonsynonymous_SNV	203	835	200
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	8	14	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	151	692	258
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	31	113	1
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	4	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	192	834	203
nonsynonymous_SNV	70	297	2
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	97	401	335
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	215	938	91
nonsynonymous_SNV	204	921	73
nonframeshift_insertion	102	438	3
nonsynonymous_SNV	2	12	0

nonsynonymous_SNV	113	441	3
nonsynonymous_SNV	178	753	31
nonsynonymous_SNV	36	175	0
frameshift_deletion	3	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	60	319	3
nonsynonymous_SNV	0	18	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	32	149	0
nonframeshift_deletion	14	112	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	10	0
splicing	0	6	0
nonsynonymous_SNV	17	67	0
nonsynonymous_SNV	27	111	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	32	149	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	13	45	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	215	952	131
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	5	0
nonframeshift_insertion	0	12	0
nonsynonymous_SNV	181	787	42
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	18	95	418
nonsynonymous_SNV	46	130	0
nonsynonymous_SNV	102	462	7
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	77	314	5
nonsynonymous_SNV	45	174	4
nonsynonymous_SNV	0	10	0

nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	221	949	119
nonsynonymous_SNV	222	977	72
nonsynonymous_SNV	20	99	1
nonsynonymous_SNV	55	222	2
nonsynonymous_SNV	130	578	14
nonsynonymous_SNV	152	715	26
nonsynonymous_SNV	130	579	14
nonsynonymous_SNV	152	711	26
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	130	578	14
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	218	957	119
nonsynonymous_SNV	56	224	2
nonsynonymous_SNV	218	954	119
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	145	637	18
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	72	330	1
nonsynonymous_SNV	128	577	14
nonsynonymous_SNV	8	45	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	120	569	15
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	72	331	1
nonsynonymous_SNV	152	711	26
nonsynonymous_SNV	130	578	14
nonsynonymous_SNV	31	133	1
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	74	331	1
nonsynonymous_SNV	133	588	14
nonsynonymous_SNV	174	695	28
nonsynonymous_SNV	20	60	0
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	206	855	177
nonsynonymous_SNV	89	435	12
nonsynonymous_SNV	89	442	6
nonsynonymous_SNV	178	700	29
nonsynonymous_SNV	6	42	0
nonsynonymous_SNV	18	89	2

nonsynonymous_SNV	33	128	0
nonsynonymous_SNV	138	656	19
stopgain	2	4	0
nonsynonymous_SNV	195	857	57
nonsynonymous_SNV	70	322	4
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	5	0
stopgain	1	6	0
nonsynonymous_SNV	137	677	23
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	53	212	0
splicing	4	17	0
nonsynonymous_SNV	186	926	66
nonsynonymous_SNV	43	243	2
nonsynonymous_SNV	66	430	10
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	9	49	1
nonsynonymous_SNV	13	39	0
nonsynonymous_SNV	13	43	0
nonsynonymous_SNV	12	39	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	16	64	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	180	897	57
nonsynonymous_SNV	8	41	0
nonsynonymous_SNV	180	965	94
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	12	88	0
nonsynonymous_SNV	211	897	58
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	21	132	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	19	83	0

nonsynonymous_SNV	54	218	3
nonsynonymous_SNV	22	133	0
nonsynonymous_SNV	223	976	127
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	16	73	1
nonsynonymous_SNV	19	83	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	93	416	7
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	50	212	1
nonsynonymous_SNV	50	214	1
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	84	399	344
frameshift_deletion	1	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	129	532	295
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	15	0
nonframeshift_deletion	2	3	0
nonsynonymous_SNV	14	70	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	20	61	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	96	442	331
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	24	85	1
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	72	347	4
nonsynonymous_SNV	73	342	4
nonsynonymous_SNV	73	347	4
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	54	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	9	19	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	153	656	21
nonsynonymous_SNV	100	451	8
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	174	745	227
nonsynonymous_SNV	181	748	228
nonsynonymous_SNV	181	748	228
nonsynonymous_SNV	181	749	228
nonsynonymous_SNV	181	744	228
nonsynonymous_SNV	181	743	228
nonsynonymous_SNV	8	50	0
nonsynonymous_SNV	87	396	339
nonsynonymous_SNV	9	22	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	18	88	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	180	823	36
nonsynonymous_SNV	1	1	435
nonsynonymous_SNV	175	813	35
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	145	689	267
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	27	129	0
nonsynonymous_SNV	125	598	298
nonsynonymous_SNV	131	650	284
nonsynonymous_SNV	36	212	2
frameshift_deletion	5	6	0
nonsynonymous_SNV	3	5	0
frameshift_deletion	4	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	125	601	11
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	81	334	2
nonsynonymous_SNV	31	130	0
nonsynonymous_SNV	123	471	13
nonsynonymous_SNV	17	68	0
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	9	25	0
nonsynonymous_SNV	42	149	1
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	7	17	1
nonsynonymous_SNV	201	875	176
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	121	621	22
nonsynonymous_SNV	120	546	291
nonsynonymous_SNV	47	147	1
nonsynonymous_SNV	61	315	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	118	537	294
nonsynonymous_SNV	48	203	3
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	29	154	3
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	54	173	2
frameshift_deletion	54	172	2
frameshift_deletion	54	172	2
nonsynonymous_SNV	31	133	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	45	141	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	170	749	30
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	170	752	29
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	12	77	0

nonsynonymous_SNV	132	665	18
nonsynonymous_SNV	203	938	148
nonsynonymous_SNV	184	866	199
nonsynonymous_SNV	11	60	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	19	96	0
nonframeshift_insertion	2	4	0
nonsynonymous_SNV	17	76	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	215	967	106
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	18	96	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	198	799	172
nonframeshift_deletion	3	11	0
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	209	928	123
nonsynonymous_SNV	65	292	4
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	87	420	2
splicing	54	312	2
nonsynonymous_SNV	101	389	4
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	70	285	4
nonframeshift_deletion	33	133	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	145	583	16
nonsynonymous_SNV	142	578	16
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	140	583	17
nonsynonymous_SNV	2	6	0

nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	77	289	4
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	62	268	5
nonsynonymous_SNV	22	83	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	52	227	4
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	16	115	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	145	604	27
nonsynonymous_SNV	46	259	3
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	3	1
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	17	52	0
nonsynonymous_SNV	72	241	7
nonsynonymous_SNV	27	124	0
nonsynonymous_SNV	102	410	13
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	24	127	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	27	127	0
nonframeshift_insertion	13	69	0
nonframeshift_insertion	5	35	0
nonsynonymous_SNV	73	240	6
nonsynonymous_SNV	73	242	6
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	38	125	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	27	124	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	13	33	1
nonsynonymous_SNV	27	124	0

nonsynonymous_SNV	37	125	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	10	36	0
stopgain	0	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	23	115	0
frameshift_deletion	3	9	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	72	303	3
nonsynonymous_SNV	33	154	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	204	874	57
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	88	411	9
nonsynonymous_SNV	204	917	103
nonsynonymous_SNV	13	40	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	191	865	67
splicing	0	8	0
nonsynonymous_SNV	25	87	1
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	25	87	1
nonsynonymous_SNV	9	34	0
nonsynonymous_SNV	113	521	9
nonsynonymous_SNV	186	918	72
nonsynonymous_SNV	3	17	0
frameshift_insertion	1	4	0
nonsynonymous_SNV	196	866	50
nonsynonymous_SNV	9	16	0
nonsynonymous_SNV	5	13	0
frameshift_deletion	0	5	0
nonsynonymous_SNV	23	71	0
nonsynonymous_SNV	5	45	0
nonsynonymous_SNV	23	79	0
nonsynonymous_SNV	10	46	426
nonsynonymous_SNV	80	346	6
nonsynonymous_SNV	0	10	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	86	429	9
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	189	902	65
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	199	835	162
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	223	908	161
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	151	627	21
nonsynonymous_SNV	5	18	0
stopgain	0	5	0
nonsynonymous_SNV	11	32	0
nonsynonymous_SNV	9	34	0
nonsynonymous_SNV	150	586	20
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	19	128	0
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	11	55	1
nonsynonymous_SNV	198	917	95
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	214	940	112
nonsynonymous_SNV	86	400	3
nonsynonymous_SNV	135	586	17
nonsynonymous_SNV	34	120	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	4	0
stopgain	2	4	0
nonsynonymous_SNV	16	65	0
nonsynonymous_SNV	18	71	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	59	224	2
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	102	363	6
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	8	0
frameshift_deletion	212	849	49
nonsynonymous_SNV	0	10	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	18	110	1
nonsynonymous_SNV	26	123	1
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	169	783	42
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	15	56	0
stopgain	2	7	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	5	0
frameshift_insertion	155	807	39
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	59	220	1
stopgain	33	218	1
nonsynonymous_SNV	49	240	0
nonsynonymous_SNV	184	794	42
frameshift_deletion	8	14	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	46	174	1
nonsynonymous_SNV	58	307	2
nonsynonymous_SNV	8	9	0
nonsynonymous_SNV	195	837	46
nonsynonymous_SNV	58	302	2
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	9	41	0
stopgain	1	5	0
nonsynonymous_SNV	85	415	7
nonsynonymous_SNV	92	393	10
nonsynonymous_SNV	92	393	10
frameshift_deletion	149	693	31
frameshift_deletion	149	691	31
nonsynonymous_SNV	149	689	31
nonsynonymous_SNV	148	688	31
nonsynonymous_SNV	193	863	53
nonsynonymous_SNV	193	860	53
stopgain	0	5	0
nonsynonymous_SNV	193	861	53

nonsynonymous_SNV	59	318	5
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	93	441	8
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	225	912	68
nonsynonymous_SNV	6	32	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	225	913	68
nonsynonymous_SNV	136	599	24
nonsynonymous_SNV	90	434	8
nonsynonymous_SNV	19	107	0
frameshift_insertion	2	37	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	92	403	6
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	114	420	10
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	88	420	6
nonsynonymous_SNV	210	946	147
nonsynonymous_SNV	88	422	6
nonsynonymous_SNV	79	382	3
stopgain	2	4	0
frameshift_deletion	5	37	0
nonsynonymous_SNV	116	448	313
nonsynonymous_SNV	115	448	8
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	201	812	23
nonsynonymous_SNV	201	812	23
nonsynonymous_SNV	21	91	0
nonsynonymous_SNV	72	336	2
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	222	935	113
nonsynonymous_SNV	223	934	112
nonsynonymous_SNV	223	935	112
nonsynonymous_SNV	112	415	6
nonsynonymous_SNV	1	11	0

nonsynonymous_SNV	146	556	20
nonsynonymous_SNV	25	103	1
nonsynonymous_SNV	157	632	20
nonsynonymous_SNV	80	372	3
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	2	437
frameshift_insertion	141	707	23
nonsynonymous_SNV	49	174	2
nonsynonymous_SNV	11	56	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	23	91	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	122	528	305
nonsynonymous_SNV	9	0	0
nonsynonymous_SNV	7	0	0
nonsynonymous_SNV	6	0	0
nonsynonymous_SNV	7	0	0
nonframeshift_insertion	6	0	0
nonframeshift_deletion	6	0	0
nonsynonymous_SNV	7	0	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	209	928	74
nonsynonymous_SNV	203	826	208
nonsynonymous_SNV	168	758	38
nonsynonymous_SNV	209	849	165
nonsynonymous_SNV	78	265	356
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	213	990	89
nonsynonymous_SNV	49	161	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	49	166	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	49	159	1
frameshift_deletion	48	156	1
frameshift_deletion	48	156	1
frameshift_deletion	48	156	1
frameshift_deletion	48	156	1
nonsynonymous_SNV	132	636	14
nonsynonymous_SNV	157	763	23
nonsynonymous_SNV	42	237	1

nonsynonymous_SNV	158	765	23
nonsynonymous_SNV	158	765	23
nonsynonymous_SNV	211	905	154
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	158	763	23
nonsynonymous_SNV	158	762	23
nonsynonymous_SNV	159	767	22
nonsynonymous_SNV	159	764	22
nonsynonymous_SNV	42	235	1
nonsynonymous_SNV	158	764	23
nonsynonymous_SNV	117	541	16
nonsynonymous_SNV	158	765	23
stopgain	0	8	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	135	589	283
nonsynonymous_SNV	135	587	282
nonsynonymous_SNV	181	899	60
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	135	592	283
nonsynonymous_SNV	8	45	0
nonsynonymous_SNV	181	921	69
nonsynonymous_SNV	181	921	69
nonsynonymous_SNV	181	920	69
nonsynonymous_SNV	181	920	69
nonsynonymous_SNV	15	82	1
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	181	920	69
stopgain	181	922	69
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	181	919	69
nonsynonymous_SNV	36	139	1
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	5	38	0
nonsynonymous_SNV	212	958	142
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	130	602	18
nonsynonymous_SNV	27	69	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	112	396	13
nonsynonymous_SNV	2	9	0

frameshift_insertion	206	959	55
nonsynonymous_SNV	22	107	0
nonsynonymous_SNV	100	438	5
nonframeshift_deletion	32	89	0
frameshift_insertion	95	453	10
nonsynonymous_SNV	102	409	8
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	202	945	54
nonsynonymous_SNV	110	566	12
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	45	168	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	5	435
stopgain	1	8	0
nonsynonymous_SNV	158	775	241
nonsynonymous_SNV	157	759	34
nonsynonymous_SNV	158	752	32
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	19	73	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	198	918	163
nonsynonymous_SNV	128	562	294
nonsynonymous_SNV	197	913	164
nonsynonymous_SNV	196	814	47
nonsynonymous_SNV	215	954	107
nonsynonymous_SNV	47	194	0
nonsynonymous_SNV	178	716	234
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	29	121	1
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	18	75	1
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	33	139	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	49	213	1
nonsynonymous_SNV	47	187	2
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	99	385	4

nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	208	922	166
nonsynonymous_SNV	28	158	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	124	458	299
nonsynonymous_SNV	59	209	3
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	24	113	411
nonsynonymous_SNV	123	522	9
nonsynonymous_SNV	26	114	409
nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	24	111	411
nonsynonymous_SNV	193	850	198
nonsynonymous_SNV	180	807	38
frameshift_deletion	52	209	0
nonsynonymous_SNV	83	366	4
nonsynonymous_SNV	52	212	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	52	209	0
nonsynonymous_SNV	6	4	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	205	866	174
nonsynonymous_SNV	53	212	0
nonsynonymous_SNV	211	925	145
nonsynonymous_SNV	52	212	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	199	786	45
nonsynonymous_SNV	207	820	49
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	207	816	49
nonsynonymous_SNV	207	820	49
nonsynonymous_SNV	207	820	49
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	11	29	0
nonsynonymous_SNV	53	221	0
nonsynonymous_SNV	153	606	273
nonsynonymous_SNV	154	608	273
nonsynonymous_SNV	4	23	0

nonsynonymous_SNV	210	905	81
nonsynonymous_SNV	216	846	56
nonsynonymous_SNV	211	903	80
nonsynonymous_SNV	3	6	0
stopgain	62	301	4
nonsynonymous_SNV	26	95	1
stopgain	6	28	0
nonsynonymous_SNV	127	546	292
nonsynonymous_SNV	138	620	272
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	139	619	272
nonsynonymous_SNV	86	308	4
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	11	39	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	216	934	76
nonsynonymous_SNV	33	125	0
nonsynonymous_SNV	166	658	245
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	180	730	226
nonsynonymous_SNV	66	249	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	16	39	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	197	923	121
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	8	15	0
nonsynonymous_SNV	20	86	0
nonsynonymous_SNV	22	109	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	15	0
nonsynonymous_SNV	50	188	0
nonsynonymous_SNV	0	5	0
stopgain	3	5	0
nonsynonymous_SNV	192	941	108
nonsynonymous_SNV	1	4	0
nonframeshift_insertion	1	3	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	26	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	206	936	126
nonsynonymous_SNV	200	923	141
nonsynonymous_SNV	121	566	18
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	133	600	19
nonsynonymous_SNV	171	835	59
stopgain	1	13	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	17	108	1
nonsynonymous_SNV	19	61	0
nonframeshift_insertion	0	2	437
nonsynonymous_SNV	139	679	28
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	10	25	0
nonsynonymous_SNV	12	63	0
nonsynonymous_SNV	187	864	60
nonsynonymous_SNV	7	38	0
stopgain	1	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	204	955	100
nonsynonymous_SNV	15	72	1
nonsynonymous_SNV	202	901	75
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	17	32	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	62	286	2
nonsynonymous_SNV	7	50	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	211	889	52

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	9	19	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	47	0
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	154	665	24
nonsynonymous_SNV	120	531	309
nonsynonymous_SNV	190	870	50
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	38	117	1
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	43	0
nonsynonymous_SNV	198	874	58
nonsynonymous_SNV	211	936	62
nonsynonymous_SNV	53	226	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	207	927	161
nonsynonymous_SNV	104	446	6
nonsynonymous_SNV	1	6	436
nonsynonymous_SNV	9	20	0
nonsynonymous_SNV	177	681	22
nonsynonymous_SNV	209	878	161
frameshift_deletion	34	152	1
nonsynonymous_SNV	147	596	9
nonsynonymous_SNV	214	897	54
nonsynonymous_SNV	209	876	49
nonsynonymous_SNV	1	4	0
splicing	0	11	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	137	687	26
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	5	0
stopgain	1	4	0
nonsynonymous_SNV	6	7	0
nonsynonymous_SNV	23	104	413
nonsynonymous_SNV	74	308	7
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	35	0

nonsynonymous_SNV	218	855	158
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	149	624	26
nonsynonymous_SNV	28	102	0
nonsynonymous_SNV	20	122	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	219	899	146
nonsynonymous_SNV	20	122	1
nonsynonymous_SNV	20	122	1
nonsynonymous_SNV	147	627	26
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	156	687	29
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	130	563	10
nonsynonymous_SNV	29	131	0
nonsynonymous_SNV	18	92	0
nonsynonymous_SNV	6	14	0
nonframeshift_deletion	34	146	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	10	17	0
nonsynonymous_SNV	168	686	236
nonsynonymous_SNV	40	175	1
nonsynonymous_SNV	10	17	0
nonsynonymous_SNV	37	125	1
nonsynonymous_SNV	11	40	0
nonsynonymous_SNV	106	458	12
nonsynonymous_SNV	106	457	12
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	42	199	393
nonsynonymous_SNV	24	103	2
nonsynonymous_SNV	178	827	48
nonsynonymous_SNV	188	904	77
nonsynonymous_SNV	151	698	39
nonsynonymous_SNV	151	702	39
nonsynonymous_SNV	151	702	39
nonsynonymous_SNV	151	700	39

frameshift_insertion	0	5	0
frameshift_insertion	0	5	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	8	55	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	150	641	259
nonsynonymous_SNV	30	159	0
nonsynonymous_SNV	235	898	65
nonsynonymous_SNV	235	899	65
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	20	75	1
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	26	128	1
nonsynonymous_SNV	11	32	0
nonsynonymous_SNV	58	255	1
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	29	118	1
nonsynonymous_SNV	57	258	1
nonsynonymous_SNV	8	52	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	21	81	0
nonsynonymous_SNV	177	712	32
nonsynonymous_SNV	177	712	32
nonsynonymous_SNV	12	50	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	150	568	21
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	212	856	162
nonsynonymous_SNV	48	245	3
nonsynonymous_SNV	5	15	0

nonsynonymous_SNV	48	245	3
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	198	799	55
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	44	210	4
nonsynonymous_SNV	156	724	41
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	183	873	69
nonsynonymous_SNV	1	8	436
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	183	918	171
nonsynonymous_SNV	126	532	14
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	181	873	187
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	94	445	9
nonsynonymous_SNV	9	35	0
nonsynonymous_SNV	176	802	37
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	178	833	208
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	93	388	5
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	19	46	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	17	54	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	22	86	0

nonsynonymous_SNV	28	124	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	42	215	4
nonsynonymous_SNV	6	47	431
nonsynonymous_SNV	174	826	214
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	18	135	2
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	50	280	3
nonsynonymous_SNV	50	272	3
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	17	61	0
nonsynonymous_SNV	172	796	227
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	15	42	0
nonsynonymous_SNV	0	7	0
splicing	10	69	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	180	843	60
nonsynonymous_SNV	23	89	0
stopgain	1	6	0
nonsynonymous_SNV	65	234	367
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	175	843	53
nonsynonymous_SNV	6	44	0
nonsynonymous_SNV	25	94	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	12	68	1
nonsynonymous_SNV	18	102	2
nonsynonymous_SNV	1	7	0

nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	89	343	7
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	54	269	2
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	28	145	1
nonsynonymous_SNV	81	300	6
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	0	22	0
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	20	76	0
nonsynonymous_SNV	16	75	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	10	39	1
nonsynonymous_SNV	97	392	10
nonsynonymous_SNV	8	50	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	8	0
nonframeshift_deletion	165	725	26
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	197	904	191
nonsynonymous_SNV	33	179	2
nonsynonymous_SNV	77	241	4
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	197	926	142
nonsynonymous_SNV	0	7	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	104	534	14
nonsynonymous_SNV	108	535	19
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	20	134	0
nonsynonymous_SNV	88	507	12

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	165	896	52
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	23	139	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	99	548	13
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	16	99	0
nonsynonymous_SNV	89	385	5
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	21	66	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	75	327	1
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	22	117	0
nonsynonymous_SNV	12	88	0
nonsynonymous_SNV	122	525	9
nonsynonymous_SNV	146	672	266
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	26	98	411
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	29	138	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	83	373	2
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	7	31	0
splicing	2	5	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	3	0
nonsynonymous_SNV	14	49	0
nonsynonymous_SNV	42	179	1
nonsynonymous_SNV	2	6	0
nonframeshift_deletion	13	112	0
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	16	75	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	43	200	2
nonframeshift_deletion	6	9	0
nonsynonymous_SNV	44	172	2
nonsynonymous_SNV	11	41	0
nonsynonymous_SNV	23	99	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	14	74	0
nonsynonymous_SNV	172	692	239
nonsynonymous_SNV	173	698	238
nonsynonymous_SNV	137	555	12
nonsynonymous_SNV	7	45	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	10	0
splicing	5	16	0
nonsynonymous_SNV	200	932	64
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	4	56	0
nonsynonymous_SNV	8	27	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	35	206	1
nonsynonymous_SNV	193	785	197
nonsynonymous_SNV	36	131	0
nonsynonymous_SNV	7	31	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	180	849	56
nonsynonymous_SNV	22	94	0
nonsynonymous_SNV	14	49	2
nonsynonymous_SNV	129	572	13
nonsynonymous_SNV	22	93	0
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	40	201	0
nonsynonymous_SNV	4	35	0
nonsynonymous_SNV	52	178	383
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	18	115	0
nonsynonymous_SNV	144	670	266
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	105	494	12
nonsynonymous_SNV	167	784	37
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	172	691	237
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	47	159	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	211	907	150
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	50	1
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	15	64	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	29	132	1
nonsynonymous_SNV	208	935	82
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	193	841	193
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	9	65	0
nonsynonymous_SNV	44	178	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	43	204	2

nonsynonymous_SNV	180	833	44
nonframeshift_deletion	3	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	8	0
nonframeshift_deletion	7	14	0
frameshift_deletion	7	14	0
nonsynonymous_SNV	43	206	2
nonsynonymous_SNV	20	75	0
nonsynonymous_SNV	37	96	0
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	11	60	1
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	142	582	17
nonsynonymous_SNV	46	195	3
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	176	744	53
nonsynonymous_SNV	13	71	0
nonsynonymous_SNV	39	132	4
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	9	49	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	9	44	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	6	45	0
nonsynonymous_SNV	58	332	5
nonsynonymous_SNV	1	3	436
nonsynonymous_SNV	10	40	0
nonsynonymous_SNV	58	233	4
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	30	146	2
nonsynonymous_SNV	54	217	0

nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	26	151	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	126	576	12
nonsynonymous_SNV	20	89	1
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	13	72	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	12	73	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	8	16	0
frameshift_insertion	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	58	238	3
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	186	878	62
nonsynonymous_SNV	206	857	44
nonsynonymous_SNV	172	887	61
nonsynonymous_SNV	86	401	5
nonsynonymous_SNV	32	115	0
nonsynonymous_SNV	194	819	44
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	169	812	226
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	115	596	311
splicing	5	51	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	0	10	0
frameshift_deletion	0	10	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	29	174	0
nonsynonymous_SNV	60	274	3
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	183	841	66
nonsynonymous_SNV	10	72	1
nonsynonymous_SNV	101	376	6
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	10	72	1
nonsynonymous_SNV	1	32	0
nonsynonymous_SNV	25	83	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	7	17	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	194	785	35
stopgain	0	8	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	172	756	19
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	131	479	13
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	217	920	77
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	232	935	96
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	185	854	211
nonsynonymous_SNV	221	900	50
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	6	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	15	86	0
nonsynonymous_SNV	75	386	6
nonsynonymous_SNV	5	31	0
nonframeshift_deletion	3	7	0
nonsynonymous_SNV	26	81	1
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	22	147	0
splicing	0	1	437
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	85	469	5
nonsynonymous_SNV	84	471	6
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	18	75	0
nonsynonymous_SNV	209	975	138
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	82	456	4
nonsynonymous_SNV	183	852	210
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	30	105	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	26	0
nonsynonymous_SNV	190	787	46
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	11	42	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	165	810	32
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	102	585	12

nonsynonymous_SNV	82	328	3
stopgain	52	195	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	0	9	0
nonframeshift_deletion	1	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	100	405	4
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	63	309	7
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	102	438	4
nonsynonymous_SNV	1	2	435
nonsynonymous_SNV	19	72	1
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	15	50	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	41	165	3
stoploss	4	18	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	9	72	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	202	927	133
nonsynonymous_SNV	10	68	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	13	51	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	132	482	20
nonsynonymous_SNV	132	483	21
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	209	964	129

nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	144	511	24
nonsynonymous_SNV	62	253	1
stopgain	95	455	5
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	96	466	5
nonframeshift_deletion	173	710	221
stopgain	173	709	221
nonsynonymous_SNV	212	974	124
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	139	669	19
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	196	952	177
nonsynonymous_SNV	98	416	3
nonsynonymous_SNV	52	226	1
nonsynonymous_SNV	0	19	0
nonsynonymous_SNV	53	197	0
nonsynonymous_SNV	53	203	0
stopgain	53	206	0
nonsynonymous_SNV	53	202	0
nonsynonymous_SNV	51	187	0
nonsynonymous_SNV	51	182	0
nonsynonymous_SNV	50	128	0
nonsynonymous_SNV	30	121	0
nonsynonymous_SNV	155	742	28
nonsynonymous_SNV	52	219	1
nonsynonymous_SNV	52	218	1
nonsynonymous_SNV	52	218	1
nonsynonymous_SNV	52	218	1
nonsynonymous_SNV	52	219	1
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	153	675	27
nonsynonymous_SNV	52	219	1
nonsynonymous_SNV	94	373	8
stopgain	3	11	0
stopgain	158	740	28
nonsynonymous_SNV	52	218	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	88	409	344

nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	52	219	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	26	70	0
nonsynonymous_SNV	227	991	124
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	52	219	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	8	46	0
nonsynonymous_SNV	12	46	0
nonsynonymous_SNV	3	1	434
nonsynonymous_SNV	85	419	3
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	52	225	1
nonsynonymous_SNV	94	369	8
nonsynonymous_SNV	69	313	3
nonsynonymous_SNV	69	313	3
nonsynonymous_SNV	52	226	1
nonsynonymous_SNV	4	1	433
nonsynonymous_SNV	52	226	1
nonsynonymous_SNV	69	313	3
nonsynonymous_SNV	53	226	1
nonsynonymous_SNV	7	17	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	29	70	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	69	313	3
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	69	311	3
nonsynonymous_SNV	50	230	2
nonsynonymous_SNV	60	282	2
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	69	312	3
nonsynonymous_SNV	60	282	2
nonsynonymous_SNV	85	419	3
nonsynonymous_SNV	60	282	2
nonsynonymous_SNV	60	275	2
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	60	281	2
nonsynonymous_SNV	69	314	3
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	61	285	2

nonsynonymous_SNV	61	285	2
nonsynonymous_SNV	61	286	2
nonsynonymous_SNV	61	286	2
nonsynonymous_SNV	31	135	1
nonsynonymous_SNV	61	284	2
nonsynonymous_SNV	69	320	3
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	25	1
nonsynonymous_SNV	11	18	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	85	412	4
nonsynonymous_SNV	59	286	2
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	59	286	2
frameshift_deletion	59	286	2
nonsynonymous_SNV	59	286	2
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	59	286	2
nonsynonymous_SNV	59	286	2
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	59	286	2
nonsynonymous_SNV	59	286	2
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	87	409	3
nonsynonymous_SNV	59	284	2
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	59	284	2
nonsynonymous_SNV	128	605	15
nonsynonymous_SNV	134	651	25
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	207	884	177
nonsynonymous_SNV	11	25	0
stopgain	18	50	0
nonsynonymous_SNV	208	880	177
nonsynonymous_SNV	193	874	69
nonsynonymous_SNV	192	874	69
nonsynonymous_SNV	57	278	2
nonsynonymous_SNV	3	8	0
frameshift_deletion	1	5	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	57	277	2
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	13	37	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	35	132	0
nonsynonymous_SNV	190	871	69
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	174	791	34
nonsynonymous_SNV	111	467	13
nonsynonymous_SNV	156	754	244
nonsynonymous_SNV	57	279	2
nonsynonymous_SNV	57	278	2
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	56	273	2
nonsynonymous_SNV	57	276	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	58	276	2
nonsynonymous_SNV	37	209	2
nonframeshift_deletion	10	11	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	59	271	2
nonsynonymous_SNV	170	758	237
stopgain	59	271	2
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	17	68	0
nonsynonymous_SNV	1	4	0
frameshift_deletion	157	647	21
nonsynonymous_SNV	112	472	11
stopgain	182	850	205
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	51	216	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	18	90	0
nonsynonymous_SNV	8	9	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	203	847	36
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	65	315	1
nonsynonymous_SNV	49	224	2

nonsynonymous_SNV	212	920	158
frameshift_deletion	2	8	0
nonsynonymous_SNV	88	375	9
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	40	195	1
nonsynonymous_SNV	40	193	1
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	11	69	0
nonsynonymous_SNV	40	196	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	40	196	1
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	70	319	6
nonsynonymous_SNV	229	931	119
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	21	77	1
nonframeshift_deletion	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	39	189	1
nonsynonymous_SNV	204	905	68
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	59	278	3
nonsynonymous_SNV	1	2	436
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	162	741	44
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	22	74	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	1	25	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	165	780	33
nonsynonymous_SNV	165	780	33
frameshift_deletion	135	597	17
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	11	31	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	17	1
nonsynonymous_SNV	28	119	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	167	750	20
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	85	334	10
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	207	963	90
nonsynonymous_SNV	207	958	87
nonsynonymous_SNV	14	28	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	122	464	9
frameshift_deletion	2	3	0
nonsynonymous_SNV	11	64	425
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	205	933	72
nonsynonymous_SNV	11	64	1
nonsynonymous_SNV	11	65	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	193	906	186
nonsynonymous_SNV	11	63	1
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	193	915	186
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	192	907	57
nonsynonymous_SNV	192	904	57
nonsynonymous_SNV	192	905	57
nonsynonymous_SNV	191	905	57
nonsynonymous_SNV	191	908	57
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	192	907	57
nonsynonymous_SNV	0	9	0
frameshift_deletion	32	158	0

nonsynonymous_SNV	140	656	25
nonsynonymous_SNV	217	947	85
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	14	78	0
nonsynonymous_SNV	16	80	0
nonsynonymous_SNV	1	5	0
frameshift_deletion	9	24	0
frameshift_deletion	12	47	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	5	41	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	21	60	416
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	30	126	1
frameshift_deletion	28	105	0
nonsynonymous_SNV	0	5	0
frameshift_insertion	6	32	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	91	420	4
nonsynonymous_SNV	185	749	28
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	177	808	214
nonsynonymous_SNV	163	715	35
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	22	117	3
nonsynonymous_SNV	6	53	0
nonsynonymous_SNV	6	53	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	164	714	35
nonsynonymous_SNV	6	58	431
nonsynonymous_SNV	9	75	0
nonsynonymous_SNV	39	183	0
frameshift_deletion	8	72	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	183	820	45
nonsynonymous_SNV	174	810	39
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	25	0

nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	6	41	0
nonsynonymous_SNV	69	359	364
stopgain	8	61	0
nonsynonymous_SNV	45	244	2
nonsynonymous_SNV	34	168	2
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	28	95	0
nonframeshift_deletion	1	7	0
nonsynonymous_SNV	6	38	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	41	200	1
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	40	169	0
nonsynonymous_SNV	0	5	0
stopgain	2	3	0
splicing	0	5	0
nonsynonymous_SNV	18	97	0
nonsynonymous_SNV	0	14	0
frameshift_deletion	2	7	0
nonsynonymous_SNV	105	508	8
nonsynonymous_SNV	175	798	37
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	33	98	0
nonsynonymous_SNV	218	924	160
nonsynonymous_SNV	8	68	0
nonsynonymous_SNV	8	29	0
frameshift_deletion	2	14	0
stopgain	220	958	79
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	15	69	1
nonsynonymous_SNV	102	415	324
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	202	916	74
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	219	935	87
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	71	328	4
nonsynonymous_SNV	3	33	0
nonsynonymous_SNV	93	415	4
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	116	564	304
nonsynonymous_SNV	14	83	1
nonsynonymous_SNV	27	95	1
nonsynonymous_SNV	25	134	1
nonsynonymous_SNV	32	120	2
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	50	200	2
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	210	933	82
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	17	67	0
nonsynonymous_SNV	151	691	33
nonsynonymous_SNV	203	844	54
nonsynonymous_SNV	48	242	2
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	124	567	17
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	219	983	119
nonsynonymous_SNV	192	904	190
nonsynonymous_SNV	64	350	4
nonsynonymous_SNV	7	51	0
nonsynonymous_SNV	38	193	2
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	93	393	11
splicing	101	469	322
nonsynonymous_SNV	107	495	314
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	9	25	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	9	23	0
nonsynonymous_SNV	33	191	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	10	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	19	103	0
nonsynonymous_SNV	99	450	12
nonsynonymous_SNV	198	825	46
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	182	859	195
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	188	859	39
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	21	111	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	25	0
nonsynonymous_SNV	17	60	1
nonsynonymous_SNV	21	111	0
nonsynonymous_SNV	37	167	2
nonsynonymous_SNV	21	111	0
nonsynonymous_SNV	9	47	0
nonsynonymous_SNV	21	111	0
nonsynonymous_SNV	21	111	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	5	23	0
frameshift_deletion	2	20	0
stopgain	193	884	51
nonsynonymous_SNV	193	884	51
frameshift_insertion	2	12	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	1	5	0
nonframeshift_deletion	2	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	13	94	0
nonsynonymous_SNV	2	40	0
nonsynonymous_SNV	4	18	0

nonsynonymous_SNV	146	681	28
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	33	100	1
nonsynonymous_SNV	51	205	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	23	0
splicing	52	205	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	7	53	0
nonsynonymous_SNV	2	5	0
stopgain	137	616	265
nonsynonymous_SNV	188	961	116
nonsynonymous_SNV	181	816	56
nonsynonymous_SNV	120	506	306
frameshift_insertion	3	7	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	208	926	60
nonsynonymous_SNV	208	925	60
splicing	7	24	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	31	128	1
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	48	255	1
nonsynonymous_SNV	211	946	131
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	3	20	1
nonsynonymous_SNV	28	150	1
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	131	581	288
nonsynonymous_SNV	5	36	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	54	241	1
nonframeshift_deletion	0	7	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	129	512	9
nonsynonymous_SNV	7	46	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	56	248	2
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	79	0
nonsynonymous_SNV	9	53	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	98	500	8
nonsynonymous_SNV	6	8	1
nonsynonymous_SNV	19	54	0
nonsynonymous_SNV	107	454	7
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	202	884	61
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	14	92	1
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	9	0
stopgain	8	17	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	9	0

nonsynonymous_SNV	0	5	0
stopgain	1	6	0
nonsynonymous_SNV	3	16	434
nonsynonymous_SNV	15	66	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	2	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	44	205	4
nonsynonymous_SNV	3	12	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	77	1
nonsynonymous_SNV	65	271	3
nonsynonymous_SNV	17	37	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	43	218	2
nonsynonymous_SNV	6	3	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	11	81	1
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	32	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	223	968	88
nonsynonymous_SNV	10	57	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	86	289	6
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	194	828	46
nonsynonymous_SNV	209	878	63
nonsynonymous_SNV	196	832	47
nonsynonymous_SNV	212	946	81
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	142	689	260

nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	114	482	12
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	26	138	0
nonsynonymous_SNV	35	174	1
nonsynonymous_SNV	31	117	0
nonsynonymous_SNV	1	3	436
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	59	271	3
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	181	905	51
nonsynonymous_SNV	48	170	0
nonsynonymous_SNV	28	167	1
nonsynonymous_SNV	128	438	8
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	125	447	11
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	169	872	206
nonsynonymous_SNV	1	7	0
nonframeshift_deletion	1	13	0
nonsynonymous_SNV	186	889	208
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	19	107	0
nonsynonymous_SNV	2	8	435
nonsynonymous_SNV	4	23	0

nonsynonymous_SNV	0	7	0
frameshift_deletion	5	15	0
frameshift_deletion	5	15	0
nonsynonymous_SNV	1	7	436
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	52	427
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	207	957	95
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	184	776	32
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	57	1
nonsynonymous_SNV	5	42	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	22	147	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	210	977	81
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	168	793	38
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	24	1
nonsynonymous_SNV	167	692	20
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	138	698	21
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	11	0
nonframeshift_deletion	4	8	0
nonsynonymous_SNV	11	63	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	17	102	1

nonsynonymous_SNV	72	344	5
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	17	1
nonsynonymous_SNV	12	61	0
nonsynonymous_SNV	17	88	0
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	1	10	1
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	43	0
nonsynonymous_SNV	51	241	1
nonframeshift_deletion	3	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	18	65	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	46	193	0
nonsynonymous_SNV	15	90	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
stopgain	8	24	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	6	434
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	9	50	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	12	0

nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	200	938	167
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	196	826	30
nonsynonymous_SNV	195	797	23
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	84	326	349
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	83	326	349
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	45	228	2
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	216	957	85
nonsynonymous_SNV	188	785	42
nonsynonymous_SNV	7	8	0
nonsynonymous_SNV	36	189	2
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	13	42	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	7	41	2
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	9	75	0
nonsynonymous_SNV	93	391	7
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	48	248	1
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	101	537	328
nonsynonymous_SNV	183	733	31
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	195	784	36
nonsynonymous_SNV	183	732	31
nonsynonymous_SNV	165	741	35
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	188	777	43
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	176	815	33
nonsynonymous_SNV	105	407	8
nonsynonymous_SNV	134	535	13
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	10	36	427
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	210	883	64
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	116	544	13
nonsynonymous_SNV	20	70	0
nonsynonymous_SNV	83	398	8
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	40	196	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	53	224	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	3	6	0
nonframeshift_insertion	1	10	0
nonsynonymous_SNV	29	90	1
nonsynonymous_SNV	12	15	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
stopgain	1	5	0
nonsynonymous_SNV	172	749	238
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	46	206	2

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	88	416	11
nonsynonymous_SNV	36	126	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	17	90	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	32	114	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	24	0
splicing	3	28	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	14	0
splicing	2	8	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	14	57	0
nonsynonymous_SNV	57	211	2
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	141	716	32
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	55	268	381
nonframeshift_insertion	135	634	22
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	64	328	5
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	20	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	64	254	2
nonsynonymous_SNV	67	356	5
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	204	936	72
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	11	44	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	25	102	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	17	47	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	109	507	4
nonsynonymous_SNV	37	141	1
nonsynonymous_SNV	198	814	193
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	117	518	4
nonsynonymous_SNV	0	29	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	208	916	167
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	7	53	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	151	773	38
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	49	275	2
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	2	9	0
nonframeshift_deletion	8	70	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	41	0
nonsynonymous_SNV	16	104	0
nonsynonymous_SNV	73	353	2
nonsynonymous_SNV	0	0	437

nonsynonymous_SNV	24	93	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	186	739	224
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	16	84	0
nonsynonymous_SNV	197	945	100
nonsynonymous_SNV	0	5	0
stopgain	1	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	18	91	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	167	747	244
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	39	193	1
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	201	894	55
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	4	0
frameshift_deletion	198	987	83
frameshift_deletion	198	987	83
frameshift_deletion	199	978	83
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	10	40	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	213	967	86
nonsynonymous_SNV	1	18	0
frameshift_insertion	184	916	56
nonsynonymous_SNV	186	914	56
nonsynonymous_SNV	179	889	51
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	28	90	1

nonsynonymous_SNV	64	333	5
nonsynonymous_SNV	11	20	0
nonsynonymous_SNV	11	20	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	25	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	16	73	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	181	698	35
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	8	68	1
nonsynonymous_SNV	163	704	25
nonsynonymous_SNV	32	108	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	25	94	0
nonsynonymous_SNV	175	705	21
nonsynonymous_SNV	82	465	6
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	11	77	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	119	605	22
nonsynonymous_SNV	25	71	0
nonsynonymous_SNV	11	70	1
nonsynonymous_SNV	39	134	396
nonsynonymous_SNV	29	107	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	133	629	276
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	6	41	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	125	583	12
nonsynonymous_SNV	7	12	0

nonsynonymous_SNV	16	95	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	196	878	55
nonsynonymous_SNV	21	84	2
nonsynonymous_SNV	220	995	101
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	21	119	1
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	182	814	199
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	19	90	1
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	13	34	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	14	86	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	7	58	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	7	48	0
nonsynonymous_SNV	13	84	0
nonsynonymous_SNV	21	91	1
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	41	161	2
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	92	365	6
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	14	80	0
frameshift_deletion	1	7	0
nonsynonymous_SNV	16	52	0
nonsynonymous_SNV	21	82	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	76	335	5

nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	206	854	45
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	20	56	0
nonsynonymous_SNV	17	56	0
nonsynonymous_SNV	200	841	191
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	22	82	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	11	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	39	138	0
nonsynonymous_SNV	121	557	309
nonsynonymous_SNV	217	902	74
nonsynonymous_SNV	1	5	0
splicing	1	13	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	69	344	6
nonsynonymous_SNV	46	130	1
nonsynonymous_SNV	11	53	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	71	425	5
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	107	471	320
nonsynonymous_SNV	7	12	0
nonsynonymous_SNV	105	439	325
nonsynonymous_SNV	7	10	0
nonsynonymous_SNV	57	190	1
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	9	37	0
nonsynonymous_SNV	121	609	306
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	4	0

nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	48	209	2
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	40	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	169	755	27
nonsynonymous_SNV	169	755	27
nonsynonymous_SNV	148	644	271
nonsynonymous_SNV	9	44	427
nonsynonymous_SNV	9	44	427
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	11	51	0
nonsynonymous_SNV	63	239	5
nonsynonymous_SNV	91	321	5
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	14	55	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	14	33	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	4	435
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	189	895	200
nonsynonymous_SNV	61	258	3
nonsynonymous_SNV	79	312	5
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	11	33	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	162	746	29
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	137	653	22
nonsynonymous_SNV	3	12	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0

nonsynonymous_SNV	75	378	7
nonsynonymous_SNV	143	652	15
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	56	292	2
nonsynonymous_SNV	187	801	22
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	191	932	73
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	19	66	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	178	950	66
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	79	377	4
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	20	103	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	17	77	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	16	77	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	120	581	18
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	4	35	0
nonsynonymous_SNV	73	300	3
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	86	356	7
nonsynonymous_SNV	112	547	9
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	14	52	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	85	410	7
nonsynonymous_SNV	32	124	0
nonsynonymous_SNV	9	35	428
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	21	85	0
nonsynonymous_SNV	38	139	2

nonsynonymous_SNV	38	139	2
nonsynonymous_SNV	38	140	2
nonsynonymous_SNV	11	59	0
nonframeshift_deletion	4	27	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	15	43	1
nonsynonymous_SNV	47	194	2
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	11	49	0
nonsynonymous_SNV	66	258	2
nonsynonymous_SNV	147	653	19
nonsynonymous_SNV	12	74	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	224	940	88
nonsynonymous_SNV	224	939	88
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	2	0
nonsynonymous_SNV	7	31	1
nonsynonymous_SNV	216	904	174
nonsynonymous_SNV	191	772	28
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	227	949	89
nonsynonymous_SNV	22	92	1
nonsynonymous_SNV	202	860	186
nonsynonymous_SNV	125	529	296
nonsynonymous_SNV	63	234	1
nonsynonymous_SNV	36	198	0
stopgain	19	84	0
splicing	2	5	0
nonsynonymous_SNV	236	969	107
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	235	946	124
nonsynonymous_SNV	33	190	0
nonsynonymous_SNV	1	5	0
stopgain	2	10	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	0	8	0
splicing	16	81	0
nonsynonymous_SNV	100	469	11
nonsynonymous_SNV	112	525	3

nonsynonymous_SNV	27	116	0
nonsynonymous_SNV	2	6	0
frameshift_deletion	16	67	1
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	44	226	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	91	391	4
nonsynonymous_SNV	1	27	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	16	65	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	90	379	5
nonsynonymous_SNV	27	114	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	138	575	277
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	190	897	41
nonsynonymous_SNV	13	73	0
nonsynonymous_SNV	55	224	1
nonsynonymous_SNV	76	434	5
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	2	5	0
stopgain	2	3	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	231	961	89
nonsynonymous_SNV	211	921	69
nonsynonymous_SNV	32	169	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	10	35	1
nonsynonymous_SNV	2	6	0

nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	107	537	16
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	187	822	45
nonsynonymous_SNV	1	6	0
nonframeshift_deletion	4	4	0
nonsynonymous_SNV	23	81	0
nonsynonymous_SNV	25	82	0
nonsynonymous_SNV	153	633	21
nonsynonymous_SNV	13	65	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	27	125	2
nonsynonymous_SNV	76	327	5
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	13	50	0
nonsynonymous_SNV	219	968	141
nonsynonymous_SNV	114	509	11
nonsynonymous_SNV	14	61	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	4	38	0
nonsynonymous_SNV	13	49	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	24	103	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	99	431	11
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	9	15	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	22	99	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	154	753	30
nonsynonymous_SNV	9	17	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	13	60	0
nonsynonymous_SNV	195	931	88
nonsynonymous_SNV	22	112	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	22	111	0
nonsynonymous_SNV	126	583	17
nonsynonymous_SNV	219	1008	106
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	7	46	0
nonsynonymous_SNV	28	117	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
frameshift_deletion	0	8	0
nonsynonymous_SNV	10	44	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	181	856	47
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	9	50	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	129	543	295
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	9	50	0
nonsynonymous_SNV	8	36	1
nonsynonymous_SNV	181	869	52
nonsynonymous_SNV	8	52	0
nonsynonymous_SNV	177	889	61
nonsynonymous_SNV	183	887	61
nonsynonymous_SNV	80	307	3
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	35	188	2
nonsynonymous_SNV	24	67	413
nonsynonymous_SNV	5	36	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	1	3	436
nonsynonymous_SNV	161	770	239
splicing	0	0	437
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	15	59	0
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	203	958	122
nonsynonymous_SNV	13	81	0
nonsynonymous_SNV	11	48	0
nonsynonymous_SNV	129	573	8
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	26	120	0
nonsynonymous_SNV	187	846	206
nonsynonymous_SNV	23	96	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	132	598	9
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	17	82	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	205	899	185
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	74	370	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	196	829	38
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	20	101	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	212	852	52
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	210	847	53
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	221	952	107
nonsynonymous_SNV	9	53	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	188	884	66
nonsynonymous_SNV	1	4	0
stopgain	0	5	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	13	84	0
nonsynonymous_SNV	16	53	1
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	52	242	3
nonsynonymous_SNV	14	72	0
nonsynonymous_SNV	2	29	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	46	229	3
nonsynonymous_SNV	61	306	2
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	134	617	22
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	112	411	315
nonsynonymous_SNV	2	6	0
stopgain	2	4	0
splicing	2	13	0
nonsynonymous_SNV	106	557	12
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	12	48	0

nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	11	0
splicing	3	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	133	579	17
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	180	821	46
nonsynonymous_SNV	222	930	125
stopgain	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	180	743	29
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	13	70	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	123	555	13
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	45	170	0
splicing	216	938	54
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	33	149	403
nonsynonymous_SNV	2	5	0
splicing	0	7	0
nonsynonymous_SNV	108	513	7
nonsynonymous_SNV	154	679	261
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	228	916	145
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
frameshift_deletion	2	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	117	534	11
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	2	11	0

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	96	455	5
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	94	449	4
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	7	19	0
frameshift_deletion	0	6	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	18	0
splicing	0	0	437
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	23	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	210	950	86
nonsynonymous_SNV	7	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	49	204	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	12	33	0
nonsynonymous_SNV	206	947	82
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	200	960	132
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	190	964	134
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	201	979	137

nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	161	722	33
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	0	12	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	55	158	0
nonsynonymous_SNV	9	39	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	59	222	1
nonsynonymous_SNV	68	267	367
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	62	0
nonsynonymous_SNV	9	22	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	89	391	333
nonsynonymous_SNV	130	630	281
nonsynonymous_SNV	195	907	161
nonsynonymous_SNV	104	454	9
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	26	186	1
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	8	47	0
nonsynonymous_SNV	215	920	62
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	160	624	23
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	11	35	0
nonsynonymous_SNV	5	35	432
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	24	94	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	35	170	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	12	42	1

nonsynonymous_SNV	11	30	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	211	831	41
nonsynonymous_SNV	161	734	237
nonsynonymous_SNV	20	99	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	170	837	232
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	112	524	12
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	174	836	35
nonsynonymous_SNV	4	35	0
nonsynonymous_SNV	27	103	0
nonsynonymous_SNV	88	422	346
nonsynonymous_SNV	1	2	436
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	18	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	134	605	20
nonsynonymous_SNV	134	605	20
nonsynonymous_SNV	136	658	287
nonsynonymous_SNV	74	313	2
nonsynonymous_SNV	188	834	215
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	182	847	42
nonsynonymous_SNV	136	658	287
nonsynonymous_SNV	188	834	215
nonsynonymous_SNV	18	82	0

nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	16	38	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	10	54	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	142	554	20
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	15	64	0
nonsynonymous_SNV	187	759	40
nonsynonymous_SNV	187	757	40
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	220	869	47
nonsynonymous_SNV	239	983	93
nonsynonymous_SNV	92	524	8
nonsynonymous_SNV	231	975	107
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	212	919	61
nonsynonymous_SNV	212	919	61
nonsynonymous_SNV	16	97	1
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	129	477	8
nonsynonymous_SNV	129	473	8
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	145	658	27
nonsynonymous_SNV	63	368	7
nonsynonymous_SNV	145	659	27
nonsynonymous_SNV	191	798	34
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	196	901	57
nonsynonymous_SNV	167	698	245
nonsynonymous_SNV	18	45	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	16	67	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	42	180	5
nonsynonymous_SNV	15	97	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	61	317	2
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	92	394	9
nonsynonymous_SNV	43	200	1
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	29	100	0
nonsynonymous_SNV	5	49	0
nonframeshift_deletion	152	726	32
frameshift_deletion	152	722	32
frameshift_deletion	152	722	32
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	2	5	0
nonsynonymous_SNV	56	309	2
nonsynonymous_SNV	181	829	213
nonsynonymous_SNV	143	616	16
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	189	868	70
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	13	68	0
nonsynonymous_SNV	128	557	12
nonsynonymous_SNV	115	546	9
nonsynonymous_SNV	2	40	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	30	149	406
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	50	228	1
nonsynonymous_SNV	196	877	63
nonsynonymous_SNV	183	786	29
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	36	203	2
nonsynonymous_SNV	90	417	8

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	224	990	111
nonsynonymous_SNV	42	157	2
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	186	852	202
nonsynonymous_SNV	95	394	334
nonsynonymous_SNV	173	718	30
nonsynonymous_SNV	190	818	202
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	142	594	20
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	63	305	2
nonsynonymous_SNV	218	940	139
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	5	0
splicing	2	14	0
nonsynonymous_SNV	187	811	38
nonsynonymous_SNV	14	39	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	26	140	1
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	114	516	7
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	52	207	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	5	41	0
frameshift_insertion	11	28	0
nonsynonymous_SNV	13	53	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	76	301	4
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	220	904	76
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	34	144	1
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	60	268	3
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	111	588	10
nonsynonymous_SNV	6	44	0
nonsynonymous_SNV	12	42	1
nonsynonymous_SNV	4	35	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	7	0
nonframeshift_deletion	4	11	0
frameshift_deletion	4	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	43	0
nonsynonymous_SNV	1	8	1
nonsynonymous_SNV	12	86	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	201	898	57
nonsynonymous_SNV	16	66	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	17	103	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	20	92	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	44	225	3
frameshift_insertion	22	75	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	231	929	103
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	18	79	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	149	693	34
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	186	754	40
nonsynonymous_SNV	57	256	1
splicing	0	5	0
nonsynonymous_SNV	142	665	19
nonsynonymous_SNV	176	807	31
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	25	86	1
nonsynonymous_SNV	8	18	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	18	84	1
nonsynonymous_SNV	60	246	4
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	94	441	13
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	62	259	2
nonsynonymous_SNV	114	515	305
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	203	871	65
nonsynonymous_SNV	14	50	0
nonframeshift_deletion	3	10	0
stopgain	15	51	0
nonsynonymous_SNV	43	156	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	40	180	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	28	137	1
nonsynonymous_SNV	1	4	1

nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	42	136	1
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	92	396	340
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	33	153	0
nonsynonymous_SNV	33	153	0
nonsynonymous_SNV	32	153	0
nonsynonymous_SNV	24	141	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	6	0
stopgain	1	4	0
nonsynonymous_SNV	130	508	23
nonsynonymous_SNV	22	83	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	5	24	0
stopgain	2	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	130	618	15
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	8	67	0
nonsynonymous_SNV	40	162	0
nonsynonymous_SNV	92	506	10
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	22	81	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	104	470	12
nonsynonymous_SNV	182	804	28
nonsynonymous_SNV	83	420	4
nonframeshift_deletion	6	30	0
nonsynonymous_SNV	80	395	3
frameshift_deletion	5	27	0
nonsynonymous_SNV	83	386	7
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	123	486	12
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	22	79	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	30	133	0
frameshift_insertion	89	425	7
frameshift_deletion	89	425	7
frameshift_deletion	89	423	7
nonframeshift_insertion	4	17	0
nonsynonymous_SNV	28	120	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	4	13	433
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	123	602	297
nonsynonymous_SNV	13	74	0
nonsynonymous_SNV	201	884	58
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	1	23	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	214	928	71
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	11	44	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	68	298	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	97	385	7
nonsynonymous_SNV	138	649	16
nonsynonymous_SNV	40	201	3
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	45	168	1
nonsynonymous_SNV	15	55	1
nonsynonymous_SNV	13	43	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	14	54	0

nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	76	303	356
nonsynonymous_SNV	202	860	53
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	200	858	198
nonsynonymous_SNV	79	369	7
nonsynonymous_SNV	32	127	0
nonsynonymous_SNV	210	947	158
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	17	65	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	16	135	0
nonsynonymous_SNV	20	146	1
nonsynonymous_SNV	160	632	21
nonsynonymous_SNV	15	53	421
nonsynonymous_SNV	190	804	35
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	188	820	207
nonsynonymous_SNV	9	52	0
nonsynonymous_SNV	187	819	207
nonsynonymous_SNV	127	590	16
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	30	104	1
nonsynonymous_SNV	187	802	212
nonsynonymous_SNV	14	44	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	147	663	17
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	136	545	13
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	1	5	0
nonframeshift_deletion	20	84	0
stopgain	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	10	0

nonsynonymous_SNV	2	39	0
nonsynonymous_SNV	205	884	155
nonsynonymous_SNV	8	22	0
nonframeshift_insertion	1	8	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	177	785	55
nonframeshift_deletion	0	6	0
frameshift_deletion	0	6	0
frameshift_insertion	0	10	0
nonsynonymous_SNV	12	45	0
nonsynonymous_SNV	47	257	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	171	766	40
nonsynonymous_SNV	170	781	41
frameshift_insertion	0	5	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	68	304	4
nonsynonymous_SNV	16	81	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	111	421	11
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	207	856	50
nonsynonymous_SNV	50	240	1
nonsynonymous_SNV	60	281	1
nonsynonymous_SNV	76	330	5
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	56	261	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	2	8	0
stopgain	39	170	3
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	0	5	0
stopgain	3	5	0
nonsynonymous_SNV	58	205	1
nonsynonymous_SNV	4	26	0

nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	33	0
nonsynonymous_SNV	100	399	3
nonsynonymous_SNV	30	123	407
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	15	53	0
nonsynonymous_SNV	92	349	340
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	22	101	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	178	810	45
nonsynonymous_SNV	181	784	39
stopgain	1	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	32	99	2
nonsynonymous_SNV	202	830	208
nonsynonymous_SNV	11	60	0
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	147	654	30
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	8	48	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	217	892	61
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	59	289	2
nonsynonymous_SNV	112	509	316
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	4	0
nonsynonymous_SNV	26	108	0
nonsynonymous_SNV	176	827	40
nonsynonymous_SNV	128	504	8
nonsynonymous_SNV	214	979	68
nonsynonymous_SNV	51	205	2
stopgain	10	18	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	180	747	29

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	209	952	73
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	98	449	12
nonsynonymous_SNV	202	841	43
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	12	47	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	5	0
frameshift_insertion	231	977	103
nonsynonymous_SNV	47	235	0
nonsynonymous_SNV	6	15	0
nonframeshift_deletion	3	12	434
nonsynonymous_SNV	8	47	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	180	836	210
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	200	902	58
nonsynonymous_SNV	86	324	346
nonsynonymous_SNV	7	74	0
nonsynonymous_SNV	74	414	351
stopgain	68	284	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	50	297	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	4	437
nonsynonymous_SNV	126	592	294
nonsynonymous_SNV	183	834	203
nonsynonymous_SNV	183	823	206
nonsynonymous_SNV	2	6	434
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	4	45	0
nonsynonymous_SNV	4	45	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	4	46	0

nonsynonymous_SNV	4	46	0
nonsynonymous_SNV	214	880	162
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	23	432
nonsynonymous_SNV	116	564	303
nonsynonymous_SNV	211	928	155
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	226	949	146
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	14	54	0
nonsynonymous_SNV	15	64	0
nonsynonymous_SNV	189	889	57
nonsynonymous_SNV	189	889	57
nonframeshift_deletion	7	58	0
nonsynonymous_SNV	235	954	101
nonsynonymous_SNV	125	517	301
nonsynonymous_SNV	165	706	20
nonsynonymous_SNV	165	706	20
nonsynonymous_SNV	125	521	301
nonsynonymous_SNV	224	930	148
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	7	0
splicing	14	52	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	24	73	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	62	296	1
nonsynonymous_SNV	98	366	8
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	26	0
nonframeshift_deletion	37	116	0
frameshift_deletion	36	115	0
nonsynonymous_SNV	27	98	0
frameshift_deletion	4	15	0
nonsynonymous_SNV	55	199	381
nonsynonymous_SNV	12	83	1

nonsynonymous_SNV	173	695	25
frameshift_deletion	1	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	5	28	0
frameshift_deletion	2	28	0
nonsynonymous_SNV	14	67	0
nonsynonymous_SNV	1	5	0
stopgain	12	31	0
nonsynonymous_SNV	6	4	0
nonsynonymous_SNV	13	62	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	51	216	0
nonsynonymous_SNV	4	12	0
nonframeshift_deletion	2	5	0
frameshift_deletion	2	5	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	204	924	75
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	212	993	106
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	220	976	96
nonsynonymous_SNV	13	35	0
nonsynonymous_SNV	71	233	1
nonsynonymous_SNV	12	85	424
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	24	125	3
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	109	428	11
nonsynonymous_SNV	109	428	11
nonsynonymous_SNV	1	5	0
frameshift_deletion	109	429	11
frameshift_deletion	109	429	11
nonsynonymous_SNV	70	318	3
nonsynonymous_SNV	208	867	65
nonsynonymous_SNV	1	12	0

nonsynonymous_SNV	209	863	63
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	17	59	0
nonsynonymous_SNV	9	46	0
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	96	424	4
stopgain	1	7	0
nonframeshift_deletion	195	952	75
nonsynonymous_SNV	195	946	75
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	6	0
stopgain	1	4	0
nonsynonymous_SNV	163	659	30
nonsynonymous_SNV	1	7	0
frameshift_deletion	2	7	0
nonsynonymous_SNV	0	18	0
nonsynonymous_SNV	17	68	1
nonsynonymous_SNV	3	5	0
stoploss	14	70	0
nonsynonymous_SNV	27	185	2
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	4	39	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	5	2	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	153	796	39
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	10	0

nonsynonymous_SNV	50	162	2
nonsynonymous_SNV	100	472	329
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	100	472	330
nonsynonymous_SNV	27	70	1
nonsynonymous_SNV	48	230	388
nonsynonymous_SNV	158	613	12
nonsynonymous_SNV	154	616	12
nonsynonymous_SNV	205	868	165
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	218	907	63
nonsynonymous_SNV	125	543	6
nonsynonymous_SNV	118	540	12
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	39	204	1
nonsynonymous_SNV	116	449	3
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	31	106	0
nonsynonymous_SNV	11	71	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	168	635	247
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	15	0
splicing	1	8	0
nonsynonymous_SNV	8	45	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	10	68	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	6	38	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	173	874	53
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	11	60	0
splicing	8	23	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	39	143	1
nonsynonymous_SNV	39	144	1
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	1	28	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	35	161	1
nonsynonymous_SNV	78	342	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	107	430	5
nonsynonymous_SNV	220	924	88
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	39	164	1
nonsynonymous_SNV	46	188	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	14	65	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	60	247	4
nonsynonymous_SNV	46	206	1
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	117	566	16
nonsynonymous_SNV	107	534	14
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	205	958	103
nonsynonymous_SNV	107	527	15
nonsynonymous_SNV	107	528	15
nonsynonymous_SNV	171	822	33
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	20	90	0
nonsynonymous_SNV	156	665	234
nonsynonymous_SNV	64	242	5
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	29	222	1
nonsynonymous_SNV	227	947	127
nonsynonymous_SNV	94	460	8
nonsynonymous_SNV	94	456	334
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	204	966	145
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	205	976	126

nonsynonymous_SNV	3	22	0
frameshift_deletion	2	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	12	50	0
nonsynonymous_SNV	22	103	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	201	914	165
nonsynonymous_SNV	173	727	22
nonsynonymous_SNV	55	288	3
nonsynonymous_SNV	11	17	0
nonsynonymous_SNV	185	856	201
nonsynonymous_SNV	216	945	79
nonsynonymous_SNV	10	32	0
nonsynonymous_SNV	79	402	3
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	215	893	67
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	50	195	2
nonsynonymous_SNV	93	417	7
nonsynonymous_SNV	146	597	15
nonsynonymous_SNV	154	663	268
nonsynonymous_SNV	86	410	2
nonsynonymous_SNV	71	348	5
nonsynonymous_SNV	207	910	52
nonsynonymous_SNV	145	599	16
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	162	720	29
nonsynonymous_SNV	146	589	15
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	83	376	6
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	106	467	8
nonsynonymous_SNV	102	460	9

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	162	662	19
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	21	70	0
nonsynonymous_SNV	14	39	422
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	13	61	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	60	212	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	33	175	1
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	135	557	15
nonsynonymous_SNV	6	52	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	43	251	0
nonsynonymous_SNV	62	248	4
nonsynonymous_SNV	44	250	0
nonsynonymous_SNV	32	123	1
nonsynonymous_SNV	10	53	0
nonsynonymous_SNV	175	793	46
nonsynonymous_SNV	181	855	208
nonsynonymous_SNV	0	5	0
nonframeshift_insertion	2	3	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	27	96	0
nonsynonymous_SNV	28	96	0
nonsynonymous_SNV	28	96	0

nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	90	373	8
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	27	132	0
nonsynonymous_SNV	17	57	0
nonsynonymous_SNV	77	320	5
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	59	241	2
nonsynonymous_SNV	4	25	1
nonsynonymous_SNV	5	17	0
nonframeshift_deletion	0	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	2	3	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	35	143	0
nonsynonymous_SNV	238	927	104
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	30	112	1
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	8	7	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	16	71	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	10	29	1
nonsynonymous_SNV	43	178	2
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	5	0
frameshift_insertion	7	9	0
nonsynonymous_SNV	125	510	13
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	9	0

nonsynonymous_SNV	15	65	0
nonsynonymous_SNV	15	100	1
nonsynonymous_SNV	52	246	3
nonsynonymous_SNV	82	358	7
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	79	354	6
nonsynonymous_SNV	57	264	3
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	53	196	1
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	15	61	0
nonsynonymous_SNV	50	192	1
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	163	600	19
nonsynonymous_SNV	70	323	5
nonsynonymous_SNV	70	323	5
nonsynonymous_SNV	64	299	5
stopgain	1	10	0
frameshift_insertion	142	652	16
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	163	595	18
nonsynonymous_SNV	200	875	44
nonsynonymous_SNV	167	631	20
nonsynonymous_SNV	139	651	14
nonsynonymous_SNV	206	873	43
nonsynonymous_SNV	48	234	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	68	250	2
nonsynonymous_SNV	221	936	76
nonsynonymous_SNV	91	376	345
nonsynonymous_SNV	231	937	99
nonsynonymous_SNV	53	235	1
nonsynonymous_SNV	147	596	15
nonsynonymous_SNV	49	153	4
nonsynonymous_SNV	16	90	0
nonsynonymous_SNV	27	88	0
nonframeshift_deletion	0	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	28	110	0

nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	199	908	68
nonsynonymous_SNV	31	209	4
nonsynonymous_SNV	31	210	4
nonsynonymous_SNV	8	37	0
nonsynonymous_SNV	199	909	68
nonsynonymous_SNV	15	79	1
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	219	922	55
nonsynonymous_SNV	18	132	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	35	121	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	11	52	1
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	32	119	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	15	68	0
nonsynonymous_SNV	11	42	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	0	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	6	28	0
stopgain	3	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	28	141	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	95	316	3
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	15	69	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	12	37	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	37	157	1
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	7	48	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	208	896	164
nonsynonymous_SNV	3	33	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	22	103	1
nonsynonymous_SNV	198	814	55
nonsynonymous_SNV	127	531	16
nonsynonymous_SNV	24	126	1
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	6	51	0
nonsynonymous_SNV	179	816	178
nonsynonymous_SNV	44	158	1
nonsynonymous_SNV	3	32	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	14	95	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	37	134	1
nonsynonymous_SNV	128	683	21
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	199	924	58
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	79	371	354
nonsynonymous_SNV	9	37	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	81	381	2
frameshift_insertion	191	825	38
nonsynonymous_SNV	184	827	38
nonsynonymous_SNV	78	385	3
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	9	56	1
nonsynonymous_SNV	191	800	50
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	155	658	16
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	11	35	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	3	3	0
nonframeshift_deletion	53	187	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	149	627	269
nonsynonymous_SNV	150	630	266
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	129	560	292
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	196	857	185
nonsynonymous_SNV	2	13	0
stopgain	5	20	0
stopgain	13	72	0
nonsynonymous_SNV	8	66	0
nonsynonymous_SNV	132	573	17
nonsynonymous_SNV	133	567	16
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	12	0

nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	229	955	89
nonsynonymous_SNV	42	137	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	11	22	1
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	2	10	0
stopgain	4	18	0
nonsynonymous_SNV	105	454	14
nonsynonymous_SNV	188	912	191
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	69	337	10
nonsynonymous_SNV	205	950	161
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	101	460	5
nonsynonymous_SNV	102	461	5
nonsynonymous_SNV	57	261	1
nonsynonymous_SNV	43	227	1
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	157	655	16
nonsynonymous_SNV	157	655	16
nonsynonymous_SNV	8	49	0
nonsynonymous_SNV	41	186	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	13	52	1
nonsynonymous_SNV	160	721	242
splicing	3	5	0
nonsynonymous_SNV	44	193	2
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	199	908	73
nonsynonymous_SNV	200	908	72
nonsynonymous_SNV	41	183	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	121	510	11
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	186	800	35
nonsynonymous_SNV	17	83	0
nonsynonymous_SNV	1	9	0
nonframeshift_insertion	3	12	0

nonframeshift_insertion	0	10	0
stopgain	0	11	0
stopgain	3	8	0
stopgain	0	11	0
frameshift_deletion	0	6	0
nonsynonymous_SNV	192	851	49
nonsynonymous_SNV	42	164	1
nonsynonymous_SNV	216	922	70
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	5	39	0
nonsynonymous_SNV	172	734	33
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	125	503	302
nonsynonymous_SNV	96	382	4
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	173	742	33
stopgain	8	42	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	204	868	195
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	112	546	14
nonsynonymous_SNV	29	184	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	7	63	0
nonsynonymous_SNV	207	919	147
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	207	967	147
nonsynonymous_SNV	45	285	2
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	191	759	216
nonsynonymous_SNV	18	85	0
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	121	530	11

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	16	0
splicing	1	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	8	63	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	42	235	2
nonsynonymous_SNV	179	801	207
nonsynonymous_SNV	183	893	190
nonsynonymous_SNV	12	73	0
splicing	0	7	0
nonsynonymous_SNV	16	71	1
nonsynonymous_SNV	2	6	435
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	116	489	11
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	12	61	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	5	11	0
nonframeshift_insertion	2	14	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	50	235	3
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	1	9	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	3	0
frameshift_insertion	1	5	0
nonsynonymous_SNV	10	32	0
nonsynonymous_SNV	60	272	2
nonsynonymous_SNV	9	25	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	46	238	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	10	72	0
frameshift_deletion	177	848	52
nonsynonymous_SNV	177	848	52
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	177	853	52
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	24	66	0
stopgain	181	835	49
nonsynonymous_SNV	181	835	49
nonsynonymous_SNV	181	835	49
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	12	73	0
nonsynonymous_SNV	2	9	0
frameshift_insertion	210	922	86
nonsynonymous_SNV	144	646	273
nonsynonymous_SNV	143	647	274
nonsynonymous_SNV	120	528	12
nonsynonymous_SNV	142	647	275
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	121	529	12
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	6	8	0
nonsynonymous_SNV	121	529	12
frameshift_deletion	3	9	0
stopgain	4	13	0
nonsynonymous_SNV	131	664	16
nonsynonymous_SNV	141	704	266
nonsynonymous_SNV	207	937	159
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	132	665	16

frameshift_deletion	0	7	0
frameshift_deletion	0	7	0
nonsynonymous_SNV	8	48	428
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
frameshift_deletion	2	10	0
nonsynonymous_SNV	217	944	99
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	211	917	117
nonsynonymous_SNV	43	180	1
nonsynonymous_SNV	13	51	1
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	4	0
nonframeshift_deletion	1	7	0
nonsynonymous_SNV	0	19	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	1	5	0
splicing	3	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	0	10	0
nonframeshift_deletion	5	9	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	93	359	5

nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	30	86	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	16	62	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	20	79	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	43	243	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	7	15	430
nonsynonymous_SNV	22	36	0
nonsynonymous_SNV	11	75	0
nonsynonymous_SNV	45	240	1
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	222	913	84
nonsynonymous_SNV	221	914	85
nonsynonymous_SNV	19	100	1
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	150	584	11
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	12	52	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	8	75	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	181	902	192
nonsynonymous_SNV	148	751	253
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	181	903	194
nonsynonymous_SNV	26	103	0
nonsynonymous_SNV	14	37	0
nonsynonymous_SNV	81	311	11
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	16	58	0
nonsynonymous_SNV	66	293	1
nonsynonymous_SNV	8	27	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
splicing	1	4	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	24	123	1
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	11	40	0
nonsynonymous_SNV	0	10	0
stopgain	4	17	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	31	142	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	12	76	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	14	101	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	6	0
nonframeshift_insertion	1	4	0
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	39	169	1
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	195	898	176
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	56	226	0

nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	7	54	0
nonsynonymous_SNV	15	38	0
nonsynonymous_SNV	224	961	129
nonsynonymous_SNV	217	951	85
frameshift_deletion	2	6	0
nonsynonymous_SNV	2	5	0
stopgain	6	22	0
nonsynonymous_SNV	8	23	0
stopgain	1	7	0
nonsynonymous_SNV	8	47	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	17	71	0
nonframeshift_insertion	2	5	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	11	45	0
nonsynonymous_SNV	7	31	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	190	873	39
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	171	697	28
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	196	870	65
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	14	54	0
nonsynonymous_SNV	69	396	3

nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	107	524	16
nonsynonymous_SNV	151	587	21
nonsynonymous_SNV	152	587	21
nonsynonymous_SNV	68	352	7
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	80	407	6
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	14	65	0
nonsynonymous_SNV	0	6	0
frameshift_deletion	3	14	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	213	968	76
nonsynonymous_SNV	12	64	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	61	224	374
nonsynonymous_SNV	205	914	137
nonsynonymous_SNV	37	118	1
frameshift_deletion	24	87	1
nonsynonymous_SNV	24	87	1
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	204	922	79
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	134	531	15
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	201	846	42
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	23	56	0

nonsynonymous_SNV	174	775	232
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	26	75	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	17	68	0
nonsynonymous_SNV	38	211	3
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	52	302	6
nonsynonymous_SNV	23	135	4
nonsynonymous_SNV	8	32	0
frameshift_deletion	31	128	0
nonsynonymous_SNV	64	286	0
nonsynonymous_SNV	54	214	1
nonsynonymous_SNV	6	38	0
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	1	23	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	18	58	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	72	334	4
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	105	438	6
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	166	741	32
nonsynonymous_SNV	209	936	65
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	52	238	1
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	54	230	1
nonsynonymous_SNV	40	159	3
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	144	630	258
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	207	922	76
nonsynonymous_SNV	207	925	75
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	11	66	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	5	28	0

nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	63	258	2
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	64	259	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	8	0
nonframeshift_deletion	58	227	2
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	17	68	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	26	84	0
stopgain	4	24	0
nonsynonymous_SNV	10	18	0
nonsynonymous_SNV	1	4	0
frameshift_deletion	2	3	0
nonsynonymous_SNV	180	740	25
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	10	43	0
nonsynonymous_SNV	64	272	5
nonsynonymous_SNV	12	49	0
nonsynonymous_SNV	20	68	0
nonsynonymous_SNV	91	379	343
nonsynonymous_SNV	3	23	1
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	119	615	14
nonsynonymous_SNV	3	10	0

nonsynonymous_SNV	119	614	14
nonsynonymous_SNV	117	611	14
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	184	893	149
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	20	67	1
nonsynonymous_SNV	18	64	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	20	97	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	156	738	34
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	110	534	10
nonsynonymous_SNV	13	79	1
nonsynonymous_SNV	19	94	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	3	33	0
nonsynonymous_SNV	8	37	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	13	52	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	76	317	4
nonsynonymous_SNV	75	318	5
nonsynonymous_SNV	32	159	405
nonsynonymous_SNV	16	64	0
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	4	40	0
nonsynonymous_SNV	139	637	27
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	8	0

nonsynonymous_SNV	70	293	1
nonsynonymous_SNV	186	755	24
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	14	36	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	188	757	25
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	33	133	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	40	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	53	256	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	79	363	10
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	66	240	4
nonsynonymous_SNV	110	355	5
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	229	911	141
nonsynonymous_SNV	10	40	0
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	10	56	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	12	16	0
nonsynonymous_SNV	15	63	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	12	59	0
nonsynonymous_SNV	21	52	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	220	950	118

nonsynonymous_SNV	27	128	0
nonframeshift_deletion	9	45	1
nonsynonymous_SNV	26	122	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	29	91	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	177	751	25
frameshift_insertion	10	56	0
nonsynonymous_SNV	11	59	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	43	189	0
nonsynonymous_SNV	205	990	118
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	25	125	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	5	36	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	18	98	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	11	49	0
nonsynonymous_SNV	42	135	1
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	58	225	2
nonsynonymous_SNV	59	235	3
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	4	39	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	7	10	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	89	345	7
nonsynonymous_SNV	192	812	204
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	217	988	133
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	129	563	12
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	118	569	16
nonsynonymous_SNV	106	412	4
nonsynonymous_SNV	105	411	5
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	153	635	268
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	8	31	0
nonsynonymous_SNV	24	94	1
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	96	457	10
nonsynonymous_SNV	165	762	220
nonsynonymous_SNV	119	568	300
nonsynonymous_SNV	35	185	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	146	792	46
nonsynonymous_SNV	127	613	282
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	82	351	4
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	8	27	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	48	185	2

nonsynonymous_SNV	25	64	0
nonsynonymous_SNV	200	750	26
nonsynonymous_SNV	200	752	26
frameshift_deletion	2	3	0
nonsynonymous_SNV	58	282	1
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	48	226	1
nonsynonymous_SNV	56	249	0
nonsynonymous_SNV	79	414	13
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	25	121	0
nonsynonymous_SNV	52	216	0
nonsynonymous_SNV	147	638	20
nonsynonymous_SNV	2	26	0
nonsynonymous_SNV	145	645	20
nonsynonymous_SNV	24	97	0
nonsynonymous_SNV	12	52	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	147	587	18
nonsynonymous_SNV	25	113	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	53	0
nonsynonymous_SNV	10	43	427
nonsynonymous_SNV	131	545	17
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	173	814	47
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	11	56	0
nonsynonymous_SNV	11	35	0
nonsynonymous_SNV	7	5	0
nonsynonymous_SNV	7	5	0
nonsynonymous_SNV	1	7	0
splicing	1	6	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	102	541	13
nonsynonymous_SNV	23	65	1
nonsynonymous_SNV	181	847	197
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	16	96	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	29	114	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	7	50	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	164	704	34
nonsynonymous_SNV	7	23	0
nonframeshift_deletion	66	347	3
nonsynonymous_SNV	22	92	3
splicing	3	19	0
nonsynonymous_SNV	22	95	2
nonframeshift_insertion	7	43	0
frameshift_insertion	13	38	0
frameshift_insertion	20	91	0
splicing	13	83	0
splicing	38	116	0
splicing	7	103	0
splicing	11	65	0
nonsynonymous_SNV	7	47	0
nonsynonymous_SNV	0	4	0
nonsynonymous_SNV	9	48	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	160	646	21
nonsynonymous_SNV	16	85	1
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	15	70	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	14	81	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	5	0

nonsynonymous_SNV	57	285	378
nonsynonymous_SNV	139	605	15
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
stopgain	1	10	0
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	143	681	24
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	20	96	0
splicing	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	64	214	0
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	7	55	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	189	933	101
nonsynonymous_SNV	13	52	0
nonsynonymous_SNV	14	67	0
nonsynonymous_SNV	77	310	3
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	33	150	0
nonsynonymous_SNV	18	92	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	15	49	1
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	116	546	8
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	207	939	77
nonsynonymous_SNV	18	115	0
nonsynonymous_SNV	14	59	0
nonsynonymous_SNV	14	59	0

nonframeshift_deletion	120	579	6
nonsynonymous_SNV	54	250	2
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	10	88	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	61	324	4
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	40	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	23	62	0
nonsynonymous_SNV	19	86	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	51	233	1
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	54	222	1
nonsynonymous_SNV	81	357	4
nonsynonymous_SNV	135	564	289
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	26	147	1
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	141	659	21
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	16	50	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	60	253	2
nonsynonymous_SNV	207	896	184
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	22	133	2
nonsynonymous_SNV	221	951	126
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	220	949	127
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	154	756	39
nonsynonymous_SNV	95	433	10

nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	114	523	17
nonsynonymous_SNV	24	111	2
nonframeshift_deletion	0	6	0
nonsynonymous_SNV	26	112	1
nonsynonymous_SNV	27	120	1
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	40	127	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	26	116	1
nonframeshift_deletion	4	13	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	19	88	1
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	12	66	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	19	86	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	2	3	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	112	522	10
nonsynonymous_SNV	18	61	0
nonsynonymous_SNV	62	276	2
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	7	31	0

nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	21	103	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	200	972	141
nonsynonymous_SNV	198	938	179
nonsynonymous_SNV	23	57	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	182	708	24
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	3	2	0
stopgain	12	62	0
nonsynonymous_SNV	15	47	0
nonsynonymous_SNV	0	6	0
stoploss	196	913	187
nonsynonymous_SNV	5	8	1
nonsynonymous_SNV	134	702	266
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	52	252	3
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	33	172	3
nonsynonymous_SNV	7	22	1
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	48	224	3
nonsynonymous_SNV	50	224	4
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	0	9	0
nonframeshift_insertion	3	8	0
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	51	222	3
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0

nonframeshift_deletion	0	6	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	6	0
stopgain	1	16	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	21	76	0
nonsynonymous_SNV	69	331	4
nonsynonymous_SNV	68	331	4
nonsynonymous_SNV	68	331	4
nonsynonymous_SNV	31	104	1
nonsynonymous_SNV	3	10	0
nonframeshift_insertion	37	220	2
nonsynonymous_SNV	68	336	4
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	49	247	1
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	2	6	0
frameshift_deletion	2	18	0
frameshift_deletion	2	18	0
nonsynonymous_SNV	2	3	0
stopgain	1	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	165	796	39
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	25	1
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	2	7	1
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	5	15	1

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	171	788	24
nonframeshift_deletion	23	103	2
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	186	827	198
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	210	907	65
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	182	821	48
nonsynonymous_SNV	1	4	0
frameshift_deletion	2	3	0
frameshift_deletion	2	3	0
nonsynonymous_SNV	112	508	9
nonsynonymous_SNV	18	72	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	11	72	0
nonsynonymous_SNV	8	31	0
nonsynonymous_SNV	27	130	3
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	436
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	4	12	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
frameshift_deletion	3	9	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	44	218	1
nonsynonymous_SNV	25	131	0
nonsynonymous_SNV	93	364	3
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	7	0

nonsynonymous_SNV	178	739	35
nonsynonymous_SNV	208	853	55
nonsynonymous_SNV	198	828	47
nonsynonymous_SNV	9	22	1
nonsynonymous_SNV	4	13	0
splicing	6	39	0
nonsynonymous_SNV	60	253	2
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	15	72	0
nonsynonymous_SNV	196	951	154
nonsynonymous_SNV	166	748	38
nonsynonymous_SNV	19	68	0
nonsynonymous_SNV	18	54	0
nonsynonymous_SNV	198	915	60
nonsynonymous_SNV	72	252	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	135	596	13
nonsynonymous_SNV	16	93	421
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	102	395	5
nonsynonymous_SNV	14	52	0
nonsynonymous_SNV	18	43	0
nonsynonymous_SNV	200	929	72
nonsynonymous_SNV	40	211	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	11	0
frameshift_deletion	2	7	0
nonsynonymous_SNV	9	32	0
frameshift_insertion	1	17	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	203	950	145
nonsynonymous_SNV	8	66	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	26	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	12	44	0
nonsynonymous_SNV	7	39	0

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	104	418	324
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	100	418	322
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	177	820	43
stopgain	4	10	0
nonsynonymous_SNV	3	34	0
nonsynonymous_SNV	36	169	2
nonsynonymous_SNV	8	12	0
nonsynonymous_SNV	23	76	1
nonsynonymous_SNV	35	173	2
nonsynonymous_SNV	46	161	5
nonsynonymous_SNV	179	820	42
nonsynonymous_SNV	12	50	0
nonsynonymous_SNV	3	32	0
nonsynonymous_SNV	178	820	44
nonsynonymous_SNV	29	81	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	34	170	1
nonsynonymous_SNV	188	933	70
nonsynonymous_SNV	21	119	1
nonsynonymous_SNV	27	142	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	158	653	27
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	2	0
nonframeshift_insertion	43	141	1
nonsynonymous_SNV	193	775	31
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	71	304	7
nonsynonymous_SNV	10	68	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	17	110	0
nonsynonymous_SNV	8	50	0
nonsynonymous_SNV	86	340	3
nonsynonymous_SNV	2	15	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	50	221	5
nonsynonymous_SNV	88	337	2
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	43	231	392
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	212	930	138
nonsynonymous_SNV	4	6	1
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	7	55	0
nonsynonymous_SNV	12	84	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	30	210	1
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	31	182	0
nonsynonymous_SNV	11	68	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	14	79	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	21	101	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	14	38	0
nonsynonymous_SNV	144	654	21
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	8	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	13	78	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	12	72	0
nonsynonymous_SNV	93	463	6
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	6	64	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	29	142	0
nonsynonymous_SNV	20	68	1
nonsynonymous_SNV	210	882	157
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	27	152	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	10	56	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	14	53	1
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	71	414	356
nonsynonymous_SNV	71	380	10
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	15	46	0
nonsynonymous_SNV	25	142	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	2	22	0

nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	175	823	50
nonsynonymous_SNV	9	39	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	23	78	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	36	152	1
nonsynonymous_SNV	36	152	1
nonsynonymous_SNV	1	34	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	39	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	6	7	0
nonsynonymous_SNV	195	946	168
nonsynonymous_SNV	198	944	167
nonsynonymous_SNV	112	489	12
nonsynonymous_SNV	26	150	1
nonsynonymous_SNV	185	857	57
nonframeshift_insertion	10	25	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	231	931	87
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	228	962	89
nonsynonymous_SNV	15	85	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	157	765	24
nonsynonymous_SNV	14	41	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	20	78	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	99	374	4
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	24	1
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	17	41	0
nonsynonymous_SNV	87	359	5

nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	49	0
nonsynonymous_SNV	6	45	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	4	36	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	193	885	186
nonsynonymous_SNV	15	82	0
nonsynonymous_SNV	22	84	1
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	26	100	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	23	85	414
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	10	71	0
nonsynonymous_SNV	121	524	15
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	144	611	18
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	165	733	36
nonsynonymous_SNV	11	52	0
nonsynonymous_SNV	16	50	0
nonsynonymous_SNV	16	50	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	12	12	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	107	478	12
nonsynonymous_SNV	21	83	0
nonsynonymous_SNV	125	582	15
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	121	444	9
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	9	44	0
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	14	63	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	18	96	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	104	435	9
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	17	66	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	87	343	7
nonsynonymous_SNV	0	10	0
splicing	1	4	0
frameshift_insertion	2	16	0
nonsynonymous_SNV	28	149	1
nonsynonymous_SNV	22	125	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	62	238	3
nonsynonymous_SNV	213	924	76
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	33	203	3
nonsynonymous_SNV	207	931	72
nonsynonymous_SNV	30	147	2
nonsynonymous_SNV	20	106	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	181	829	40
nonsynonymous_SNV	66	280	3

nonsynonymous_SNV	151	622	18
nonsynonymous_SNV	164	803	46
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	39	165	2
nonsynonymous_SNV	184	733	23
nonsynonymous_SNV	197	885	51
nonsynonymous_SNV	18	77	0
frameshift_deletion	3	3	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	85	413	350
nonsynonymous_SNV	79	416	347
nonsynonymous_SNV	88	282	4
nonsynonymous_SNV	82	265	4
nonsynonymous_SNV	82	263	4
nonsynonymous_SNV	82	265	4
nonsynonymous_SNV	1	4	0
stopgain	4	8	0
nonsynonymous_SNV	2	31	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	3	8	0
frameshift_deletion	2	7	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	17	56	0
nonsynonymous_SNV	3	9	0
frameshift_insertion	1	4	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	100	480	9
nonsynonymous_SNV	175	773	233
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	18	43	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	15	50	0
splicing	7	48	0
splicing	14	42	0
splicing	22	112	0

splicing	13	37	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	72	258	1
nonsynonymous_SNV	103	470	7
splicing	18	96	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	31	144	0
frameshift_insertion	7	64	0
nonsynonymous_SNV	7	50	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	13	90	0
nonsynonymous_SNV	4	32	0
nonsynonymous_SNV	5	16	0
stopgain	5	16	0
nonsynonymous_SNV	111	463	7
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	177	754	32
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	83	393	7
nonsynonymous_SNV	141	648	22
nonsynonymous_SNV	15	65	0
nonsynonymous_SNV	70	310	3
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	9	435
nonsynonymous_SNV	107	477	5
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	69	277	3
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	26	92	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	52	233	5
nonsynonymous_SNV	38	167	2
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	122	512	14
nonsynonymous_SNV	45	184	391
nonsynonymous_SNV	45	187	391
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	215	910	62
nonsynonymous_SNV	57	219	378
nonsynonymous_SNV	31	137	405
nonsynonymous_SNV	151	691	264
nonsynonymous_SNV	125	588	15
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	80	377	6
nonsynonymous_SNV	79	374	6
nonsynonymous_SNV	42	174	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	34	149	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	16	46	0
nonsynonymous_SNV	20	96	1
nonsynonymous_SNV	111	529	15
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	173	784	44
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	171	783	44
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	99	489	14
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	99	490	14
nonsynonymous_SNV	99	432	10
nonframeshift_deletion	3	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	50	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	67	288	2
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	126	551	301
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	5	0

nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	32	165	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	198	770	27
nonsynonymous_SNV	42	160	392
nonsynonymous_SNV	8	45	0
nonsynonymous_SNV	227	957	126
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	6	39	0
nonsynonymous_SNV	143	586	277
nonsynonymous_SNV	208	870	51
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	25	96	1
nonsynonymous_SNV	208	920	158
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	33	0
nonsynonymous_SNV	4	11	0
frameshift_deletion	10	45	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	43	136	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	23	74	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	26	81	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	24	150	2
nonsynonymous_SNV	91	424	344
nonsynonymous_SNV	34	139	0

nonsynonymous_SNV	20	68	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	21	123	1
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	19	75	0
nonsynonymous_SNV	212	914	65
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	213	915	64
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	8	72	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	40	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	13	53	0
nonsynonymous_SNV	7	31	1
nonsynonymous_SNV	24	107	0
nonsynonymous_SNV	148	702	275
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	10	25	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	98	470	11
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	184	893	65
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	24	130	1
nonsynonymous_SNV	185	781	31
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	24	130	1
nonsynonymous_SNV	21	111	0
frameshift_deletion	5	1	0

nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	20	99	0
nonsynonymous_SNV	147	576	19
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	15	50	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	122	506	12
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	25	95	0
nonsynonymous_SNV	151	653	14
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	11	84	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	58	353	2
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	142	610	16
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	209	925	84
nonsynonymous_SNV	230	924	99
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	27	78	1
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	14	35	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	218	890	55
nonsynonymous_SNV	82	315	3
nonsynonymous_SNV	55	211	1

nonsynonymous_SNV	12	45	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	18	0
nonframeshift_deletion	2	33	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	8	35	0
nonsynonymous_SNV	8	35	0
nonsynonymous_SNV	8	35	0
nonsynonymous_SNV	163	723	34
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	52	192	1
nonsynonymous_SNV	99	381	7
nonsynonymous_SNV	93	385	5
nonsynonymous_SNV	93	384	5
nonsynonymous_SNV	189	812	212
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	24	122	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	117	492	9
nonsynonymous_SNV	19	75	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	19	78	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	199	942	74
nonsynonymous_SNV	194	944	70
nonsynonymous_SNV	35	185	2
nonsynonymous_SNV	118	531	17
nonsynonymous_SNV	14	32	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	20	80	0
nonsynonymous_SNV	185	864	202
nonsynonymous_SNV	178	834	213
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	54	254	5
nonsynonymous_SNV	2	4	0

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	9	24	0
nonsynonymous_SNV	31	114	1
nonsynonymous_SNV	12	56	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	36	153	3
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	39	187	0
nonsynonymous_SNV	194	896	54
nonsynonymous_SNV	193	890	52
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	28	112	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	3	30	0
nonframeshift_deletion	8	35	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	201	857	48
frameshift_insertion	25	110	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	42	196	1
nonsynonymous_SNV	42	165	1
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	158	632	25
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonframeshift_deletion	11	42	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	5	30	0

nonsynonymous_SNV	18	62	0
nonsynonymous_SNV	1	4	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	155	728	261
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	220	925	69
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	9	44	0
nonsynonymous_SNV	41	192	0
nonsynonymous_SNV	215	993	109
nonsynonymous_SNV	58	223	0
stopgain	38	192	2
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	179	827	213
nonsynonymous_SNV	6	7	0
nonsynonymous_SNV	8	18	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	14	52	0
nonsynonymous_SNV	168	825	226
nonsynonymous_SNV	193	844	45
nonsynonymous_SNV	89	350	345
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	11	27	0
nonsynonymous_SNV	53	301	3
nonsynonymous_SNV	45	258	3
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	30	163	2
nonsynonymous_SNV	102	480	8
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	193	880	46
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	26	129	1
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	11	61	0
nonsynonymous_SNV	92	332	6
nonsynonymous_SNV	69	290	3

nonsynonymous_SNV	5	11	0
frameshift_deletion	3	8	0
nonframeshift_deletion	3	8	0
frameshift_deletion	3	8	0
nonframeshift_insertion	3	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	46	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	24	100	0
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	52	251	2
frameshift_deletion	0	12	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	186	820	216
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	201	778	183
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	30	111	0
nonsynonymous_SNV	204	934	105
stopgain	10	39	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	6	62	0
frameshift_deletion	2	7	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	14	79	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	19	0
nonframeshift_deletion	2	8	0
nonsynonymous_SNV	5	10	0

nonsynonymous_SNV	86	363	9
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	14	39	0
nonsynonymous_SNV	196	888	54
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	218	933	136
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	204	959	94
nonsynonymous_SNV	211	961	96
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	0	10	0
stopgain	1	7	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	8	47	0
nonsynonymous_SNV	101	416	8
nonsynonymous_SNV	1	5	0
nonframeshift_insertion	1	6	0
nonsynonymous_SNV	8	40	0
splicing	210	865	158
nonsynonymous_SNV	3	26	1
nonsynonymous_SNV	32	134	2
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	37	93	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	49	176	2
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	8	54	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	10	17	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	96	298	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	23	113	1

stopgain	16	52	0
nonsynonymous_SNV	9	44	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	29	159	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	31	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	3	32	0
nonsynonymous_SNV	22	155	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	47	169	1
nonsynonymous_SNV	5	2	0
nonframeshift_deletion	145	580	7
nonsynonymous_SNV	0	22	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	26	1
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	9	16	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	12	0
frameshift_insertion	15	41	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	20	75	0
stoploss	3	10	0
nonsynonymous_SNV	18	57	0
nonsynonymous_SNV	11	61	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	169	714	28
nonsynonymous_SNV	11	61	0
nonsynonymous_SNV	9	53	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	30	109	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	51	193	2
nonsynonymous_SNV	12	47	0
nonsynonymous_SNV	83	452	3
nonsynonymous_SNV	96	425	335
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	11	0
splicing	1	5	0
frameshift_deletion	0	8	0
nonsynonymous_SNV	9	37	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	88	360	5
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	51	243	1
nonsynonymous_SNV	38	159	0
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	132	497	11
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	169	748	245
nonsynonymous_SNV	13	66	0
nonsynonymous_SNV	83	301	0
nonsynonymous_SNV	81	300	0
nonsynonymous_SNV	81	300	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	35	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	12	64	0
nonsynonymous_SNV	59	266	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	25	170	1
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	52	241	1

nonsynonymous_SNV	110	503	8
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	55	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	107	469	7
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	193	859	64
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	16	61	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	95	373	5
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	143	593	17
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	11	29	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	59	237	3
nonsynonymous_SNV	17	103	0
nonsynonymous_SNV	13	76	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	61	295	4
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	20	121	0
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	14	44	0
nonsynonymous_SNV	22	124	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	188	905	92
stopgain	0	9	0
nonsynonymous_SNV	1	8	0

nonsynonymous_SNV	121	544	16
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	95	407	333
nonsynonymous_SNV	123	536	17
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	55	227	1
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	8	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	33	169	2
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	26	111	0
nonsynonymous_SNV	21	105	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	38	177	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	177	782	218
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	45	202	0
nonsynonymous_SNV	10	44	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	198	779	38
nonsynonymous_SNV	24	88	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	9	0

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	27	0
nonsynonymous_SNV	189	884	184
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	198	925	68
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	18	94	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	103	482	17
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	26	131	1
nonsynonymous_SNV	100	454	3
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	31	152	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	10	66	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	12	46	0
nonsynonymous_SNV	2	26	0
nonsynonymous_SNV	79	385	5
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	80	379	6
nonsynonymous_SNV	14	99	0
nonsynonymous_SNV	81	383	5
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	12	38	0

nonsynonymous_SNV	9	20	0
nonsynonymous_SNV	82	389	6
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	199	966	91
nonsynonymous_SNV	155	682	21
nonsynonymous_SNV	5	40	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	31	146	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	35	140	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	13	34	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	158	671	24
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	6	22	1
nonsynonymous_SNV	14	47	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	86	396	344
nonsynonymous_SNV	19	95	0
nonsynonymous_SNV	27	145	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	202	880	56
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	22	0
nonframeshift_deletion	4	60	0
frameshift_deletion	4	62	0
frameshift_deletion	25	107	1
nonsynonymous_SNV	5	60	0
frameshift_deletion	25	103	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	31	90	3
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	23	117	2
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	13	46	0

nonsynonymous_SNV	16	62	0
nonsynonymous_SNV	194	918	66
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	8	9	0
nonsynonymous_SNV	110	482	6
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	170	849	47
nonsynonymous_SNV	180	880	72
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	105	363	7
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	129	675	24
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	34	149	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	31	139	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	30	177	3
nonsynonymous_SNV	90	428	8
frameshift_insertion	2	14	0
nonsynonymous_SNV	88	423	10
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	64	239	1
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	4	0
nonframeshift_deletion	2	18	0
nonsynonymous_SNV	23	97	1
nonsynonymous_SNV	14	47	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	3	33	0
nonsynonymous_SNV	8	27	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	23	86	0
nonsynonymous_SNV	16	69	1
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	215	917	165
splicing	5	32	0
nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	173	752	239
nonsynonymous_SNV	89	387	7
frameshift_deletion	1	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	90	386	7
nonsynonymous_SNV	1	19	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	34	104	3
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	158	638	28
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
frameshift_insertion	0	11	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	27	141	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	80	419	6
nonsynonymous_SNV	115	446	9
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	11	19	0
nonsynonymous_SNV	9	50	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	29	113	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	14	66	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	14	67	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	175	730	28
nonsynonymous_SNV	167	713	27
nonsynonymous_SNV	57	285	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	209	913	62
nonsynonymous_SNV	1	2	436
frameshift_deletion	1	7	0
frameshift_deletion	210	887	62
frameshift_deletion	210	886	62
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	57	280	0
nonsynonymous_SNV	6	45	0
nonsynonymous_SNV	192	914	75
nonsynonymous_SNV	40	167	2
nonsynonymous_SNV	216	951	103
frameshift_insertion	190	797	196
nonsynonymous_SNV	51	288	3
nonsynonymous_SNV	51	288	3
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	12	54	0
nonsynonymous_SNV	217	941	114
nonsynonymous_SNV	216	941	115
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	36	0
splicing	0	8	0
nonsynonymous_SNV	22	78	0

nonsynonymous_SNV	54	211	1
nonsynonymous_SNV	58	219	2
nonsynonymous_SNV	155	644	19
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	155	636	19
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	21	124	2
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	21	79	0
nonsynonymous_SNV	57	208	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	217	944	95
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	41	189	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	152	694	19
nonsynonymous_SNV	35	130	0
nonsynonymous_SNV	33	115	0
nonsynonymous_SNV	194	830	48
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	215	942	130
frameshift_deletion	2	9	0
nonsynonymous_SNV	121	528	10
nonsynonymous_SNV	75	306	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	31	133	2
nonsynonymous_SNV	209	947	104
frameshift_insertion	2	4	0
nonsynonymous_SNV	148	590	15
nonsynonymous_SNV	19	70	0
nonsynonymous_SNV	19	70	0
nonsynonymous_SNV	144	642	268
splicing	134	626	15
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	52	232	2
nonsynonymous_SNV	12	41	0
nonsynonymous_SNV	216	947	131

nonsynonymous_SNV	13	32	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	71	364	7
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	27	137	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	161	683	21
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	173	770	240
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	5	39	0
nonsynonymous_SNV	12	45	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	188	839	212
nonsynonymous_SNV	14	38	0
nonsynonymous_SNV	4	14	0
stopgain	0	7	0
frameshift_deletion	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	2	0
stopgain	1	21	0
nonsynonymous_SNV	18	53	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	204	896	158
nonsynonymous_SNV	45	151	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	67	314	368
nonsynonymous_SNV	54	160	1
nonsynonymous_SNV	150	634	271
nonsynonymous_SNV	164	665	253
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	36	176	2

nonsynonymous_SNV	212	940	109
nonsynonymous_SNV	156	709	24
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
frameshift_deletion	0	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	204	855	41
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	90	460	335
nonsynonymous_SNV	90	396	3
nonsynonymous_SNV	80	320	5
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	53	217	3
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	203	832	189
nonsynonymous_SNV	133	582	14
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	129	593	288
nonsynonymous_SNV	130	594	288
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	160	626	21
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	8	18	0
frameshift_insertion	7	16	0
nonsynonymous_SNV	119	462	304
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	2	21	0
nonframeshift_insertion	174	745	24
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	15	78	0
nonsynonymous_SNV	208	934	116
nonsynonymous_SNV	1	27	0
nonsynonymous_SNV	111	490	314
nonsynonymous_SNV	142	607	15
nonsynonymous_SNV	19	87	0
nonsynonymous_SNV	1	8	0
stopgain	1	7	0

nonsynonymous_SNV	177	813	41
nonsynonymous_SNV	5	14	1
nonsynonymous_SNV	19	107	2
nonsynonymous_SNV	14	72	0
nonsynonymous_SNV	78	329	2
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	68	315	3
nonsynonymous_SNV	6	28	0
frameshift_deletion	1	27	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	25	106	0
nonsynonymous_SNV	1	15	1
nonsynonymous_SNV	13	66	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	2	3	0
nonframeshift_insertion	169	703	24
nonframeshift_insertion	137	514	9
nonsynonymous_SNV	52	201	1
nonsynonymous_SNV	220	939	76
nonsynonymous_SNV	4	14	433
nonsynonymous_SNV	220	938	76
nonsynonymous_SNV	17	68	0
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	18	69	1
nonsynonymous_SNV	40	159	1
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	208	914	79
nonsynonymous_SNV	2	17	435
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	35	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	39	0

nonsynonymous_SNV	10	32	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	189	885	72
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	78	323	5
nonsynonymous_SNV	17	56	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	116	476	13
nonsynonymous_SNV	23	74	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	39	175	1
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	10	63	0
nonsynonymous_SNV	9	53	0
nonsynonymous_SNV	191	828	46
nonsynonymous_SNV	27	164	2
frameshift_insertion	55	253	2
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	40	156	0
nonsynonymous_SNV	227	962	84
nonsynonymous_SNV	31	140	1
nonsynonymous_SNV	0	0	437
frameshift_insertion	0	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	79	315	4
nonsynonymous_SNV	7	53	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	177	768	33
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	1	5	0
nonframeshift_insertion	17	67	420
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	172	783	36
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	112	491	11
nonsynonymous_SNV	9	44	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	227	958	117
stopgain	2	8	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	9	48	0
frameshift_deletion	60	233	2
nonsynonymous_SNV	13	44	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	39	0
nonsynonymous_SNV	14	59	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	206	891	59
nonsynonymous_SNV	55	256	1
nonsynonymous_SNV	8	50	1
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	144	596	18
nonsynonymous_SNV	5	20	0
splicing	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	9	32	0
nonsynonymous_SNV	3	16	1
frameshift_insertion	4	22	0
nonsynonymous_SNV	51	222	3
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	43	161	1
nonsynonymous_SNV	2	8	0
nonframeshift_insertion	30	109	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	218	945	153
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	13	57	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	190	858	207
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	224	1008	89
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	12	55	0
nonsynonymous_SNV	54	195	3
nonsynonymous_SNV	218	953	118
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	23	81	0
frameshift_deletion	3	9	0
frameshift_deletion	3	9	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	20	89	0
nonsynonymous_SNV	72	325	356
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	25	82	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	70	2
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	48	226	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	177	722	21
nonsynonymous_SNV	172	713	241
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	190	888	50
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	18	89	0
nonsynonymous_SNV	218	903	158
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	217	978	80
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	88	386	3
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	7	21	0

nonsynonymous_SNV	50	237	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	3	0
frameshift_deletion	2	9	0
nonframeshift_insertion	2	9	0
nonsynonymous_SNV	56	246	380
nonsynonymous_SNV	10	88	0
nonframeshift_deletion	17	113	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	10	13	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	9	55	0
nonsynonymous_SNV	7	31	0
nonsynonymous_SNV	64	331	1
nonsynonymous_SNV	64	331	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	45	221	0
nonsynonymous_SNV	3	38	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	12	31	0
nonsynonymous_SNV	25	117	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	209	964	118
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	174	753	29
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	103	534	14
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	18	108	0
nonsynonymous_SNV	19	108	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	81	331	5
nonsynonymous_SNV	81	332	5
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	8	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	124	557	18
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	43	172	392
nonsynonymous_SNV	46	183	389
nonsynonymous_SNV	190	902	56
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	65	279	3
nonsynonymous_SNV	206	933	152
nonsynonymous_SNV	69	321	6
nonsynonymous_SNV	42	184	2
nonsynonymous_SNV	186	911	57
nonsynonymous_SNV	2	5	0
nonframeshift_deletion	5	29	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	113	586	320
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	52	249	385
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	61	348	2
nonsynonymous_SNV	120	602	23
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	121	614	23
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	210	944	51
nonsynonymous_SNV	211	986	107
nonsynonymous_SNV	83	370	9
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	83	370	9
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	125	643	15
stopgain	2	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	21	0

nonsynonymous_SNV	12	53	0
nonsynonymous_SNV	40	163	1
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	2	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	13	51	1
nonsynonymous_SNV	58	202	1
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	14	58	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	16	68	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	106	408	8
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	29	130	0
nonsynonymous_SNV	90	370	6
stopgain	1	4	0
nonsynonymous_SNV	15	38	0
nonsynonymous_SNV	96	376	5
nonsynonymous_SNV	28	130	0
stopgain	1	5	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	13	49	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	79	341	4
nonsynonymous_SNV	87	343	3
nonsynonymous_SNV	31	122	0
nonsynonymous_SNV	15	37	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	4	29	0
nonframeshift_deletion	4	23	0
stopgain	4	23	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	22	115	0
nonsynonymous_SNV	148	651	22

nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	148	667	22
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	210	945	123
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	2	435
nonsynonymous_SNV	103	508	13
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	34	103	1
nonsynonymous_SNV	16	38	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	198	926	138
nonsynonymous_SNV	207	925	142
nonsynonymous_SNV	66	237	3
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	207	924	143
nonsynonymous_SNV	51	194	3
nonsynonymous_SNV	13	49	0
nonsynonymous_SNV	10	49	0
nonsynonymous_SNV	42	240	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	66	338	1
nonsynonymous_SNV	45	132	0
nonsynonymous_SNV	159	690	256
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	161	691	256
nonsynonymous_SNV	151	745	38
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	19	112	0
splicing	13	34	0
nonsynonymous_SNV	39	205	2
nonsynonymous_SNV	132	573	19
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	31	141	0
nonsynonymous_SNV	54	286	5
nonsynonymous_SNV	11	59	0
nonsynonymous_SNV	5	31	0
splicing	192	819	56

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	227	949	129
nonframeshift_deletion	1	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	6	17	431
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	176	691	237
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	156	717	250
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	15	101	0
nonsynonymous_SNV	3	2	1
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	10	35	0
nonsynonymous_SNV	10	30	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	20	91	0
nonsynonymous_SNV	112	534	19
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	27	129	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	209	962	117
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	227	941	123
nonsynonymous_SNV	3	2	0

nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	18	77	0
nonsynonymous_SNV	3	12	0
nonframeshift_insertion	65	285	4
stopgain	1	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	19	52	1
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	186	894	69
nonsynonymous_SNV	195	925	76
nonsynonymous_SNV	64	269	0
nonsynonymous_SNV	4	40	0
nonsynonymous_SNV	9	48	0
nonsynonymous_SNV	4	17	0
nonframeshift_deletion	2	24	0
nonsynonymous_SNV	9	47	0
nonsynonymous_SNV	86	338	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	190	915	72
nonsynonymous_SNV	192	916	72
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	210	886	152
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	18	38	0
nonsynonymous_SNV	120	452	9
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	27	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	57	247	3
stopgain	0	6	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	3	435

nonsynonymous_SNV	3	2	0
stopgain	30	118	1
splicing	167	728	233
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	38	210	2
nonsynonymous_SNV	17	86	1
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	195	924	148
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	37	213	3
splicing	5	30	0
nonsynonymous_SNV	12	35	0
frameshift_deletion	4	13	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	1	2	436
nonsynonymous_SNV	1	2	436
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	17	70	0
nonsynonymous_SNV	12	68	0
nonsynonymous_SNV	52	186	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	126	599	18
nonsynonymous_SNV	209	954	102
nonsynonymous_SNV	34	207	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	18	74	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	118	424	310
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	118	426	9
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	118	425	9
nonframeshift_insertion	8	17	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	186	835	36
nonsynonymous_SNV	7	18	0

nonsynonymous_SNV	4	13	1
nonsynonymous_SNV	19	71	418
nonsynonymous_SNV	8	13	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	15	48	1
nonsynonymous_SNV	180	822	219
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	5	14	0
frameshift_deletion	2	5	0
nonsynonymous_SNV	12	46	425
nonsynonymous_SNV	17	109	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	90	360	9
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	10	28	0
nonsynonymous_SNV	1	7	0
frameshift_deletion	0	7	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	9	35	0
frameshift_deletion	4	20	0
nonsynonymous_SNV	127	631	15
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	3	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	60	251	3
nonsynonymous_SNV	83	403	338
nonsynonymous_SNV	85	400	337
nonsynonymous_SNV	84	401	338
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	62	298	369
nonsynonymous_SNV	24	82	2
nonsynonymous_SNV	2	6	0

nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	60	239	373
nonsynonymous_SNV	97	455	322
nonsynonymous_SNV	23	82	3
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	34	174	1
nonsynonymous_SNV	97	457	320
nonsynonymous_SNV	98	457	321
nonsynonymous_SNV	18	53	0
nonsynonymous_SNV	43	220	4
nonsynonymous_SNV	64	257	4
stopgain	62	256	4
nonsynonymous_SNV	14	63	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	12	59	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	11	57	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	31	153	1
nonsynonymous_SNV	47	200	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	198	942	96
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	15	62	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	5	25	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	140	562	277
nonsynonymous_SNV	232	960	80
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	74	337	7
nonsynonymous_SNV	12	69	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	41	0
nonsynonymous_SNV	236	965	113
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	73	340	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	26	1
nonsynonymous_SNV	67	286	5
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	45	196	1
nonsynonymous_SNV	26	126	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	187	789	47
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	199	866	64
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	26	91	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	64	0
nonsynonymous_SNV	119	524	9
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	11	58	0
nonsynonymous_SNV	6	28	0
nonframeshift_deletion	9	35	0
frameshift_insertion	26	107	0
nonsynonymous_SNV	26	107	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	20	127	1
nonsynonymous_SNV	1	14	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	22	99	0
nonsynonymous_SNV	150	682	18
nonsynonymous_SNV	168	770	30
nonsynonymous_SNV	15	40	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	67	312	5
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	15	0
stopgain	7	44	0
nonsynonymous_SNV	5	27	0
nonframeshift_deletion	11	40	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	190	882	47
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	14	51	1
nonsynonymous_SNV	42	189	4
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	9	58	0
nonsynonymous_SNV	14	71	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	6	41	0
nonsynonymous_SNV	13	56	0
nonsynonymous_SNV	26	97	1
nonsynonymous_SNV	7	12	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	6	0
nonframeshift_deletion	2	6	0
nonsynonymous_SNV	25	117	0
nonsynonymous_SNV	8	35	0
nonsynonymous_SNV	211	914	152
nonsynonymous_SNV	209	894	70
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	7	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	24	87	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	42	184	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	26	91	0
nonsynonymous_SNV	19	69	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	9	25	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	9	56	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	36	148	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	72	354	7
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	51	252	2
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	23	109	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	23	107	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	14	83	0
nonsynonymous_SNV	99	394	8
stopgain	1	5	0
nonsynonymous_SNV	80	411	6
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	5	0

splicing	1	6	0
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	29	141	3
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	7	0
splicing	1	17	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	133	574	20
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	29	145	1
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	24	121	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	35	171	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	18	69	0
nonsynonymous_SNV	131	627	15
frameshift_insertion	131	627	15
frameshift_deletion	131	627	15
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	56	303	4
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	14	58	0
nonsynonymous_SNV	124	593	27
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	7	0
frameshift_deletion	2	4	0
nonsynonymous_SNV	27	133	0
nonsynonymous_SNV	221	968	101
nonsynonymous_SNV	10	24	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	26	151	0
nonsynonymous_SNV	222	961	103
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	115	517	7
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	230	922	100
nonsynonymous_SNV	125	556	20
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	28	108	0
nonsynonymous_SNV	207	890	75
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	8	0
splicing	5	32	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	11	36	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	65	0
nonsynonymous_SNV	57	220	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	79	353	7
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	24	85	1
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	193	898	50
nonsynonymous_SNV	200	902	56
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	16	56	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	214	949	103
nonsynonymous_SNV	6	24	0

nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	2	66	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	72	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	207	952	104
frameshift_insertion	3	20	0
nonsynonymous_SNV	12	10	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	204	951	105
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	29	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	194	835	180
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	24	84	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	128	596	23
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	181	822	48
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	14	57	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	97	371	6
nonsynonymous_SNV	40	215	2
nonsynonymous_SNV	51	187	1
stopgain	2	3	0
nonsynonymous_SNV	4	21	1
nonsynonymous_SNV	16	83	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	191	885	55
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	7	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	186	822	59
nonsynonymous_SNV	64	300	1
nonsynonymous_SNV	149	644	275
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	231	969	85
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	233	974	83
nonsynonymous_SNV	232	972	84
frameshift_deletion	2	11	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	9	49	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	5	38	0
nonsynonymous_SNV	23	67	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	193	856	196
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	152	711	28
nonsynonymous_SNV	27	95	0
nonsynonymous_SNV	0	5	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	48	196	1
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	201	912	77
nonsynonymous_SNV	6	35	1
nonsynonymous_SNV	14	44	0
nonsynonymous_SNV	59	227	6
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	52	232	1
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	67	303	367
nonsynonymous_SNV	214	915	150
nonsynonymous_SNV	34	154	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	76	325	4
nonsynonymous_SNV	11	40	0

nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	21	64	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	11	51	0
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	100	484	10
nonsynonymous_SNV	1	3	435
nonsynonymous_SNV	234	923	84
nonsynonymous_SNV	116	501	6
nonsynonymous_SNV	48	198	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	109	482	6
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	157	738	37
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	209	939	81
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	194	864	50
nonsynonymous_SNV	14	61	1
nonsynonymous_SNV	194	864	49
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	172	724	24
nonsynonymous_SNV	16	52	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	3	13	0
nonframeshift_deletion	1	8	0
frameshift_deletion	1	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	18	77	0
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	39	180	1
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	212	953	69
nonsynonymous_SNV	32	186	1

nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	20	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	78	305	7
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	69	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	93	457	4
nonsynonymous_SNV	35	201	1
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	184	857	49
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	14	81	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	4	40	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	9	0

nonsynonymous_SNV	176	732	21
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	32	124	0
nonsynonymous_SNV	42	187	1
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	202	884	149
nonsynonymous_SNV	132	517	21
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	129	564	7
nonsynonymous_SNV	49	231	2
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	181	739	223
nonsynonymous_SNV	28	121	0
nonsynonymous_SNV	86	488	13
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	10	53	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	55	311	4
nonsynonymous_SNV	20	87	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	11	82	0
nonsynonymous_SNV	142	583	16
nonsynonymous_SNV	212	955	98
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	216	920	118
nonsynonymous_SNV	8	14	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	21	93	0
nonsynonymous_SNV	48	185	2
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	11	36	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	136	542	15
stopgain	11	33	0
nonsynonymous_SNV	136	542	15
nonsynonymous_SNV	188	923	91
nonsynonymous_SNV	224	954	91
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	148	705	38
nonsynonymous_SNV	120	689	21
nonsynonymous_SNV	120	520	10
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	206	903	67
nonsynonymous_SNV	2	13	0
splicing	5	6	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	125	534	296
nonsynonymous_SNV	196	777	39
nonsynonymous_SNV	196	773	39
stopgain	1	8	0
nonsynonymous_SNV	14	45	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	17	76	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	66	327	2
nonsynonymous_SNV	200	883	188
nonsynonymous_SNV	64	324	2
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	0	10	0
nonframeshift_deletion	0	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	2	0
nonframeshift_deletion	94	404	6
nonsynonymous_SNV	9	55	0
nonsynonymous_SNV	194	912	59
nonsynonymous_SNV	5	15	0

nonsynonymous_SNV	70	324	2
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	65	330	5
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	3	13	0
stopgain	2	18	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	8	36	429
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	160	706	33
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	111	534	314
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	41	225	2
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	227	896	156
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	18	0
nonsynonymous_SNV	132	502	13
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	211	958	96
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	29	137	2
nonsynonymous_SNV	7	17	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	29	135	2
nonsynonymous_SNV	4	36	0
nonsynonymous_SNV	167	740	239
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	11	50	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	66	229	1

nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	10	65	0
nonsynonymous_SNV	158	703	26
nonsynonymous_SNV	14	87	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	12	0
nonframeshift_insertion	181	780	48
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	45	230	5
nonsynonymous_SNV	15	60	0
nonsynonymous_SNV	139	627	24
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
splicing	58	233	6
stopgain	29	172	4
nonsynonymous_SNV	2	32	0
nonsynonymous_SNV	125	536	14
nonsynonymous_SNV	126	537	14
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	46	175	1
nonsynonymous_SNV	46	212	6
nonsynonymous_SNV	168	805	32
nonsynonymous_SNV	28	142	0
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	22	118	0
nonsynonymous_SNV	195	850	36
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	141	677	26
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	146	710	33
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	137	704	35
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	161	695	29
nonsynonymous_SNV	2	11	0
nonframeshift_deletion	0	15	0

nonframeshift_insertion	16	75	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	19	92	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	66	295	5
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	13	37	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	13	37	1
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	15	110	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	19	64	0
nonsynonymous_SNV	118	522	16
nonsynonymous_SNV	118	522	16
stopgain	0	6	0
nonsynonymous_SNV	113	450	3
nonsynonymous_SNV	14	67	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	27	155	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	8	52	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	65	303	5
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	79	431	11
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	25	119	2

nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	204	967	140
nonsynonymous_SNV	217	988	111
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	204	967	140
nonsynonymous_SNV	202	968	141
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	10	44	0
nonsynonymous_SNV	42	162	1
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	24	71	0
nonsynonymous_SNV	17	62	0
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	85	475	6
nonsynonymous_SNV	203	946	118
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	26	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	21	88	0
nonsynonymous_SNV	40	184	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	145	671	29
nonsynonymous_SNV	4	5	433
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	155	694	22
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	35	154	1
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	3	51	0
stopgain	27	89	0
nonsynonymous_SNV	11	25	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	39	0

nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	113	545	9
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	25	85	2
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	32	1
nonsynonymous_SNV	75	295	3
nonsynonymous_SNV	185	818	38
nonsynonymous_SNV	203	854	56
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	29	126	1
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	8	46	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	20	74	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	212	951	92
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	111	498	11
nonsynonymous_SNV	77	345	3
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	31	139	0
nonsynonymous_SNV	70	301	2
nonsynonymous_SNV	45	206	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	19	66	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	45	241	3
nonsynonymous_SNV	48	201	1

nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	152	668	256
nonsynonymous_SNV	151	680	260
nonsynonymous_SNV	58	249	5
nonsynonymous_SNV	3	8	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	43	201	5
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	69	388	8
nonsynonymous_SNV	12	45	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	8	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	237	961	75
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	4	42	0
nonsynonymous_SNV	12	76	0
nonsynonymous_SNV	121	552	5
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	10	51	0
nonsynonymous_SNV	54	218	1
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	47	203	1
nonsynonymous_SNV	35	141	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	46	198	1

nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	27	122	2
nonsynonymous_SNV	4	46	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	125	626	291
nonsynonymous_SNV	133	663	286
nonsynonymous_SNV	36	180	0
nonsynonymous_SNV	10	35	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	29	122	1
nonsynonymous_SNV	2	11	0
nonframeshift_deletion	35	134	0
nonsynonymous_SNV	24	101	0
nonsynonymous_SNV	9	0	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	189	852	61
nonsynonymous_SNV	211	877	168
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	12	44	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	87	349	8
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	30	132	407
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	4	0
nonframeshift_deletion	135	534	12
nonsynonymous_SNV	37	131	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	14	65	1

nonsynonymous_SNV	16	61	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	35	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	13	36	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	10	43	0
nonsynonymous_SNV	74	392	6
nonsynonymous_SNV	5	10	432
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	12	35	0
nonsynonymous_SNV	9	53	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	27	124	1
nonsynonymous_SNV	9	23	0
nonsynonymous_SNV	65	263	4
nonsynonymous_SNV	49	219	2
nonsynonymous_SNV	49	219	2
nonsynonymous_SNV	65	263	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	223	972	82
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	2	11	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	189	847	47
nonsynonymous_SNV	80	326	3
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	87	413	7
nonsynonymous_SNV	84	414	7
nonsynonymous_SNV	93	359	6

stopgain	1	6	0
nonsynonymous_SNV	68	343	6
nonsynonymous_SNV	23	122	414
nonsynonymous_SNV	122	544	11
nonsynonymous_SNV	176	801	216
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	183	856	50
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	52	283	2
nonsynonymous_SNV	15	69	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	88	387	11
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	39	148	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	66	235	2
nonsynonymous_SNV	11	51	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	95	422	3
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	95	418	3
nonsynonymous_SNV	87	381	3
nonsynonymous_SNV	113	474	9
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	20	79	1
nonsynonymous_SNV	208	971	114
splicing	43	222	392
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	94	533	325

nonsynonymous_SNV	98	530	328
nonsynonymous_SNV	20	90	1
nonsynonymous_SNV	97	530	329
nonsynonymous_SNV	213	962	84
nonsynonymous_SNV	69	314	8
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	32	172	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	29	111	1
nonsynonymous_SNV	14	65	1
nonsynonymous_SNV	1	12	0
frameshift_insertion	204	849	61
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	182	729	225
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	15	52	0
nonsynonymous_SNV	25	84	1
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	8	45	0
nonsynonymous_SNV	21	63	1
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	176	731	229
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	188	829	60
nonsynonymous_SNV	188	829	60
nonsynonymous_SNV	130	567	13
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	166	735	38

nonsynonymous_SNV	167	736	38
nonsynonymous_SNV	2	3	0
stopgain	3	12	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	33	131	2
nonsynonymous_SNV	78	371	5
nonsynonymous_SNV	1	4	436
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	123	603	15
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	229	937	120
nonsynonymous_SNV	30	185	2
nonsynonymous_SNV	48	205	1
nonsynonymous_SNV	51	204	1
nonsynonymous_SNV	11	24	0
nonframeshift_insertion	15	136	0
frameshift_insertion	19	137	0
nonframeshift_insertion	4	41	0
frameshift_insertion	49	145	0
splicing	16	67	0
nonframeshift_insertion	0	11	0
splicing	14	79	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	17	70	0
nonsynonymous_SNV	125	536	296
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	43	216	3
nonsynonymous_SNV	7	48	0
nonsynonymous_SNV	8	65	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	9	44	0
nonsynonymous_SNV	206	887	55
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	200	827	44
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	34	189	1
nonsynonymous_SNV	8	21	0

nonsynonymous_SNV	97	472	13
nonsynonymous_SNV	15	84	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	42	217	3
nonsynonymous_SNV	72	339	353
nonsynonymous_SNV	13	52	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	185	822	47
nonsynonymous_SNV	23	108	0
nonsynonymous_SNV	218	915	132
nonsynonymous_SNV	186	807	40
nonsynonymous_SNV	11	53	0
nonsynonymous_SNV	186	802	39
stopgain	28	141	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	213	902	89
frameshift_deletion	3	4	0
nonsynonymous_SNV	12	68	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	157	724	34
nonsynonymous_SNV	38	172	2
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	37	166	1
nonsynonymous_SNV	124	504	298
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	93	532	15
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	43	221	0
nonsynonymous_SNV	5	2	0
nonsynonymous_SNV	66	328	2
nonsynonymous_SNV	80	411	5
nonsynonymous_SNV	81	408	5
nonsynonymous_SNV	78	405	6
nonsynonymous_SNV	78	404	6

nonsynonymous_SNV	79	404	6
nonsynonymous_SNV	80	401	6
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	180	863	58
nonsynonymous_SNV	73	397	6
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	26	105	1
nonsynonymous_SNV	180	865	208
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	61	226	2
nonsynonymous_SNV	50	191	1
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	10	26	0
nonsynonymous_SNV	0	3	436
nonsynonymous_SNV	106	468	317
nonsynonymous_SNV	11	41	0
nonsynonymous_SNV	12	54	0
nonsynonymous_SNV	91	345	2
nonsynonymous_SNV	8	48	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	95	469	12
nonsynonymous_SNV	41	193	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	8	35	0
nonsynonymous_SNV	42	190	4
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	68	279	5
nonsynonymous_SNV	23	65	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	159	594	13
nonsynonymous_SNV	169	644	20
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	205	787	34
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	67	274	3
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	18	112	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	14	81	1
nonsynonymous_SNV	67	325	5
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	13	45	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	43	178	2
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	8	45	0
nonframeshift_deletion	1	6	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	79	311	1
nonsynonymous_SNV	0	19	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	142	625	16
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	7	12	0
nonsynonymous_SNV	9	59	1
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	8	6	0
nonsynonymous_SNV	89	386	8
nonsynonymous_SNV	11	45	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	147	624	15
nonframeshift_deletion	7	12	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	86	361	7
nonsynonymous_SNV	13	56	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	16	84	1
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	35	125	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	51	209	4
nonsynonymous_SNV	5	6	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	76	345	5
nonsynonymous_SNV	10	62	1
nonsynonymous_SNV	80	339	4
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	78	340	4
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	17	0
frameshift_deletion	3	46	0
nonframeshift_deletion	4	48	0
nonframeshift_insertion	6	35	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	14	49	0
nonsynonymous_SNV	15	63	0
nonsynonymous_SNV	209	935	92
nonsynonymous_SNV	11	14	0

nonsynonymous_SNV	18	72	1
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	17	66	1
nonsynonymous_SNV	185	784	217
nonsynonymous_SNV	55	205	0
nonsynonymous_SNV	91	361	4
nonsynonymous_SNV	15	67	0
nonsynonymous_SNV	15	67	0
nonsynonymous_SNV	11	43	0
frameshift_deletion	5	19	0
frameshift_deletion	5	19	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	61	247	372
nonsynonymous_SNV	42	183	1
nonsynonymous_SNV	0	5	0
frameshift_deletion	3	10	0
nonsynonymous_SNV	6	40	0
nonsynonymous_SNV	50	194	0
nonsynonymous_SNV	62	245	1
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	69	311	363
splicing	0	7	0
nonsynonymous_SNV	2	2	435
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	53	244	2
nonsynonymous_SNV	2	10	0
stopgain	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	91	416	6
nonsynonymous_SNV	187	850	210
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	1	14	435
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	51	207	0
nonsynonymous_SNV	84	366	1
nonsynonymous_SNV	196	899	179
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	189	857	199

nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	169	765	32
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	31	133	1
nonsynonymous_SNV	14	54	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	15	0
frameshift_deletion	2	15	0
splicing	2	15	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	150	633	20
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	0	0	437
splicing	2	16	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	75	0
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	2	6	0
nonsynonymous_SNV	165	726	36
nonsynonymous_SNV	140	642	23
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	0	16	0
frameshift_insertion	2	4	0
frameshift_deletion	3	6	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	8	17	0

nonsynonymous_SNV	189	758	218
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	151	669	19
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	6	7	0
nonsynonymous_SNV	190	836	192
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	31	88	0
nonsynonymous_SNV	79	351	7
nonsynonymous_SNV	3	11	0
splicing	2	17	0
nonsynonymous_SNV	25	103	1
nonsynonymous_SNV	33	148	0
nonsynonymous_SNV	15	111	1
nonsynonymous_SNV	63	362	7
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	28	104	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	208	939	96
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	36	172	2
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	22	123	1
nonsynonymous_SNV	33	126	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	18	101	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	8	41	0
nonsynonymous_SNV	9	48	0
nonsynonymous_SNV	217	908	105
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	157	686	31
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	11	36	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	92	323	4
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	76	348	5
nonsynonymous_SNV	13	42	0
nonsynonymous_SNV	19	87	0
nonsynonymous_SNV	13	40	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	15	60	0
nonsynonymous_SNV	7	19	0
splicing	2	3	0
nonsynonymous_SNV	34	162	1
nonsynonymous_SNV	120	576	15
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	113	562	9
nonsynonymous_SNV	172	761	232
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	8	17	0
nonsynonymous_SNV	44	137	3
nonsynonymous_SNV	44	136	3
nonsynonymous_SNV	235	925	98
nonsynonymous_SNV	1	2	436
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	40	140	1
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	87	382	6
nonsynonymous_SNV	192	864	53
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	23	137	1
nonsynonymous_SNV	59	259	4
stopgain	66	308	5

nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	56	223	2
nonsynonymous_SNV	65	237	2
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	74	339	7
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	89	341	5
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	4	36	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	146	573	264
nonsynonymous_SNV	146	574	264
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	89	395	8
nonsynonymous_SNV	15	118	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	68	312	5
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	19	81	0
nonsynonymous_SNV	77	362	4
nonsynonymous_SNV	12	83	0
nonsynonymous_SNV	214	924	83
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	30	121	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	162	632	26
nonsynonymous_SNV	123	581	294
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	0	19	0
nonsynonymous_SNV	160	703	23
nonsynonymous_SNV	2	34	0
splicing	0	0	437

nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	50	231	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	216	960	124
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	32	167	404
nonsynonymous_SNV	23	108	1
nonsynonymous_SNV	199	915	58
nonsynonymous_SNV	6	48	431
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	203	952	91
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	53	0
nonsynonymous_SNV	186	787	38
nonsynonymous_SNV	197	867	49
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	8	45	0
stopgain	1	9	0
stopgain	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	15	64	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	28	135	1
nonsynonymous_SNV	180	920	77
nonsynonymous_SNV	175	920	81
nonsynonymous_SNV	1	10	0

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	207	919	134
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	56	272	2
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	15	50	0
nonsynonymous_SNV	24	77	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	53	273	2
nonsynonymous_SNV	20	87	0
nonsynonymous_SNV	187	933	144
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	19	68	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	14	43	0
nonsynonymous_SNV	13	55	0
nonsynonymous_SNV	123	523	17
nonsynonymous_SNV	11	34	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	42	172	0
nonsynonymous_SNV	193	852	201
nonsynonymous_SNV	96	433	5
nonsynonymous_SNV	18	54	0
nonsynonymous_SNV	30	113	1
splicing	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	11	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	91	447	341
nonsynonymous_SNV	0	18	0
nonsynonymous_SNV	47	165	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	218	919	129
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	13	49	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	14	53	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	21	69	0
nonsynonymous_SNV	10	37	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	5	16	0
nonframeshift_deletion	1	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	211	962	85
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	122	497	17
nonsynonymous_SNV	9	74	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	135	595	288
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	6	23	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	8	26	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	38	0
nonsynonymous_SNV	108	585	10
nonsynonymous_SNV	14	39	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	128	469	12
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	38	193	0
nonsynonymous_SNV	124	546	10
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	38	189	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	72	316	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	174	795	43
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	75	271	2
nonsynonymous_SNV	102	482	8
nonsynonymous_SNV	82	338	4
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	169	755	30
nonsynonymous_SNV	70	304	1
nonsynonymous_SNV	1	9	0

nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	186	857	51
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	20	69	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	4	0
frameshift_deletion	3	6	0
nonsynonymous_SNV	1	4	0
stopgain	7	35	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	220	917	133
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	29	103	0
nonsynonymous_SNV	124	566	299
nonsynonymous_SNV	68	293	2
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	190	936	173
nonsynonymous_SNV	199	951	145
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	60	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	133	701	282
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	28	104	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	55	281	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	10	0

nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	6	0
nonframeshift_deletion	206	927	94
frameshift_deletion	206	926	93
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	31	0
nonframeshift_deletion	4	14	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	27	95	0
nonsynonymous_SNV	1	5	0
splicing	1	0	436
nonsynonymous_SNV	30	131	1
nonsynonymous_SNV	22	85	0
nonsynonymous_SNV	13	84	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	26	98	411
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	2	436
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	1	4	0
frameshift_deletion	2	7	0
nonsynonymous_SNV	18	72	0
frameshift_insertion	1	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	40	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	188	926	187
nonsynonymous_SNV	85	423	7

nonsynonymous_SNV	109	499	8
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	48	255	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	71	321	6
nonsynonymous_SNV	71	325	6
nonsynonymous_SNV	31	150	1
nonsynonymous_SNV	1	11	1
nonsynonymous_SNV	14	54	1
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	213	966	115
nonsynonymous_SNV	185	864	63
nonsynonymous_SNV	202	957	102
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	14	66	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	10	50	0
nonsynonymous_SNV	63	286	5
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	140	635	27
nonsynonymous_SNV	2	7	0
nonframeshift_deletion	196	903	174
nonframeshift_deletion	196	903	174
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	96	308	5
nonsynonymous_SNV	46	134	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	0	21	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	27	128	1
nonsynonymous_SNV	48	179	1
stopgain	3	5	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	100	457	9
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	182	913	171
nonsynonymous_SNV	4	41	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	39	187	396
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	161	730	22
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	10	0
nonframeshift_insertion	2	6	0
nonsynonymous_SNV	177	732	46
nonframeshift_insertion	4	18	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	6	3	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	185	743	35
nonsynonymous_SNV	184	739	36
nonsynonymous_SNV	60	311	6
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	180	825	57
nonsynonymous_SNV	9	19	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	179	787	46
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	34	159	0
nonsynonymous_SNV	114	573	20
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	14	47	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	229	931	104
frameshift_deletion	28	176	2
nonsynonymous_SNV	13	66	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	4	25	0
stopgain	12	61	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	78	343	3
nonsynonymous_SNV	13	39	0
nonsynonymous_SNV	0	8	0

nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	34	136	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	19	86	0
nonsynonymous_SNV	187	833	184
nonsynonymous_SNV	88	365	5
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	24	79	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	3	13	0
nonframeshift_deletion	3	27	0
nonsynonymous_SNV	5	25	0
splicing	4	16	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	38	188	0
nonsynonymous_SNV	56	232	2
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	147	651	24
nonsynonymous_SNV	77	337	5
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	221	959	137
frameshift_insertion	3	13	0
nonsynonymous_SNV	154	739	29
nonsynonymous_SNV	164	750	32
nonsynonymous_SNV	155	741	30
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	7	0
nonframeshift_deletion	10	84	0
nonsynonymous_SNV	2	8	0

nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	80	382	7
nonsynonymous_SNV	18	52	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	53	276	3
nonsynonymous_SNV	11	40	0
stopgain	17	75	0
nonsynonymous_SNV	59	199	1
nonsynonymous_SNV	163	665	252
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	38	153	2
nonsynonymous_SNV	5	11	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	68	228	1
nonsynonymous_SNV	118	590	13
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	11	50	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	138	554	18
nonsynonymous_SNV	115	520	13
nonframeshift_deletion	1	9	0
nonsynonymous_SNV	8	65	0
nonsynonymous_SNV	93	435	8
nonsynonymous_SNV	76	349	9
nonsynonymous_SNV	76	349	9
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	12	65	0
nonsynonymous_SNV	174	884	195
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	86	339	4
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	210	960	92
nonsynonymous_SNV	2	12	0

nonsynonymous_SNV	139	627	280
nonsynonymous_SNV	12	70	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	14	50	0
nonsynonymous_SNV	178	791	38
nonsynonymous_SNV	110	461	320
nonsynonymous_SNV	127	568	301
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	54	334	4
nonframeshift_deletion	133	592	12
nonsynonymous_SNV	75	346	2
nonsynonymous_SNV	171	732	44
nonsynonymous_SNV	11	42	0
nonsynonymous_SNV	155	675	14
nonsynonymous_SNV	14	56	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	8	87	0
nonsynonymous_SNV	174	756	46
nonsynonymous_SNV	173	751	46
nonsynonymous_SNV	31	120	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	152	703	255
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	17	114	0
nonsynonymous_SNV	167	788	35
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	6	0
nonframeshift_insertion	196	816	36
nonsynonymous_SNV	193	912	52
nonsynonymous_SNV	12	62	0
nonsynonymous_SNV	148	709	15
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	14	66	0
nonsynonymous_SNV	34	151	2
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	16	75	0
nonsynonymous_SNV	198	904	192
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	187	865	209

nonsynonymous_SNV	198	904	192
nonsynonymous_SNV	195	816	44
nonsynonymous_SNV	144	646	18
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	198	898	187
nonsynonymous_SNV	15	90	0
nonsynonymous_SNV	198	905	192
nonsynonymous_SNV	198	904	192
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	198	902	192
nonsynonymous_SNV	28	119	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	24	116	0
nonsynonymous_SNV	199	905	192
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	190	779	37
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	38	176	4
nonsynonymous_SNV	62	273	3
nonsynonymous_SNV	16	78	0
nonsynonymous_SNV	89	361	4
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	16	57	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	139	612	14
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	72	319	360
nonsynonymous_SNV	3	15	1
splicing	1	11	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	44	213	2
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	17	0

nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	102	555	13
nonsynonymous_SNV	10	49	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	210	886	160
nonsynonymous_SNV	211	889	159
nonsynonymous_SNV	211	880	159
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	24	112	0
nonsynonymous_SNV	135	558	283
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	143	752	28
nonsynonymous_SNV	145	702	30
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	222	861	161
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	198	914	73
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	12	32	0
nonsynonymous_SNV	198	910	75
nonsynonymous_SNV	54	267	9
nonsynonymous_SNV	12	32	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	101	433	8
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	222	924	135
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	10	55	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	69	304	364
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	201	824	54
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	201	826	53
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	217	924	132
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	167	726	36
nonsynonymous_SNV	9	34	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	15	51	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	15	94	0
nonsynonymous_SNV	218	952	81
nonsynonymous_SNV	21	98	0
nonsynonymous_SNV	214	956	77
nonsynonymous_SNV	47	168	0
nonsynonymous_SNV	184	830	43
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	108	442	16
nonsynonymous_SNV	10	67	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	77	301	2
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	211	921	132
nonsynonymous_SNV	3	32	0
nonsynonymous_SNV	12	47	0
nonsynonymous_SNV	11	37	0
nonsynonymous_SNV	10	24	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	195	831	178

nonsynonymous_SNV	134	515	10
nonsynonymous_SNV	134	513	10
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	79	350	2
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	205	962	100
nonsynonymous_SNV	95	365	3
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	9	42	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	198	980	144
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	45	260	4
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	49	265	4
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	9	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	12	0
stopgain	2	4	0
nonsynonymous_SNV	176	825	32
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	17	75	0
nonsynonymous_SNV	65	280	3
nonsynonymous_SNV	55	237	2
nonframeshift_insertion	2	5	0
splicing	5	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	62	255	1
nonsynonymous_SNV	4	16	433
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	215	913	70
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	5	0

nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	13	56	0
nonsynonymous_SNV	100	575	330
nonsynonymous_SNV	12	52	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	13	58	0
nonsynonymous_SNV	152	664	23
nonsynonymous_SNV	4	8	0
splicing	1	4	0
nonsynonymous_SNV	132	602	289
stopgain	71	383	7
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	28	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	52	152	0
nonsynonymous_SNV	232	992	104
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	51	240	384
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	28	121	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	232	969	119
frameshift_insertion	232	970	119
nonsynonymous_SNV	172	776	28
nonsynonymous_SNV	21	66	1
nonsynonymous_SNV	37	146	0
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	77	337	2
nonsynonymous_SNV	206	898	161
nonsynonymous_SNV	81	351	2
nonsynonymous_SNV	82	351	2

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	69	353	6
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	181	854	47
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	48	192	1
nonsynonymous_SNV	209	953	97
nonsynonymous_SNV	209	953	97
nonsynonymous_SNV	16	56	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	209	953	97
nonsynonymous_SNV	23	97	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	14	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	180	802	49
nonsynonymous_SNV	60	361	2
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	137	652	26
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	2	5	0
stopgain	3	15	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	10	29	1
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	2	10	0

nonsynonymous_SNV	85	359	4
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	77	316	1
stopgain	10	41	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	98	473	7
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	132	594	15
nonsynonymous_SNV	12	47	0
stopgain	10	46	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	85	396	4
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	14	59	0
nonsynonymous_SNV	143	600	16
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	3	26	0
frameshift_insertion	7	41	0
nonsynonymous_SNV	130	546	7
nonsynonymous_SNV	10	32	1
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	39	1
nonsynonymous_SNV	67	282	3
nonsynonymous_SNV	59	243	3
nonsynonymous_SNV	15	48	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	207	888	145
nonsynonymous_SNV	11	42	0
frameshift_insertion	154	788	52
nonsynonymous_SNV	184	890	84
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	6	9	0

nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	69	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	1	7	1
nonsynonymous_SNV	12	45	0
nonsynonymous_SNV	24	89	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	33	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	125	543	14
nonsynonymous_SNV	205	895	65
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	205	901	65
nonsynonymous_SNV	205	896	65
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	39	122	1
nonsynonymous_SNV	94	379	9
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	142	690	27
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	181	872	64
nonsynonymous_SNV	1	7	0
stopgain	1	7	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	18	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	142	690	27
nonsynonymous_SNV	190	872	63
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	93	393	10
nonsynonymous_SNV	8	48	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	185	889	61

nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	13	45	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	11	34	0
splicing	4	7	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	10	27	0
nonsynonymous_SNV	10	40	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	40	159	2
nonsynonymous_SNV	131	635	32
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	21	114	2
nonsynonymous_SNV	16	84	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	150	690	27
nonsynonymous_SNV	0	6	0
nonframeshift_insertion	3	5	0
nonsynonymous_SNV	8	51	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	115	630	24
nonframeshift_deletion	35	150	1
nonsynonymous_SNV	189	777	30
stopgain	1	6	0
frameshift_deletion	59	253	3
nonsynonymous_SNV	11	30	0
nonsynonymous_SNV	32	134	2
nonsynonymous_SNV	11	29	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	78	342	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	44	188	2
nonsynonymous_SNV	40	149	0

nonsynonymous_SNV	41	152	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	230	946	120
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	22	81	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	115	475	11
nonsynonymous_SNV	20	75	0
nonsynonymous_SNV	14	71	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	141	766	36
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	11	27	0
nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	55	239	0
nonsynonymous_SNV	13	83	0
nonsynonymous_SNV	9	77	0
nonsynonymous_SNV	56	253	1
nonsynonymous_SNV	220	946	86
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	188	723	221
nonsynonymous_SNV	57	251	1
nonsynonymous_SNV	114	535	18
nonsynonymous_SNV	56	253	1
nonsynonymous_SNV	113	567	19
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	13	49	1
nonsynonymous_SNV	12	80	0
nonsynonymous_SNV	80	327	346
nonsynonymous_SNV	11	59	1
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	93	387	340
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	12	0

nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	56	239	1
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	39	180	2
nonsynonymous_SNV	77	279	356
nonsynonymous_SNV	37	161	2
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	88	343	7
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	100	364	7
nonsynonymous_SNV	156	660	18
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	32	1
nonsynonymous_SNV	154	657	19
nonsynonymous_SNV	211	856	65
nonsynonymous_SNV	65	315	0
nonsynonymous_SNV	163	741	36
nonsynonymous_SNV	40	142	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	207	882	71
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	160	757	40
nonsynonymous_SNV	164	749	38
nonsynonymous_SNV	164	749	38
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	208	916	163
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	12	54	0
nonsynonymous_SNV	12	54	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	7	0
nonframeshift_deletion	4	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	45	186	0
nonsynonymous_SNV	55	247	1
nonsynonymous_SNV	46	163	1
nonsynonymous_SNV	54	244	1
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	30	155	1

nonsynonymous_SNV	9	46	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	16	80	1
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	13	37	1
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	113	601	15
nonsynonymous_SNV	2	7	0
stopgain	3	10	0
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	15	100	1
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	125	581	301
nonsynonymous_SNV	65	285	2
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	4	0
stopgain	0	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	10	55	0
nonsynonymous_SNV	110	504	10
nonsynonymous_SNV	103	505	11
nonsynonymous_SNV	9	44	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	102	454	6
nonsynonymous_SNV	108	497	318
nonsynonymous_SNV	205	928	136
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	10	39	0
nonsynonymous_SNV	4	18	0

nonsynonymous_SNV	29	111	2
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	21	76	0
nonsynonymous_SNV	27	103	0
nonsynonymous_SNV	11	57	1
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	21	76	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	77	330	1
nonsynonymous_SNV	3	17	0
frameshift_deletion	9	68	0
nonsynonymous_SNV	86	391	7
nonsynonymous_SNV	3	32	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	231	929	121
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	131	661	16
nonsynonymous_SNV	178	817	40
nonsynonymous_SNV	1	3	1
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	2	4	0
stopgain	1	8	0
nonsynonymous_SNV	11	80	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	6	0
nonframeshift_deletion	6	34	0
nonframeshift_deletion	3	7	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	132	581	18
nonsynonymous_SNV	62	281	6
nonsynonymous_SNV	10	23	0
nonsynonymous_SNV	0	11	0

nonframeshift_deletion	0	8	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	195	970	88
nonsynonymous_SNV	162	817	214
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	39	133	1
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	9	36	427
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	28	1
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	26	0
nonframeshift_deletion	0	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	13	33	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	16	55	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	12	61	0

nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	38	1
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	66	340	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	57	308	3
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	20	111	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	4	0
stopgain	0	5	0
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	15	80	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	22	115	0
nonsynonymous_SNV	202	864	53
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	230	931	71
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	0	6	1
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	215	930	87
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	31	116	1
nonsynonymous_SNV	11	24	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	11	73	0
nonsynonymous_SNV	210	953	90
nonsynonymous_SNV	209	952	86
nonsynonymous_SNV	13	34	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	12	54	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	172	726	23
nonsynonymous_SNV	178	763	32
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	178	757	32
frameshift_deletion	58	243	1
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	133	609	12
nonsynonymous_SNV	169	744	31
nonsynonymous_SNV	18	61	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	59	238	1
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	130	621	16

nonsynonymous_SNV	21	90	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	6	48	0
nonsynonymous_SNV	10	49	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	48	189	1
nonsynonymous_SNV	44	212	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	6	0
nonsynonymous_SNV	44	212	0
nonsynonymous_SNV	44	212	0
nonsynonymous_SNV	6	8	0
nonsynonymous_SNV	44	214	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	44	214	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	13	52	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	25	131	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	5	0
nonframeshift_insertion	11	15	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	135	580	17
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	212	972	72
nonsynonymous_SNV	45	243	0
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	4	11	0

nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	15	55	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	61	221	1
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	203	793	47
nonsynonymous_SNV	8	41	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	13	55	0
nonsynonymous_SNV	24	86	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	32	129	0
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	37	217	1
nonsynonymous_SNV	190	795	211
nonsynonymous_SNV	11	28	0
nonsynonymous_SNV	174	741	221
nonsynonymous_SNV	188	810	216
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	82	362	4
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	5	0
stopgain	1	6	0
nonframeshift_deletion	1	10	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	11	39	0
nonsynonymous_SNV	30	193	2
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	7	0
nonframeshift_deletion	24	175	2
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	26	182	4
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	21	67	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	216	995	128
nonsynonymous_SNV	29	119	1
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	45	185	0
nonsynonymous_SNV	17	78	0
nonsynonymous_SNV	195	890	182
nonsynonymous_SNV	51	219	4
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	215	939	150
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	25	96	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	32	136	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	218	979	121
nonsynonymous_SNV	0	6	0
nonframeshift_deletion	1	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	57	276	6
nonsynonymous_SNV	1	2	436
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	216	985	124
nonsynonymous_SNV	64	246	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	202	894	47
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	129	608	18
nonsynonymous_SNV	0	0	437

nonsynonymous_SNV	3	8	1
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	17	94	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	9	24	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	7	25	0
nonframeshift_deletion	212	898	158
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	18	84	0
nonsynonymous_SNV	18	84	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	15	114	0
nonsynonymous_SNV	210	910	57
nonsynonymous_SNV	34	120	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	9	53	0
nonsynonymous_SNV	3	31	0
nonsynonymous_SNV	13	36	0
nonsynonymous_SNV	14	41	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	72	311	1
nonsynonymous_SNV	72	311	1
nonsynonymous_SNV	1	1	436
nonsynonymous_SNV	8	31	1
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	10	24	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	17	61	1

nonsynonymous_SNV	126	632	17
nonsynonymous_SNV	6	40	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	152	613	18
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	62	0
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	59	249	2
nonsynonymous_SNV	60	249	2
nonsynonymous_SNV	5	41	0
nonsynonymous_SNV	8	10	1
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	8	45	429
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	5	50	0
nonsynonymous_SNV	21	88	1
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	114	598	16
nonsynonymous_SNV	99	470	318
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	24	0
nonsynonymous_SNV	80	288	2
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	12	69	0
nonsynonymous_SNV	13	62	0
nonsynonymous_SNV	12	21	0
nonsynonymous_SNV	212	914	70
nonsynonymous_SNV	17	104	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	193	805	40
nonsynonymous_SNV	193	804	40
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	85	360	6
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	12	27	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	65	245	2
nonsynonymous_SNV	178	750	26
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	7	0
nonframeshift_insertion	43	186	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	45	0
nonsynonymous_SNV	47	166	0
nonsynonymous_SNV	8	49	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	162	778	39
stopgain	1	6	0
nonsynonymous_SNV	15	99	0
nonsynonymous_SNV	10	72	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	17	61	0
nonsynonymous_SNV	17	60	0
nonsynonymous_SNV	204	981	107
nonsynonymous_SNV	199	982	109
nonsynonymous_SNV	15	27	0
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	200	901	173
nonsynonymous_SNV	12	75	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	205	899	175
nonframeshift_deletion	2	29	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	30	129	1
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	50	200	1
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	31	145	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	48	265	3
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	38	161	2
nonsynonymous_SNV	112	475	12
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	11	43	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	130	547	13
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	210	950	104
nonsynonymous_SNV	211	954	104
nonsynonymous_SNV	14	67	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	18	0
nonsynonymous_SNV	177	777	33
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	21	76	1
nonsynonymous_SNV	2	8	0

nonsynonymous_SNV	45	200	1
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	78	352	3
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	26	93	1
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	20	76	1
nonsynonymous_SNV	100	483	12
nonsynonymous_SNV	10	29	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	70	304	2
stopgain	6	36	0
nonsynonymous_SNV	69	268	3
nonsynonymous_SNV	6	1	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	43	220	3
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	52	204	0
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	7	28	1
nonsynonymous_SNV	69	292	1
nonsynonymous_SNV	22	92	1
nonsynonymous_SNV	68	292	1
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	28	139	0
nonsynonymous_SNV	66	268	1
nonsynonymous_SNV	88	350	2
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	78	379	6

nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	23	97	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	137	616	16
nonsynonymous_SNV	151	721	32
nonsynonymous_SNV	166	730	238
nonsynonymous_SNV	199	778	24
nonsynonymous_SNV	8	40	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	13	36	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	10	47	1
nonsynonymous_SNV	38	196	3
nonsynonymous_SNV	11	48	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	65	253	3
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	174	756	33
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	10	44	1
nonsynonymous_SNV	123	531	14
nonsynonymous_SNV	31	151	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	1	10	436
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	72	295	4
nonsynonymous_SNV	71	289	4
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	43	223	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	57	0
nonsynonymous_SNV	6	84	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	56	261	4
nonsynonymous_SNV	23	76	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	183	826	47
nonsynonymous_SNV	194	787	51

nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	6	33	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	32	126	1
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	71	304	7
nonsynonymous_SNV	100	501	331
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	14	101	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	22	125	1
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	6	43	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	151	748	27
nonsynonymous_SNV	13	15	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	4	0
stopgain	3	19	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	12	41	0
nonsynonymous_SNV	12	41	0
nonsynonymous_SNV	131	646	15
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	26	158	1
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	0	5	0

stopgain	3	6	0
nonsynonymous_SNV	206	909	66
nonsynonymous_SNV	12	47	0
nonsynonymous_SNV	187	958	85
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	13	63	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	199	897	65
nonsynonymous_SNV	34	144	1
nonsynonymous_SNV	94	420	4
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	19	63	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	149	637	26
nonsynonymous_SNV	18	78	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	11	27	0
nonsynonymous_SNV	221	950	82
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	76	311	4
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	80	363	7
nonsynonymous_SNV	78	353	7
nonsynonymous_SNV	38	154	0
nonsynonymous_SNV	113	504	13
nonsynonymous_SNV	145	600	18
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	19	87	0
nonsynonymous_SNV	47	189	0
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	6	45	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	118	517	13
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	118	522	14

nonsynonymous_SNV	33	113	2
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	52	279	3
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	12	63	0
nonsynonymous_SNV	32	146	0
nonsynonymous_SNV	2	4	435
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	20	83	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	22	122	0
nonsynonymous_SNV	12	67	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	202	864	62
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	48	172	0
nonsynonymous_SNV	186	799	42
nonsynonymous_SNV	32	179	1
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	11	36	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	182	870	62
nonsynonymous_SNV	0	4	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	54	200	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	10	57	0
nonsynonymous_SNV	115	556	21
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	12	0

nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	6	42	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	194	914	58
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	9	46	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	20	82	0
nonsynonymous_SNV	9	69	0
nonsynonymous_SNV	5	27	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	39	156	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	34	144	0
nonsynonymous_SNV	185	898	181
nonsynonymous_SNV	31	130	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	10	59	0
nonsynonymous_SNV	57	171	1
nonsynonymous_SNV	184	805	30
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	190	887	69
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	9	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	7	56	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	157	772	31
nonsynonymous_SNV	7	57	0
nonsynonymous_SNV	7	57	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	9	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	146	718	26
nonsynonymous_SNV	30	139	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	193	939	180
nonsynonymous_SNV	129	637	20
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	206	948	80
nonsynonymous_SNV	11	67	1
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	61	284	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	186	944	67
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	20	81	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	100	465	8

nonsynonymous_SNV	112	547	12
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	108	539	13
nonsynonymous_SNV	93	445	8
nonsynonymous_SNV	109	555	18
nonsynonymous_SNV	194	854	69
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	10	0
stopgain	0	11	0
nonsynonymous_SNV	15	87	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	7	1
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	57	214	1
nonsynonymous_SNV	47	180	3
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	214	949	83
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	32	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	14	60	0
nonsynonymous_SNV	30	134	407
nonsynonymous_SNV	13	59	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	41	0
nonsynonymous_SNV	7	13	0

nonsynonymous_SNV	202	883	166
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	13	76	1
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	37	146	0
nonframeshift_deletion	1	14	0
nonsynonymous_SNV	6	41	0
nonsynonymous_SNV	12	57	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	5	0
stopgain	18	117	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	14	0
frameshift_deletion	1	9	0
nonsynonymous_SNV	1	4	0
stopgain	1	12	0
nonsynonymous_SNV	62	265	2
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	124	558	12
nonsynonymous_SNV	76	376	4
splicing	15	52	0
nonsynonymous_SNV	4	26	0
stopgain	0	13	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	19	73	1
nonsynonymous_SNV	8	12	0
nonsynonymous_SNV	63	258	2
nonsynonymous_SNV	78	286	6
nonsynonymous_SNV	4	7	0
stopgain	0	11	0
nonsynonymous_SNV	79	288	6
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	29	138	2

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	3	8	0
nonframeshift_deletion	1	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	19	49	1
nonsynonymous_SNV	94	322	3
frameshift_insertion	15	64	1
nonsynonymous_SNV	11	49	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	6	34	0
nonframeshift_deletion	3	19	0
nonframeshift_insertion	3	15	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	4	21	0
nonframeshift_deletion	36	154	1
nonsynonymous_SNV	149	650	272
nonsynonymous_SNV	34	158	3
nonsynonymous_SNV	190	841	42
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	13	74	0
nonsynonymous_SNV	10	46	0

nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	46	198	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	11	59	0
nonsynonymous_SNV	80	290	3
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	33	126	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	37	115	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	161	688	35
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	9	35	0
nonsynonymous_SNV	213	830	187
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	62	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	12	30	0
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	25	113	0
nonsynonymous_SNV	7	9	0
nonsynonymous_SNV	159	739	34
nonsynonymous_SNV	4	31	0
splicing	87	392	6
splicing	1	4	0
nonsynonymous_SNV	111	472	15
nonsynonymous_SNV	30	150	1
nonsynonymous_SNV	126	603	17
nonsynonymous_SNV	7	18	430
nonsynonymous_SNV	22	106	415
nonsynonymous_SNV	22	107	415
nonsynonymous_SNV	102	462	7
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	24	135	412
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	10	0

nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	99	381	8
nonsynonymous_SNV	9	76	0
nonsynonymous_SNV	115	468	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	41	168	0
nonsynonymous_SNV	192	844	193
nonsynonymous_SNV	27	123	0
nonsynonymous_SNV	148	537	14
nonsynonymous_SNV	23	107	0
frameshift_deletion	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	18	61	419
nonsynonymous_SNV	166	789	36
nonsynonymous_SNV	22	72	0
nonsynonymous_SNV	28	112	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	52	204	4
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	30	120	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	49	176	388
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	45	152	0
frameshift_deletion	0	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	6	39	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	222	964	113
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	169	754	39
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	29	131	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	45	148	1
nonsynonymous_SNV	162	737	31

nonsynonymous_SNV	108	462	5
nonsynonymous_SNV	158	708	23
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	149	651	19
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	23	79	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	45	195	2
nonsynonymous_SNV	6	43	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	73	342	5
nonsynonymous_SNV	119	514	10
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	36	169	2
nonsynonymous_SNV	114	524	308
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	68	300	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	21	102	0
nonsynonymous_SNV	119	585	18
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	81	358	5
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	209	975	142
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	8	0
frameshift_insertion	1	13	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	19	71	0
nonsynonymous_SNV	11	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	172	819	219
nonsynonymous_SNV	15	56	0

nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	114	583	305
nonsynonymous_SNV	23	98	1
nonsynonymous_SNV	202	870	43
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	70	369	5
nonsynonymous_SNV	182	818	214
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	99	356	8
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	182	870	51
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	15	48	0
nonsynonymous_SNV	31	103	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	21	82	0
nonsynonymous_SNV	58	239	2
nonsynonymous_SNV	21	116	1
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	16	55	2
nonsynonymous_SNV	1	4	0
frameshift_insertion	2	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	54	225	2
stopgain	3	19	0
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	59	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	5	28	0

nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	22	93	2
nonsynonymous_SNV	204	959	79
nonsynonymous_SNV	53	225	2
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	42	196	1
stopgain	6	13	0
nonsynonymous_SNV	26	115	0
stopgain	3	18	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	34	141	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	72	332	6
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	56	245	2
nonsynonymous_SNV	21	82	0
nonsynonymous_SNV	35	154	0
nonframeshift_insertion	1	9	0
nonsynonymous_SNV	3	27	0
nonframeshift_deletion	1	11	0
nonsynonymous_SNV	11	29	0
nonsynonymous_SNV	74	397	3
nonsynonymous_SNV	35	158	0
nonsynonymous_SNV	35	158	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	35	152	0
nonsynonymous_SNV	23	90	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	32	154	0
nonsynonymous_SNV	23	64	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	48	189	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	32	175	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	10	33	0
nonsynonymous_SNV	12	50	0

nonframeshift_deletion	6	27	0
nonsynonymous_SNV	220	960	112
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	36	149	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	26	100	1
nonsynonymous_SNV	6	18	0
frameshift_deletion	2	11	0
nonframeshift_deletion	8	32	0
splicing	2	3	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	36	148	1
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	34	147	1
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	121	517	18
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	25	108	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	83	412	14
nonsynonymous_SNV	39	165	1
nonsynonymous_SNV	0	0	437
stopgain	0	9	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	216	942	140
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	11	61	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	14	54	0
nonsynonymous_SNV	66	277	4
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	11	0

nonsynonymous_SNV	217	943	66
nonsynonymous_SNV	182	773	30
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	22	102	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	29	150	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	122	579	9
nonsynonymous_SNV	33	155	1
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	9	29	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	14	35	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	47	1
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	12	48	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	6	17	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	9	62	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	55	221	382
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	206	953	108
stopgain	93	399	8
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	32	0
nonsynonymous_SNV	2	10	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonframeshift_deletion	1	4	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	10	27	0
nonsynonymous_SNV	53	201	1
nonsynonymous_SNV	3	13	1
frameshift_insertion	2	5	0
nonsynonymous_SNV	127	525	12
nonsynonymous_SNV	43	150	393
nonsynonymous_SNV	97	430	8
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	94	450	5
nonsynonymous_SNV	203	811	189
nonsynonymous_SNV	178	785	213
nonsynonymous_SNV	9	54	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	89	505	12
nonsynonymous_SNV	150	811	36
nonsynonymous_SNV	8	70	0
nonsynonymous_SNV	88	443	11

nonsynonymous_SNV	17	62	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	145	624	15
nonsynonymous_SNV	2	17	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	3	0
nonframeshift_deletion	177	872	67
nonframeshift_deletion	14	73	0
frameshift_deletion	14	72	0
nonsynonymous_SNV	186	957	132
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	32	107	1
nonsynonymous_SNV	49	244	3
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	35	116	1
nonsynonymous_SNV	16	72	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	27	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	12	25	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	214	910	80
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	128	537	16
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	57	299	3
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	27	145	0
nonsynonymous_SNV	14	53	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	17	78	0
nonsynonymous_SNV	2	5	0

nonsynonymous_SNV	9	34	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	7	46	0
nonsynonymous_SNV	9	44	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	35	188	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	209	946	82
nonsynonymous_SNV	212	881	178
nonsynonymous_SNV	12	66	0
frameshift_deletion	6	16	0
nonsynonymous_SNV	24	64	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	16	90	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	10	24	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	115	538	302
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	27	118	3
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	38	205	2
nonsynonymous_SNV	131	560	21
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	17	94	0
nonsynonymous_SNV	43	193	1
nonsynonymous_SNV	132	686	29

nonsynonymous_SNV	34	169	3
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	6	0
nonframeshift_deletion	2	24	0
nonsynonymous_SNV	18	76	0
nonsynonymous_SNV	19	80	0
nonsynonymous_SNV	3	14	1
nonsynonymous_SNV	68	315	366
nonsynonymous_SNV	10	36	0
nonsynonymous_SNV	179	774	33
nonsynonymous_SNV	14	74	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	18	107	1
frameshift_insertion	7	18	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	107	467	8
nonsynonymous_SNV	207	969	114
nonsynonymous_SNV	97	459	11
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	183	966	70
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	193	929	69
nonsynonymous_SNV	8	46	0
nonsynonymous_SNV	164	697	28
nonsynonymous_SNV	0	5	0
stopgain	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	49	223	5
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	14	68	0
nonsynonymous_SNV	54	270	3
nonsynonymous_SNV	229	930	144
nonsynonymous_SNV	9	48	0
nonsynonymous_SNV	9	24	0
nonsynonymous_SNV	51	199	2
nonsynonymous_SNV	28	80	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	18	1
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	146	671	20
nonsynonymous_SNV	25	108	0
nonsynonymous_SNV	10	27	0
nonsynonymous_SNV	144	675	271
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	47	287	0
nonsynonymous_SNV	5	10	1
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	49	309	0
nonsynonymous_SNV	164	686	16
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	13	39	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	151	657	31
nonsynonymous_SNV	26	143	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	110	560	10
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	113	557	11
nonsynonymous_SNV	10	40	0
nonsynonymous_SNV	135	631	287
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	207	942	89
nonsynonymous_SNV	207	926	93
nonsynonymous_SNV	30	97	0
frameshift_deletion	202	920	80
nonsynonymous_SNV	114	518	315
stopgain	204	850	73
nonsynonymous_SNV	137	646	24
nonsynonymous_SNV	162	772	34
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	195	863	65
nonsynonymous_SNV	203	912	175
nonsynonymous_SNV	159	773	34
nonsynonymous_SNV	199	905	178
nonsynonymous_SNV	196	906	180

nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	222	929	83
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	160	680	21
nonsynonymous_SNV	3	37	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	14	43	0
nonsynonymous_SNV	34	126	0
nonsynonymous_SNV	28	165	0
nonsynonymous_SNV	56	264	3
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	12	30	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	8	1
nonsynonymous_SNV	5	10	0
nonframeshift_deletion	3	24	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	16	64	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	12	70	0
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	5	44	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	27	105	2
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	8	18	0
nonsynonymous_SNV	92	343	5
nonsynonymous_SNV	17	104	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	13	29	0
nonsynonymous_SNV	172	780	38
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	16	91	0
nonsynonymous_SNV	31	98	1
nonsynonymous_SNV	215	956	68
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	65	307	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	190	883	50
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	21	61	0
nonsynonymous_SNV	186	851	41
nonsynonymous_SNV	157	682	35
nonsynonymous_SNV	185	849	41
nonsynonymous_SNV	48	189	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	29	1
nonsynonymous_SNV	204	920	57
nonsynonymous_SNV	7	17	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	21	63	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	21	70	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	196	823	29
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	57	281	2
nonsynonymous_SNV	161	663	21
nonsynonymous_SNV	56	266	2
nonsynonymous_SNV	201	837	55
nonsynonymous_SNV	12	44	0
nonsynonymous_SNV	5	29	1
nonsynonymous_SNV	9	51	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	158	827	38
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	26	1

nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	65	232	1
nonsynonymous_SNV	9	44	0
splicing	7	31	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	17	86	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	2	30	0
nonsynonymous_SNV	21	86	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	213	979	85
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	43	199	0
nonsynonymous_SNV	202	899	65
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	3	5	0
frameshift_deletion	1	13	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	51	186	1
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	23	82	0
nonframeshift_deletion	1	9	0

frameshift_deletion	1	9	0
frameshift_deletion	1	9	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	23	106	1
nonsynonymous_SNV	94	435	10
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	19	105	0
nonsynonymous_SNV	216	851	39
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	87	383	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	16	62	2
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	13	34	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	51	217	4
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	48	221	3
nonsynonymous_SNV	4	13	1
nonsynonymous_SNV	180	898	62
nonsynonymous_SNV	4	39	0
nonsynonymous_SNV	67	296	3
nonsynonymous_SNV	0	7	0

nonframeshift_deletion	0	18	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	178	909	68
nonsynonymous_SNV	6	42	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	189	917	66
nonsynonymous_SNV	1	6	0
nonframeshift_deletion	9	82	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	2	4	0
nonframeshift_deletion	2	44	0
nonsynonymous_SNV	0	6	0
frameshift_deletion	0	9	1
nonframeshift_deletion	0	9	1
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	205	815	186
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	90	387	10
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	213	835	56
nonsynonymous_SNV	106	440	6
frameshift_deletion	157	659	261
frameshift_insertion	106	432	6
splicing	1	7	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	148	558	21
nonsynonymous_SNV	106	441	6
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	6	4	0
nonsynonymous_SNV	172	836	38
nonsynonymous_SNV	11	35	0
nonsynonymous_SNV	9	14	0
nonsynonymous_SNV	6	4	0

nonsynonymous_SNV	173	857	43
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	171	825	40
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	5	0
nonframeshift_insertion	78	331	5
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	150	837	46
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	6	435
nonsynonymous_SNV	192	919	85
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	35	173	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	57	230	5
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	51	262	3
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	3	27	1
nonsynonymous_SNV	5	42	1
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	64	332	4
nonsynonymous_SNV	9	23	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	51	241	6
nonsynonymous_SNV	0	7	0

stopgain	21	114	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	91	371	343
nonsynonymous_SNV	25	126	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	4	0
nonsynonymous_SNV	14	38	2
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	21	120	0
nonsynonymous_SNV	14	39	2
nonsynonymous_SNV	88	366	345
nonsynonymous_SNV	88	366	345
nonsynonymous_SNV	25	126	0
nonsynonymous_SNV	22	121	0
nonsynonymous_SNV	11	31	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	15	77	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	131	571	24
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	42	197	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	143	653	17
nonsynonymous_SNV	5	9	1
nonsynonymous_SNV	5	9	1
nonsynonymous_SNV	23	50	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	9	25	0
nonsynonymous_SNV	15	68	1
nonsynonymous_SNV	21	111	0
nonsynonymous_SNV	9	23	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	166	853	36
nonsynonymous_SNV	10	33	0
nonsynonymous_SNV	2	16	0

nonsynonymous_SNV	57	279	4
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	58	275	4
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	161	834	51
nonsynonymous_SNV	27	130	0
nonsynonymous_SNV	55	275	4
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	185	946	69
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	2	10	0
frameshift_insertion	3	12	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	117	416	12
nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	58	318	6
nonsynonymous_SNV	47	241	4
nonsynonymous_SNV	7	42	1
nonsynonymous_SNV	10	51	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	44	191	1
nonsynonymous_SNV	96	446	7
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	182	835	211
nonsynonymous_SNV	52	233	1
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	6	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	44	184	3
nonsynonymous_SNV	70	361	2
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	218	970	153
nonsynonymous_SNV	109	540	320
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	119	555	21
nonsynonymous_SNV	168	780	26
nonsynonymous_SNV	218	968	152
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	109	540	320
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	11	64	1
nonsynonymous_SNV	29	115	0
nonsynonymous_SNV	162	596	18
nonsynonymous_SNV	169	790	28
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	11	65	1
nonsynonymous_SNV	11	65	1
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	58	218	2
nonsynonymous_SNV	18	73	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	56	290	5
nonsynonymous_SNV	23	97	0
nonsynonymous_SNV	165	777	230
nonsynonymous_SNV	167	731	240
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	14	36	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	174	775	241
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	4	433
nonsynonymous_SNV	4	4	433
nonsynonymous_SNV	97	470	9
nonsynonymous_SNV	9	4	0
nonsynonymous_SNV	19	78	0
nonsynonymous_SNV	34	133	0
nonsynonymous_SNV	94	524	14
nonsynonymous_SNV	212	924	138
nonsynonymous_SNV	2	9	0
nonframeshift_insertion	21	70	0
nonsynonymous_SNV	33	142	1
nonsynonymous_SNV	166	751	38
nonframeshift_deletion	133	636	19

nonframeshift_deletion	1	9	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	170	769	42
nonsynonymous_SNV	55	280	3
nonsynonymous_SNV	5	37	0
nonsynonymous_SNV	134	667	24
nonsynonymous_SNV	129	631	22
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	119	558	17
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	209	825	173
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	20	129	2
nonsynonymous_SNV	185	815	205
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	197	826	49
nonsynonymous_SNV	172	842	53
nonsynonymous_SNV	94	343	1
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	207	963	95
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	91	367	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	10	55	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	13	39	0
nonsynonymous_SNV	115	496	9
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	14	63	0
nonsynonymous_SNV	65	318	1
nonsynonymous_SNV	186	743	37
nonsynonymous_SNV	46	176	3
nonsynonymous_SNV	207	900	60
nonsynonymous_SNV	164	817	46
nonsynonymous_SNV	199	863	55
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	80	405	8
nonsynonymous_SNV	198	943	89
nonsynonymous_SNV	198	945	95
nonsynonymous_SNV	2	22	0

nonsynonymous_SNV	7	52	0
nonsynonymous_SNV	69	296	3
nonsynonymous_SNV	96	359	2
nonsynonymous_SNV	183	824	40
nonsynonymous_SNV	67	228	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	202	902	62
nonsynonymous_SNV	163	727	30
nonsynonymous_SNV	71	250	3
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	76	303	2
nonsynonymous_SNV	215	987	102
nonsynonymous_SNV	207	983	125
nonsynonymous_SNV	2	5	0
frameshift_deletion	5	8	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	18	49	0
nonsynonymous_SNV	1	8	0
nonframeshift_insertion	0	5	0
nonsynonymous_SNV	138	570	16
nonsynonymous_SNV	229	920	82
nonsynonymous_SNV	139	570	15
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	206	925	69
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	193	894	84
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	196	849	61
nonsynonymous_SNV	26	132	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	80	328	3
stopgain	0	6	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	173	708	30
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	6	36	0
nonsynonymous_SNV	2	3	0
frameshift_deletion	185	798	218
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	7	31	0
nonsynonymous_SNV	12	58	0
nonsynonymous_SNV	192	900	42
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	155	665	20
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	197	916	46
nonsynonymous_SNV	44	199	1
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	176	779	228
nonsynonymous_SNV	130	602	294
nonsynonymous_SNV	17	100	1
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	222	932	79
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	16	99	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	50	217	2
nonsynonymous_SNV	106	470	10
nonsynonymous_SNV	214	894	56
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	10	65	1
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	7	0
stopgain	6	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	84	393	11

nonsynonymous_SNV	207	906	44
nonsynonymous_SNV	1	10	0
nonframeshift_insertion	0	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	49	164	1
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	14	49	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	10	50	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	15	86	2
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	21	111	0
nonsynonymous_SNV	14	38	0
nonsynonymous_SNV	1	5	0
stopgain	202	914	73
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	155	678	250
nonsynonymous_SNV	181	729	37
nonsynonymous_SNV	18	77	0
nonsynonymous_SNV	17	77	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	54	0
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	137	710	29
nonframeshift_insertion	9	34	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	215	959	84
nonsynonymous_SNV	13	30	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	66	329	7
nonsynonymous_SNV	11	29	0
nonsynonymous_SNV	61	257	2
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	207	973	118
nonsynonymous_SNV	103	457	8
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	8	64	0
nonsynonymous_SNV	199	929	67
nonsynonymous_SNV	186	913	63
nonsynonymous_SNV	62	250	4
nonsynonymous_SNV	15	65	0
nonsynonymous_SNV	7	26	0
frameshift_insertion	2	3	0
stopgain	95	447	11
stopgain	3	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	65	280	8
frameshift_deletion	2	9	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	175	784	231
nonsynonymous_SNV	212	958	152
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	61	265	2
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	130	564	295
nonsynonymous_SNV	93	433	8
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	1	9	0

nonsynonymous_SNV	124	500	6
nonsynonymous_SNV	204	856	193
nonsynonymous_SNV	17	43	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	49	224	3
nonsynonymous_SNV	82	378	7
nonsynonymous_SNV	190	963	153
nonsynonymous_SNV	48	224	3
nonsynonymous_SNV	193	934	185
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	11	36	0
nonsynonymous_SNV	42	201	0
nonsynonymous_SNV	8	40	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	150	751	32
nonsynonymous_SNV	18	79	0
nonsynonymous_SNV	22	71	0
nonsynonymous_SNV	65	229	2
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	60	258	4
nonsynonymous_SNV	48	188	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	44	184	2
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	44	185	2
nonsynonymous_SNV	198	886	72
nonsynonymous_SNV	44	180	2
nonsynonymous_SNV	5	49	0
nonsynonymous_SNV	43	175	2
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	209	942	92
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	16	70	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	1	26	0
nonsynonymous_SNV	7	70	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	11	50	0
nonsynonymous_SNV	87	373	5
nonsynonymous_SNV	213	914	138
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	6	52	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	216	914	138
nonsynonymous_SNV	8	22	0
nonsynonymous_SNV	220	918	121
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	27	97	1
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	13	38	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	136	623	18
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	99	442	10
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	141	595	19
nonsynonymous_SNV	137	594	18
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	221	930	133
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	11	46	1
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	19	102	0
nonsynonymous_SNV	23	106	0
nonsynonymous_SNV	211	846	61

nonsynonymous_SNV	179	768	36
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	213	903	164
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	2	29	0
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	32	171	0
nonsynonymous_SNV	25	119	0
nonsynonymous_SNV	103	467	9
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	74	304	6
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	35	178	400
nonsynonymous_SNV	114	477	308
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	53	244	3
nonsynonymous_SNV	131	560	16
nonsynonymous_SNV	200	902	170
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	31	134	0
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	186	864	58
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	93	413	7
nonsynonymous_SNV	97	441	6
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	87	384	10

nonframeshift_deletion	0	8	0
frameshift_deletion	1	8	0
nonframeshift_deletion	1	8	0
frameshift_deletion	1	8	0
frameshift_deletion	1	8	0
frameshift_deletion	1	8	0
nonsynonymous_SNV	115	527	16
nonsynonymous_SNV	55	182	1
nonsynonymous_SNV	34	189	2
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	115	527	16
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	56	262	5
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	143	718	265
nonsynonymous_SNV	100	414	3
nonsynonymous_SNV	1	4	0
frameshift_insertion	2	11	0
nonsynonymous_SNV	152	621	15
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	13	56	0
frameshift_insertion	4	16	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	27	107	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	30	99	0
nonsynonymous_SNV	30	99	0
nonsynonymous_SNV	63	304	3
nonsynonymous_SNV	24	149	1
nonsynonymous_SNV	22	96	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	29	119	0
nonsynonymous_SNV	19	97	0

nonsynonymous_SNV	14	48	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	151	645	20
nonsynonymous_SNV	82	385	3
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	9	20	0
nonsynonymous_SNV	28	87	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	30	119	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	88	425	9
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	3	9	0
stopgain	0	5	0
nonsynonymous_SNV	205	994	111
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	13	39	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	23	92	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	76	357	5
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	76	1
nonsynonymous_SNV	91	351	336
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	7	17	0
nonsynonymous_SNV	14	91	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	91	425	331
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	34	146	401
nonsynonymous_SNV	4	11	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	14	62	0
nonsynonymous_SNV	2	29	0
nonsynonymous_SNV	140	608	279
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	16	73	1
nonsynonymous_SNV	205	927	111
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	61	253	1
nonsynonymous_SNV	148	683	264
nonsynonymous_SNV	2	30	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	44	220	1
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	207	966	117
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	203	914	177
nonsynonymous_SNV	180	755	36
nonsynonymous_SNV	95	394	5
nonsynonymous_SNV	196	910	176
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	13	42	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	23	83	0
nonsynonymous_SNV	19	81	2
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	10	35	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	4	8	0
frameshift_deletion	3	18	0
nonframeshift_deletion	3	18	0
nonsynonymous_SNV	3	18	0
nonframeshift_deletion	3	18	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	6	12	0

nonsynonymous_SNV	122	632	27
nonsynonymous_SNV	121	583	27
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	10	32	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	174	715	235
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	21	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	17	49	0
nonsynonymous_SNV	77	347	5
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	10	23	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	193	822	32
nonsynonymous_SNV	59	274	1
nonsynonymous_SNV	19	61	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	12	64	0
nonsynonymous_SNV	18	72	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	121	503	8
nonsynonymous_SNV	16	51	1
nonsynonymous_SNV	87	360	6
nonsynonymous_SNV	191	860	178
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	13	33	0
nonframeshift_deletion	0	17	0
nonsynonymous_SNV	15	82	1
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	47	193	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	211	924	75
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	207	905	75

nonsynonymous_SNV	29	189	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	15	70	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	15	72	0
nonsynonymous_SNV	7	24	1
nonsynonymous_SNV	14	68	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	225	909	82
nonsynonymous_SNV	5	44	0
nonsynonymous_SNV	5	36	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	28	144	1
nonsynonymous_SNV	25	119	0
nonsynonymous_SNV	14	62	0
nonsynonymous_SNV	18	46	0
nonsynonymous_SNV	71	333	4
nonsynonymous_SNV	150	688	25
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	105	475	8
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	196	839	49
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	130	614	14
nonsynonymous_SNV	15	44	0
nonframeshift_deletion	0	6	0
nonsynonymous_SNV	17	70	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	9	50	0
nonsynonymous_SNV	1	10	0

nonsynonymous_SNV	34	144	0
nonsynonymous_SNV	168	812	40
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	201	927	123
nonsynonymous_SNV	9	44	1
nonsynonymous_SNV	82	330	4
splicing	0	0	437
nonsynonymous_SNV	63	248	3
nonsynonymous_SNV	84	458	6
nonsynonymous_SNV	155	720	26
nonsynonymous_SNV	35	158	1
nonsynonymous_SNV	28	158	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	183	922	67
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	221	884	68
nonsynonymous_SNV	221	896	68
nonframeshift_deletion	33	148	1
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	94	443	4
nonsynonymous_SNV	49	141	1
nonsynonymous_SNV	11	30	0
nonsynonymous_SNV	182	769	42
nonsynonymous_SNV	78	370	6
nonsynonymous_SNV	19	90	2
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	10	22	0
nonsynonymous_SNV	5	16	0
frameshift_insertion	4	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
splicing	63	245	2
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	1	8	0

nonsynonymous_SNV	42	177	1
nonsynonymous_SNV	2	26	0
nonsynonymous_SNV	177	758	214
nonsynonymous_SNV	217	954	79
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	183	822	60
nonsynonymous_SNV	187	804	53
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	8	1
nonsynonymous_SNV	7	21	0
nonframeshift_deletion	1	15	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	7	57	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	192	851	61
nonsynonymous_SNV	5	10	1
nonsynonymous_SNV	6	39	1
nonsynonymous_SNV	4	35	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	4	7	1
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	169	824	58
nonsynonymous_SNV	6	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	21	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	100	367	8
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	2	16	0

nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	212	921	61
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	4	7	1
nonsynonymous_SNV	153	728	252
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	14	91	0
nonsynonymous_SNV	3	4	0
nonframeshift_deletion	7	20	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	17	56	0
nonsynonymous_SNV	9	20	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	8	16	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	11	57	0
nonsynonymous_SNV	189	810	37
nonsynonymous_SNV	9	25	0
nonsynonymous_SNV	188	860	200
nonsynonymous_SNV	156	732	31
nonsynonymous_SNV	181	812	42
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	13	35	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	6	16	0
nonframeshift_insertion	199	935	150
nonsynonymous_SNV	6	49	1
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	26	90	0
nonsynonymous_SNV	26	73	1
nonsynonymous_SNV	13	48	0
nonsynonymous_SNV	13	37	424
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	137	586	277
nonsynonymous_SNV	0	7	0
nonframeshift_insertion	10	26	1
nonsynonymous_SNV	3	4	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	13	39	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	12	48	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	196	820	190
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	19	107	415
nonsynonymous_SNV	16	105	0
nonsynonymous_SNV	206	847	58
nonsynonymous_SNV	206	845	58
nonsynonymous_SNV	3	20	1
nonsynonymous_SNV	201	933	157
frameshift_deletion	1	4	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	6	6	0
nonsynonymous_SNV	4	13	0
frameshift_insertion	2	27	0
nonsynonymous_SNV	86	413	4
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	22	82	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	147	648	15
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	18	62	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	156	651	261
frameshift_deletion	1	5	0
nonsynonymous_SNV	197	974	99
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	1	14	0
splicing	0	0	437
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	77	285	3
nonsynonymous_SNV	178	820	40
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	8	0
splicing	2	4	0
nonsynonymous_SNV	14	47	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	5	0
stopgain	2	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	15	57	0
nonsynonymous_SNV	94	432	10
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	8	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	105	404	8
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	182	751	28
nonsynonymous_SNV	5	41	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	25	117	0

nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	14	72	0
nonsynonymous_SNV	0	7	0
frameshift_deletion	8	40	0
nonsynonymous_SNV	2	39	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	17	100	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	189	897	41
nonsynonymous_SNV	18	92	0
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	19	109	0
splicing	9	26	1
nonsynonymous_SNV	223	977	108
nonsynonymous_SNV	23	117	412
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	29	67	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	13	73	0
nonsynonymous_SNV	15	49	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	114	576	15
nonsynonymous_SNV	96	411	7
nonsynonymous_SNV	93	400	4
nonsynonymous_SNV	184	863	60
nonsynonymous_SNV	93	398	4
nonframeshift_deletion	93	398	4

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	14	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	93	397	4
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	88	434	8
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	92	415	339
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	237	957	77
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	102	519	11
nonsynonymous_SNV	47	215	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	14	64	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	19	81	1
nonsynonymous_SNV	121	515	12
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	74	272	5
nonsynonymous_SNV	46	241	3
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	40	130	0
nonsynonymous_SNV	37	131	0
nonsynonymous_SNV	24	112	0
nonsynonymous_SNV	3	6	0
stoploss	3	18	0

nonsynonymous_SNV	1	7	0
splicing	10	18	0
nonsynonymous_SNV	149	647	22
nonsynonymous_SNV	212	961	145
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	19	65	417
nonsynonymous_SNV	89	325	5
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	199	842	205
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	181	780	232
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	40	136	0
nonsynonymous_SNV	9	48	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	11	42	0
nonsynonymous_SNV	21	75	0
nonsynonymous_SNV	211	951	91
nonsynonymous_SNV	39	192	0
nonsynonymous_SNV	26	116	0
nonsynonymous_SNV	16	45	0
nonsynonymous_SNV	29	118	408
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	213	948	126
nonsynonymous_SNV	125	528	20
nonsynonymous_SNV	0	20	0
nonsynonymous_SNV	202	943	117
nonsynonymous_SNV	34	138	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	177	851	218
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	115	466	14
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	7	0
frameshift_deletion	7	20	0
nonsynonymous_SNV	42	200	1

nonsynonymous_SNV	11	93	1
nonsynonymous_SNV	26	134	0
nonsynonymous_SNV	15	93	0
nonsynonymous_SNV	184	908	135
nonsynonymous_SNV	184	911	133
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	122	558	10
nonsynonymous_SNV	54	197	1
nonsynonymous_SNV	18	92	0
nonsynonymous_SNV	30	121	1
nonsynonymous_SNV	123	496	10
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	121	560	13
nonsynonymous_SNV	0	5	0
nonframeshift_insertion	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	108	456	5
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	4	27	0
stopgain	1	5	0
nonsynonymous_SNV	21	95	0
nonsynonymous_SNV	120	505	7
nonsynonymous_SNV	22	89	0
nonsynonymous_SNV	40	211	2
nonsynonymous_SNV	128	602	297
nonsynonymous_SNV	19	48	0
nonsynonymous_SNV	208	924	79
splicing	1	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	42	154	1
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	44	157	1
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	13	47	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	38	149	1
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	136	603	17
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	20	54	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	143	557	17
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	114	567	17
nonsynonymous_SNV	6	59	0
nonsynonymous_SNV	154	603	260
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	55	200	0
nonsynonymous_SNV	7	11	0
nonsynonymous_SNV	17	122	3
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	3	31	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	6	65	1
nonsynonymous_SNV	15	50	0
nonsynonymous_SNV	57	203	1
nonsynonymous_SNV	55	192	0
nonsynonymous_SNV	12	20	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	39	186	3
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	13	60	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	31	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	41	153	2
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	38	145	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	158	653	17
nonsynonymous_SNV	84	335	7
nonsynonymous_SNV	4	22	0

nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	45	252	4
nonsynonymous_SNV	31	179	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	22	138	0
nonsynonymous_SNV	54	266	382
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	113	459	12
nonsynonymous_SNV	140	605	22
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	111	467	12
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	17	108	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	145	671	20
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	206	859	188
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	30	115	1
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	4	42	0
nonsynonymous_SNV	237	979	98
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	220	990	85
nonsynonymous_SNV	234	988	96
nonsynonymous_SNV	4	38	0

nonsynonymous_SNV	34	133	1
splicing	223	988	84
nonsynonymous_SNV	217	973	81
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	201	995	95
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	38	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	14	71	1
nonsynonymous_SNV	73	374	5
nonsynonymous_SNV	16	78	1
nonsynonymous_SNV	16	78	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	9	33	0
nonsynonymous_SNV	16	59	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	160	741	25
nonsynonymous_SNV	31	153	1
nonsynonymous_SNV	214	967	85
nonsynonymous_SNV	211	959	81
frameshift_deletion	209	956	82
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	96	423	7
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	32	115	1
nonsynonymous_SNV	217	962	141
nonsynonymous_SNV	109	599	10
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	212	951	93
nonsynonymous_SNV	165	737	29
nonsynonymous_SNV	127	565	19
nonsynonymous_SNV	145	596	12
nonsynonymous_SNV	23	58	1
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	0	11	437
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	123	512	15
nonsynonymous_SNV	154	643	14
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	67	282	4
nonsynonymous_SNV	129	525	13
nonsynonymous_SNV	11	40	0
nonsynonymous_SNV	94	442	8
nonsynonymous_SNV	114	438	10
nonsynonymous_SNV	162	688	20
nonsynonymous_SNV	180	779	39
nonsynonymous_SNV	180	785	39
nonsynonymous_SNV	220	975	127
nonsynonymous_SNV	180	786	39
nonsynonymous_SNV	179	785	39
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	180	785	39
nonsynonymous_SNV	83	345	3
nonsynonymous_SNV	180	785	39
nonsynonymous_SNV	72	294	4
frameshift_deletion	63	249	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	168	785	38
frameshift_insertion	195	849	176
nonsynonymous_SNV	16	50	0
nonsynonymous_SNV	172	715	226
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	56	243	376
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	114	576	26
nonsynonymous_SNV	51	213	2
nonsynonymous_SNV	114	576	26
nonsynonymous_SNV	156	748	37
nonsynonymous_SNV	56	267	4
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	169	820	48
nonsynonymous_SNV	155	747	40
nonsynonymous_SNV	55	268	5
nonsynonymous_SNV	114	567	26

nonframeshift_deletion	115	568	27
frameshift_deletion	115	566	27
frameshift_deletion	115	566	27
frameshift_deletion	115	566	27
frameshift_deletion	116	566	27
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	44	220	0
nonsynonymous_SNV	125	544	23
nonsynonymous_SNV	195	925	113
nonsynonymous_SNV	195	926	113
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	194	922	113
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	40	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	167	799	35
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	180	832	42
nonsynonymous_SNV	215	971	122
nonsynonymous_SNV	121	540	23
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	153	640	18
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	9	16	428
nonsynonymous_SNV	81	350	352
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	191	883	181
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	89	388	344
nonsynonymous_SNV	13	55	0
nonsynonymous_SNV	13	56	0
nonsynonymous_SNV	149	669	22
nonsynonymous_SNV	214	892	88

nonsynonymous_SNV	112	598	313
nonsynonymous_SNV	8	52	0
nonsynonymous_SNV	32	180	1
nonsynonymous_SNV	196	852	39
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	35	139	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	158	700	261
nonsynonymous_SNV	158	700	261
nonsynonymous_SNV	8	40	1
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	71	372	3
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	13	95	1
nonsynonymous_SNV	126	511	18
nonsynonymous_SNV	56	223	4
nonsynonymous_SNV	41	165	2
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	41	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	6	46	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	222	941	112
nonsynonymous_SNV	1	5	0
frameshift_insertion	0	6	0
nonsynonymous_SNV	164	703	37
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	220	945	117
nonsynonymous_SNV	2	15	0
nonframeshift_insertion	7	30	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	22	85	1
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	12	32	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	87	281	6
nonsynonymous_SNV	10	45	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	24	56	0
frameshift_deletion	1	6	0
nonsynonymous_SNV	7	42	0
nonsynonymous_SNV	15	65	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	22	87	0
nonsynonymous_SNV	184	853	57
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	77	260	3
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	46	225	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	187	844	58
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	46	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	90	364	6
nonsynonymous_SNV	74	330	3

nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	18	103	0
nonsynonymous_SNV	130	564	12
nonsynonymous_SNV	18	64	1
nonsynonymous_SNV	11	56	1
nonsynonymous_SNV	14	70	0
nonsynonymous_SNV	224	845	172
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	161	739	249
nonsynonymous_SNV	175	794	45
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	101	416	328
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	56	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	3	30	0
nonframeshift_deletion	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	8	27	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	19	95	0
nonsynonymous_SNV	9	72	0
nonsynonymous_SNV	41	142	0
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	197	890	81
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	197	930	67
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	8	54	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	12	51	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	24	86	0
nonsynonymous_SNV	126	592	11
nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	14	45	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	198	907	49
nonsynonymous_SNV	21	73	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	12	82	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	12	29	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	50	266	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	5	0
frameshift_deletion	3	19	0
nonsynonymous_SNV	64	285	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	19	102	0
nonsynonymous_SNV	187	844	45
nonsynonymous_SNV	114	515	5
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	10	64	0
nonsynonymous_SNV	1	9	0
stopgain	9	42	0
frameshift_deletion	222	958	128
splicing	12	47	0
nonsynonymous_SNV	46	213	1
nonsynonymous_SNV	220	887	154
stopgain	8	70	0
stopgain	44	197	1
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	7	36	0

nonsynonymous_SNV	4	9	0
frameshift_insertion	1	5	0
nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	15	96	0
nonsynonymous_SNV	25	72	411
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	102	479	13
nonsynonymous_SNV	50	229	2
nonsynonymous_SNV	207	904	167
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	124	633	25
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	162	867	219
frameshift_insertion	0	8	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	34	115	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	180	722	29
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	31	108	2
frameshift_deletion	23	96	0
nonsynonymous_SNV	186	776	39
nonsynonymous_SNV	95	436	14
nonsynonymous_SNV	4	44	0
nonsynonymous_SNV	32	109	2
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	188	845	49
nonsynonymous_SNV	220	940	124
nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	46	200	1
nonsynonymous_SNV	205	940	141
nonsynonymous_SNV	5	40	0
nonsynonymous_SNV	96	335	3
nonsynonymous_SNV	13	44	0
nonsynonymous_SNV	40	189	1
nonsynonymous_SNV	34	205	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	12	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	2	5	0
frameshift_deletion	1	5	0
nonsynonymous_SNV	59	206	2
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	11	46	1
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	16	43	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	12	46	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	216	894	79
nonsynonymous_SNV	12	46	0
nonsynonymous_SNV	12	46	0
nonsynonymous_SNV	70	363	362
nonframeshift_insertion	217	919	93
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	154	712	27
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	203	872	184
nonsynonymous_SNV	203	872	184
nonsynonymous_SNV	22	114	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	118	549	11
nonsynonymous_SNV	161	760	242
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	21	147	0
nonsynonymous_SNV	211	935	143
nonsynonymous_SNV	16	67	0

nonsynonymous_SNV	30	168	1
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	200	923	109
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	202	918	48
nonsynonymous_SNV	17	67	0
nonsynonymous_SNV	176	786	30
nonsynonymous_SNV	161	719	250
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	9	48	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	55	215	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	1	5	0
nonframeshift_deletion	0	11	0
frameshift_deletion	0	11	0
nonsynonymous_SNV	15	47	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	28	96	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	13	51	1
nonsynonymous_SNV	46	205	3
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	122	529	301
nonsynonymous_SNV	114	502	312
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	143	748	25
nonsynonymous_SNV	161	782	243
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	7	30	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	91	484	16
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	76	410	7
nonsynonymous_SNV	93	355	8
nonsynonymous_SNV	17	112	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	17	51	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	188	943	88
nonsynonymous_SNV	127	567	14
nonsynonymous_SNV	83	366	6
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	124	542	14
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	173	681	18
nonsynonymous_SNV	89	382	3
nonsynonymous_SNV	108	467	7
nonsynonymous_SNV	9	44	0
nonsynonymous_SNV	20	113	1
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	2	7	0
frameshift_insertion	1	10	0
nonsynonymous_SNV	18	108	1
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	12	0
frameshift_deletion	0	6	0
frameshift_deletion	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	12	58	0
nonsynonymous_SNV	11	60	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	58	267	2

nonsynonymous_SNV	39	177	1
nonsynonymous_SNV	169	792	36
nonsynonymous_SNV	3	26	0
nonframeshift_insertion	49	219	3
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	58	265	1
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	59	272	1
nonsynonymous_SNV	95	407	4
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	56	233	2
nonsynonymous_SNV	43	190	1
nonsynonymous_SNV	16	102	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	105	400	8
nonsynonymous_SNV	222	866	50
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	16	87	0
nonsynonymous_SNV	139	639	17
nonsynonymous_SNV	0	6	437
nonsynonymous_SNV	10	23	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	212	882	61
nonsynonymous_SNV	155	607	24
nonsynonymous_SNV	213	896	61
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	110	376	5
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	132	638	17
nonsynonymous_SNV	128	647	291
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	212	900	163
nonsynonymous_SNV	128	649	18
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	41	181	1
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	5	36	0
nonframeshift_insertion	5	12	0
nonframeshift_insertion	3	6	1
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	4	21	0

nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	4	32	0
nonsynonymous_SNV	5	15	1
nonsynonymous_SNV	9	27	0
nonframeshift_deletion	1	10	0
frameshift_deletion	1	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonframeshift_deletion	0	6	0
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	206	918	91
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	55	292	5
nonsynonymous_SNV	2	4	0
frameshift_insertion	2	5	0
nonsynonymous_SNV	15	69	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	21	434
nonsynonymous_SNV	28	113	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	12	49	0
nonsynonymous_SNV	55	194	2
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	98	490	7
nonsynonymous_SNV	100	393	6
stopgain	134	514	8
nonsynonymous_SNV	126	489	8
nonsynonymous_SNV	226	946	150
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	27	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	4	0
stopgain	7	35	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	62	427
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	199	903	55
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	8	56	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	8	54	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	19	88	1
nonsynonymous_SNV	22	96	1
nonsynonymous_SNV	187	683	29
splicing	0	0	437
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	10	15	0
nonsynonymous_SNV	2	7	0
stoploss	6	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	24	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	17	70	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	10	45	0
nonsynonymous_SNV	3	4	0

nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	19	71	0
nonsynonymous_SNV	66	327	7
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	57	233	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	5	0
nonframeshift_deletion	2	4	0
frameshift_deletion	2	4	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	162	723	32
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	209	943	129
nonsynonymous_SNV	47	199	1
nonsynonymous_SNV	29	127	0
nonsynonymous_SNV	164	692	31
nonsynonymous_SNV	28	169	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	22	99	414
nonsynonymous_SNV	14	73	0
nonsynonymous_SNV	100	381	4
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	48	257	387
nonsynonymous_SNV	12	61	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	123	512	11

nonframeshift_deletion	3	3	0
nonframeshift_deletion	7	37	0
nonsynonymous_SNV	21	63	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	0	6	0
nonframeshift_insertion	16	67	1
nonframeshift_insertion	1	6	0
nonframeshift_insertion	104	522	12
nonsynonymous_SNV	176	781	224
stoploss	12	38	1
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	32	127	3
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	176	837	210
frameshift_deletion	2	24	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	85	399	7
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	222	969	99
nonsynonymous_SNV	21	84	0
nonsynonymous_SNV	31	135	1
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	144	671	262
nonsynonymous_SNV	169	813	45
nonsynonymous_SNV	11	64	0
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	1	4	0
stopgain	1	5	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	65	251	3
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	183	901	187
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	33	138	1
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	60	212	375
stopgain	1	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	12	54	1
nonsynonymous_SNV	197	917	180
nonsynonymous_SNV	55	175	3
nonsynonymous_SNV	55	174	3
nonsynonymous_SNV	186	834	215
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	5	17	0
frameshift_deletion	56	175	3
nonsynonymous_SNV	187	900	190
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	212	949	100
nonsynonymous_SNV	95	457	334
nonsynonymous_SNV	95	452	7
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	95	454	7
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	62	262	4
nonsynonymous_SNV	7	31	0
nonsynonymous_SNV	2	12	435
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	12	61	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	9	29	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	216	939	123
nonsynonymous_SNV	61	301	7
nonsynonymous_SNV	3	9	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	206	864	162
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	212	940	126

nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	208	937	133
nonsynonymous_SNV	207	938	133
nonsynonymous_SNV	43	195	0
nonsynonymous_SNV	213	939	125
frameshift_deletion	0	10	0
frameshift_deletion	24	52	0
frameshift_deletion	24	52	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	14	1
nonsynonymous_SNV	50	190	1
nonsynonymous_SNV	37	138	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	10	59	1
nonsynonymous_SNV	140	721	29
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	146	736	30
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	32	172	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	66	297	366
frameshift_deletion	4	15	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	86	356	4
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	93	458	6
nonsynonymous_SNV	219	988	90
nonsynonymous_SNV	107	473	6
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	27	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	9	53	0

nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	156	635	19
nonsynonymous_SNV	9	22	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	206	860	192
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	37	154	1
stopgain	135	533	8
nonsynonymous_SNV	229	947	73
nonsynonymous_SNV	231	946	66
nonsynonymous_SNV	13	61	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	124	556	302
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	131	556	295
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	170	822	36
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	29	137	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	206	859	170
nonsynonymous_SNV	11	36	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	167	721	233

nonsynonymous_SNV	206	803	180
nonsynonymous_SNV	134	499	294
nonsynonymous_SNV	6	60	0
nonsynonymous_SNV	6	76	1
stopgain	0	5	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	29	112	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	22	94	0
nonsynonymous_SNV	29	120	1
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	11	42	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	126	581	289
nonsynonymous_SNV	4	33	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	38	126	1
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	65	213	6
nonsynonymous_SNV	59	204	4
nonsynonymous_SNV	165	789	217
nonsynonymous_SNV	55	342	3
nonsynonymous_SNV	12	49	0
nonsynonymous_SNV	62	209	5
nonsynonymous_SNV	17	60	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	223	944	128
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	196	919	67
nonsynonymous_SNV	9	47	0

nonsynonymous_SNV	172	799	34
nonsynonymous_SNV	11	85	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	10	56	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	164	698	25
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	19	82	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	143	638	270
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	21	94	1
nonsynonymous_SNV	199	816	49
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	15	72	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	15	72	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	30	114	1
nonsynonymous_SNV	47	242	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	52	253	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	189	833	54
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	53	177	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	23	96	1
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	41	182	3
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	10	20	1
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	30	128	0
nonsynonymous_SNV	194	851	187
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	24	98	1
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	9	25	0
nonsynonymous_SNV	12	40	0
nonsynonymous_SNV	8	14	0
nonsynonymous_SNV	212	951	159
stopgain	113	567	11
nonsynonymous_SNV	20	70	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	5	47	0
nonsynonymous_SNV	35	198	2
nonsynonymous_SNV	22	92	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	23	84	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	9	44	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	184	795	34
nonsynonymous_SNV	183	799	35
nonsynonymous_SNV	184	784	32
nonsynonymous_SNV	9	50	0
nonsynonymous_SNV	23	90	1
nonsynonymous_SNV	182	798	36
nonsynonymous_SNV	28	102	1
frameshift_deletion	1	10	0
frameshift_deletion	4	13	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	208	965	154

nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	18	95	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	56	218	378
nonsynonymous_SNV	216	973	96
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	19	95	0
nonsynonymous_SNV	69	358	3
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	16	108	0
nonsynonymous_SNV	77	341	8
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	12	30	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	43	227	1
nonsynonymous_SNV	136	623	13
nonsynonymous_SNV	25	119	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	216	936	112
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	31	138	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	9	37	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	202	939	152
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	0	6	0
splicing	3	9	0

nonsynonymous_SNV	83	348	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	44	194	389
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	36	130	1
nonsynonymous_SNV	2	12	435
nonsynonymous_SNV	108	548	16
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	48	2
nonsynonymous_SNV	59	314	5
nonsynonymous_SNV	50	220	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	158	583	257
nonsynonymous_SNV	219	930	143
nonsynonymous_SNV	155	581	260
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	113	520	17
nonsynonymous_SNV	198	911	182
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	32	107	1
nonsynonymous_SNV	14	81	0
nonsynonymous_SNV	139	605	24
nonsynonymous_SNV	18	61	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	124	552	11
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	203	960	140
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	91	416	7
nonsynonymous_SNV	16	105	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	39	108	398
nonsynonymous_SNV	1	10	0
nonframeshift_deletion	218	971	112
frameshift_deletion	218	969	112
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	223	983	115
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	221	965	126
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	57	0
nonsynonymous_SNV	18	66	0
nonsynonymous_SNV	11	36	0
nonsynonymous_SNV	222	948	63
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	8	58	0
nonsynonymous_SNV	78	331	2
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	12	62	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	25	125	0
nonsynonymous_SNV	6	12	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	61	209	1
nonsynonymous_SNV	11	60	0
nonsynonymous_SNV	104	432	8
nonsynonymous_SNV	20	66	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	15	0
frameshift_deletion	2	4	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	12	35	0
nonsynonymous_SNV	232	989	94
nonsynonymous_SNV	17	60	0
nonsynonymous_SNV	5	20	0
nonframeshift_insertion	67	325	7
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	13	46	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	12	50	1

nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	12	58	1
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	3	14	1
nonsynonymous_SNV	92	376	6
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	28	79	1
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	25	126	0
nonsynonymous_SNV	172	748	234
nonsynonymous_SNV	5	5	0
nonsynonymous_SNV	37	167	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	169	715	238
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	3	32	0
nonsynonymous_SNV	24	139	0
nonsynonymous_SNV	224	915	61
nonsynonymous_SNV	66	257	1
nonsynonymous_SNV	12	53	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	195	957	131
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	175	899	52
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	21	37	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	133	604	16
nonframeshift_deletion	5	11	0
nonsynonymous_SNV	16	66	0
nonsynonymous_SNV	113	396	11
nonsynonymous_SNV	105	554	9
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	183	870	206
nonsynonymous_SNV	35	129	1
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	73	284	4

nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	49	235	3
nonsynonymous_SNV	7	49	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	67	337	3
nonsynonymous_SNV	18	78	0
nonsynonymous_SNV	13	56	0
nonsynonymous_SNV	10	54	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	68	336	3
nonsynonymous_SNV	48	209	3
splicing	41	147	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	106	493	11
nonsynonymous_SNV	12	65	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	52	199	2
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	34	152	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	20	87	0
nonsynonymous_SNV	12	66	0
nonsynonymous_SNV	9	33	0
nonsynonymous_SNV	10	46	0
nonframeshift_deletion	211	944	96
nonsynonymous_SNV	205	937	94
frameshift_deletion	3	8	0
frameshift_deletion	27	121	1
frameshift_deletion	30	127	1

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	28	123	1
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	30	165	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	76	341	355
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	20	81	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	104	512	13
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	143	648	18
nonsynonymous_SNV	107	516	13
nonsynonymous_SNV	43	187	3
nonsynonymous_SNV	143	674	21
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	52	229	0
nonsynonymous_SNV	51	228	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	20	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	34	0
nonsynonymous_SNV	29	141	1
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	219	899	130
frameshift_deletion	0	7	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	76	341	5
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	36	126	1
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	4	22	0
frameshift_deletion	1	9	0
nonsynonymous_SNV	196	786	192
nonsynonymous_SNV	12	47	0
nonsynonymous_SNV	25	70	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	11	48	0
nonsynonymous_SNV	28	117	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	10	32	0
nonsynonymous_SNV	10	35	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	199	914	119
nonsynonymous_SNV	205	890	136
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	205	892	136
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	206	887	96
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	15	80	1
nonframeshift_deletion	24	158	0
nonsynonymous_SNV	29	168	0
stopgain	1	6	0
nonsynonymous_SNV	28	168	0
nonsynonymous_SNV	28	168	0
nonsynonymous_SNV	14	64	0
nonsynonymous_SNV	212	859	51
nonsynonymous_SNV	2	8	0
splicing	3	12	0
nonsynonymous_SNV	12	77	0
splicing	8	30	0
nonsynonymous_SNV	72	250	5
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	193	860	59
nonsynonymous_SNV	4	7	0

nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	16	77	1
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	15	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	27	116	0
nonsynonymous_SNV	24	112	0
nonsynonymous_SNV	8	67	0
nonsynonymous_SNV	22	110	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	18	74	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	70	329	7
nonsynonymous_SNV	127	574	14
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	207	904	80
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	119	572	300
nonsynonymous_SNV	42	212	0
nonsynonymous_SNV	14	42	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	60	230	2
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	17	96	0
nonsynonymous_SNV	110	509	16
nonsynonymous_SNV	102	433	9
nonsynonymous_SNV	7	36	1
stopgain	29	175	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	213	875	171
nonsynonymous_SNV	42	189	3
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	145	712	25
nonsynonymous_SNV	176	798	224
nonsynonymous_SNV	205	913	93
nonsynonymous_SNV	24	134	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	33	187	2
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	0	25	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	52	275	3
nonsynonymous_SNV	104	447	6
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	192	789	199
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	74	337	3
nonsynonymous_SNV	32	107	0
frameshift_deletion	0	7	0
frameshift_deletion	184	902	58
frameshift_deletion	189	961	60
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	22	109	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	13	41	0
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	2	13	0

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	99	489	328
nonsynonymous_SNV	22	111	1
nonsynonymous_SNV	1	23	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	18	76	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	197	775	204
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	129	460	8
nonsynonymous_SNV	13	47	0
nonsynonymous_SNV	142	644	18
nonsynonymous_SNV	154	699	36
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	182	812	44
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	8	44	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	10	32	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	222	930	150
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	93	488	10
nonsynonymous_SNV	103	450	3
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	4	44	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	14	87	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	125	585	302
nonsynonymous_SNV	58	303	1
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	20	86	0
nonsynonymous_SNV	58	302	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	58	304	1
nonsynonymous_SNV	9	29	0

nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	114	528	11
nonsynonymous_SNV	91	337	4
nonsynonymous_SNV	100	443	8
nonsynonymous_SNV	34	188	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	103	462	7
nonsynonymous_SNV	165	763	37
nonsynonymous_SNV	10	66	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	23	79	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	21	75	1
nonsynonymous_SNV	193	907	192
nonsynonymous_SNV	191	974	84
nonsynonymous_SNV	183	865	56
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	6	51	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	27	103	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	113	445	8
nonsynonymous_SNV	9	88	0
nonsynonymous_SNV	113	442	7
nonsynonymous_SNV	197	916	189
nonsynonymous_SNV	197	915	189
nonsynonymous_SNV	30	129	0
nonsynonymous_SNV	114	446	8
nonsynonymous_SNV	197	915	189
nonsynonymous_SNV	11	26	0
nonsynonymous_SNV	30	130	0
nonsynonymous_SNV	196	914	188
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	38	155	2
nonsynonymous_SNV	14	72	0
nonsynonymous_SNV	133	584	18
nonsynonymous_SNV	6	31	0

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	10	22	0
nonsynonymous_SNV	5	38	0
nonsynonymous_SNV	7	6	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	6	45	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	181	913	57
nonframeshift_insertion	2	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	231	980	90
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	217	943	88
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	212	808	168
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	202	918	67
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	15	81	0
nonsynonymous_SNV	15	80	0
nonsynonymous_SNV	51	243	1
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	134	603	11
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonframeshift_insertion	2	7	0

nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	19	80	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	1	5	0
stopgain	1	14	0
nonsynonymous_SNV	55	274	376
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	70	298	4
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	75	372	6
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	183	799	35
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	16	94	0
nonsynonymous_SNV	29	114	0
nonsynonymous_SNV	39	189	1
nonsynonymous_SNV	3	2	0
stopgain	106	545	15
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	17	75	0
nonsynonymous_SNV	170	844	70
splicing	0	0	437
nonsynonymous_SNV	45	198	1
nonsynonymous_SNV	5	13	0
frameshift_insertion	13	50	0
nonsynonymous_SNV	37	164	0
nonsynonymous_SNV	60	324	1
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	26	159	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	42	212	2
nonsynonymous_SNV	126	438	8
nonsynonymous_SNV	49	214	1
nonsynonymous_SNV	204	933	104
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	56	240	2

nonsynonymous_SNV	56	240	2
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	4	40	0
nonsynonymous_SNV	116	482	10
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	17	62	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	19	135	0
nonsynonymous_SNV	3	10	434
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	72	279	1
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	79	281	3
nonsynonymous_SNV	166	712	36
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	75	264	4
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	34	156	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	191	858	61
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	88	395	5
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	14	64	0
stopgain	2	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	171	794	223
nonsynonymous_SNV	212	906	70

nonsynonymous_SNV	48	196	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	18	57	1
nonsynonymous_SNV	1	1	435
nonsynonymous_SNV	83	320	8
nonsynonymous_SNV	62	236	366
nonsynonymous_SNV	24	118	0
splicing	1	10	0
nonsynonymous_SNV	19	83	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	218	920	112
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	5	50	0
nonsynonymous_SNV	26	108	0
nonsynonymous_SNV	4	42	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	3	4	0
frameshift_deletion	3	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	33	123	1
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	73	330	356
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	156	668	30
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	224	901	64
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	224	899	64
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	33	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	31	179	1

nonsynonymous_SNV	31	182	405
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	191	779	39
nonsynonymous_SNV	84	396	2
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	126	552	19
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	39	145	0
nonsynonymous_SNV	11	82	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	195	858	53
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	28	134	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	10	69	0
nonsynonymous_SNV	211	944	131
frameshift_insertion	212	946	131
nonsynonymous_SNV	140	611	18
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	96	420	5
nonsynonymous_SNV	89	352	7
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	45	131	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	33	175	399
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	207	937	90
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	110	458	13
nonsynonymous_SNV	214	956	85
nonsynonymous_SNV	11	37	0
nonsynonymous_SNV	221	928	83
nonsynonymous_SNV	59	237	4
nonsynonymous_SNV	3	5	0

nonsynonymous_SNV	237	937	95
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	92	482	12
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	29	117	0
nonsynonymous_SNV	221	949	133
nonsynonymous_SNV	14	62	0
nonsynonymous_SNV	13	43	0
nonsynonymous_SNV	67	294	5
nonsynonymous_SNV	95	425	2
nonsynonymous_SNV	4	5	0
nonframeshift_insertion	157	713	244
nonsynonymous_SNV	11	69	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	65	265	1
nonsynonymous_SNV	180	820	50
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	93	345	3
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	127	550	293
nonsynonymous_SNV	10	85	0
nonsynonymous_SNV	1	6	0
nonframeshift_insertion	3	8	0
nonframeshift_deletion	18	64	1
frameshift_deletion	17	64	1
nonsynonymous_SNV	63	320	3
nonsynonymous_SNV	15	73	0
nonsynonymous_SNV	15	74	0
nonsynonymous_SNV	2	15	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	23	135	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	232	940	118
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	214	937	95
nonsynonymous_SNV	230	935	117
nonsynonymous_SNV	229	888	70
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	31	142	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	170	802	34
nonsynonymous_SNV	13	64	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	18	74	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	14	0
nonsynonymous_SNV	49	188	0
nonsynonymous_SNV	3	8	0
nonframeshift_insertion	190	786	27
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	46	205	1
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	23	93	0
nonsynonymous_SNV	11	42	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	189	889	80
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	206	884	152
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	209	966	59
nonframeshift_deletion	0	18	0
frameshift_deletion	0	18	0
nonsynonymous_SNV	201	955	76
frameshift_deletion	10	40	1
nonsynonymous_SNV	201	933	122
nonsynonymous_SNV	141	681	17
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	67	266	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	13	67	424
nonsynonymous_SNV	197	889	78
nonsynonymous_SNV	2	19	0

nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	37	111	2
nonsynonymous_SNV	176	787	222
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	58	221	2
stopgain	21	157	0
nonsynonymous_SNV	56	223	2
nonsynonymous_SNV	109	507	12
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	199	965	142
nonsynonymous_SNV	38	160	0
nonsynonymous_SNV	42	191	1
nonsynonymous_SNV	27	135	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	101	520	12
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	128	509	11
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	10	66	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	87	420	6
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	128	599	293
nonsynonymous_SNV	11	45	0
nonsynonymous_SNV	45	189	1
nonsynonymous_SNV	0	13	0

nonsynonymous_SNV	101	454	3
nonsynonymous_SNV	16	80	0
nonsynonymous_SNV	12	53	0
nonsynonymous_SNV	101	453	3
nonsynonymous_SNV	227	956	108
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	101	454	3
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	152	677	264
nonsynonymous_SNV	151	667	265
nonframeshift_deletion	211	994	138
nonsynonymous_SNV	23	78	0
nonsynonymous_SNV	211	976	138
nonsynonymous_SNV	58	219	373
nonsynonymous_SNV	15	81	0
nonsynonymous_SNV	16	90	1
nonsynonymous_SNV	211	976	138
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	211	977	138
nonsynonymous_SNV	211	976	138
nonsynonymous_SNV	210	976	139
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	215	949	115
nonsynonymous_SNV	151	616	264
nonsynonymous_SNV	30	152	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	100	468	9
nonsynonymous_SNV	63	324	4
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	46	202	3
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	39	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	10	65	0
nonsynonymous_SNV	104	449	10

nonsynonymous_SNV	8	63	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	13	53	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	85	398	7
nonsynonymous_SNV	33	154	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	15	38	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	212	988	128
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	41	200	1
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	13	39	0
nonframeshift_deletion	3	3	0
nonsynonymous_SNV	3	9	1
nonsynonymous_SNV	185	845	210
nonsynonymous_SNV	57	242	7
nonsynonymous_SNV	209	939	101
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	20	97	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	140	645	272
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	72	300	7
nonsynonymous_SNV	2	10	0
frameshift_insertion	2	10	0
nonsynonymous_SNV	118	515	19
frameshift_deletion	2	10	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	159	776	44
nonsynonymous_SNV	159	776	44
nonsynonymous_SNV	174	811	229
nonsynonymous_SNV	21	79	0

nonsynonymous_SNV	151	672	21
nonsynonymous_SNV	85	350	4
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	152	652	19
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	132	588	16
nonsynonymous_SNV	144	630	18
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	132	580	16
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	15	64	0
nonsynonymous_SNV	143	631	18
nonsynonymous_SNV	171	759	29
nonsynonymous_SNV	165	797	41
stopgain	1	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	76	298	8
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	184	781	213
nonsynonymous_SNV	20	79	0
nonsynonymous_SNV	102	505	3
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	11	44	2
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	220	971	113
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	0	436
stopgain	2	4	0
nonsynonymous_SNV	213	910	56
nonsynonymous_SNV	112	556	15
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	206	943	116
nonsynonymous_SNV	75	272	1
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	19	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	25	144	412
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	9	64	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	8	64	0
nonsynonymous_SNV	1	25	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	44	300	391
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	20	50	0
splicing	1	7	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	71	311	1
nonsynonymous_SNV	25	122	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	185	877	65
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	155	659	22
nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	100	503	8
nonsynonymous_SNV	5	46	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	20	107	0
nonsynonymous_SNV	43	239	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	104	464	7
nonsynonymous_SNV	84	448	9
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	32	145	1
nonsynonymous_SNV	191	877	54
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	24	84	0
nonsynonymous_SNV	18	78	0
nonsynonymous_SNV	2	12	0

nonsynonymous_SNV	44	140	393
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	25	95	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	19	92	1
nonsynonymous_SNV	25	130	1
nonsynonymous_SNV	1	3	436
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	71	312	2
nonsynonymous_SNV	64	350	3
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	202	930	106
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	41	0
nonsynonymous_SNV	134	555	19
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	3	0
nonframeshift_insertion	20	95	0
nonsynonymous_SNV	169	765	38
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	192	836	67
nonsynonymous_SNV	9	39	0
nonsynonymous_SNV	15	81	0
nonframeshift_deletion	3	22	0
nonframeshift_insertion	0	8	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	200	981	102
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	11	85	1
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	19	62	0
nonsynonymous_SNV	20	119	1
nonsynonymous_SNV	42	189	1
nonsynonymous_SNV	33	141	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	17	54	1
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	198	928	97
frameshift_insertion	5	87	0
nonsynonymous_SNV	3	52	0
nonframeshift_insertion	1	33	0
frameshift_deletion	0	7	0
frameshift_deletion	0	7	0
nonframeshift_insertion	0	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	0	18	0
nonframeshift_deletion	1	4	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	25	136	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	7	0
stopgain	6	13	1
nonsynonymous_SNV	13	77	1
nonsynonymous_SNV	10	29	0
nonsynonymous_SNV	225	943	90
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	19	62	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	10	0
stopgain	1	14	0
nonsynonymous_SNV	56	221	1
nonsynonymous_SNV	198	997	98
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	22	48	0
nonsynonymous_SNV	81	388	5
nonsynonymous_SNV	13	38	0
nonsynonymous_SNV	10	30	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	72	292	2
nonsynonymous_SNV	1	5	0
frameshift_deletion	8	41	0
nonsynonymous_SNV	201	925	89
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	9	42	0
nonsynonymous_SNV	192	768	28
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	2	8	0
nonframeshift_insertion	1	3	1
nonsynonymous_SNV	85	392	8
nonsynonymous_SNV	97	410	8
nonsynonymous_SNV	21	114	0
nonsynonymous_SNV	204	954	124
nonsynonymous_SNV	9	53	0
frameshift_insertion	184	820	43
nonsynonymous_SNV	203	920	67
nonsynonymous_SNV	9	54	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	216	955	100
nonsynonymous_SNV	33	140	0
nonsynonymous_SNV	32	139	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	204	947	67
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	32	146	0
nonsynonymous_SNV	188	897	41
nonsynonymous_SNV	167	726	239
nonsynonymous_SNV	58	284	3
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	143	650	18

nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	149	689	249
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	37	186	3
nonsynonymous_SNV	33	128	0
nonsynonymous_SNV	41	134	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	9	37	0
frameshift_insertion	2	7	0
nonsynonymous_SNV	3	7	0
nonframeshift_deletion	5	14	0
nonsynonymous_SNV	24	100	0
nonsynonymous_SNV	8	51	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	40	173	1
nonframeshift_deletion	5	11	0
frameshift_deletion	5	11	0
nonsynonymous_SNV	39	168	1
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	3	5	1
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	3	7	0
stopgain	1	12	0
nonsynonymous_SNV	93	472	8
nonsynonymous_SNV	42	196	5
nonsynonymous_SNV	194	781	32
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	160	750	252

nonframeshift_deletion	161	653	17
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	76	383	7
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	211	923	174
nonsynonymous_SNV	12	50	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	15	69	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	16	96	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	50	290	4
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	26	139	1
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	116	486	13
nonsynonymous_SNV	116	482	12
nonsynonymous_SNV	7	8	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	110	530	320
nonsynonymous_SNV	11	33	0
nonsynonymous_SNV	2	3	0
splicing	1	4	0
nonsynonymous_SNV	126	626	17
nonsynonymous_SNV	27	80	1
nonsynonymous_SNV	105	385	5
nonsynonymous_SNV	54	174	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	39	1
nonsynonymous_SNV	200	857	184
splicing	2	4	0
nonsynonymous_SNV	170	739	25
nonsynonymous_SNV	4	8	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	37	161	1
nonsynonymous_SNV	37	156	2
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	1	7	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	40	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	121	565	17
nonsynonymous_SNV	121	566	17
nonsynonymous_SNV	16	74	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	39	224	1
nonsynonymous_SNV	22	74	0
nonsynonymous_SNV	28	98	3
nonsynonymous_SNV	26	103	0
nonsynonymous_SNV	1	8	0
nonframeshift_deletion	1	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	14	0
stopgain	29	168	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	105	403	8
nonsynonymous_SNV	105	403	8
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	8	15	0
nonsynonymous_SNV	12	55	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	3	436
nonsynonymous_SNV	6	47	0
nonsynonymous_SNV	2	25	0
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	19	104	2
nonsynonymous_SNV	32	183	3
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	17	80	0
nonsynonymous_SNV	10	48	0
nonsynonymous_SNV	4	11	0

stopgain	2	20	0
nonsynonymous_SNV	177	826	59
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	5	0
nonframeshift_deletion	0	5	0
nonframeshift_insertion	12	58	0
nonsynonymous_SNV	60	306	2
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	133	551	13
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	212	939	125
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	204	931	128
nonsynonymous_SNV	10	29	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	53	0
nonsynonymous_SNV	18	69	1
nonsynonymous_SNV	38	171	0
nonsynonymous_SNV	24	90	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	23	128	2
nonsynonymous_SNV	230	900	68
nonsynonymous_SNV	133	574	18
nonsynonymous_SNV	229	905	67
nonsynonymous_SNV	41	159	1
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	4	6	0
stopgain	1	7	0
nonsynonymous_SNV	51	182	384
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	235	948	83
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	8	23	0

nonsynonymous_SNV	18	112	0
nonsynonymous_SNV	223	940	155
nonsynonymous_SNV	164	705	247
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	166	784	46
nonsynonymous_SNV	6	18	1
nonsynonymous_SNV	18	36	0
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	194	920	60
nonsynonymous_SNV	8	64	0
nonsynonymous_SNV	126	606	14
nonsynonymous_SNV	148	598	20
nonsynonymous_SNV	119	485	10
stopgain	14	28	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	39	173	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	9	64	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	185	977	127
nonsynonymous_SNV	19	63	417
nonframeshift_deletion	2	3	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	4	20	1
nonsynonymous_SNV	15	55	0
nonsynonymous_SNV	7	48	0
nonsynonymous_SNV	1	6	0
frameshift_deletion	1	6	0
nonframeshift_deletion	1	6	0
frameshift_deletion	1	6	0
nonframeshift_deletion	1	6	0
frameshift_deletion	1	6	0
frameshift_deletion	1	6	0
nonframeshift_deletion	1	6	0
frameshift_deletion	1	6	0
nonsynonymous_SNV	62	322	4
nonsynonymous_SNV	52	202	385
nonsynonymous_SNV	7	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	176	868	42
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	2	0

nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	23	0
nonsynonymous_SNV	28	149	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	11	18	0
nonsynonymous_SNV	184	752	219
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	5	7	432
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	16	82	0
nonsynonymous_SNV	206	930	124
nonsynonymous_SNV	125	605	33
nonsynonymous_SNV	57	243	3
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	9	49	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	4	0
frameshift_deletion	1	10	0
frameshift_deletion	1	10	0
nonsynonymous_SNV	27	117	0
nonsynonymous_SNV	22	69	0
nonsynonymous_SNV	9	41	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	70	322	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	6	47	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	31	130	0
nonsynonymous_SNV	159	674	26
nonsynonymous_SNV	125	502	2
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	10	20	1
nonsynonymous_SNV	10	59	0
nonsynonymous_SNV	134	565	10
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	129	583	292
nonsynonymous_SNV	2	3	1
nonsynonymous_SNV	131	616	287
nonsynonymous_SNV	93	339	4
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	112	487	15
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	16	50	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	173	763	37
nonsynonymous_SNV	14	62	0
nonsynonymous_SNV	172	865	206
nonsynonymous_SNV	119	484	12
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	17	58	0
nonsynonymous_SNV	17	58	0
nonsynonymous_SNV	33	128	2
nonsynonymous_SNV	33	128	2
nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	83	413	7
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	77	307	6
nonsynonymous_SNV	4	1	0
splicing	4	23	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	62	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	54	216	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	38	0
nonsynonymous_SNV	20	75	0
nonsynonymous_SNV	20	62	1
nonsynonymous_SNV	23	97	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	211	930	83
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	56	217	380
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	154	626	14
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	166	644	14
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	1	6	1
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	23	65	0
nonsynonymous_SNV	9	41	0
nonsynonymous_SNV	120	559	15
nonsynonymous_SNV	120	559	15
nonsynonymous_SNV	120	555	15
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	69	324	8
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	27	126	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	141	671	19
nonsynonymous_SNV	50	260	2
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	187	800	41
nonsynonymous_SNV	192	809	45

nonsynonymous_SNV	172	731	36
nonsynonymous_SNV	7	64	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	173	730	36
nonsynonymous_SNV	173	731	36
stopgain	2	3	0
nonsynonymous_SNV	156	652	28
nonsynonymous_SNV	162	726	249
nonsynonymous_SNV	151	661	268
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	148	725	247
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	12	45	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	24	147	3
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	187	860	58
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	181	788	35
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	15	75	0
nonsynonymous_SNV	14	43	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	216	939	156
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	96	478	7
stopgain	2	13	1
nonsynonymous_SNV	166	795	34
nonsynonymous_SNV	13	107	0

nonsynonymous_SNV	24	116	2
nonsynonymous_SNV	109	457	17
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	5	13	0
splicing	5	18	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	180	795	36
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	170	723	28
nonsynonymous_SNV	179	835	56
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	215	910	137
nonsynonymous_SNV	39	138	0
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	40	155	1
nonsynonymous_SNV	10	45	0
nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	25	116	0
nonsynonymous_SNV	157	687	27
nonsynonymous_SNV	117	475	9
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	11	37	0
nonsynonymous_SNV	192	967	132
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	7	37	1
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	208	917	69
nonsynonymous_SNV	166	770	30
nonsynonymous_SNV	105	415	7
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	203	824	51
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	12	53	1
nonsynonymous_SNV	142	601	10
nonsynonymous_SNV	4	25	0
nonsynonymous_SNV	4	11	0

nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	35	145	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	178	783	29
nonsynonymous_SNV	2	5	435
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	23	56	0
nonsynonymous_SNV	23	56	0
nonsynonymous_SNV	117	571	26
nonsynonymous_SNV	8	30	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	9	12	0
nonsynonymous_SNV	10	35	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	8	46	0
nonsynonymous_SNV	14	66	0
nonsynonymous_SNV	125	492	13
nonsynonymous_SNV	173	679	237
nonsynonymous_SNV	31	126	1
nonsynonymous_SNV	6	40	0
nonsynonymous_SNV	8	44	0
nonframeshift_deletion	102	430	3
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	69	297	1
nonsynonymous_SNV	16	79	1
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	200	840	32
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	195	852	53
nonsynonymous_SNV	112	456	7
nonframeshift_insertion	1	5	0
nonframeshift_deletion	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	125	538	13
nonsynonymous_SNV	166	797	35
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	8	0

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	174	802	228
nonsynonymous_SNV	31	99	0
nonsynonymous_SNV	186	801	191
nonsynonymous_SNV	186	803	191
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	43	255	393
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	23	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	18	75	0
nonsynonymous_SNV	166	782	35
nonframeshift_deletion	7	4	0
nonsynonymous_SNV	166	746	247
nonsynonymous_SNV	204	884	60
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	91	378	3
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	185	829	36
nonsynonymous_SNV	32	130	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	197	812	44
nonsynonymous_SNV	146	538	10
nonsynonymous_SNV	207	906	67
nonsynonymous_SNV	196	811	44
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	145	537	10
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	189	830	36
nonsynonymous_SNV	145	538	10
nonsynonymous_SNV	7	42	0
nonsynonymous_SNV	53	290	380
nonsynonymous_SNV	31	109	1
nonsynonymous_SNV	244	930	78
nonsynonymous_SNV	202	858	54
nonsynonymous_SNV	202	858	54
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	201	890	57
nonsynonymous_SNV	244	932	78
nonsynonymous_SNV	74	271	3
nonsynonymous_SNV	16	79	0
nonsynonymous_SNV	202	856	54
nonsynonymous_SNV	74	273	3
nonsynonymous_SNV	65	342	364
nonsynonymous_SNV	10	41	0
nonsynonymous_SNV	203	858	53
nonsynonymous_SNV	145	539	10
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	180	707	32
nonsynonymous_SNV	25	143	1
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	64	342	365
nonsynonymous_SNV	185	796	27
nonsynonymous_SNV	73	270	3
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	184	790	27
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	216	900	63
nonsynonymous_SNV	145	539	10
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	25	113	0
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	72	270	3
nonsynonymous_SNV	37	128	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	145	537	10
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	55	229	380
nonsynonymous_SNV	108	495	319
nonsynonymous_SNV	7	32	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	25	116	0
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	108	493	319
nonsynonymous_SNV	37	129	0
nonsynonymous_SNV	185	797	27

nonsynonymous_SNV	184	796	27
nonsynonymous_SNV	0	16	0
nonsynonymous_SNV	113	430	5
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	25	143	1
nonsynonymous_SNV	183	795	40
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	184	795	27
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	184	794	27
nonsynonymous_SNV	219	893	141
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	73	271	3
nonsynonymous_SNV	183	796	27
nonsynonymous_SNV	184	795	27
nonsynonymous_SNV	196	842	31
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	184	796	27
nonsynonymous_SNV	184	796	27
nonsynonymous_SNV	184	796	27
nonsynonymous_SNV	184	796	27
nonsynonymous_SNV	184	796	27
nonsynonymous_SNV	113	431	5
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	184	796	27
nonsynonymous_SNV	6	34	1
nonsynonymous_SNV	72	281	2
nonsynonymous_SNV	215	859	51
nonsynonymous_SNV	65	334	7
nonsynonymous_SNV	221	968	125
nonsynonymous_SNV	138	532	8
nonsynonymous_SNV	8	15	0
nonsynonymous_SNV	66	334	6
nonsynonymous_SNV	215	859	51
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	65	333	7
nonsynonymous_SNV	138	531	8
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	138	531	8
nonsynonymous_SNV	138	531	8
nonsynonymous_SNV	139	531	7

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	65	333	7
nonsynonymous_SNV	65	332	7
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	200	882	52
nonsynonymous_SNV	212	940	74
nonsynonymous_SNV	41	174	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	123	535	16
nonsynonymous_SNV	55	228	0
nonsynonymous_SNV	55	228	0
nonsynonymous_SNV	192	794	45
nonsynonymous_SNV	9	37	0
nonsynonymous_SNV	123	535	16
nonsynonymous_SNV	3	5	0
frameshift_deletion	42	175	0
stopgain	3	6	0
nonsynonymous_SNV	177	791	43
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	118	582	17
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	9	33	0
nonsynonymous_SNV	135	560	13
nonsynonymous_SNV	65	272	3
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	18	98	0
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	218	949	166
nonsynonymous_SNV	215	962	164
nonsynonymous_SNV	7	37	0
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	66	314	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	115	600	16
nonsynonymous_SNV	115	600	16
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	126	553	11
nonsynonymous_SNV	14	47	0
nonsynonymous_SNV	227	920	81
nonsynonymous_SNV	12	46	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	18	95	419
nonsynonymous_SNV	134	640	14
nonsynonymous_SNV	134	639	14
nonsynonymous_SNV	139	546	21
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	99	469	3
nonsynonymous_SNV	230	947	85
nonsynonymous_SNV	77	388	4
nonsynonymous_SNV	14	39	0
nonsynonymous_SNV	18	47	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	180	959	81
nonsynonymous_SNV	68	400	5
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	6	53	1
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	51	267	2
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	14	35	0
nonsynonymous_SNV	18	67	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	68	381	4
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	28	121	2
nonsynonymous_SNV	2	12	0

nonsynonymous_SNV	224	963	62
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	2	6	0
stopgain	1	5	0
nonsynonymous_SNV	213	947	48
nonsynonymous_SNV	102	453	10
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	32	133	2
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	61	295	4
nonsynonymous_SNV	149	646	32
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	3	34	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	66	292	1
nonsynonymous_SNV	151	783	31
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	107	594	15
nonframeshift_deletion	1	14	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	17	67	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	141	586	13
nonsynonymous_SNV	215	923	98
nonsynonymous_SNV	10	37	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	211	921	59
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	132	633	282

nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	44	229	3
nonsynonymous_SNV	20	51	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	70	303	5
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	66	286	5
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	11	27	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	44	268	3
nonsynonymous_SNV	11	32	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	5	0
stopgain	3	6	0
nonsynonymous_SNV	181	840	215
nonsynonymous_SNV	14	63	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	25	112	0
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	6	27	0
nonframeshift_deletion	6	27	0
nonsynonymous_SNV	222	973	83
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	27	1
nonsynonymous_SNV	58	265	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	9	25	0
nonsynonymous_SNV	95	337	6
stopgain	1	5	0
nonsynonymous_SNV	1	8	0

nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	212	934	144
nonsynonymous_SNV	202	964	117
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	10	49	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	129	604	17
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	32	116	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	99	411	2
nonsynonymous_SNV	100	445	3
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	145	647	276
nonsynonymous_SNV	7	50	0
nonsynonymous_SNV	20	76	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	11	69	0
nonsynonymous_SNV	11	69	0
nonsynonymous_SNV	65	260	1
nonsynonymous_SNV	67	283	1
nonsynonymous_SNV	64	251	1
nonsynonymous_SNV	121	489	8
nonsynonymous_SNV	66	255	1
frameshift_deletion	15	72	0
nonsynonymous_SNV	121	489	8
nonsynonymous_SNV	17	73	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	26	112	1
nonsynonymous_SNV	0	9	0
nonframeshift_deletion	3	3	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	10	80	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	8	39	0

nonsynonymous_SNV	119	496	5
nonsynonymous_SNV	167	774	29
nonsynonymous_SNV	167	774	29
nonsynonymous_SNV	13	75	0
nonsynonymous_SNV	84	397	6
nonsynonymous_SNV	217	896	79
nonsynonymous_SNV	219	912	82
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	177	793	45
nonsynonymous_SNV	17	100	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	11	65	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	19	102	0
nonsynonymous_SNV	12	69	0
nonsynonymous_SNV	12	67	0
nonsynonymous_SNV	0	8	0
nonframeshift_deletion	3	11	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	14	35	0
nonsynonymous_SNV	198	906	73
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	21	124	0
nonsynonymous_SNV	10	63	0
nonsynonymous_SNV	32	132	1
nonsynonymous_SNV	8	33	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	167	750	39
nonsynonymous_SNV	9	64	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	18	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	26	106	1
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	21	72	1
nonsynonymous_SNV	0	9	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	12	61	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	2	7	0
frameshift_deletion	4	7	0
nonsynonymous_SNV	104	487	14
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	3	6	0
nonsynonymous_SNV	63	333	5
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	89	487	7
nonsynonymous_SNV	17	59	0
nonsynonymous_SNV	25	112	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	151	717	34
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	29	96	1
nonsynonymous_SNV	61	271	2
nonsynonymous_SNV	28	92	1
nonframeshift_insertion	3	14	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	127	661	22
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	129	660	21
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	50	238	1
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	180	744	33

nonsynonymous_SNV	102	432	11
nonsynonymous_SNV	10	55	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	110	517	18
nonsynonymous_SNV	10	29	0
nonsynonymous_SNV	8	27	1
nonsynonymous_SNV	31	131	4
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	68	339	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	11	51	0
nonsynonymous_SNV	5	42	0
nonsynonymous_SNV	2	7	0
nonframeshift_deletion	1	19	0
frameshift_deletion	1	20	0
nonsynonymous_SNV	1	6	0
frameshift_deletion	1	19	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	86	444	11
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	37	171	0
nonsynonymous_SNV	70	342	2
frameshift_deletion	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	47	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	179	763	224
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	46	181	2
nonsynonymous_SNV	36	136	2
nonsynonymous_SNV	192	847	27
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	14	74	0
nonsynonymous_SNV	181	794	216

nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	123	600	15
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	124	607	15
nonsynonymous_SNV	89	292	346
nonsynonymous_SNV	57	186	3
nonframeshift_deletion	0	8	0
nonsynonymous_SNV	182	718	233
nonsynonymous_SNV	124	600	15
nonsynonymous_SNV	7	13	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	4	0
nonframeshift_insertion	19	56	418
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	139	708	31
frameshift_deletion	5	23	0
nonsynonymous_SNV	117	555	309
nonsynonymous_SNV	13	62	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	119	560	10
nonsynonymous_SNV	122	428	309
nonsynonymous_SNV	7	33	0
nonsynonymous_SNV	122	427	309
nonsynonymous_SNV	119	560	10
nonsynonymous_SNV	197	816	202
nonsynonymous_SNV	8	54	0
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	119	560	10
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	18	64	0
nonsynonymous_SNV	13	56	0
nonsynonymous_SNV	20	81	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	2	18	0

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	16	62	1
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	5	38	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	39	168	1
nonsynonymous_SNV	187	894	63
nonsynonymous_SNV	189	901	63
nonsynonymous_SNV	189	899	63
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	48	269	386
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	223	984	124
nonsynonymous_SNV	32	209	1
nonsynonymous_SNV	32	208	1
nonsynonymous_SNV	198	781	43
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	162	740	26
nonsynonymous_SNV	23	90	1
nonsynonymous_SNV	90	348	7
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	176	677	19
nonsynonymous_SNV	176	677	19
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	10	37	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	9	25	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	13	0
nonframeshift_deletion	5	35	0

frameshift_deletion	5	35	0
frameshift_deletion	5	35	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	36	165	3
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	17	69	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	159	732	25
nonsynonymous_SNV	9	23	0
stopgain	0	9	0
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	156	614	13
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	15	63	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	175	882	52
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	8	41	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	18	84	0
nonsynonymous_SNV	201	831	60
nonsynonymous_SNV	17	75	1
nonsynonymous_SNV	33	183	0
nonsynonymous_SNV	11	52	0
nonsynonymous_SNV	207	932	66
nonsynonymous_SNV	29	170	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	227	930	74
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	195	875	75

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	32	128	1
nonsynonymous_SNV	19	57	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	28	126	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	435
nonsynonymous_SNV	78	413	10
nonsynonymous_SNV	73	284	3
nonsynonymous_SNV	146	623	16
nonsynonymous_SNV	161	664	17
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	214	972	115
nonsynonymous_SNV	157	568	262
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	158	578	263
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	23	96	0
nonsynonymous_SNV	4	35	0
nonsynonymous_SNV	109	566	14
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	39	260	3
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	4	1
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	189	760	204
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	23	94	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	16	53	1
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	21	134	1
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	8	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	34	150	0
nonsynonymous_SNV	6	39	0
nonsynonymous_SNV	89	374	4
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	223	941	127
nonsynonymous_SNV	46	167	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	68	314	1
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	217	988	75
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	11	23	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	11	64	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	14	45	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	143	678	23
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	184	844	48
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	184	865	47
nonsynonymous_SNV	116	581	21
nonsynonymous_SNV	124	603	21
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	213	957	115
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	186	769	31
nonsynonymous_SNV	182	833	37

nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	22	109	0
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	222	959	83
nonsynonymous_SNV	9	15	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	216	937	75
nonsynonymous_SNV	27	96	0
nonsynonymous_SNV	47	214	2
nonsynonymous_SNV	222	963	80
nonsynonymous_SNV	16	52	0
nonsynonymous_SNV	27	96	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	222	961	80
nonsynonymous_SNV	99	474	10
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	223	933	80
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	148	674	18
nonframeshift_insertion	21	103	0
nonsynonymous_SNV	190	850	203
nonsynonymous_SNV	12	65	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	12	41	0
nonsynonymous_SNV	245	963	118
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	72	316	3
nonsynonymous_SNV	35	158	3
nonsynonymous_SNV	13	51	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	94	392	3
nonsynonymous_SNV	2	4	0

nonsynonymous_SNV	11	30	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	37	181	2
stopgain	1	6	0
nonsynonymous_SNV	63	294	4
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	7	47	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	136	544	12
nonframeshift_deletion	0	14	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	10	5	1
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	30	122	1
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	12	43	0
nonsynonymous_SNV	51	161	1
nonsynonymous_SNV	26	118	0
frameshift_deletion	31	111	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	161	702	33
frameshift_deletion	5	18	0
nonsynonymous_SNV	2	30	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	122	571	19
nonsynonymous_SNV	72	343	4
nonsynonymous_SNV	97	417	7

nonsynonymous_SNV	97	417	7
nonsynonymous_SNV	97	418	7
nonsynonymous_SNV	3	15	0
nonframeshift_insertion	53	257	380
nonsynonymous_SNV	86	386	11
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	147	720	34
nonsynonymous_SNV	152	666	18
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	17	93	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	14	58	1
nonsynonymous_SNV	64	263	4
splicing	0	5	0
nonsynonymous_SNV	7	50	0
nonsynonymous_SNV	182	825	34
nonsynonymous_SNV	59	324	3
nonsynonymous_SNV	83	417	4
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	202	868	172
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	10	0
frameshift_deletion	145	590	19
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	16	112	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	46	195	2
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	21	113	1
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	13	50	0
nonsynonymous_SNV	210	948	138
nonsynonymous_SNV	1	9	0

nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	34	0
stopgain	1	5	0
nonsynonymous_SNV	201	887	38
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	202	886	44
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	134	626	14
stopgain	0	7	0
nonsynonymous_SNV	34	174	1
nonsynonymous_SNV	93	421	5
nonsynonymous_SNV	172	731	26
nonsynonymous_SNV	175	738	26
nonsynonymous_SNV	9	55	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	63	230	1
nonsynonymous_SNV	68	287	2
nonsynonymous_SNV	85	361	343
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	150	733	25
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	25	80	0
nonsynonymous_SNV	35	116	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	15	96	0
nonframeshift_deletion	15	68	0
frameshift_deletion	11	41	0
nonsynonymous_SNV	15	98	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	8	35	0

nonsynonymous_SNV	28	131	0
nonsynonymous_SNV	3	3	0
frameshift_deletion	18	53	0
nonsynonymous_SNV	5	11	0
frameshift_deletion	1	20	0
nonsynonymous_SNV	16	49	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	190	840	44
nonsynonymous_SNV	222	951	97
nonsynonymous_SNV	116	513	10
nonsynonymous_SNV	38	124	0
nonsynonymous_SNV	22	112	1
nonsynonymous_SNV	222	952	98
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	33	173	2
nonsynonymous_SNV	223	951	97
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	6	0
splicing	3	8	0
nonsynonymous_SNV	18	100	0
nonsynonymous_SNV	109	503	11
nonsynonymous_SNV	109	503	11
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	13	41	2
nonsynonymous_SNV	165	716	25
nonsynonymous_SNV	207	862	60
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	11	42	0
nonsynonymous_SNV	169	712	23
nonsynonymous_SNV	1	10	0
stopgain	18	112	0
nonsynonymous_SNV	134	599	16
stopgain	179	832	43
nonsynonymous_SNV	9	54	1
nonsynonymous_SNV	175	770	220
nonsynonymous_SNV	1	4	0
stopgain	3	8	0
nonsynonymous_SNV	82	438	9
nonframeshift_insertion	147	684	245
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	21	90	0
nonsynonymous_SNV	1	17	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	123	612	16
stopgain	45	200	0
nonsynonymous_SNV	9	16	0
nonsynonymous_SNV	58	288	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	8	26	429
nonsynonymous_SNV	146	664	267
nonsynonymous_SNV	106	453	9
nonsynonymous_SNV	18	78	0
nonsynonymous_SNV	24	102	0
splicing	5	16	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	9	56	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	15	104	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	66	279	3
nonsynonymous_SNV	85	410	3
nonsynonymous_SNV	82	328	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	205	945	107
nonsynonymous_SNV	83	355	1
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	34	134	2
nonframeshift_insertion	1	7	0
nonsynonymous_SNV	82	350	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	202	953	103
nonsynonymous_SNV	2	12	0
frameshift_deletion	0	8	0

frameshift_deletion	0	8	0
nonsynonymous_SNV	83	336	1
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	0	437
splicing	0	1	437
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	85	369	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	114	518	12
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	44	242	0
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	15	43	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	191	812	37
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	41	111	0
splicing	0	9	0
nonsynonymous_SNV	37	93	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	11	50	0
nonsynonymous_SNV	53	149	1
nonsynonymous_SNV	12	30	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	8	28	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	199	859	42
nonsynonymous_SNV	200	863	40
nonsynonymous_SNV	25	133	0
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	5	50	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	32	134	0
nonsynonymous_SNV	216	923	158
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	162	667	264
nonframeshift_deletion	1	8	0
nonsynonymous_SNV	237	942	113
nonsynonymous_SNV	212	897	65
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	5	0
frameshift_deletion	0	5	0
nonsynonymous_SNV	189	804	205
nonsynonymous_SNV	201	867	184
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	22	49	0
nonsynonymous_SNV	152	678	32
nonsynonymous_SNV	43	213	1
nonsynonymous_SNV	62	278	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	10	38	0
nonsynonymous_SNV	15	41	0
nonsynonymous_SNV	28	112	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	28	113	0
nonsynonymous_SNV	14	84	0
nonsynonymous_SNV	206	923	48
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	41	117	0
nonsynonymous_SNV	138	551	15
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	139	551	14
frameshift_insertion	109	503	10
frameshift_deletion	109	503	10
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	62	301	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	24	121	2

nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	16	68	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	46	140	0
nonsynonymous_SNV	30	115	0
nonsynonymous_SNV	65	237	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	144	574	277
nonsynonymous_SNV	14	60	0
nonsynonymous_SNV	11	45	0
nonsynonymous_SNV	141	559	17
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	143	567	277
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	143	710	272
nonsynonymous_SNV	46	143	0
frameshift_deletion	2	17	0
nonsynonymous_SNV	17	64	0
nonsynonymous_SNV	145	577	16
nonsynonymous_SNV	142	710	272
nonsynonymous_SNV	233	929	74
stopgain	0	6	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	17	60	0
nonsynonymous_SNV	143	707	272
nonsynonymous_SNV	16	39	0
nonframeshift_deletion	45	142	0
nonsynonymous_SNV	20	89	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	12	49	1
nonsynonymous_SNV	16	86	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	66	290	3
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	1	5	0
nonframeshift_deletion	26	113	0

nonsynonymous_SNV	39	146	0
nonsynonymous_SNV	108	495	13
nonsynonymous_SNV	114	511	12
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	22	77	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	8	28	0
stopgain	13	51	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	27	141	0
nonsynonymous_SNV	20	100	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	35	1
nonsynonymous_SNV	8	57	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	20	75	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	19	98	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	47	177	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	25	104	1
nonsynonymous_SNV	57	257	4
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	15	68	0
nonsynonymous_SNV	18	60	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	13	55	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	7	31	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	121	596	12
nonsynonymous_SNV	49	233	4
nonsynonymous_SNV	5	4	0
nonsynonymous_SNV	90	330	5
nonsynonymous_SNV	224	923	122
nonsynonymous_SNV	88	371	1
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	15	66	0
nonsynonymous_SNV	16	105	0
nonsynonymous_SNV	13	73	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	129	633	25
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	12	37	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	38	205	2
nonsynonymous_SNV	28	134	0
nonsynonymous_SNV	37	192	3
nonsynonymous_SNV	91	378	9
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	8	47	0
nonsynonymous_SNV	214	964	108
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	51	227	7
nonsynonymous_SNV	123	514	10
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	98	426	8

nonsynonymous_SNV	28	178	0
nonsynonymous_SNV	183	840	210
nonsynonymous_SNV	183	839	210
nonsynonymous_SNV	1	26	0
nonsynonymous_SNV	194	856	198
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	142	620	17
nonsynonymous_SNV	38	145	0
nonsynonymous_SNV	146	623	20
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	25	124	1
nonsynonymous_SNV	9	32	0
nonsynonymous_SNV	200	866	52
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	21	75	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	9	29	1
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	28	104	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	8	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	9	50	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	9	38	0
nonsynonymous_SNV	69	344	4
nonsynonymous_SNV	54	207	381
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	121	564	12
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	217	920	62
nonsynonymous_SNV	224	941	117
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	230	942	114
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	226	939	117
nonsynonymous_SNV	14	62	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	37	196	2
nonsynonymous_SNV	220	943	86
nonsynonymous_SNV	25	153	1
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	39	207	2
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	164	777	224
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	22	68	0
nonsynonymous_SNV	23	96	3
nonsynonymous_SNV	209	923	114
nonsynonymous_SNV	18	106	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	56	199	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	14	1

nonsynonymous_SNV	1	8	0
frameshift_insertion	121	544	17
nonsynonymous_SNV	47	167	2
nonsynonymous_SNV	14	53	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	10	58	1
nonsynonymous_SNV	59	249	2
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	21	75	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	193	813	199
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	224	883	152
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	23	77	0
nonsynonymous_SNV	226	909	63
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	233	903	62
nonsynonymous_SNV	0	6	0
nonframeshift_insertion	18	97	0
nonsynonymous_SNV	18	96	0
nonsynonymous_SNV	173	758	230
nonsynonymous_SNV	171	742	236
splicing	5	23	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	10	84	0
nonsynonymous_SNV	222	941	76
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	28	146	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	200	934	70
nonsynonymous_SNV	42	125	0
nonsynonymous_SNV	4	8	0
stopgain	2	18	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	96	349	8
nonsynonymous_SNV	14	51	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	64	217	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	18	102	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	8	32	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	14	1
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	96	321	7
nonsynonymous_SNV	165	819	219
nonsynonymous_SNV	104	401	9
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	13	64	0
nonsynonymous_SNV	7	31	0
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	1	0	436
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	210	877	173
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	44	169	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	15	69	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	8	0

nonframeshift_deletion	5	8	0
nonsynonymous_SNV	32	202	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	110	508	12
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	112	480	7
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	116	522	16
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	24	73	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	195	910	147
frameshift_deletion	194	952	91
nonsynonymous_SNV	101	501	325
nonsynonymous_SNV	133	647	23
nonsynonymous_SNV	153	713	261
nonsynonymous_SNV	196	951	89
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	54	232	1
nonsynonymous_SNV	192	1004	112
nonsynonymous_SNV	193	996	113
nonsynonymous_SNV	193	1004	111
nonsynonymous_SNV	193	999	113
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	192	1001	112
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	10	89	1
nonsynonymous_SNV	1	4	436
nonsynonymous_SNV	21	120	415
nonsynonymous_SNV	1	4	436
nonsynonymous_SNV	8	28	0
frameshift_deletion	3	2	0
frameshift_deletion	3	2	0
nonsynonymous_SNV	89	375	341
nonsynonymous_SNV	11	34	426
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	13	29	0
nonsynonymous_SNV	129	517	11

nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	194	886	180
nonsynonymous_SNV	5	14	1
frameshift_insertion	1	4	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	5	0
nonframeshift_deletion	189	881	189
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	15	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	93	469	338
nonsynonymous_SNV	93	455	338
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	125	590	293
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	33	130	3
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	178	814	209
nonsynonymous_SNV	15	51	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	219	939	128
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	100	428	8
nonsynonymous_SNV	195	880	176
nonsynonymous_SNV	195	881	176
nonsynonymous_SNV	176	813	213
nonsynonymous_SNV	194	902	180

nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	31	122	2
frameshift_insertion	1	25	0
nonsynonymous_SNV	185	892	56
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	86	355	6
nonsynonymous_SNV	18	81	0
nonsynonymous_SNV	75	357	355
nonsynonymous_SNV	9	54	0
nonsynonymous_SNV	9	56	0
nonsynonymous_SNV	9	49	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	204	911	89
frameshift_deletion	2	5	0
nonsynonymous_SNV	201	934	95
nonsynonymous_SNV	224	963	99
splicing	0	0	437
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	142	649	21
nonsynonymous_SNV	50	219	0
nonsynonymous_SNV	204	889	156
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	80	291	7
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	35	212	2
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	23	87	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	37	149	2
nonsynonymous_SNV	11	35	1
nonsynonymous_SNV	0	26	0
nonsynonymous_SNV	28	158	1
frameshift_insertion	3	21	1
nonsynonymous_SNV	35	172	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	0	5	0
nonsynonymous_SNV	27	151	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	28	143	0
nonsynonymous_SNV	182	846	55

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	93	260	4
nonsynonymous_SNV	205	954	125
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	210	848	56
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	63	290	2
nonsynonymous_SNV	2	5	1
nonsynonymous_SNV	9	45	0
nonsynonymous_SNV	26	146	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	3	0
stoploss	1	5	0
nonsynonymous_SNV	10	37	0
nonsynonymous_SNV	11	56	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	202	919	66
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	91	493	9
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	91	493	9
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	11	45	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	91	445	15
nonsynonymous_SNV	91	440	15
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	148	620	17
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	14	28	0
nonsynonymous_SNV	3	6	0
nonframeshift_deletion	3	10	0

nonsynonymous_SNV	79	451	6
nonsynonymous_SNV	210	915	51
nonsynonymous_SNV	17	58	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	92	411	5
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	10	40	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	154	721	249
nonsynonymous_SNV	15	65	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	111	543	13
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	6	29	0
stopgain	3	23	0
nonsynonymous_SNV	62	254	2
nonsynonymous_SNV	138	592	15
nonsynonymous_SNV	4	12	1
nonsynonymous_SNV	31	163	1
nonsynonymous_SNV	27	126	0
nonsynonymous_SNV	6	20	1
nonsynonymous_SNV	17	80	0
nonsynonymous_SNV	47	216	1
nonsynonymous_SNV	105	465	7
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	172	703	31
nonsynonymous_SNV	14	44	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	14	0

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	8	0
nonframeshift_deletion	8	47	0
nonframeshift_deletion	1	4	0
frameshift_deletion	1	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	16	83	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	2	10	0
nonframeshift_deletion	90	365	6
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	203	945	89
nonsynonymous_SNV	1	11	0
splicing	16	61	420
nonsynonymous_SNV	71	226	2
nonsynonymous_SNV	23	133	0
nonsynonymous_SNV	16	125	1
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	22	0
nonframeshift_deletion	1	34	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	7	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	24	73	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	146	742	31
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	19	67	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	147	627	23
nonsynonymous_SNV	115	511	7

nonsynonymous_SNV	57	224	3
nonsynonymous_SNV	25	91	0
nonsynonymous_SNV	216	934	147
nonsynonymous_SNV	199	902	71
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	86	373	3
frameshift_deletion	13	71	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	208	935	69
nonsynonymous_SNV	151	692	21
nonsynonymous_SNV	6	54	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	53	178	1
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	20	87	1
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	20	87	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	10	0
frameshift_insertion	59	199	3
nonsynonymous_SNV	202	821	44
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	19	80	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	30	154	2
nonsynonymous_SNV	2	3	0
nonframeshift_insertion	1	6	0
nonsynonymous_SNV	35	94	1
nonsynonymous_SNV	26	127	0
nonsynonymous_SNV	10	32	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	45	158	1
nonsynonymous_SNV	4	38	0
nonsynonymous_SNV	4	27	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	6	0
nonframeshift_deletion	41	146	2
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	97	453	7
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	19	98	0
nonframeshift_deletion	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	175	725	23
nonsynonymous_SNV	6	39	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	15	73	0
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	224	965	113
nonsynonymous_SNV	12	53	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	232	950	64
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	13	84	0
nonsynonymous_SNV	212	896	146
nonsynonymous_SNV	141	639	18
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	37	171	1
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	162	708	22
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	7	42	0
nonsynonymous_SNV	8	29	0
nonsynonymous_SNV	190	843	35
nonsynonymous_SNV	6	38	0

nonsynonymous_SNV	108	546	11
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	109	485	8
nonsynonymous_SNV	206	906	45
nonsynonymous_SNV	133	569	12
nonsynonymous_SNV	201	904	43
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	122	528	12
nonsynonymous_SNV	182	801	29
nonsynonymous_SNV	96	441	6
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	97	443	6
nonsynonymous_SNV	29	92	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	8	20	1
nonsynonymous_SNV	1	8	0
frameshift_insertion	110	490	14
stopgain	54	226	1
nonsynonymous_SNV	122	558	16
nonsynonymous_SNV	55	230	2
frameshift_deletion	55	267	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	13	0
nonframeshift_deletion	93	320	6
frameshift_deletion	2	3	0
nonframeshift_deletion	93	318	6
frameshift_deletion	3	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	129	617	287
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	10	35	0
nonsynonymous_SNV	227	957	74
nonsynonymous_SNV	225	959	84
nonsynonymous_SNV	5	27	0
nonframeshift_deletion	18	56	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	1	6	0
stopgain	1	8	0

nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	184	792	39
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	176	737	24
nonsynonymous_SNV	170	737	24
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	209	932	125
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	185	854	58
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	130	691	281
nonsynonymous_SNV	130	696	281
nonsynonymous_SNV	130	696	281
nonsynonymous_SNV	15	70	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	154	803	243
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	9	29	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	63	282	1
nonsynonymous_SNV	9	52	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	130	579	12
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	55	251	3
nonsynonymous_SNV	176	847	46

nonsynonymous_SNV	9	34	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	7	43	1
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	40	202	2
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	35	198	2
nonframeshift_deletion	66	313	8
frameshift_deletion	66	313	8
frameshift_deletion	66	313	8
nonsynonymous_SNV	20	96	1
nonsynonymous_SNV	17	94	0
nonsynonymous_SNV	4	29	0
nonsynonymous_SNV	7	41	0
nonsynonymous_SNV	75	335	5
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	0	7	0
nonframeshift_deletion	3	6	0
frameshift_deletion	3	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	18	97	1
nonsynonymous_SNV	202	857	44
nonframeshift_insertion	201	855	44
nonsynonymous_SNV	3	18	0

nonsynonymous_SNV	11	41	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	63	246	2
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	39	173	3
nonsynonymous_SNV	36	140	1
nonsynonymous_SNV	35	169	0
nonsynonymous_SNV	34	167	0
nonsynonymous_SNV	17	35	0
nonsynonymous_SNV	18	64	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	144	644	23
nonsynonymous_SNV	31	166	0
nonsynonymous_SNV	8	45	0
nonsynonymous_SNV	6	14	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	125	611	20
stopgain	1	8	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	7	63	0
nonsynonymous_SNV	14	79	1
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	17	77	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	27	124	2
frameshift_insertion	1	10	0
frameshift_deletion	4	15	0
frameshift_insertion	4	15	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	26	142	0
nonsynonymous_SNV	174	786	36
nonsynonymous_SNV	174	786	36
nonsynonymous_SNV	9	47	0
nonsynonymous_SNV	174	782	36
nonsynonymous_SNV	10	17	0
nonsynonymous_SNV	179	804	32
nonsynonymous_SNV	177	845	202
nonsynonymous_SNV	24	155	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	5	0

nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	21	139	2
nonsynonymous_SNV	76	307	6
nonsynonymous_SNV	62	288	2
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	161	696	37
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	61	256	4
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	0	1	437
nonsynonymous_SNV	15	53	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	69	334	359
frameshift_deletion	11	63	0
nonsynonymous_SNV	202	957	149
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	185	899	189
nonsynonymous_SNV	67	283	3
nonsynonymous_SNV	21	131	1
nonsynonymous_SNV	60	266	3
nonsynonymous_SNV	55	305	8
splicing	201	908	162
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	24	128	2
nonsynonymous_SNV	5	41	1
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	188	893	73
splicing	15	54	0
nonsynonymous_SNV	229	936	134
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	131	654	19
nonsynonymous_SNV	24	92	1
frameshift_insertion	0	6	0
nonframeshift_deletion	6	8	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	5	23	0

nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	186	906	160
nonsynonymous_SNV	211	940	138
nonsynonymous_SNV	2	10	0
frameshift_insertion	44	184	1
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	54	230	2
nonsynonymous_SNV	3	21	0
nonframeshift_insertion	3	13	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	6	0
frameshift_deletion	1	4	0
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	8	40	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	96	389	5
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	51	241	2
nonsynonymous_SNV	155	707	32
nonsynonymous_SNV	145	672	274
nonsynonymous_SNV	26	87	1
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	224	959	118
nonsynonymous_SNV	9	45	0
nonsynonymous_SNV	121	496	302
nonsynonymous_SNV	214	848	167
nonsynonymous_SNV	16	88	0
nonsynonymous_SNV	14	56	0
stopgain	134	597	15
nonsynonymous_SNV	78	357	3
nonsynonymous_SNV	49	230	1
nonsynonymous_SNV	218	903	148
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	28	116	0
nonsynonymous_SNV	15	55	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	35	0
nonsynonymous_SNV	78	342	2
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	2	0

nonsynonymous_SNV	54	273	2
stopgain	2	3	0
frameshift_insertion	2	17	0
nonsynonymous_SNV	1	6	0
frameshift_deletion	0	8	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	121	629	294
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	195	916	59
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	150	689	264
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	13	87	0
nonsynonymous_SNV	13	88	0
nonsynonymous_SNV	13	88	0
nonsynonymous_SNV	13	89	0
nonsynonymous_SNV	12	84	0
nonsynonymous_SNV	215	883	66
nonsynonymous_SNV	6	40	0
nonsynonymous_SNV	6	38	0
nonsynonymous_SNV	8	58	0
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	22	107	0
nonsynonymous_SNV	92	418	6
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	112	523	10
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	174	768	38
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	173	768	38
nonsynonymous_SNV	180	770	33
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	44	158	1
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	178	777	35
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	12	29	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	105	375	8
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	73	365	5
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	32	147	1
nonsynonymous_SNV	177	730	23
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	17	105	0
frameshift_deletion	183	756	227
nonsynonymous_SNV	146	632	17
nonsynonymous_SNV	82	398	347
nonsynonymous_SNV	82	400	347
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	11	0
nonframeshift_insertion	191	943	79
nonsynonymous_SNV	114	441	6
nonsynonymous_SNV	193	943	79
frameshift_deletion	3	15	0
stopgain	3	11	0
nonsynonymous_SNV	15	45	0
nonsynonymous_SNV	22	117	414
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	22	117	414
stopgain	0	9	0
nonsynonymous_SNV	19	103	417
nonsynonymous_SNV	19	103	417
stopgain	0	5	0
nonsynonymous_SNV	165	661	29
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	66	357	5
nonframeshift_deletion	15	32	0
nonsynonymous_SNV	207	913	152
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	11	41	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	17	57	1
nonframeshift_insertion	216	931	71
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	11	49	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	126	555	14

nonsynonymous_SNV	216	955	110
nonsynonymous_SNV	216	955	110
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	196	841	203
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	200	914	170
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	27	133	410
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	200	912	170
nonsynonymous_SNV	30	96	0
nonsynonymous_SNV	201	973	145
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	44	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	47	223	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	151	599	19
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	219	971	84
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	39	211	0
nonsynonymous_SNV	38	169	0
nonsynonymous_SNV	21	95	416
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	35	204	0
nonsynonymous_SNV	196	924	89
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	16	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	224	900	55
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	50	257	1
nonsynonymous_SNV	18	98	0
nonsynonymous_SNV	229	921	87
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	6	8	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	50	225	1

nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	15	76	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	7	42	0
nonsynonymous_SNV	21	118	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	28	88	0
nonsynonymous_SNV	12	39	0
nonframeshift_deletion	221	938	143
frameshift_deletion	221	936	143
frameshift_deletion	221	937	142
stopgain	50	158	2
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	90	342	4
splicing	6	29	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	45	181	0
nonsynonymous_SNV	137	706	26
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	190	808	211
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	72	310	5
nonsynonymous_SNV	71	283	3
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	14	45	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	153	646	23
nonsynonymous_SNV	15	65	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	15	65	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	6	47	0
nonsynonymous_SNV	79	350	3
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	4	0

nonsynonymous_SNV	4	32	0
nonsynonymous_SNV	0	4	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	212	920	75
nonsynonymous_SNV	3	11	0
frameshift_insertion	15	80	0
nonsynonymous_SNV	107	536	310
nonsynonymous_SNV	118	587	296
nonsynonymous_SNV	206	935	160
nonsynonymous_SNV	122	587	296
nonsynonymous_SNV	117	584	301
nonsynonymous_SNV	112	554	304
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	52	249	2
nonsynonymous_SNV	52	249	2
nonsynonymous_SNV	136	530	12
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	13	54	0
nonsynonymous_SNV	164	653	20
nonsynonymous_SNV	224	968	120
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	19	90	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	139	640	20
nonsynonymous_SNV	10	35	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	87	344	5
nonsynonymous_SNV	3	9	0
stopgain	3	9	0
stopgain	6	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	16	77	0
nonsynonymous_SNV	0	2	437
nonsynonymous_SNV	104	426	5
nonsynonymous_SNV	6	28	0

nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	82	405	4
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	118	561	19
nonsynonymous_SNV	73	319	362
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	5	14	0
nonframeshift_insertion	192	932	77
nonsynonymous_SNV	8	49	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	210	968	129
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	1	4	1
frameshift_insertion	2	15	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	74	425	11
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	21	86	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	9	21	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	27	84	1
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	62	210	1
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	19	108	0
nonsynonymous_SNV	8	45	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	60	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	1	15	0

nonsynonymous_SNV	23	92	1
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	3	6	0
nonframeshift_deletion	3	3	0
nonframeshift_deletion	3	3	0
frameshift_deletion	3	2	0
frameshift_deletion	3	2	0
nonsynonymous_SNV	1	26	0
nonsynonymous_SNV	11	40	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	40	0
nonsynonymous_SNV	12	33	1
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	56	227	380
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	194	889	58
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	41	182	3
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	180	765	30
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	72	326	6
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	3	0
frameshift_deletion	13	52	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	207	929	168
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	55	204	0
nonsynonymous_SNV	208	932	167

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	55	198	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	78	264	2
nonsynonymous_SNV	1	4	0
frameshift_insertion	2	14	0
nonsynonymous_SNV	198	953	138
nonsynonymous_SNV	57	284	1
nonsynonymous_SNV	205	966	144
nonsynonymous_SNV	3	6	0
stoploss	181	752	234
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	68	368	6
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	5	33	1
nonsynonymous_SNV	35	124	0
nonsynonymous_SNV	117	537	20
nonsynonymous_SNV	171	762	35
nonsynonymous_SNV	111	491	13
nonsynonymous_SNV	12	44	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	206	879	49
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	10	47	0
nonsynonymous_SNV	32	92	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	166	794	39
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	213	964	109
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	211	963	113
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	155	767	36
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	150	731	31
nonsynonymous_SNV	133	597	21

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	196	867	57
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	207	910	66
nonsynonymous_SNV	166	734	248
nonframeshift_deletion	1	4	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	106	411	10
nonsynonymous_SNV	186	790	42
nonsynonymous_SNV	190	792	41
nonsynonymous_SNV	13	54	1
nonsynonymous_SNV	14	51	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	99	443	6
nonsynonymous_SNV	0	6	0
nonframeshift_deletion	1	7	0
nonframeshift_insertion	4	30	0
nonsynonymous_SNV	15	81	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	30	124	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	16	108	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	1	16	0
stopgain	20	75	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	207	947	131
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	192	876	180
nonsynonymous_SNV	211	944	126
nonsynonymous_SNV	143	563	9
nonsynonymous_SNV	68	286	6
frameshift_deletion	7	27	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	207	901	168
nonsynonymous_SNV	207	902	168

nonsynonymous_SNV	220	949	117
nonsynonymous_SNV	3	24	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	197	960	139
stopgain	10	33	1
nonsynonymous_SNV	163	702	234
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	84	412	5
nonsynonymous_SNV	10	66	0
nonsynonymous_SNV	176	778	36
nonsynonymous_SNV	18	83	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	30	104	0
nonsynonymous_SNV	14	65	423
nonsynonymous_SNV	24	105	1
nonsynonymous_SNV	14	40	0
nonsynonymous_SNV	93	461	9
nonsynonymous_SNV	55	216	382
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	19	82	0
nonsynonymous_SNV	209	938	158
nonsynonymous_SNV	169	771	37
nonsynonymous_SNV	202	854	172
nonsynonymous_SNV	202	854	172
nonsynonymous_SNV	7	44	0
stopgain	4	25	0
nonframeshift_insertion	167	773	36
splicing	187	771	206
nonsynonymous_SNV	187	771	206
nonsynonymous_SNV	7	86	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	134	608	17
nonsynonymous_SNV	134	608	17
nonsynonymous_SNV	134	608	17
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	205	944	143
nonsynonymous_SNV	14	51	0
nonsynonymous_SNV	6	30	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	119	532	17
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	144	631	274
nonsynonymous_SNV	29	132	1
nonsynonymous_SNV	31	124	0
nonsynonymous_SNV	72	328	4
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	72	326	4
nonsynonymous_SNV	113	516	11
nonsynonymous_SNV	1	4	0
stopgain	2	20	0
nonsynonymous_SNV	26	123	0
stopgain	10	58	0
nonsynonymous_SNV	124	541	13
nonsynonymous_SNV	8	43	0
nonsynonymous_SNV	105	447	9
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	123	504	11
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	7	0
frameshift_deletion	13	45	0
frameshift_insertion	11	41	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	1	18	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	112	503	13
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	1	8	0

nonsynonymous_SNV	96	441	13
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	19	71	0
nonsynonymous_SNV	1	4	0
stopgain	8	47	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	208	965	151
nonsynonymous_SNV	16	78	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	9	34	0
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	48	163	386
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	134	649	26
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	172	715	33
nonsynonymous_SNV	202	950	111
nonsynonymous_SNV	133	651	26
nonsynonymous_SNV	12	77	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	214	937	94
nonsynonymous_SNV	19	100	0
nonsynonymous_SNV	8	36	0
nonsynonymous_SNV	177	725	38
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	2	38	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	116	595	18
nonsynonymous_SNV	116	598	18
nonsynonymous_SNV	44	198	2
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	149	680	29

nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	180	752	40
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	19	59	0
frameshift_deletion	115	548	7
frameshift_deletion	115	546	7
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	199	862	59
nonsynonymous_SNV	199	862	59
nonsynonymous_SNV	16	49	0
frameshift_insertion	29	100	0
nonsynonymous_SNV	204	933	158
nonsynonymous_SNV	79	310	6
nonframeshift_deletion	213	919	162
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	18	63	0
nonsynonymous_SNV	3	9	0
stoploss	0	7	0
nonsynonymous_SNV	223	934	149
nonsynonymous_SNV	53	230	4
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	10	42	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	10	57	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	78	362	7
nonsynonymous_SNV	77	361	7
nonsynonymous_SNV	139	627	23
nonsynonymous_SNV	80	357	4
nonsynonymous_SNV	12	44	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	26	90	0
nonsynonymous_SNV	2	30	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	117	541	300
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	3	14	0
frameshift_deletion	1	11	0
nonsynonymous_SNV	213	955	112

nonsynonymous_SNV	217	966	121
nonsynonymous_SNV	76	296	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	11	60	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	53	268	4
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	162	761	29
nonsynonymous_SNV	25	89	1
nonsynonymous_SNV	226	980	96
nonsynonymous_SNV	5	20	0
stopgain	6	21	0
nonsynonymous_SNV	90	392	332
nonsynonymous_SNV	109	509	311
nonsynonymous_SNV	94	458	13
nonsynonymous_SNV	22	82	0
nonsynonymous_SNV	192	908	66
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	201	930	86
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	38	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	78	381	4
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	63	254	368
nonsynonymous_SNV	1	8	0
nonframeshift_insertion	0	7	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	17	63	1
nonsynonymous_SNV	209	841	170
nonsynonymous_SNV	82	351	0
nonsynonymous_SNV	40	147	0
nonsynonymous_SNV	65	257	4
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	12	37	0
frameshift_deletion	0	9	0
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	7	30	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	78	360	4
nonsynonymous_SNV	103	484	14
frameshift_deletion	2	20	0
frameshift_insertion	87	448	13
nonsynonymous_SNV	210	886	56
nonsynonymous_SNV	6	39	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	4	15	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	71	364	4
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	11	1
nonsynonymous_SNV	49	251	3
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	58	282	1
nonsynonymous_SNV	194	933	123
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	117	472	309
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	39	188	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	9	65	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	39	187	0
frameshift_deletion	28	137	0
frameshift_deletion	28	137	0
nonsynonymous_SNV	98	464	10
nonsynonymous_SNV	55	309	5
nonsynonymous_SNV	30	151	0
nonsynonymous_SNV	1	19	0
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	217	950	123
nonsynonymous_SNV	200	937	177
nonsynonymous_SNV	65	264	2
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	207	941	166
stopgain	11	49	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	156	706	33
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	113	539	16
nonsynonymous_SNV	104	499	14
nonsynonymous_SNV	113	536	16
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	3	3	0
nonframeshift_deletion	6	22	0
nonsynonymous_SNV	202	841	48
nonsynonymous_SNV	21	89	0
nonsynonymous_SNV	4	45	0
nonsynonymous_SNV	223	958	88
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	19	77	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	170	709	34
nonsynonymous_SNV	34	184	4
nonsynonymous_SNV	184	739	29
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	12	59	0
nonsynonymous_SNV	222	881	54
nonsynonymous_SNV	40	158	2
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	11	46	0
nonsynonymous_SNV	167	716	245
nonsynonymous_SNV	40	161	2
nonsynonymous_SNV	184	727	28

nonsynonymous_SNV	11	45	0
nonsynonymous_SNV	83	389	7
nonframeshift_deletion	4	17	0
nonsynonymous_SNV	77	428	3
nonsynonymous_SNV	27	87	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	51	215	2
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	27	87	0
nonsynonymous_SNV	88	434	9
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	197	920	82
nonsynonymous_SNV	63	294	3
nonsynonymous_SNV	71	308	3
nonsynonymous_SNV	17	67	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	10	78	1
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	44	263	2
nonsynonymous_SNV	47	214	1
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	189	838	209
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	186	789	35
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	161	709	26
nonsynonymous_SNV	98	404	7
nonsynonymous_SNV	86	362	6
nonsynonymous_SNV	86	361	6
nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	128	525	10

nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	31	143	1
nonsynonymous_SNV	27	132	1
nonsynonymous_SNV	92	415	11
nonsynonymous_SNV	175	739	28
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	21	94	0
nonsynonymous_SNV	14	70	2
nonsynonymous_SNV	79	407	9
nonsynonymous_SNV	129	625	17
nonsynonymous_SNV	33	95	0
nonsynonymous_SNV	221	936	84
nonsynonymous_SNV	21	101	0
nonsynonymous_SNV	7	25	1
nonsynonymous_SNV	131	582	14
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	21	1
nonsynonymous_SNV	14	73	0
nonsynonymous_SNV	14	73	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	31	175	1
nonsynonymous_SNV	119	578	10
frameshift_deletion	2	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	174	696	26
nonsynonymous_SNV	111	491	7
nonsynonymous_SNV	183	754	228
nonsynonymous_SNV	57	221	3
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	177	760	39
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	93	429	5
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	12	47	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	22	94	415
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	5	0

nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	37	179	0
nonsynonymous_SNV	4	21	433
nonsynonymous_SNV	59	266	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	7	43	0
nonsynonymous_SNV	9	63	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	47	210	1
nonsynonymous_SNV	95	450	7
nonsynonymous_SNV	99	423	5
nonsynonymous_SNV	112	548	16
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	9	36	0
nonsynonymous_SNV	42	130	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	3	28	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	0	21	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	14	44	1
nonsynonymous_SNV	31	164	2
nonsynonymous_SNV	12	69	0
nonsynonymous_SNV	114	505	11
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	199	955	101
nonsynonymous_SNV	181	943	161
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	35	153	0
nonsynonymous_SNV	11	69	1
nonsynonymous_SNV	200	956	101
stopgain	1	27	0
nonsynonymous_SNV	204	939	86
nonsynonymous_SNV	2	22	1
nonsynonymous_SNV	90	470	13

nonsynonymous_SNV	209	937	142
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	9	35	0
frameshift_insertion	0	5	0
frameshift_deletion	0	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	47	227	2
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	15	49	0
nonframeshift_deletion	2	5	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	16	75	1
nonsynonymous_SNV	61	262	2
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	199	889	77
nonsynonymous_SNV	212	948	109
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	119	539	11
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	232	981	91
nonsynonymous_SNV	40	144	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	14	56	0
nonsynonymous_SNV	73	302	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	223	978	107
stopgain	3	3	0
nonsynonymous_SNV	73	299	1
nonsynonymous_SNV	5	39	0
nonsynonymous_SNV	192	952	177
nonsynonymous_SNV	11	33	0
nonsynonymous_SNV	103	471	7
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	38	190	2
nonsynonymous_SNV	2	5	0

nonsynonymous_SNV	218	896	86
nonsynonymous_SNV	15	50	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	24	78	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	59	206	1
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	6	19	0
nonsynonymous_SNV	143	637	17
nonsynonymous_SNV	7	9	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	186	896	54
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	12	62	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	18	122	419
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	128	558	12
nonsynonymous_SNV	66	192	2
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	208	970	103
nonsynonymous_SNV	80	359	5
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	26	153	1
nonsynonymous_SNV	84	356	6
nonframeshift_deletion	199	943	87
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	32	187	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	32	178	1
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	27	128	1
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	172	862	54
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	40	133	0

nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	67	261	2
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	10	39	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	62	274	2
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	17	82	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	38	226	1
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	11	48	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	133	664	34
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	167	704	22
nonsynonymous_SNV	34	183	3
nonsynonymous_SNV	97	450	11
nonsynonymous_SNV	5	42	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	6	0
splicing	3	44	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	206	869	61
nonsynonymous_SNV	5	36	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	205	863	62
nonsynonymous_SNV	110	495	13

nonsynonymous_SNV	150	689	19
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	149	687	19
nonsynonymous_SNV	85	368	9
nonsynonymous_SNV	196	871	65
nonsynonymous_SNV	197	868	67
nonsynonymous_SNV	212	884	165
nonsynonymous_SNV	212	884	165
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	8	25	0
stopgain	1	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	212	953	115
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	174	782	32
nonsynonymous_SNV	19	77	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	26	132	0
nonsynonymous_SNV	245	935	95
nonsynonymous_SNV	0	11	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	13	52	1
nonsynonymous_SNV	13	45	0
nonsynonymous_SNV	4	16	0
frameshift_deletion	2	5	0
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	18	91	1
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	216	938	114
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	40	193	1
nonsynonymous_SNV	3	31	0
nonsynonymous_SNV	13	58	1
nonsynonymous_SNV	7	20	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	8	0

nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	4	48	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	17	47	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	12	45	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	10	62	0
nonframeshift_deletion	2	4	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	5	7	0
nonsynonymous_SNV	15	61	0
nonsynonymous_SNV	148	645	14
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	24	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	31	0
nonframeshift_insertion	1	12	0
nonsynonymous_SNV	10	54	0
nonsynonymous_SNV	13	46	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	112	527	17
nonsynonymous_SNV	5	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	43	169	2
frameshift_insertion	81	336	4
nonsynonymous_SNV	140	556	14
nonsynonymous_SNV	0	5	0
frameshift_insertion	2	4	0
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	41	163	2

nonframeshift_deletion	1	4	0
nonframeshift_insertion	58	355	5
nonsynonymous_SNV	11	30	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	78	329	2
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	49	169	2
nonsynonymous_SNV	5	20	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	7	10	0
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	17	63	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	9	63	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	13	60	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	15	65	0
nonsynonymous_SNV	12	59	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	25	148	1
nonsynonymous_SNV	6	38	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	212	956	85
nonsynonymous_SNV	197	839	33
nonsynonymous_SNV	191	818	53
nonsynonymous_SNV	35	104	1
nonsynonymous_SNV	8	29	1
nonsynonymous_SNV	210	977	125
nonsynonymous_SNV	50	214	3

nonsynonymous_SNV	215	956	107
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	30	148	1
nonsynonymous_SNV	5	10	0
nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	15	54	0
nonsynonymous_SNV	69	285	2
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	10	64	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	20	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	12	59	0
nonsynonymous_SNV	64	253	5
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	72	328	5
nonsynonymous_SNV	12	42	1
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	16	50	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	21	96	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	211	919	77
nonsynonymous_SNV	3	25	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	27	167	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	7	25	1
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	107	528	11
nonsynonymous_SNV	206	920	129
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	114	592	19
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	42	1

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	3	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	21	117	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	11	35	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	11	56	2
nonsynonymous_SNV	9	57	0
nonsynonymous_SNV	9	57	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	20	146	2
nonsynonymous_SNV	7	65	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	1	26	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	48	220	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	73	280	6
nonsynonymous_SNV	46	172	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	31	99	2
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	6	13	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	3	10	0
nonframeshift_insertion	74	396	6
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	111	489	6
nonsynonymous_SNV	12	39	0
nonsynonymous_SNV	15	73	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	98	450	3
nonsynonymous_SNV	4	19	0
frameshift_deletion	3	14	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	21	134	1
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	50	223	2
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	173	711	31
nonsynonymous_SNV	193	833	49
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	11	47	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	229	940	89
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	125	538	18
nonsynonymous_SNV	31	173	2
nonsynonymous_SNV	138	549	15
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	142	565	16
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	157	640	18
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	4	26	0
nonsynonymous_SNV	136	550	14
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	140	552	15
nonsynonymous_SNV	16	105	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	16	105	0
stopgain	1	4	0
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	31	0
stopgain	2	5	0
nonsynonymous_SNV	0	7	0

nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	3	16	1
nonframeshift_deletion	5	3	0
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	173	851	65
nonframeshift_deletion	202	855	171
nonsynonymous_SNV	109	429	9
nonsynonymous_SNV	9	42	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	205	930	108
nonsynonymous_SNV	20	49	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	190	892	184
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	60	185	1
nonsynonymous_SNV	205	885	81
nonsynonymous_SNV	168	771	215
nonsynonymous_SNV	2	4	0
nonframeshift_deletion	2	5	0
nonsynonymous_SNV	213	929	122
nonsynonymous_SNV	6	35	0
nonsynonymous_SNV	4	27	0
frameshift_deletion	0	12	0
nonsynonymous_SNV	8	22	0
frameshift_insertion	3	14	0
stopgain	7	42	0
nonsynonymous_SNV	18	77	1
nonsynonymous_SNV	7	42	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	7	45	0
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0

nonsynonymous_SNV	59	252	1
nonsynonymous_SNV	11	35	0
nonsynonymous_SNV	41	201	395
nonsynonymous_SNV	17	88	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	11	60	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	204	899	60
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	42	164	394
nonsynonymous_SNV	99	443	14
nonsynonymous_SNV	50	184	1
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	21	72	1
nonsynonymous_SNV	11	66	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	4	1
nonsynonymous_SNV	21	90	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	36	150	0
nonsynonymous_SNV	39	161	1
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	18	66	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	42	179	1
nonsynonymous_SNV	77	329	5
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	144	600	21
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	64	341	3
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	7	22	0

nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	153	589	18
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	150	588	18
nonsynonymous_SNV	151	585	18
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	3	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	140	660	17
nonsynonymous_SNV	165	717	243
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	137	662	17
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	168	757	233
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	18	104	1
nonsynonymous_SNV	19	69	0
nonsynonymous_SNV	14	81	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	60	300	5
nonsynonymous_SNV	17	75	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	2	10	1
nonsynonymous_SNV	92	441	7
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	30	0
nonsynonymous_SNV	173	787	216
nonsynonymous_SNV	8	46	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	12	35	0
nonsynonymous_SNV	6	74	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	2	7	0
nonframeshift_insertion	3	14	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	46	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	48	190	2
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	200	907	51
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	139	633	14
nonframeshift_deletion	0	7	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	95	369	8
nonsynonymous_SNV	4	44	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	6	31	0
nonsynonymous_SNV	83	358	4
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	88	364	6
nonsynonymous_SNV	7	31	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	93	485	7
nonsynonymous_SNV	127	568	18
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	30	160	0
nonsynonymous_SNV	42	205	0
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	217	913	80
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	5	23	0
nonsynonymous_SNV	3	7	0
nonframeshift_deletion	2	3	0
nonsynonymous_SNV	131	713	23
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	2	5	0

nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	135	620	280
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	20	101	0
nonsynonymous_SNV	54	229	3
nonsynonymous_SNV	186	924	182
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	202	949	84
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	102	482	325
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	25	144	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	53	178	1
nonsynonymous_SNV	10	30	427
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	40	179	2
nonsynonymous_SNV	206	829	193
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	12	40	1
nonsynonymous_SNV	7	18	0
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	6	10	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	208	943	158
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	34	92	1
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	0	5	0

nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	41	185	1
nonsynonymous_SNV	41	185	1
nonsynonymous_SNV	4	1	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	18	96	1
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	122	593	19
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	5	27	0
nonsynonymous_SNV	0	15	0
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	216	920	126
frameshift_insertion	0	9	0
nonsynonymous_SNV	5	51	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	23	115	0
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	14	36	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	23	115	0
nonframeshift_insertion	2	3	1
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	5	55	0
nonsynonymous_SNV	30	101	0
frameshift_insertion	3	20	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	15	56	0
nonsynonymous_SNV	15	57	0
nonsynonymous_SNV	7	44	0
nonsynonymous_SNV	21	92	1
nonsynonymous_SNV	13	82	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	31	165	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	219	919	119
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	44	149	0

nonsynonymous_SNV	10	40	0
frameshift_deletion	1	5	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	43	179	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	19	97	0
nonsynonymous_SNV	18	81	0
nonframeshift_insertion	19	83	0
nonsynonymous_SNV	13	39	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	16	81	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	16	73	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	10	40	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	10	40	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	24	97	0
nonsynonymous_SNV	190	797	213
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	46	215	390
nonsynonymous_SNV	4	28	0
nonsynonymous_SNV	65	332	3
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	61	317	3
nonsynonymous_SNV	13	33	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	45	212	391
nonsynonymous_SNV	58	286	371
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	17	83	0
nonsynonymous_SNV	23	119	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	19	88	415
nonsynonymous_SNV	4	20	0

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	41	263	392
nonsynonymous_SNV	21	75	0
nonsynonymous_SNV	59	283	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	156	717	25
nonsynonymous_SNV	128	501	8
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	108	454	6
nonsynonymous_SNV	13	60	1
nonsynonymous_SNV	185	815	37
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	10	29	0
nonsynonymous_SNV	199	856	189
nonsynonymous_SNV	25	180	1
nonsynonymous_SNV	167	779	27
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	9	33	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	21	86	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	41	142	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	49	219	1
nonsynonymous_SNV	4	18	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	45	196	2
nonsynonymous_SNV	127	593	20
nonsynonymous_SNV	11	49	0
nonsynonymous_SNV	52	261	0
nonsynonymous_SNV	1	4	0
nonframeshift_deletion	3	12	0
frameshift_deletion	3	12	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	69	303	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	11	29	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	152	594	22

nonsynonymous_SNV	6	50	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	30	114	0
nonsynonymous_SNV	11	22	0
nonsynonymous_SNV	17	45	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	211	907	50
nonsynonymous_SNV	113	533	12
nonsynonymous_SNV	229	912	50
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	50	250	1
nonsynonymous_SNV	6	38	0
nonsynonymous_SNV	60	205	4
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	53	210	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	24	100	2
nonsynonymous_SNV	15	72	0
nonsynonymous_SNV	16	113	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	3	17	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	40	0
nonsynonymous_SNV	118	495	6
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	200	931	69
nonsynonymous_SNV	160	730	19
nonsynonymous_SNV	9	51	0
nonsynonymous_SNV	137	607	13
nonsynonymous_SNV	223	940	86
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	13	0

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	81	328	351
nonsynonymous_SNV	66	278	2
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	73	289	4
nonsynonymous_SNV	1	22	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	16	54	0
nonframeshift_deletion	2	15	0
nonsynonymous_SNV	18	131	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	74	261	355
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	70	257	5
frameshift_insertion	1	4	0
nonsynonymous_SNV	179	778	215
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	95	414	4
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	156	587	15
nonsynonymous_SNV	158	612	17
nonsynonymous_SNV	150	561	14
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	9	42	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	8	39	0
nonsynonymous_SNV	4	16	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	85	426	6
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	9	59	0
splicing	9	31	0
nonsynonymous_SNV	2	21	0
nonsynonymous_SNV	23	100	0

nonsynonymous_SNV	221	909	108
nonsynonymous_SNV	183	870	65
nonsynonymous_SNV	25	91	1
nonsynonymous_SNV	10	45	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	137	607	276
nonsynonymous_SNV	83	374	5
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	148	828	40
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	8	16	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	11	51	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	84	378	5
nonsynonymous_SNV	9	58	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	12	63	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	123	652	17
nonsynonymous_SNV	10	30	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	146	656	270
stopgain	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	19	72	1
nonsynonymous_SNV	172	766	40
nonsynonymous_SNV	56	248	1
nonsynonymous_SNV	184	892	60
nonsynonymous_SNV	36	178	398
nonsynonymous_SNV	4	17	0
splicing	1	6	0
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	3	16	0

nonsynonymous_SNV	43	210	2
nonsynonymous_SNV	4	2	0
nonsynonymous_SNV	136	663	268
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	16	50	0
nonsynonymous_SNV	15	70	1
nonsynonymous_SNV	114	531	11
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	21	81	0
nonsynonymous_SNV	7	31	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	99	432	4
nonsynonymous_SNV	9	17	0
splicing	2	3	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	80	380	2
nonsynonymous_SNV	85	373	5
nonsynonymous_SNV	218	958	120
nonsynonymous_SNV	5	35	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	177	714	19
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	6	17	1
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	14	57	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	33	129	3
nonsynonymous_SNV	6	23	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	60	329	4
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	166	678	27
nonsynonymous_SNV	11	65	0
nonsynonymous_SNV	23	135	1
frameshift_deletion	0	8	0
nonsynonymous_SNV	174	830	26
nonsynonymous_SNV	34	198	1
nonsynonymous_SNV	214	943	114

nonsynonymous_SNV	11	62	0
stopgain	3	6	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	10	17	0
nonsynonymous_SNV	6	16	1
nonsynonymous_SNV	215	889	141
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	29	109	0
nonsynonymous_SNV	217	886	139
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	226	888	132
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	22	92	0
frameshift_deletion	179	745	210
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	211	859	157
nonsynonymous_SNV	67	330	369
nonsynonymous_SNV	45	191	2
nonsynonymous_SNV	35	168	1
nonsynonymous_SNV	42	184	5
stopgain	3	10	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	35	189	0
nonsynonymous_SNV	58	301	2
nonsynonymous_SNV	145	633	17
nonsynonymous_SNV	16	35	0
nonsynonymous_SNV	24	79	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	75	336	8
nonsynonymous_SNV	75	336	8
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	20	71	0
nonsynonymous_SNV	9	47	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	154	678	19
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	71	283	363
nonsynonymous_SNV	5	36	0

nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	16	59	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	84	345	6
nonsynonymous_SNV	144	600	20
nonsynonymous_SNV	2	27	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	13	62	1
nonframeshift_insertion	215	966	133
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	193	782	41
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	60	275	2
nonsynonymous_SNV	202	803	37
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	168	719	25
nonsynonymous_SNV	5	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	116	445	9
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	4	0
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	2	13	0
frameshift_deletion	145	681	24
nonframeshift_deletion	3	8	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	146	681	26
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	151	657	253
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	13	0

nonsynonymous_SNV	0	4	437
nonframeshift_insertion	2	5	0
frameshift_deletion	4	26	0
nonframeshift_deletion	0	6	0
frameshift_deletion	0	8	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	174	817	204
frameshift_deletion	0	0	437
nonsynonymous_SNV	7	16	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	9	29	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	16	76	0
nonsynonymous_SNV	49	258	2
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	12	46	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	29	126	0
nonsynonymous_SNV	33	215	1
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	14	48	1
nonsynonymous_SNV	199	877	188
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	5	36	0
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	47	241	1
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	4	36	0
nonsynonymous_SNV	1	14	0
frameshift_deletion	1	7	0
nonsynonymous_SNV	194	883	58
nonsynonymous_SNV	10	27	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	90	451	339
nonsynonymous_SNV	112	459	8
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	12	74	1

nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	100	448	7
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	61	302	3
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	42	207	4
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	200	872	44
nonsynonymous_SNV	1	17	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	13	48	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	53	201	0
nonsynonymous_SNV	219	938	101
nonsynonymous_SNV	26	118	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	228	944	104
nonsynonymous_SNV	11	37	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	215	969	135
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	223	934	148
nonsynonymous_SNV	3	30	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	218	961	93
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	73	392	6
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	158	628	12

nonsynonymous_SNV	152	610	12
nonsynonymous_SNV	26	103	411
frameshift_insertion	1	4	0
nonsynonymous_SNV	216	938	129
nonframeshift_insertion	212	912	145
nonsynonymous_SNV	138	569	283
nonsynonymous_SNV	159	769	247
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	32	155	0
nonsynonymous_SNV	4	4	0
nonframeshift_insertion	2	16	0
nonsynonymous_SNV	9	37	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	192	812	32
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	39	210	0
nonsynonymous_SNV	20	104	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	3	10	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	141	662	21
nonsynonymous_SNV	12	41	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	6	36	1
nonsynonymous_SNV	29	105	408
nonsynonymous_SNV	94	541	10
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	76	429	9
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	71	315	3
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	49	120	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	8	0
nonframeshift_deletion	61	224	3
nonsynonymous_SNV	10	19	0
nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	184	733	23

nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	17	71	1
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	24	133	0
nonsynonymous_SNV	137	557	15
nonsynonymous_SNV	19	57	0
nonsynonymous_SNV	156	614	244
nonsynonymous_SNV	37	174	0
nonsynonymous_SNV	226	970	105
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	147	559	270
nonsynonymous_SNV	6	25	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	29	144	1
nonsynonymous_SNV	152	670	18
nonsynonymous_SNV	9	40	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	72	296	4
nonsynonymous_SNV	35	143	2
nonsynonymous_SNV	206	897	51
nonsynonymous_SNV	128	568	9
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	89	349	7
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	39	174	2
frameshift_deletion	1	4	0
nonsynonymous_SNV	52	225	2
nonsynonymous_SNV	170	884	198
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	26	137	1
nonsynonymous_SNV	3	29	0
nonsynonymous_SNV	131	597	20
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	8	42	0
nonsynonymous_SNV	10	29	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	11	44	0
nonsynonymous_SNV	145	581	12

nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	9	27	0
frameshift_insertion	2	10	0
stopgain	40	260	2
nonsynonymous_SNV	11	57	1
nonsynonymous_SNV	1	10	0
stopgain	69	210	6
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	90	437	336
nonsynonymous_SNV	5	34	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	145	727	38
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	224	934	144
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	11	27	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	135	585	21
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	25	97	1
nonsynonymous_SNV	51	196	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	146	595	268
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	13	69	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	143	592	267
nonsynonymous_SNV	17	72	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	6	32	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	180	693	39
nonsynonymous_SNV	76	334	8
nonsynonymous_SNV	2	4	0
stopgain	48	168	2
nonsynonymous_SNV	1	8	0

nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	6	41	0
nonsynonymous_SNV	77	365	4
nonsynonymous_SNV	2	2	0
nonsynonymous_SNV	22	100	1
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	138	606	13
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	42	187	2
nonsynonymous_SNV	2	3	0
nonframeshift_deletion	0	9	0
frameshift_deletion	0	9	0
nonsynonymous_SNV	9	14	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	6	7	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	46	237	3
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	7	0
stoploss	14	46	0
nonsynonymous_SNV	150	784	29
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	47	197	388
nonsynonymous_SNV	6	37	0
nonsynonymous_SNV	5	32	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	15	34	0
nonsynonymous_SNV	186	818	211
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	172	732	236
nonsynonymous_SNV	178	806	40

nonsynonymous_SNV	178	806	40
nonsynonymous_SNV	178	806	40
nonframeshift_deletion	199	939	146
nonframeshift_deletion	38	184	0
frameshift_deletion	38	181	0
frameshift_deletion	38	181	0
nonsynonymous_SNV	2	5	0
frameshift_deletion	38	181	0
nonsynonymous_SNV	2	5	0
frameshift_deletion	38	181	0
nonsynonymous_SNV	153	710	28
nonsynonymous_SNV	175	758	232
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	38	171	2
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	213	956	125
nonsynonymous_SNV	213	956	125
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	112	524	11
nonsynonymous_SNV	97	458	12
nonsynonymous_SNV	31	129	1
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	214	955	121
nonsynonymous_SNV	77	303	6
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	9	29	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	37	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	4	34	0
nonsynonymous_SNV	142	736	29
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	93	372	8
nonsynonymous_SNV	71	263	1
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	2	5	0
nonframeshift_deletion	2	3	0

nonframeshift_insertion	6	53	0
frameshift_deletion	2	3	0
nonsynonymous_SNV	21	77	1
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	71	314	4
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	32	177	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	19	0
nonsynonymous_SNV	192	758	35
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	124	643	19
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	36	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	21	94	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	149	550	274
nonsynonymous_SNV	8	57	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	225	1009	104
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	84	366	9
nonsynonymous_SNV	5	11	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	38	145	0
nonsynonymous_SNV	95	324	2
nonsynonymous_SNV	91	293	2
nonsynonymous_SNV	88	289	4
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	191	828	201
nonsynonymous_SNV	3	2	0

nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	116	532	10
nonsynonymous_SNV	52	263	1
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	18	0
nonsynonymous_SNV	5	30	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	59	312	5
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	53	232	1
nonsynonymous_SNV	80	402	7
nonsynonymous_SNV	80	401	350
nonsynonymous_SNV	88	444	7
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	85	407	7
nonsynonymous_SNV	3	35	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	3	15	0
nonsynonymous_SNV	105	454	7
nonsynonymous_SNV	59	283	3
nonsynonymous_SNV	59	283	3
nonsynonymous_SNV	53	207	1
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	4	17	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	58	283	3
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	51	225	2
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	192	958	143
nonsynonymous_SNV	53	234	2
nonsynonymous_SNV	212	875	180
nonsynonymous_SNV	9	43	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	165	666	18
nonsynonymous_SNV	62	288	4
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	15	47	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	44	206	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	19	103	0
nonsynonymous_SNV	19	102	0
stopgain	206	904	64
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	204	834	55
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	94	402	6
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	137	643	23
nonsynonymous_SNV	24	94	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	129	608	19
nonsynonymous_SNV	9	30	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	107	417	4
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	17	54	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	10	24	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	18	103	1
nonsynonymous_SNV	2	3	0

nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	10	78	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	79	355	8
nonsynonymous_SNV	4	4	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	20	69	0
nonsynonymous_SNV	0	17	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	190	847	45
nonsynonymous_SNV	6	18	0
nonsynonymous_SNV	47	228	389
nonsynonymous_SNV	48	180	5
nonsynonymous_SNV	3	13	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	10	30	0
nonsynonymous_SNV	7	22	0
nonsynonymous_SNV	8	40	0
nonsynonymous_SNV	51	172	2
nonsynonymous_SNV	4	23	0
stopgain	24	128	0
nonsynonymous_SNV	198	912	154
nonsynonymous_SNV	3	2	0
nonsynonymous_SNV	203	929	58
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	31	0
nonsynonymous_SNV	133	584	10
nonsynonymous_SNV	43	213	1
nonsynonymous_SNV	36	120	1
nonsynonymous_SNV	10	40	0
nonsynonymous_SNV	19	59	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	220	976	113
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	63	245	4
nonsynonymous_SNV	16	80	0
nonsynonymous_SNV	63	244	4
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	63	245	4
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	5	33	0
nonsynonymous_SNV	10	20	0
nonsynonymous_SNV	8	25	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	63	289	6
nonsynonymous_SNV	101	426	8
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	8	38	0
nonsynonymous_SNV	2	22	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	141	594	14
nonsynonymous_SNV	15	74	0
nonsynonymous_SNV	3	27	0
nonsynonymous_SNV	24	110	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	50	219	3
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	203	860	56
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	5	12	0
nonsynonymous_SNV	5	13	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	103	444	324
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	9	40	1
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	53	195	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	24	0
nonsynonymous_SNV	37	194	2
frameshift_insertion	11	25	1

nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	17	70	0
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	6	17	0
nonsynonymous_SNV	56	262	2
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	0	10	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	12	47	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	6	56	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	72	410	6
nonsynonymous_SNV	24	111	0
nonsynonymous_SNV	10	29	0
nonsynonymous_SNV	8	13	0
stopgain	7	19	0
nonsynonymous_SNV	137	574	12
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	80	308	2
nonsynonymous_SNV	4	11	0
nonsynonymous_SNV	6	22	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	79	306	3
nonsynonymous_SNV	73	245	5
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	1	21	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	14	43	0
nonsynonymous_SNV	116	624	18
nonsynonymous_SNV	125	547	12
nonsynonymous_SNV	142	588	20
nonsynonymous_SNV	127	538	12
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	11	58	1
nonsynonymous_SNV	18	57	0
nonsynonymous_SNV	14	115	0
nonsynonymous_SNV	18	57	0
nonsynonymous_SNV	146	657	18

nonsynonymous_SNV	18	57	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	8	49	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	6	19	1
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	5	25	0
nonsynonymous_SNV	35	159	0
nonsynonymous_SNV	92	397	10
nonframeshift_deletion	4	28	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	15	99	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	95	400	10
nonsynonymous_SNV	51	202	4
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	86	369	350
nonsynonymous_SNV	184	817	203
nonsynonymous_SNV	185	817	202
nonsynonymous_SNV	184	815	203
nonsynonymous_SNV	184	819	203
nonsynonymous_SNV	184	819	203
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	186	824	201
nonsynonymous_SNV	186	825	201
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	186	817	202
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	44	163	0
nonsynonymous_SNV	31	136	1
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	42	195	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	111	481	13
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	212	976	122
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	9	0

nonsynonymous_SNV	111	510	312
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	17	42	0
nonsynonymous_SNV	10	52	0
nonsynonymous_SNV	90	380	9
nonsynonymous_SNV	202	972	123
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	169	810	225
nonsynonymous_SNV	14	57	1
nonsynonymous_SNV	2	16	0
stopgain	1	13	0
nonsynonymous_SNV	64	325	371
nonsynonymous_SNV	4	16	1
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	97	411	8
nonsynonymous_SNV	133	559	12
frameshift_deletion	3	10	0
nonsynonymous_SNV	27	114	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	37	97	0
frameshift_deletion	2	4	0
splicing	2	17	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	18	85	0
nonsynonymous_SNV	19	86	0
nonsynonymous_SNV	6	21	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	70	249	2
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	12	76	1
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	19	82	0
nonsynonymous_SNV	54	208	2
nonsynonymous_SNV	9	20	0
nonsynonymous_SNV	1	5	1

nonsynonymous_SNV	20	68	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	8	56	0
nonsynonymous_SNV	181	806	27
nonsynonymous_SNV	17	112	1
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	14	42	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	1	3	0
nonsynonymous_SNV	0	5	0
splicing	3	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	25	120	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	2	24	0
nonframeshift_insertion	1	5	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	154	633	16
nonsynonymous_SNV	64	297	371
nonsynonymous_SNV	204	898	151
frameshift_deletion	1	5	0
nonsynonymous_SNV	14	44	0
nonsynonymous_SNV	11	51	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	44	150	0
nonsynonymous_SNV	16	57	0
nonsynonymous_SNV	6	27	0
nonsynonymous_SNV	53	229	1
nonsynonymous_SNV	208	849	168
stopgain	1	7	0
nonsynonymous_SNV	5	2	0
nonsynonymous_SNV	11	36	0
nonsynonymous_SNV	11	37	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	154	610	18
nonsynonymous_SNV	212	959	96
nonsynonymous_SNV	3	15	0

nonsynonymous_SNV	17	50	420
nonsynonymous_SNV	18	53	418
nonsynonymous_SNV	155	704	16
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	55	247	3
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	195	795	195
nonsynonymous_SNV	43	142	0
nonsynonymous_SNV	9	63	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	7	34	0
nonsynonymous_SNV	119	543	9
nonsynonymous_SNV	4	24	0
nonsynonymous_SNV	30	119	0
nonsynonymous_SNV	4	30	0
nonsynonymous_SNV	14	69	0
nonsynonymous_SNV	21	91	0
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	155	661	35
nonsynonymous_SNV	66	313	3
nonsynonymous_SNV	50	225	382
nonsynonymous_SNV	51	225	381
nonsynonymous_SNV	75	359	355
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	47	0
nonsynonymous_SNV	2	15	1
nonsynonymous_SNV	77	382	351
nonsynonymous_SNV	1	5	0
frameshift_deletion	0	6	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	23	75	1
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	2	14	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	14	0
nonsynonymous_SNV	54	177	1
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	8	40	1
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	4	17	0

nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	9	45	0
nonsynonymous_SNV	4	10	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	3	26	0
nonsynonymous_SNV	7	41	0
nonsynonymous_SNV	35	118	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	4	23	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	117	578	13
nonsynonymous_SNV	96	435	10
nonsynonymous_SNV	4	19	0
nonsynonymous_SNV	16	47	0
stopgain	6	45	1
nonsynonymous_SNV	7	53	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	102	522	12
nonsynonymous_SNV	148	694	26
nonsynonymous_SNV	221	969	104
nonsynonymous_SNV	7	25	0
nonsynonymous_SNV	5	14	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	47	196	3
frameshift_insertion	1	35	0
frameshift_insertion	3	6	0
frameshift_insertion	1	28	0
stopgain	3	4	0
frameshift_insertion	3	5	0
nonframeshift_insertion	1	7	0
nonsynonymous_SNV	23	102	0
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	5	31	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	52	272	3
nonsynonymous_SNV	52	277	3
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	9	0

nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	7	40	0
nonsynonymous_SNV	55	272	3
nonsynonymous_SNV	7	42	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	5	52	0
nonsynonymous_SNV	167	721	31
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	6	52	0
nonsynonymous_SNV	43	184	393
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	170	725	27
nonsynonymous_SNV	9	84	0
nonsynonymous_SNV	6	5	0
nonsynonymous_SNV	210	918	158
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	129	633	23
nonsynonymous_SNV	187	832	45
nonsynonymous_SNV	15	75	0
nonsynonymous_SNV	14	73	1
nonsynonymous_SNV	15	85	2
nonsynonymous_SNV	149	673	34
nonsynonymous_SNV	149	673	34
nonsynonymous_SNV	17	87	1
nonsynonymous_SNV	4	20	0
nonsynonymous_SNV	16	85	1
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	208	826	52
nonsynonymous_SNV	14	43	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	28	176	0
nonsynonymous_SNV	5	24	0
nonsynonymous_SNV	217	932	145
nonsynonymous_SNV	94	376	7
nonsynonymous_SNV	38	179	1
nonsynonymous_SNV	0	6	0

nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	2	14	0
frameshift_deletion	2	13	0
nonsynonymous_SNV	6	41	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	172	850	36
nonsynonymous_SNV	13	93	0
nonsynonymous_SNV	5	29	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	52	226	4
stopgain	1	8	0
nonsynonymous_SNV	64	232	4
nonsynonymous_SNV	46	201	0
nonsynonymous_SNV	8	19	0
nonsynonymous_SNV	136	651	281
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	30	79	0
nonsynonymous_SNV	4	8	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	5	28	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	21	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	46	181	390
nonsynonymous_SNV	65	249	2
nonsynonymous_SNV	15	61	2
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	207	943	99
nonsynonymous_SNV	45	180	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	47	185	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	2	12	0

nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	147	655	35
nonsynonymous_SNV	63	240	2
nonsynonymous_SNV	12	51	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	147	657	35
nonsynonymous_SNV	19	58	0
nonsynonymous_SNV	21	128	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	38	135	0
nonsynonymous_SNV	21	67	2
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	24	71	2
nonsynonymous_SNV	89	331	5
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	47	266	0
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	47	265	0
nonsynonymous_SNV	47	268	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	219	941	83
nonsynonymous_SNV	8	20	0
nonsynonymous_SNV	20	94	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	3	11	0
nonframeshift_deletion	1	4	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	6	50	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	6	0
frameshift_deletion	3	47	0
stopgain	7	54	0
nonsynonymous_SNV	22	140	0
nonsynonymous_SNV	13	81	0
nonsynonymous_SNV	31	177	3
nonsynonymous_SNV	199	939	123
nonsynonymous_SNV	64	265	3
nonsynonymous_SNV	15	66	0
nonsynonymous_SNV	2	5	0

nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	69	337	4
nonsynonymous_SNV	122	642	24
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	15	37	0
nonsynonymous_SNV	210	880	167
nonsynonymous_SNV	57	238	2
nonsynonymous_SNV	233	983	82
nonsynonymous_SNV	48	190	2
nonsynonymous_SNV	86	325	4
nonsynonymous_SNV	213	869	171
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	3	11	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	7	23	0
nonsynonymous_SNV	0	14	0
nonsynonymous_SNV	21	68	0
nonsynonymous_SNV	18	90	0
nonsynonymous_SNV	7	36	0
nonsynonymous_SNV	197	836	37
nonsynonymous_SNV	171	796	33
nonsynonymous_SNV	197	841	41
nonsynonymous_SNV	1	10	0
nonsynonymous_SNV	48	193	2
nonsynonymous_SNV	6	10	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	134	526	289
splicing	79	373	5
nonsynonymous_SNV	0	0	437
nonsynonymous_SNV	60	272	4
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	142	594	278
nonsynonymous_SNV	4	6	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	151	613	22
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	10	0

nonsynonymous_SNV	3	13	1
nonsynonymous_SNV	5	39	1
nonsynonymous_SNV	136	629	281
nonsynonymous_SNV	181	801	205
nonsynonymous_SNV	8	26	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	118	533	305
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	13	69	0
nonsynonymous_SNV	37	143	0
nonsynonymous_SNV	18	87	0
nonsynonymous_SNV	19	75	0
frameshift_deletion	3	14	0
nonsynonymous_SNV	56	265	4
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	40	178	1
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	4	39	0
nonsynonymous_SNV	212	929	138
nonsynonymous_SNV	7	27	0
nonsynonymous_SNV	213	938	58
nonsynonymous_SNV	134	566	17
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	12	54	1
nonsynonymous_SNV	4	13	0
nonsynonymous_SNV	132	559	15
nonsynonymous_SNV	153	658	26
nonsynonymous_SNV	210	905	78
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	2	17	0
nonframeshift_deletion	16	66	1
nonframeshift_deletion	187	906	130
nonsynonymous_SNV	12	65	1
nonsynonymous_SNV	4	22	0
nonsynonymous_SNV	7	33	0

nonsynonymous_SNV	203	916	146
nonsynonymous_SNV	3	14	0
nonframeshift_deletion	209	924	74
nonsynonymous_SNV	41	162	1
nonsynonymous_SNV	15	101	1
nonsynonymous_SNV	209	924	74
nonsynonymous_SNV	10	48	0
nonsynonymous_SNV	210	921	73
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	44	186	391
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	0	8	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	8	24	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	209	952	123
nonsynonymous_SNV	209	795	43
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	2	20	0
nonsynonymous_SNV	3	20	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	15	45	0
nonsynonymous_SNV	1	25	1
nonsynonymous_SNV	164	658	24
nonsynonymous_SNV	23	78	0
nonsynonymous_SNV	24	111	1
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	193	764	206
nonsynonymous_SNV	66	367	3
splicing	6	29	0
nonsynonymous_SNV	2	5	0
nonframeshift_deletion	191	803	48
nonframeshift_deletion	191	803	48
frameshift_deletion	188	785	45
frameshift_deletion	188	782	45
nonframeshift_insertion	194	851	51
nonsynonymous_SNV	22	136	2
nonframeshift_insertion	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	1	4	0

nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	4	7	0
nonsynonymous_SNV	2	11	0
nonsynonymous_SNV	166	804	46
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	8	19	0
nonframeshift_deletion	4	5	0
nonsynonymous_SNV	21	68	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	9	31	0
nonsynonymous_SNV	77	386	4
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	21	67	0
nonsynonymous_SNV	76	373	4
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	3	9	0
nonsynonymous_SNV	0	5	0
nonframeshift_deletion	3	10	0
nonsynonymous_SNV	1	5	0
frameshift_deletion	3	10	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	7	35	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	2	28	0
nonsynonymous_SNV	21	119	2
frameshift_deletion	0	8	0
nonframeshift_deletion	182	804	47
nonsynonymous_SNV	153	745	41
nonsynonymous_SNV	189	935	99
nonsynonymous_SNV	203	912	97
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	7	26	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	2	5	0
nonframeshift_insertion	203	874	191
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	2	7	0
nonsynonymous_SNV	7	30	1
nonsynonymous_SNV	2	13	0
nonsynonymous_SNV	6	28	0
nonsynonymous_SNV	4	22	0

nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	5	21	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	4	31	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	17	89	1
nonsynonymous_SNV	9	55	0
nonsynonymous_SNV	1	4	0
frameshift_deletion	5	22	0
nonsynonymous_SNV	50	186	0
nonsynonymous_SNV	6	34	0
nonsynonymous_SNV	177	786	30
nonsynonymous_SNV	3	12	0
nonsynonymous_SNV	7	47	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	197	898	75
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	210	907	182
nonsynonymous_SNV	3	14	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	67	0
nonsynonymous_SNV	5	8	0
frameshift_insertion	0	18	0
nonsynonymous_SNV	10	31	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	3	44	0
nonsynonymous_SNV	2	23	0
nonsynonymous_SNV	4	21	0
nonsynonymous_SNV	167	760	34
nonframeshift_deletion	4	6	0
frameshift_deletion	4	6	0
nonsynonymous_SNV	24	108	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	0	12	0
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	22	99	2
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	6	0

nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	39	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	7	21	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	175	764	40
nonsynonymous_SNV	0	7	0
stopgain	176	759	28
nonsynonymous_SNV	141	646	16
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	213	945	101
nonsynonymous_SNV	200	879	190
nonsynonymous_SNV	3	19	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	157	698	25
nonsynonymous_SNV	7	12	0
nonsynonymous_SNV	203	894	51
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	151	616	13
nonsynonymous_SNV	69	310	4
nonframeshift_deletion	1	5	0
frameshift_deletion	1	5	0
nonframeshift_deletion	2	9	0
nonsynonymous_SNV	14	51	1
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	28	99	0
nonsynonymous_SNV	93	447	7
nonsynonymous_SNV	37	146	0
nonsynonymous_SNV	18	65	0
frameshift_deletion	4	14	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	105	477	11
nonsynonymous_SNV	7	49	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	181	894	53
nonsynonymous_SNV	16	68	0
nonsynonymous_SNV	15	51	0
nonsynonymous_SNV	26	104	0

nonsynonymous_SNV	3	10	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	2	15	0
nonsynonymous_SNV	9	33	1
nonsynonymous_SNV	191	806	192
nonsynonymous_SNV	8	14	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	203	821	183
nonsynonymous_SNV	164	706	18
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	167	703	21
nonsynonymous_SNV	70	320	0
nonsynonymous_SNV	73	378	1
nonsynonymous_SNV	88	379	6
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	189	820	202
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	8	34	0
nonsynonymous_SNV	158	801	230
nonsynonymous_SNV	2	16	0
nonsynonymous_SNV	2	19	0
nonsynonymous_SNV	11	24	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	117	517	6
nonsynonymous_SNV	50	194	1
nonsynonymous_SNV	6	33	0
nonsynonymous_SNV	3	5	0
nonsynonymous_SNV	6	29	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	38	145	0
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	94	455	5
nonsynonymous_SNV	226	963	87
nonsynonymous_SNV	54	224	2
nonsynonymous_SNV	12	66	0
nonsynonymous_SNV	10	59	0
nonsynonymous_SNV	10	34	0
nonsynonymous_SNV	203	890	68
nonsynonymous_SNV	12	76	0
nonsynonymous_SNV	12	77	0

nonsynonymous_SNV	4	5	0
nonsynonymous_SNV	89	331	4
nonsynonymous_SNV	72	312	2
nonsynonymous_SNV	105	440	6
nonsynonymous_SNV	139	637	19
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	38	0
nonsynonymous_SNV	199	901	142
nonsynonymous_SNV	199	911	138
nonsynonymous_SNV	181	896	71
nonsynonymous_SNV	146	672	264
nonsynonymous_SNV	1	16	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	16	74	2
nonframeshift_deletion	9	107	0
frameshift_deletion	9	104	0
nonsynonymous_SNV	8	23	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	5	16	0
nonsynonymous_SNV	10	28	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	3	7	0
nonsynonymous_SNV	8	21	0
nonsynonymous_SNV	6	11	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	7	29	0
nonsynonymous_SNV	111	551	14
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	7	24	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	3	16	0
nonsynonymous_SNV	1	11	0
nonsynonymous_SNV	101	537	12
nonsynonymous_SNV	77	398	7
nonsynonymous_SNV	19	106	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	184	761	42
nonsynonymous_SNV	187	745	38

nonsynonymous_SNV	50	223	2
nonsynonymous_SNV	236	952	103
nonsynonymous_SNV	102	397	7
nonsynonymous_SNV	119	484	12
nonsynonymous_SNV	1	30	0
nonsynonymous_SNV	1	13	436
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	14	90	0
nonsynonymous_SNV	0	5	0
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	133	552	15
nonsynonymous_SNV	43	195	0
nonsynonymous_SNV	3	18	0
nonsynonymous_SNV	5	17	0
nonsynonymous_SNV	0	7	0
nonsynonymous_SNV	2	12	0
nonsynonymous_SNV	3	8	0
nonsynonymous_SNV	4	12	0
nonsynonymous_SNV	118	473	10
nonsynonymous_SNV	2	6	0
nonsynonymous_SNV	117	471	10
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	13	61	0
nonsynonymous_SNV	4	20	1
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	13	62	0
nonsynonymous_SNV	12	33	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	23	69	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	4	27	0
nonsynonymous_SNV	4	9	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	82	353	7
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	90	362	8
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	76	285	359
nonsynonymous_SNV	2	17	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	4	30	0

nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	103	485	11
nonsynonymous_SNV	161	731	33
nonsynonymous_SNV	1	14	0
nonsynonymous_SNV	1	13	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	117	526	14
nonsynonymous_SNV	53	243	2
nonsynonymous_SNV	127	539	14
nonsynonymous_SNV	120	518	14
nonsynonymous_SNV	120	517	14
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	5	26	0
nonsynonymous_SNV	24	134	2
frameshift_insertion	2	15	0
frameshift_insertion	2	15	0
nonsynonymous_SNV	11	38	0
nonsynonymous_SNV	44	231	390
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	5	15	0
nonsynonymous_SNV	24	114	2
nonsynonymous_SNV	2	9	0
nonsynonymous_SNV	6	15	0
nonsynonymous_SNV	30	138	1
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	9	32	0
nonsynonymous_SNV	1	7	0
nonsynonymous_SNV	46	254	1
nonsynonymous_SNV	2	38	0
nonsynonymous_SNV	1	5	0
nonsynonymous_SNV	3	3	0
nonsynonymous_SNV	5	8	0
nonsynonymous_SNV	0	13	0
nonsynonymous_SNV	6	20	0
nonsynonymous_SNV	71	415	5
nonsynonymous_SNV	6	9	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	7	50	1
nonsynonymous_SNV	24	125	2
frameshift_deletion	20	93	1
frameshift_deletion	63	363	3
frameshift_deletion	67	356	3
frameshift_deletion	65	353	3

nonsynonymous_SNV	28	89	0
nonsynonymous_SNV	63	367	4
nonsynonymous_SNV	63	367	4
nonsynonymous_SNV	183	690	232
nonsynonymous_SNV	210	948	119
nonsynonymous_SNV	5	22	0
nonsynonymous_SNV	8	26	0
nonsynonymous_SNV	206	938	80
nonsynonymous_SNV	6	16	0
nonsynonymous_SNV	91	404	4
nonsynonymous_SNV	154	692	34
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	154	692	34
nonsynonymous_SNV	112	514	11
nonsynonymous_SNV	153	692	34
nonsynonymous_SNV	158	684	32
nonsynonymous_SNV	14	109	0
nonsynonymous_SNV	64	362	5
nonsynonymous_SNV	4	33	433
nonsynonymous_SNV	223	981	85
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	32	144	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	11	49	2
nonsynonymous_SNV	12	45	1
nonsynonymous_SNV	14	66	0
nonsynonymous_SNV	63	227	1
nonsynonymous_SNV	7	28	0
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	8	0
nonsynonymous_SNV	18	114	1
nonsynonymous_SNV	2	5	0
nonsynonymous_SNV	27	58	2
nonsynonymous_SNV	1	12	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	3	23	0
nonsynonymous_SNV	18	89	1
nonsynonymous_SNV	196	867	171
nonsynonymous_SNV	47	206	3
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	214	941	58
nonsynonymous_SNV	162	807	41
nonsynonymous_SNV	14	53	0

nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	8	11	0
nonsynonymous_SNV	26	90	1
nonsynonymous_SNV	24	106	2
nonsynonymous_SNV	2	8	0
nonsynonymous_SNV	3	14	0
nonframeshift_deletion	70	319	5
frameshift_deletion	69	314	5
frameshift_deletion	69	312	5
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	2	10	0
nonsynonymous_SNV	13	68	0
nonsynonymous_SNV	154	699	20
nonsynonymous_SNV	5	45	0
nonsynonymous_SNV	1	15	0
nonsynonymous_SNV	0	10	0
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	12	42	1
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	1	5	0
splicing	118	483	16
nonsynonymous_SNV	2	4	0
nonsynonymous_SNV	70	283	5
nonsynonymous_SNV	45	199	1
nonsynonymous_SNV	1	6	0
nonsynonymous_SNV	37	152	1
nonsynonymous_SNV	27	87	1
nonsynonymous_SNV	0	6	0
nonsynonymous_SNV	196	844	168
nonsynonymous_SNV	18	84	0
nonsynonymous_SNV	3	22	0
nonsynonymous_SNV	0	9	0
nonsynonymous_SNV	2	3	0
nonsynonymous_SNV	1	4	0
nonsynonymous_SNV	83	374	5
nonsynonymous_SNV	35	177	1
nonsynonymous_SNV	3	6	0
nonsynonymous_SNV	1	9	0
nonsynonymous_SNV	212	957	121
nonsynonymous_SNV	90	435	5
nonsynonymous_SNV	59	286	3
nonsynonymous_SNV	19	123	0
nonsynonymous_SNV	2	4	0

<u>N_Control_Homo</u>	<u>P_value</u>	<u>Odds_ratio</u>
0	8.46E-01	0.90
0	4.38E-02	6.29
0	6.84E-01	0.69
11	2.63E-01	0.81
1731	5.52E-01	0.89
0	3.78E-01	0.45
0	9.97E-01	1.00
0	7.25E-01	1.58
0	9.89E-02	2.38
0	4.70E-02	6.03
0	7.46E-01	0.63
0	1.07E-01	2.41
60	1.06E-01	1.20
0	1.60E-01	0.14
0	5.35E-01	2.03
12	5.95E-01	0.91
645	1.78E-03	0.76
1039	3.50E-01	0.91
293	8.51E-01	0.98
1	5.58E-01	0.78
0	3.62E-01	1.59
0	2.27E-01	0.37
0	7.60E-01	1.54
4	6.95E-01	0.91
0	4.68E-01	0.54
0	6.49E-01	0.60
0	2.92E-02	3.50
0	5.58E-01	1.51
0	3.63E-01	1.59
0	2.81E-01	0.53
0	8.88E-01	1.24
1	2.14E-01	1.69
0	9.66E-01	0.97
0	6.78E-01	0.84
0	2.72E-01	1.55
1	4.14E-01	1.26
8	7.71E-01	1.05
1	4.02E-01	0.77
1	9.03E-01	1.03
0	8.98E-01	1.13

0	1.12E-02	7.78
4	8.91E-01	0.97
0	5.25E-02	0.08
0	5.42E-01	0.54
1	3.91E-01	0.66
1	9.14E-01	0.86
0	6.41E-01	1.34
0	9.93E-01	1.01
20	1.75E-01	0.81
19	2.41E-01	0.83
0	5.23E-01	0.50
0	8.20E-01	1.25
0	1.68E-01	4.88
1	6.74E-01	1.16
0	3.15E-03	18.29
0	6.86E-01	0.57
0	7.87E-01	0.90
0	9.40E-01	1.08
1	7.09E-01	1.14
0	3.32E-01	0.63
0	4.38E-02	1.89
2	3.96E-01	1.29
0	3.81E-01	0.46
2	9.51E-01	1.02
1	3.98E-01	0.67
1	2.73E-01	2.13
0	6.40E-01	0.69
0	7.37E-01	0.68
0	9.22E-01	1.09
8	4.65E-01	0.87
0	1.40E-01	0.10
1825	9.44E-01	1.02
0	7.64E-01	1.63
0	8.40E-01	1.15
0	3.21E-01	0.37
1	4.68E-01	1.25
3	9.87E-01	1.00
3	8.05E-01	1.06
1	9.64E-01	1.02
11	8.37E-01	0.97
0	3.58E-01	1.83
0	1.23E-01	4.54
0	3.63E-01	0.40

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.18E-01	0.10
0	5.28E-01	1.75
0	8.09E-01	0.86
1	3.65E-01	0.48
0	7.44E-01	0.79
0	6.86E-01	1.59
0	6.52E-01	0.84
12	9.42E-01	0.99
0	2.00E-01	0.22
0	9.97E-01	1.00
0	9.15E-01	0.91
0	9.15E-01	0.91
0	6.39E-01	0.76
0	1.92E-01	0.59
1	4.77E-01	1.19
0	5.01E-01	2.31
0	5.77E-01	0.61
1000	8.13E-01	1.02
0	4.05E-01	1.64
0	4.52E-01	2.25
0	4.46E-02	0.64
0	4.46E-01	1.89
0	6.46E-01	1.55
0	2.84E-01	0.28
0	7.06E-03	14.42
340	3.07E-02	1.22
3	3.24E-01	0.77
0	9.04E-01	0.84
0	5.82E-01	1.97
3	9.68E-01	0.99
468	4.86E-02	0.84
1	8.95E-01	1.03
1	1.87E-01	2.54
1	8.50E-01	1.04
0	4.88E-01	0.38
0	4.88E-01	0.38
0	3.16E-01	2.40
135	5.33E-02	1.22
1	9.19E-01	1.02
123	8.88E-01	0.99
77	4.00E-01	0.91
0	1.19E-01	0.38
0	9.41E-01	0.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.88E-01	1.34
0	4.72E-01	0.39
0	1.51E-01	0.63
0	6.90E-01	1.49
0	4.70E-01	1.94
27	8.04E-01	1.04
0	4.10E-02	4.49
0	6.96E-01	1.21
0	6.94E-02	3.84
1	2.02E-03	2.04
0	2.81E-01	3.39
0	5.94E-01	1.32
0	4.58E-01	0.49
0	8.06E-01	1.09
2	3.79E-01	1.28
0	6.25E-01	0.65
2	4.01E-01	0.79
120	1.35E-01	0.85
288	2.18E-01	0.89
4	9.45E-01	0.98
401	3.08E-01	1.09
0	8.89E-01	1.08
23	1.46E-02	1.36
0	5.96E-01	1.85
0	5.04E-01	1.90
230	1.35E-01	0.87
0	2.99E-01	2.31
65	5.06E-01	1.08
0	2.55E-01	2.04
0	8.90E-01	1.06
0	4.17E-01	0.47
1309	2.47E-01	1.15
0	4.84E-01	0.45
0	2.25E-02	6.92
0	7.39E-01	1.22
1413	4.66E-01	0.91
1	6.95E-01	0.73
0	1.68E-01	3.72
1	3.69E-01	1.28
14	3.57E-01	1.17
0	6.83E-01	0.57
0	9.34E-01	0.92
0	3.58E-01	3.76

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1020	6.29E-01	0.95
4	3.50E-01	1.24
0	4.32E-01	0.34
0	5.76E-01	1.78
0	2.63E-01	2.96
78	3.31E-01	0.89
37	7.10E-01	0.95
0	6.33E-01	0.63
0	7.42E-01	2.40
0	3.40E-01	2.76
0	5.55E-02	2.49
1620	7.62E-01	0.95
41	7.91E-01	0.97
0	8.37E-01	0.87
0	4.16E-01	1.74
0	5.31E-01	0.68
10	2.73E-01	1.22
0	3.57E-01	0.32
10	9.46E-01	1.01
250	9.66E-01	1.00
0	9.56E-01	1.04
0	4.22E-01	0.39
307	9.68E-01	1.00
0	9.97E-01	1.00
0	6.82E-01	1.53
0	8.16E-01	1.12
0	6.89E-01	0.80
0	8.35E-02	0.17
0	8.80E-02	0.17
1	2.21E-01	1.54
0	2.18E-01	1.98
4	7.06E-01	1.08
0	3.00E-01	1.93
336	3.31E-01	1.09
14	3.44E-02	0.71
0	6.98E-01	0.66
0	7.62E-01	1.34
0	4.19E-01	0.47
0	2.43E-01	2.70
0	8.50E-01	0.86
0	8.16E-01	0.83
0	1.95E-01	1.50
0	7.50E-01	1.19

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.71E-01	0.72
2	6.11E-01	1.15
3	6.96E-01	0.91
0	3.09E-01	1.42
0	2.67E-01	0.25
0	7.26E-01	0.90
0	6.86E-01	0.62
0	5.04E-01	0.42
636	4.22E-01	0.93
0	1.69E-01	3.16
0	7.40E-01	1.32
0	1.78E-01	4.39
0	2.72E-01	0.27
0	6.86E-02	0.09
0	9.29E-01	0.88
2	9.43E-01	0.98
4	6.46E-01	0.87
0	1.64E-01	3.29
151	7.44E-01	1.03
0	1.19E-02	9.30
0	5.39E-01	1.50
0	9.59E-01	0.97
0	3.50E-01	1.55
943	7.69E-01	0.97
0	1.93E-01	4.32
0	2.79E-01	3.29
14	7.98E-01	0.95
0	8.50E-01	0.76
9	5.12E-01	1.13
0	9.96E-01	1.01
9	7.15E-01	0.93
8	4.46E-01	0.87
0	8.91E-01	0.88
0	6.13E-01	1.64
41	8.74E-01	1.02
0	3.32E-01	0.27
0	1.63E-01	0.35
0	6.42E-01	0.73
5	5.55E-01	1.16
0	5.63E-01	1.80
1	1.80E-01	0.56
0	4.68E-01	0.56
32	4.63E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.30E-01	0.77
1	7.94E-01	0.93
2	7.98E-01	1.12
0	1.30E-01	4.94
0	6.92E-01	0.55
0	2.34E-02	11.54
2	4.60E-01	1.27
0	9.81E-03	5.45
0	4.17E-01	0.61
0	7.74E-01	1.10
9	6.81E-01	1.07
0	2.61E-01	0.34
43	2.87E-01	0.87
0	5.76E-01	0.42
0	3.19E-01	0.48
0	8.90E-01	1.15
0	2.43E-01	2.02
0	2.43E-01	2.02
0	1.17E-01	4.43
0	8.90E-01	1.10
0	4.55E-01	0.65
1781	3.91E-01	0.82
0	9.13E-01	1.18
28	1.91E-01	0.82
0	8.92E-01	0.84
59	2.15E-01	0.86
3	4.79E-01	0.84
49	5.71E-01	1.07
641	8.12E-01	0.98
49	5.55E-01	1.07
0	3.53E-01	0.36
0	9.67E-01	1.02
1	2.51E-01	0.68
0	5.39E-02	0.09
0	4.93E-01	2.74
0	3.22E-01	1.50
1	4.86E-01	1.26
0	8.69E-01	0.78
320	3.57E-01	0.92
0	3.50E-01	2.69
508	6.64E-01	0.96
17	1.74E-01	1.22
173	8.20E-02	1.18

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.95E-01	0.39
0	7.08E-01	0.80
13	2.62E-02	0.70
1	7.74E-01	1.17
0	8.03E-01	1.20
0	9.62E-01	0.96
0	1.95E-01	3.37
4	3.17E-01	1.24
101	5.28E-01	0.93
0	3.52E-03	8.75
39	5.03E-02	1.27
29	9.61E-02	1.25
0	8.90E-01	0.89
0	9.80E-02	7.82
0	2.65E-01	3.28
0	3.76E-01	2.25
0	2.27E-01	0.23
0	3.25E-01	1.57
0	6.96E-01	0.57
1	6.06E-01	1.18
0	7.92E-02	0.22
0	3.17E-01	0.29
0	6.15E-01	1.66
0	5.11E-01	0.41
0	2.87E-01	0.59
0	9.31E-02	0.22
2	2.96E-01	0.64
3	1.92E-01	0.68
0	4.44E-01	2.05
0	8.31E-01	0.86
0	8.38E-01	1.20
0	5.57E-01	1.38
0	3.15E-01	2.37
0	2.52E-01	0.23
0	2.69E-01	3.30
0	8.67E-01	1.28
0	5.17E-01	0.44
0	7.04E-01	1.22
0	1.97E-02	0.25
0	1.40E-02	0.06
0	9.86E-02	0.10
0	1.06E-02	0.05
0	5.76E-01	1.64

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

4	8.80E-01	0.96
4	7.56E-01	0.92
50	6.61E-01	0.95
50	6.34E-01	0.94
0	5.27E-01	2.16
0	6.02E-01	0.84
0	5.12E-01	0.59
1	7.87E-01	1.26
0	6.28E-01	1.73
4	5.50E-01	1.17
0	7.65E-01	1.34
0	1.10E-01	2.45
0	7.16E-01	1.55
0	9.94E-02	0.12
0	9.67E-01	1.04
0	9.05E-01	1.11
0	1.61E-01	2.23
0	6.11E-02	5.65
0	5.36E-01	0.65
1	8.15E-01	0.91
9	2.04E-01	0.79
774	6.77E-01	1.04
0	9.07E-01	0.94
36	3.85E-01	1.12
1	3.39E-01	1.34
0	8.52E-01	1.13
81	9.72E-01	1.00
0	5.09E-01	1.20
0	3.41E-01	2.65
0	7.27E-01	1.25
0	2.07E-01	1.93
25	1.00E-01	1.25
0	8.09E-01	0.81
0	4.86E-01	0.71
0	5.93E-01	0.45
0	8.79E-01	1.12
0	9.79E-01	1.01
0	1.53E-01	3.07
24	4.13E-01	0.88
24	6.59E-01	0.93
2	3.21E-01	1.28
24	6.21E-01	0.93
38	5.27E-01	0.92

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

8	4.58E-01	0.88
62	9.07E-01	0.99
0	1.56E-01	0.19
12	4.66E-01	0.88
1	2.01E-03	0.35
3	7.64E-01	1.07
23	4.96E-01	0.90
0	7.11E-01	1.33
3	7.80E-01	1.06
0	6.88E-01	0.67
0	9.95E-01	1.00
0	9.95E-01	1.00
197	5.25E-01	1.06
206	5.53E-01	1.06
1922	1.00E+00	0.97
0	2.33E-01	2.73
0	1.24E-01	3.05
1	2.31E-01	0.35
4	8.97E-01	0.97
0	7.54E-01	1.28
0	5.14E-01	0.49
0	8.25E-01	0.81
0	1.27E-01	1.83
53	6.14E-01	0.94
10	7.46E-01	0.95
0	4.66E-01	1.54
0	7.62E-01	1.21
0	4.99E-01	2.13
0	8.65E-01	0.86
0	1.53E-01	2.47
94	9.92E-01	1.00
31	8.52E-01	1.02
975	4.68E-01	0.93
0	8.68E-01	0.90
1	6.83E-01	1.52
0	8.18E-01	1.10
1922	1.00E+00	0.97
0	5.70E-01	1.20
0	3.05E-01	0.63
0	8.71E-01	0.78
133	6.64E-01	1.05
1	8.50E-02	0.65
0	8.76E-01	0.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.23E-01	0.63
0	3.41E-01	2.14
0	2.84E-01	3.42
102	7.58E-01	0.97
0	7.11E-02	1.90
0	3.98E-01	2.00
0	2.03E-01	2.92
0	8.36E-01	0.81
1	4.44E-01	1.79
0	4.73E-01	0.53
1	4.52E-01	1.68
0	4.02E-01	0.32
0	7.00E-01	1.29
1	6.92E-01	0.87
0	1.37E-01	0.30
0	2.46E-01	1.37
0	6.19E-02	1.56
0	4.61E-02	0.31
0	3.99E-01	1.98
0	8.10E-01	0.93
0	6.64E-01	0.87
5	2.96E-01	0.76
1	7.67E-01	1.09
0	2.43E-01	4.39
1725	6.70E-01	1.09
0	2.15E-01	1.53
0	1.54E-01	2.25
0	6.33E-01	1.15
0	8.52E-01	1.19
0	2.15E-01	1.53
0	2.15E-01	1.53
1	3.48E-01	2.03
1	2.66E-01	1.26
0	9.40E-01	1.07
0	3.89E-02	11.79
0	9.11E-01	0.91
1373	8.91E-01	0.98
0	1.21E-01	0.10
0	6.20E-02	6.45
0	5.27E-01	1.78
335	8.86E-01	0.99
0	1.57E-01	2.77
0	7.08E-01	1.28

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.74E-01	1.02
58	7.62E-01	0.96
0	5.50E-01	2.77
224	5.57E-01	0.95
0	2.32E-01	0.17
3	3.98E-01	0.84
0	2.58E-01	0.43
0	4.18E-01	0.48
298	3.71E-01	1.08
14	2.49E-01	1.22
0	6.96E-01	0.69
156	1.19E-02	1.28
3	2.41E-01	1.38
116	5.92E-01	1.06
0	9.32E-01	1.07
0	1.89E-01	5.83
89	3.32E-02	1.25
0	9.21E-01	1.06
0	5.59E-01	1.70
544	1.66E-01	1.13
0	6.54E-01	0.82
0	5.25E-01	0.75
0	1.51E-01	0.14
0	8.64E-01	0.89
0	1.25E-01	5.72
133	4.79E-01	0.93
162	4.87E-01	0.93
2	7.42E-01	0.89
0	8.97E-02	0.21
0	8.89E-01	0.86
0	9.80E-01	1.02
0	4.25E-01	2.33
0	3.99E-01	0.54
0	9.05E-03	0.12
16	1.95E-01	0.81
0	8.46E-02	0.20
1	9.01E-01	0.96
1	9.01E-01	0.96
0	2.32E-01	0.28
0	6.79E-01	0.87
5	7.78E-01	1.07
0	7.26E-01	1.69
0	6.41E-01	2.15

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

643	5.06E-01	1.06
0	4.65E-01	0.49
0	3.63E-02	0.31
0	2.12E-01	1.80
0	3.23E-01	0.28
0	5.76E-01	1.85
0	5.71E-01	0.56
1	2.48E-01	0.67
1	3.64E-01	0.77
0	5.16E-01	2.11
0	4.65E-01	0.49
96	2.52E-01	1.13
2	9.13E-01	0.97
534	4.06E-01	0.93
18	4.97E-01	0.89
18	5.29E-01	0.90
20	4.48E-01	0.88
0	2.62E-01	0.24
770	8.77E-01	1.01
9	3.67E-01	0.83
0	4.66E-01	2.15
0	9.14E-01	0.95
0	4.72E-01	0.38
0	2.78E-01	2.15
1	5.58E-01	0.86
0	7.53E-01	0.63
0	7.09E-01	0.51
1	7.94E-03	2.23
0	1.20E-01	2.58
1	4.63E-01	0.65
0	3.12E-01	0.64
1	3.82E-01	0.72
28	5.20E-01	0.91
135	6.93E-01	1.04
0	8.23E-01	0.76
131	5.41E-01	1.06
11	6.52E-01	0.92
275	1.74E-01	0.88
31	5.74E-01	0.92
11	3.42E-01	0.85
109	1.95E-01	1.14
213	5.11E-01	0.94
0	4.26E-01	0.71

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

9	4.67E-02	0.67
0	5.52E-01	0.60
0	2.18E-01	2.44
0	9.81E-02	0.21
0	7.39E-01	0.93
0	6.93E-01	1.55
0	5.05E-01	0.51
0	7.47E-01	0.93
6	9.59E-02	0.71
0	4.14E-01	2.21
1	8.61E-01	0.94
1	5.63E-01	0.60
7	2.08E-01	0.77
0	1.87E-01	3.47
0	4.73E-01	0.65
8	1.31E-01	0.74
0	2.93E-01	0.54
518	7.46E-01	1.03
0	8.43E-01	0.83
0	4.45E-01	2.43
0	8.35E-01	0.81
0	4.05E-01	2.27
0	8.13E-01	1.09
0	9.82E-01	1.03
0	2.18E-01	2.86
0	4.70E-01	1.76
0	6.78E-01	1.22
0	9.43E-01	1.07
0	7.55E-01	1.36
0	9.47E-01	1.06
0	8.26E-01	0.84
1	7.54E-01	0.84
0	6.05E-01	0.47
20	2.22E-01	0.83
0	3.74E-01	0.61
0	2.98E-01	1.87
0	8.89E-01	0.92
1	8.39E-01	0.91
0	6.89E-01	0.71
0	5.16E-01	1.61
625	7.48E-01	0.97
626	6.90E-01	0.96
1	7.32E-01	1.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

583	6.54E-01	0.96
1	8.18E-01	0.94
0	1.74E-02	5.39
1	5.57E-01	0.84
35	4.90E-01	0.91
0	3.11E-01	2.46
0	5.51E-01	0.44
6	8.47E-01	0.96
0	3.05E-01	3.00
0	2.49E-01	0.64
12	9.31E-01	0.98
12	1.40E-01	0.79
0	5.31E-01	0.41
0	8.72E-01	1.29
0	6.57E-01	0.52
1320	7.35E-02	1.25
1	4.95E-01	1.89
0	3.73E-01	0.38
0	9.33E-02	2.39
0	4.97E-01	1.59
35	5.16E-01	0.92
35	4.43E-01	0.90
816	3.91E-01	0.92
814	4.43E-01	0.93
814	3.42E-01	0.91
0	7.06E-01	1.47
0	6.91E-01	0.63
7	3.97E-01	0.83
0	9.43E-01	0.93
0	9.52E-01	1.06
212	3.47E-02	0.81
0	8.33E-02	0.09
1189	9.74E-01	1.00
0	8.01E-01	0.92
0	1.40E-01	1.54
41	7.38E-01	0.96
0	1.93E-01	1.52
0	8.23E-01	1.22
0	7.31E-01	1.39
0	1.05E-01	4.13
0	7.00E-01	1.39
0	5.28E-01	0.39
658	4.41E-01	1.07

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	3.51E-01	0.48
0	3.46E-01	2.69
59	8.27E-02	1.23
0	8.23E-01	0.90
42	5.74E-01	0.93
291	1.11E-01	0.86
0	2.67E-01	0.32
11	3.24E-01	1.19
0	6.98E-01	0.62
0	8.16E-01	1.27
0	1.96E-01	2.56
0	7.50E-01	0.88
797	8.90E-01	1.01
0	3.07E-01	2.72
0	6.87E-01	0.56
1	4.62E-01	1.24
0	2.40E-01	3.68
0	4.31E-01	1.71
0	3.73E-01	0.54
0	3.94E-01	1.26
0	2.83E-01	0.58
0	9.17E-01	0.90
99	1.18E-01	0.84
1	3.02E-01	1.36
10	3.45E-01	1.18
0	5.56E-01	1.86
8	9.21E-01	1.02
0	1.91E-01	0.17
0	6.42E-01	0.70
668	1.18E-01	0.87
0	9.55E-01	0.97
0	8.38E-01	1.08
694	9.49E-02	0.86
79	7.24E-01	1.04
0	3.17E-02	6.71
0	3.46E-01	2.81
0	8.57E-01	1.16
0	6.87E-01	0.66
8	9.92E-01	1.00
74	2.97E-01	1.12
0	3.81E-01	1.85
208	8.50E-01	1.02
0	1.07E-01	0.22

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	9.46E-01	1.06
0	6.61E-01	0.54
0	1.43E-01	3.14
113	7.23E-01	1.04
1	4.48E-01	1.23
232	8.54E-01	0.98
0	1.30E-01	4.12
2	8.25E-01	1.05
150	7.62E-01	1.03
0	1.20E-01	3.07
0	9.29E-01	1.15
0	8.09E-01	0.68
0	5.25E-01	1.95
0	1.77E-01	3.47
0	4.39E-01	2.20
0	3.98E-01	0.67
0	4.86E-01	2.13
782	4.00E-01	1.08
0	7.30E-01	1.43
9	7.95E-01	0.96
1	4.34E-01	0.73
0	2.80E-01	1.91
0	5.33E-02	5.52
0	3.76E-01	0.44
0	4.03E-01	0.37
0	9.66E-01	1.02
0	6.51E-01	0.53
4	3.88E-01	0.69
0	7.49E-01	1.67
0	9.58E-01	1.04
0	8.65E-01	0.89
15	7.20E-01	0.94
579	3.61E-02	1.21
3	6.60E-01	0.91
1	3.15E-01	1.50
0	5.67E-01	0.47
26	2.30E-01	1.19
0	3.52E-01	2.02
0	4.55E-01	1.33
0	4.68E-02	0.10
395	2.85E-01	1.10
1	9.95E-01	1.01
903	2.40E-01	0.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

11	9.02E-01	1.02
72	5.72E-01	0.93
0	7.19E-01	1.35
0	7.13E-02	0.09
2	8.85E-01	0.97
0	6.71E-02	7.36
0	8.07E-01	0.81
0	7.12E-01	1.28
3	2.69E-01	1.23
11	2.51E-01	0.82
0	5.15E-01	1.49
0	8.33E-01	1.27
1	8.36E-01	1.09
10	2.74E-01	0.82
8	1.15E-01	0.73
0	1.11E-01	2.51
0	6.73E-01	1.34
0	9.44E-01	1.07
7	1.39E-01	0.74
0	8.90E-01	1.18
2	8.19E-01	1.07
6	1.46E-01	0.74
1	2.61E-02	2.51
0	9.12E-01	1.19
0	6.35E-01	1.65
1023	2.63E-01	1.12
0	6.62E-01	0.55
0	4.22E-01	0.57
1	7.96E-01	0.93
0	1.78E-01	1.76
0	9.96E-01	1.00
0	4.51E-01	0.67
0	4.73E-01	0.39
1920	5.66E-01	1.98
0	3.60E-01	1.77
1920	7.78E-01	0.73
0	6.30E-02	4.43
0	9.64E-01	0.93
0	1.09E-01	4.37
0	1.09E-01	4.37
0	3.03E-04	12.66
1890	1.35E-01	2.60
0	1.97E-01	0.62

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	9.27E-01	0.95
1018	6.96E-01	1.04
0	3.32E-01	0.29
0	8.92E-01	0.82
0	1.10E-01	0.44
0	5.31E-01	1.81
0	8.58E-01	1.20
23	4.76E-01	0.90
0	2.87E-01	1.76
0	3.20E-01	0.31
0	9.70E-01	0.96
0	4.19E-01	0.54
0	7.44E-01	0.78
0	2.02E-01	0.33
0	5.84E-01	2.02
0	6.51E-01	0.68
0	8.44E-01	1.22
1346	7.99E-01	0.97
0	9.86E-01	0.99
2	2.64E-01	1.34
0	9.80E-01	1.03
0	3.88E-01	2.33
0	8.96E-01	1.15
0	9.66E-01	1.07
0	1.85E-01	1.77
0	1.86E-01	0.31
0	1.38E-01	2.63
475	3.38E-01	1.09
0	5.77E-01	1.50
0	4.97E-01	2.04
1166	9.77E-01	1.00
16	2.97E-01	0.85
0	7.03E-01	0.70
0	6.49E-01	0.58
0	4.94E-01	1.73
0	9.98E-01	1.00
0	9.22E-01	1.11
221	7.45E-02	1.19
0	2.82E-01	2.81
0	9.70E-01	1.03
24	7.67E-01	1.05
0	3.00E-01	0.24
0	2.47E-01	1.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

607	5.66E-02	0.84
0	9.38E-01	1.07
47	2.31E-02	0.74
44	1.66E-02	0.72
0	5.12E-01	1.91
0	1.29E-01	6.50
0	1.29E-01	6.50
74	7.31E-01	0.96
0	9.22E-01	1.11
379	3.02E-02	1.21
1915	2.22E-01	5.90
56	6.52E-01	0.95
0	2.62E-01	1.47
467	2.72E-02	1.22
431	7.22E-02	1.17
471	1.09E-01	1.15
0	4.84E-01	0.54
0	4.99E-01	1.61
0	5.88E-01	1.52
309	4.53E-01	1.07
55	6.34E-02	0.80
12	1.86E-02	0.69
45	6.49E-01	0.94
2	1.80E-01	0.69
0	3.31E-01	0.62
0	3.50E-01	0.29
0	5.19E-01	0.39
157	3.06E-02	0.80
29	5.06E-03	1.44
129	1.81E-02	0.77
0	5.68E-01	0.60
0	2.64E-01	3.09
425	5.01E-01	0.94
0	4.17E-01	1.90
0	3.01E-01	0.58
0	7.78E-01	1.19
0	8.43E-01	0.83
0	3.42E-01	2.72
140	7.82E-01	1.03
1	8.49E-01	0.96
0	6.87E-01	1.44
0	6.53E-01	0.79
0	4.56E-01	1.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.03E-01	1.24
0	1.24E-02	6.26
48	1.62E-01	0.84
0	8.74E-01	1.40
614	5.41E-01	0.95
9	4.99E-01	1.14
1	5.18E-01	0.84
0	2.92E-01	1.48
0	1.25E-01	6.07
0	7.29E-01	0.77
9	4.58E-01	1.15
0	5.79E-02	2.52
0	8.19E-01	0.76
0	7.22E-01	0.68
0	9.75E-01	1.05
0	8.05E-02	0.11
901	1.69E-01	0.88
0	3.89E-01	1.70
0	8.24E-01	1.40
95	9.88E-01	1.00
203	5.95E-01	0.95
0	6.38E-02	2.96
0	2.25E-01	0.37
0	2.46E-01	0.24
46	7.19E-01	0.96
74	4.75E-01	1.08
73	6.17E-01	1.06
1	6.43E-01	0.80
23	1.78E-01	1.22
0	1.74E-01	4.65
73	3.48E-01	1.11
150	9.21E-01	0.99
188	4.43E-01	1.08
0	7.21E-01	0.69
0	3.09E-01	0.28
1689	4.04E-02	1.49
0	9.07E-01	1.13
0	6.76E-01	1.42
0	6.51E-01	1.24
0	1.19E-01	2.02
0	4.88E-01	0.40
1119	5.78E-02	1.23
1118	5.75E-02	1.23

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.79E-01	1.79
0	4.99E-01	2.03
0	3.86E-02	5.19
580	6.91E-01	0.97
0	1.46E-01	0.12
84	7.19E-01	1.04
85	7.73E-01	1.03
243	5.45E-01	1.06
15	1.99E-01	1.21
151	2.55E-01	0.89
76	4.97E-02	0.79
86	1.00E-01	0.83
0	9.67E-01	0.96
0	1.45E-01	5.17
116	3.46E-01	1.10
0	1.89E-02	0.35
0	7.77E-01	0.65
0	9.70E-02	4.99
0	1.31E-01	3.41
0	9.83E-01	0.99
0	8.34E-01	1.24
0	2.45E-01	0.24
748	2.71E-01	0.90
0	7.54E-01	1.46
0	5.66E-01	0.69
66	9.60E-01	0.99
8	1.10E-01	0.75
1	2.17E-01	0.53
0	4.92E-01	0.37
0	4.13E-01	2.01
0	5.52E-01	0.40
1	9.58E-01	0.96
0	9.54E-02	1.78
0	8.55E-01	0.95
971	2.27E-01	0.89
2	1.19E-01	1.41
0	9.06E-01	0.93
200	8.85E-02	0.85
264	8.39E-01	1.02
0	5.84E-01	1.33
0	7.01E-01	0.88
0	4.32E-01	2.55
0	7.92E-01	0.82

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

21	7.09E-01	1.06
0	8.53E-01	1.18
0	5.10E-01	0.52
0	3.42E-01	2.67
1	5.79E-01	0.52
0	8.81E-01	1.24
1888	6.79E-01	0.83
0	4.91E-02	2.30
0	4.86E-01	0.76
759	4.05E-01	1.08
0	2.91E-01	1.75
0	7.99E-01	0.80
176	4.79E-01	0.93
0	1.22E-01	2.04
0	7.76E-01	0.66
0	8.93E-01	0.89
188	5.15E-01	0.94
1	1.30E-01	2.03
0	5.18E-01	0.40
0	4.78E-01	0.60
0	6.15E-01	1.99
0	9.35E-04	0.22
0	3.69E-01	0.53
0	5.92E-01	1.61
0	9.54E-01	1.04
10	9.96E-01	1.00
3	8.66E-01	0.94
1	7.98E-01	0.89
0	3.04E-01	0.27
1508	7.47E-01	0.95
0	6.22E-01	0.67
1510	6.41E-01	0.94
0	6.84E-01	0.82
102	7.81E-01	1.03
0	7.28E-01	0.57
0	2.70E-01	0.22
127	5.24E-01	1.07
0	6.30E-01	1.23
1	8.53E-01	1.12
60	6.25E-01	1.06
80	1.33E-01	0.84
2	3.20E-01	1.40
0	2.83E-01	0.26

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.72E-02	4.40
1	8.85E-01	1.17
0	4.48E-01	1.91
0	9.23E-02	6.41
3	2.86E-01	1.26
0	7.65E-01	1.23
0	5.39E-02	3.53
0	7.55E-01	1.39
0	4.33E-01	1.53
17	6.35E-01	0.93
0	4.80E-01	1.58
0	5.31E-01	0.41
0	4.41E-01	1.65
0	5.24E-02	4.44
709	2.36E-01	1.12
0	9.45E-02	4.85
0	2.25E-01	0.44
0	8.53E-01	0.79
3	3.86E-01	1.27
0	9.61E-01	1.03
0	6.96E-01	0.74
3	1.57E-02	0.46
787	8.39E-01	0.98
0	6.33E-01	0.58
0	5.90E-01	0.64
1	4.15E-01	1.77
0	9.90E-01	1.01
0	3.42E-01	0.28
1	6.48E-01	0.86
379	8.46E-01	0.98
2	9.71E-02	1.61
0	1.52E-01	1.75
912	7.86E-01	1.03
0	2.31E-01	0.28
0	5.14E-02	0.04
0	6.22E-01	1.47
1	5.98E-01	1.15
0	7.93E-01	0.87
0	2.79E-01	2.40
8	9.19E-01	0.98
5	8.65E-01	0.97
0	8.26E-02	6.19
0	7.52E-01	0.69

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.58E-01	0.77
0	1.91E-01	2.41
2	4.47E-01	0.75
0	7.93E-01	1.35
0	2.49E-01	2.73
0	2.49E-01	2.73
0	7.21E-01	0.59
0	8.77E-01	0.79
0	5.97E-01	1.39
1922	1.00E+00	0.97
0	7.68E-01	1.62
1	4.20E-01	0.82
1763	6.43E-01	1.11
0	6.92E-01	0.78
0	9.52E-01	0.93
1764	6.68E-01	1.11
0	9.50E-01	1.04
2	6.60E-01	0.89
0	8.43E-02	2.79
0	5.97E-01	1.23
0	1.99E-01	1.58
0	4.21E-01	0.34
0	7.18E-01	1.10
0	5.85E-01	1.56
0	1.72E-01	0.15
0	4.75E-01	1.89
0	4.19E-01	0.34
0	2.41E-01	0.24
1	6.27E-01	0.81
0	7.18E-01	1.32
1	8.10E-01	1.08
0	2.70E-01	2.29
0	2.75E-01	2.28
0	9.10E-01	1.19
0	3.59E-01	0.44
125	9.24E-01	1.01
0	5.17E-01	1.95
0	5.70E-02	4.02
0	5.70E-02	4.02
1	3.98E-01	0.27
0	5.70E-02	4.02
8	6.90E-01	1.08
4	1.96E-01	1.37

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

5	2.85E-01	1.22
0	9.55E-01	1.06
0	4.93E-01	2.00
0	8.98E-01	1.15
0	4.33E-01	0.35
0	6.38E-01	1.43
0	2.55E-01	3.22
446	9.52E-01	0.99
0	2.44E-01	0.30
0	2.94E-01	1.78
621	2.94E-01	0.91
0	2.71E-01	0.51
0	2.80E-01	0.26
143	9.24E-01	0.99
0	7.92E-01	1.24
0	1.48E-01	0.53
0	8.26E-01	0.73
0	1.47E-01	2.81
0	1.60E-01	1.65
144	2.68E-01	0.89
109	4.19E-01	0.92
0	1.11E-01	0.17
0	9.49E-01	1.06
5	3.49E-02	1.55
2	5.65E-01	0.85
0	8.75E-01	0.86
0	4.25E-01	1.71
3	4.45E-02	0.58
0	8.82E-01	0.87
1	1.15E-01	1.45
0	8.65E-01	1.18
0	8.45E-01	1.21
0	7.24E-03	11.21
0	7.03E-01	1.86
0	3.77E-01	1.60
0	5.05E-01	1.40
0	8.94E-01	0.93
0	1.61E-01	3.14
0	8.41E-01	0.75
0	6.58E-01	1.55
0	2.87E-01	0.23
1675	5.19E-01	0.90
0	4.66E-01	0.36

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.26E-01	0.73
3	9.39E-01	1.02
0	1.62E-01	3.39
0	4.66E-01	0.36
0	9.90E-01	0.98
0	4.88E-01	1.96
0	3.70E-01	0.42
0	4.58E-01	2.08
1	7.26E-01	1.18
11	7.62E-01	0.95
1	6.54E-01	1.22
0	3.63E-01	1.61
6	3.42E-01	1.22
0	9.00E-01	0.88
0	6.60E-01	1.51
0	5.62E-01	0.41
0	8.02E-01	1.31
0	3.86E-01	1.63
1	5.68E-01	1.42
0	1.83E-01	5.57
0	9.43E-01	0.91
0	8.40E-01	1.20
0	9.56E-01	0.95
0	5.30E-01	2.94
2	5.99E-01	1.13
0	4.75E-01	1.64
0	2.14E-01	0.28
124	7.99E-01	0.97
1	5.86E-01	0.84
18	7.66E-01	1.05
0	5.18E-01	1.35
18	8.28E-01	1.03
0	2.25E-02	2.57
0	3.71E-01	0.67
0	6.62E-01	0.63
0	8.63E-01	1.10
1	6.95E-01	1.18
0	2.18E-01	2.78
4	9.57E-01	0.99
0	7.53E-01	1.22
0	9.04E-01	0.89
0	9.04E-01	0.89
0	4.08E-01	0.78

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.38E-01	0.22
131	3.82E-01	1.09
0	4.10E-01	1.93
0	2.79E-01	0.60
0	6.17E-01	0.49
0	6.77E-01	0.55
0	1.41E-01	0.18
5	5.21E-01	1.14
0	3.40E-02	5.62
0	3.77E-01	0.74
58	6.10E-01	0.94
0	1.09E-01	4.81
14	9.17E-02	1.29
0	4.03E-01	2.35
15	9.13E-02	1.29
0	2.17E-01	2.00
0	5.08E-01	1.31
0	9.34E-01	1.08
0	4.86E-02	10.21
0	1.93E-01	2.64
0	1.09E-01	4.81
0	4.78E-01	0.37
0	8.71E-01	1.14
0	3.25E-01	0.64
46	1.44E-01	0.83
996	3.78E-01	0.92
0	1.93E-01	2.64
0	1.32E-01	3.89
0	4.36E-01	0.37
0	9.88E-01	1.01
0	7.58E-01	0.82
420	3.73E-01	1.08
0	1.32E-01	2.02
0	9.52E-01	0.94
4	2.59E-02	0.58
0	4.64E-01	1.75
419	3.66E-01	1.08
0	8.72E-01	1.07
0	4.70E-01	1.50
0	5.84E-01	1.30
0	1.92E-01	3.83
0	6.08E-01	1.49
93	9.18E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.06E-01	0.37
0	8.70E-01	1.17
0	9.24E-02	0.22
0	8.34E-01	0.86
0	5.61E-01	1.80
0	9.21E-01	1.10
0	8.74E-01	0.82
1	2.31E-01	0.57
0	3.76E-02	4.90
5	1.10E-01	0.68
0	4.00E-01	1.62
173	3.09E-01	0.90
621	7.08E-01	1.03
0	2.96E-01	0.44
0	1.70E-01	2.63
1	3.10E-01	2.28
0	7.71E-01	0.77
0	6.09E-01	1.74
1873	7.53E-01	0.87
0	9.98E-01	1.00
0	1.94E-01	0.23
0	8.74E-01	1.09
3	2.82E-01	1.24
1462	2.64E-01	1.17
1922	1.00E+00	0.97
1922	1.00E+00	0.97
1922	1.00E+00	0.97
1922	1.00E+00	0.97
1922	1.00E+00	0.97
3	9.92E-01	1.00
0	9.83E-01	1.02
0	1.81E-01	0.20
3	5.94E-02	0.59
2	4.74E-01	1.17
0	6.31E-01	0.49
2	1.85E-01	0.67
0	8.56E-01	0.86
0	1.86E-02	7.38
0	8.58E-01	1.20
0	2.55E-02	16.09
24	1.86E-01	1.20
95	9.41E-01	0.99
103	3.17E-01	1.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.33E-01	1.24
0	2.75E-01	1.81
0	7.54E-01	0.87
0	5.33E-01	0.65
1	6.02E-01	0.76
7	5.61E-01	1.13
0	4.40E-01	1.76
0	6.11E-01	0.71
63	8.59E-01	1.02
7	5.57E-01	1.11
0	7.75E-01	0.67
228	2.29E-01	1.12
0	4.64E-01	0.70
0	8.39E-01	1.15
1	4.78E-01	1.26
2	9.19E-01	0.94
1	7.81E-01	0.68
0	7.01E-01	0.61
113	1.99E-01	0.87
0	2.34E-01	0.18
0	1.68E-01	1.59
0	4.73E-01	0.65
0	3.28E-01	0.36
93	3.39E-01	0.90
0	6.81E-01	0.68
0	2.20E-01	3.67
552	6.43E-01	0.96
4	2.01E-01	1.33
0	9.15E-01	0.87
0	9.45E-01	1.07
0	6.62E-02	0.20
0	2.70E-03	17.42
6	3.91E-02	1.49
2	7.77E-01	0.93
1920	2.47E-01	0.23
1	6.11E-01	1.38
70	4.32E-01	1.09
0	7.90E-01	0.77
0	5.75E-01	0.46
779	5.01E-01	0.94
36	2.11E-02	0.74
0	5.55E-01	1.87
1241	9.93E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.89E-01	0.76
1	5.14E-01	1.18
883	5.39E-01	0.94
1	9.36E-01	0.96
0	6.19E-01	1.24
0	4.14E-01	0.35
2	5.47E-01	0.87
52	7.79E-01	1.03
0	4.94E-01	0.76
6	8.39E-01	0.96
0	4.15E-02	8.80
1	9.79E-01	1.01
30	7.86E-01	1.04
6	7.16E-01	0.92
0	8.07E-01	0.71
10	7.67E-01	1.05
0	8.16E-01	0.72
6	7.16E-01	0.92
4	9.41E-01	1.02
2	8.46E-01	1.06
154	5.48E-01	1.06
0	6.30E-01	0.65
0	3.29E-02	7.85
0	6.40E-01	0.72
0	7.25E-01	0.74
0	2.43E-01	0.21
150	4.31E-01	1.08
0	4.50E-01	0.67
0	3.91E-01	0.48
0	1.67E-02	10.88
2	9.10E-01	0.96
0	9.44E-01	0.96
0	1.92E-01	0.49
5	7.06E-01	0.92
0	2.97E-01	2.39
0	7.21E-01	0.66
1	4.23E-01	1.30
0	7.91E-01	1.28
0	5.90E-01	0.63
0	3.20E-01	0.34
1	8.99E-01	1.05
0	6.82E-01	0.56
0	7.13E-01	1.82

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.64E-01	0.60
0	4.81E-01	0.37
5	8.58E-01	1.04
0	1.55E-01	0.11
0	5.11E-01	0.70
0	4.83E-02	2.36
0	6.66E-01	0.54
0	9.87E-02	1.78
1	1.96E-01	2.64
0	2.00E-01	1.94
0	6.73E-01	1.57
4	4.42E-01	0.81
0	2.07E-01	2.83
0	9.75E-01	1.02
1033	6.11E-01	1.05
253	8.53E-01	1.02
0	5.05E-01	1.53
0	1.57E-01	0.11
3	6.50E-02	1.43
0	1.07E-01	2.70
0	8.97E-02	5.11
0	4.76E-01	0.34
853	6.37E-02	1.19
250	8.01E-01	1.02
63	9.73E-02	0.82
0	6.33E-01	0.60
0	7.74E-01	1.34
0	7.44E-01	0.69
0	6.86E-02	2.97
0	6.46E-01	0.77
0	7.30E-01	0.86
0	2.68E-02	4.96
56	4.94E-01	0.92
0	4.23E-01	2.32
0	4.29E-01	1.44
0	9.89E-01	1.01
0	8.89E-01	0.84
2	3.98E-01	0.76
0	2.93E-01	0.60
1	4.87E-01	0.77
0	6.73E-01	0.76
0	1.16E-01	4.52
0	4.48E-02	2.21

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.72E-02	0.09
0	9.28E-02	0.22
0	8.83E-01	0.91
0	9.92E-01	0.99
0	6.90E-01	1.43
0	4.26E-01	0.72
0	3.38E-01	1.91
3	7.70E-01	0.93
16	4.92E-01	0.88
0	7.95E-01	0.84
0	8.74E-01	1.15
0	8.19E-01	0.78
0	3.13E-02	7.94
0	8.52E-01	0.92
9	7.70E-01	1.06
0	3.68E-01	1.96
0	2.21E-01	0.32
0	8.01E-01	1.21
0	9.87E-01	1.01
966	4.88E-01	0.93
0	9.09E-01	1.11
152	3.76E-01	1.09
0	4.08E-01	2.00
1055	2.27E-01	0.89
377	6.88E-02	0.85
0	8.61E-01	0.85
0	3.06E-01	3.19
6	7.90E-01	0.95
0	6.34E-01	1.61
0	8.19E-01	0.72
12	1.50E-01	0.76
0	7.94E-01	0.69
975	3.98E-01	0.92
0	5.51E-01	0.61
1922	8.04E-01	1.53
1	7.55E-01	1.14
3	2.11E-01	0.72
1	5.50E-01	0.78
0	9.50E-01	0.95
0	6.73E-01	0.67
33	2.06E-01	0.84
0	4.52E-01	1.97
0	4.14E-02	0.25

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

171	2.23E-01	1.13
215	6.53E-01	1.04
0	9.81E-01	0.96
0	7.63E-01	0.78
40	3.33E-01	0.88
0	9.95E-01	0.99
81	4.43E-02	0.79
0	5.23E-01	1.76
7	4.95E-01	1.14
0	3.01E-01	0.60
0	6.60E-01	1.41
0	6.26E-01	1.48
120	6.11E-01	0.95
415	3.77E-01	1.08
138	4.77E-01	0.93
0	4.49E-01	0.54
129	6.06E-01	0.95
25	1.81E-01	1.20
35	9.86E-01	1.00
0	4.96E-01	1.52
0	1.48E-01	1.65
36	8.31E-01	1.03
35	9.26E-01	1.01
29	3.47E-01	1.13
0	3.68E-01	0.39
0	3.88E-01	0.54
0	4.85E-01	0.60
0	7.44E-01	0.62
1	6.23E-01	1.22
72	5.25E-01	1.07
284	7.88E-01	0.98
215	9.37E-01	1.01
1	3.17E-01	1.31
0	7.81E-01	0.78
0	6.87E-01	1.26
21	8.38E-01	1.03
0	1.08E-01	3.11
160	4.52E-01	1.08
0	4.81E-01	0.38
0	9.96E-01	0.99
0	6.28E-01	1.67
1	4.84E-01	1.42
419	2.66E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

5	5.57E-01	0.89
0	8.65E-01	0.87
0	4.61E-01	1.65
53	7.90E-01	0.97
1916	6.96E-01	1.52
0	5.39E-01	1.81
0	9.53E-01	1.05
53	8.16E-01	0.97
0	5.31E-01	0.71
327	3.36E-01	0.92
2	2.57E-01	0.76
1	3.52E-01	1.27
0	9.97E-01	1.00
0	5.94E-02	3.20
0	6.27E-01	0.69
0	4.56E-01	1.45
1	9.00E-01	0.92
0	4.91E-01	0.64
0	4.61E-01	0.36
0	3.07E-01	2.22
116	5.94E-01	1.06
0	6.57E-01	1.76
0	7.65E-01	1.12
0	9.80E-01	1.03
1	6.51E-01	0.88
2	2.84E-02	2.17
0	8.85E-01	0.92
0	3.83E-01	1.75
0	2.46E-01	2.39
4	6.55E-01	0.90
7	9.80E-01	1.01
7	8.99E-01	1.03
0	3.07E-01	0.37
0	5.05E-01	1.44
0	6.01E-01	0.67
0	8.45E-01	1.21
7	4.20E-01	0.84
0	3.90E-01	1.84
0	7.62E-01	0.76
7	3.84E-01	0.83
1	1.83E-01	1.49
0	4.73E-01	1.49
0	3.12E-01	2.88

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.14E-01	0.88
0	7.16E-01	0.82
1	2.17E-01	1.79
0	5.77E-01	1.88
0	9.45E-01	1.03
0	2.04E-01	4.21
0	6.48E-01	0.51
247	8.17E-01	0.98
0	7.24E-01	1.34
0	7.91E-01	1.18
2	3.42E-01	0.68
0	2.38E-01	0.43
0	7.00E-01	2.06
0	2.65E-01	0.26
0	1.63E-01	3.18
0	1.75E-01	1.44
0	4.66E-01	0.50
0	6.29E-01	1.35
0	7.48E-01	0.64
0	3.62E-01	1.32
1528	7.03E-02	0.78
1011	7.74E-02	0.84
0	4.16E-01	0.67
1	6.27E-01	0.70
0	8.26E-01	1.21
1	3.79E-01	0.65
560	9.52E-02	1.17
101	1.74E-01	1.16
308	2.03E-01	1.13
266	9.70E-01	1.00
0	1.92E-01	0.24
0	8.52E-01	0.92
0	4.68E-01	0.65
20	9.18E-01	0.98
203	2.77E-01	0.90
0	1.06E-01	0.25
0	5.14E-01	0.38
1	4.08E-01	1.54
203	1.83E-01	0.88
0	3.42E-01	1.99
0	8.19E-01	1.11
0	4.96E-01	1.76
0	1.48E-01	5.07

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.61E-01	2.06
0	4.27E-01	2.28
0	7.55E-01	1.36
0	7.56E-01	1.37
1	9.15E-01	0.96
1	2.00E-01	0.62
1	3.66E-01	2.00
0	5.51E-01	1.80
0	5.71E-01	1.90
20	5.54E-01	1.08
0	4.57E-01	1.86
1	5.42E-01	1.17
2	6.44E-01	0.88
0	4.86E-01	2.01
1130	2.17E-01	1.14
0	1.81E-01	4.18
4	9.17E-01	1.02
0	5.00E-01	1.22
1	5.15E-01	1.20
1	5.09E-01	1.18
0	4.83E-01	0.38
0	5.29E-01	0.69
0	3.15E-02	0.10
0	3.04E-01	0.26
1	3.82E-01	1.25
0	3.36E-01	1.93
3	1.71E-01	1.33
0	1.11E-01	1.68
509	5.42E-01	0.95
4	7.63E-01	1.07
3	6.87E-01	1.10
0	5.33E-01	1.83
0	4.72E-01	1.30
0	3.50E-01	1.52
0	8.29E-01	0.73
213	6.67E-02	0.84
215	9.23E-02	1.18
115	6.94E-02	1.21
1913	3.60E-01	2.73
1	5.89E-01	1.19
2	2.49E-01	0.71
178	8.19E-02	1.18
1145	9.72E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	9.04E-01	0.91
0	3.02E-02	14.29
0	3.81E-01	1.92
0	3.47E-01	0.39
0	4.82E-01	2.43
0	8.42E-01	0.81
42	3.28E-01	1.13
42	3.28E-01	1.13
0	3.39E-01	0.66
61	3.07E-01	1.14
0	9.60E-03	11.14
80	9.50E-01	0.99
695	2.35E-01	0.90
0	4.35E-01	0.68
0	9.55E-01	1.07
0	2.50E-01	2.09
0	8.02E-01	1.44
0	8.16E-01	0.72
1	5.21E-01	1.25
0	9.36E-01	0.95
0	7.91E-01	1.52
0	8.03E-02	0.20
0	2.39E-01	2.47
37	8.41E-01	0.97
1	9.72E-02	1.68
39	2.70E-01	0.86
1776	6.49E-02	1.59
1129	4.63E-01	1.08
0	1.87E-01	1.77
0	8.17E-01	0.79
0	8.62E-01	1.18
1386	8.94E-01	0.98
0	7.40E-01	1.20
0	9.61E-01	1.03
1	6.52E-01	0.86
0	7.44E-01	1.49
0	7.28E-01	0.80
0	7.69E-02	1.93
1	1.36E-01	1.99
0	1.07E-01	0.41
0	2.20E-01	0.23
0	5.01E-01	1.96
0	7.41E-01	0.75

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.31E-01	2.31
5	7.37E-01	0.92
6	8.03E-01	0.94
0	6.03E-01	0.81
32	2.86E-01	0.86
0	4.51E-02	2.38
0	5.89E-01	1.95
0	6.79E-01	0.80
5	1.87E-01	1.29
1795	7.88E-02	1.57
5	1.95E-01	1.29
1	3.61E-01	1.29
0	4.42E-01	2.20
0	7.75E-01	0.81
0	6.35E-02	0.30
13	3.50E-01	1.15
0	4.21E-02	7.90
0	5.06E-01	0.42
0	1.08E-01	0.55
0	9.51E-02	0.53
0	4.47E-01	1.95
0	5.58E-02	7.04
17	2.61E-02	0.68
13	3.94E-01	1.14
13	1.76E-01	0.77
41	7.85E-01	1.03
1	9.48E-01	0.98
0	5.68E-01	1.72
216	2.18E-01	0.89
0	4.78E-01	0.54
7	8.84E-01	1.03
0	5.87E-01	1.65
0	2.95E-01	0.28
1	4.00E-01	1.26
0	7.56E-01	0.68
413	4.17E-01	0.93
0	8.98E-01	1.19
0	9.94E-01	0.99
37	9.34E-01	0.99
0	8.75E-01	1.28
16	6.38E-01	1.08
27	8.33E-01	0.97
435	6.04E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.62E-01	0.13
1922	1.00E+00	0.97
805	3.84E-01	1.09
0	8.59E-01	1.33
347	8.12E-02	1.17
626	9.79E-01	1.00
13	7.02E-01	1.06
3	9.95E-01	1.00
0	1.03E-01	3.30
0	6.12E-02	1.76
0	9.99E-01	1.00
0	9.21E-01	1.12
2	1.81E-01	0.73
2	3.61E-01	0.80
0	6.25E-01	0.66
0	7.06E-01	0.85
142	5.18E-01	1.07
3	7.29E-01	0.91
1771	9.59E-01	0.99
1000	6.61E-01	1.05
1000	6.08E-01	1.05
0	7.66E-01	1.48
99	9.47E-02	1.20
2	6.59E-01	0.90
3	5.05E-01	0.85
0	7.39E-01	0.70
0	4.08E-01	0.46
0	2.43E-01	0.23
0	2.33E-02	0.16
0	7.23E-02	3.29
0	1.16E-02	5.47
1	7.72E-02	2.84
0	7.19E-01	0.60
0	6.79E-01	1.45
5	7.45E-02	0.67
899	6.61E-01	1.04
1	8.65E-01	0.95
0	6.37E-02	0.18
55	2.90E-01	0.88
55	2.43E-01	0.87
0	2.53E-01	1.59
0	7.03E-01	1.19
55	2.90E-01	0.88

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.96E-01	0.29
0	9.72E-01	0.95
97	7.64E-01	1.03
67	9.33E-01	1.01
201	8.33E-01	1.02
0	3.75E-01	1.48
0	4.56E-01	0.51
0	1.28E-01	0.24
0	1.65E-01	2.67
0	9.77E-01	0.96
0	9.65E-01	0.95
0	9.53E-01	0.91
3	4.57E-01	1.18
126	1.19E-02	0.76
0	9.21E-01	1.11
47	7.99E-01	1.03
45	6.29E-01	0.94
44	6.51E-01	0.94
170	2.71E-01	0.89
0	5.70E-01	1.79
0	6.69E-01	0.63
461	7.24E-01	0.97
1048	5.42E-01	1.06
0	7.09E-01	0.59
1048	4.91E-01	1.07
0	7.47E-01	0.78
1	3.36E-01	1.32
0	1.57E-01	0.13
0	8.20E-01	1.22
12	5.05E-01	1.12
3	4.77E-01	1.17
0	8.92E-01	0.95
0	5.02E-01	1.60
1	3.72E-01	0.45
1437	4.44E-01	0.91
0	6.43E-02	4.08
524	7.33E-01	1.03
0	9.35E-01	0.94
0	6.78E-01	0.73
0	2.75E-01	3.14
1443	1.11E-01	1.25
2	4.37E-01	0.78
6	1.44E-01	1.30

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.59E-01	0.82
0	8.87E-01	1.12
0	8.40E-01	1.06
0	5.20E-01	1.64
0	2.45E-01	1.35
0	6.18E-01	0.49
0	1.93E-01	2.55
1	9.50E-01	1.03
0	1.57E-01	0.19
0	8.04E-02	6.51
1	1.14E-01	0.56
0	9.26E-01	1.07
0	3.74E-01	0.54
0	2.72E-01	1.79
0	7.71E-02	0.11
0	8.96E-01	1.06
141	3.72E-01	0.91
1	8.60E-01	0.91
16	9.89E-01	1.00
1	3.69E-01	0.80
0	7.14E-01	0.84
2	6.52E-02	1.46
2	6.60E-02	1.46
0	1.81E-01	0.13
0	2.83E-01	3.21
2	8.88E-01	1.03
2	7.40E-02	1.44
0	5.49E-01	1.50
0	2.00E-01	0.31
0	8.11E-01	0.78
0	8.26E-02	4.57
0	8.47E-01	1.16
0	6.51E-01	0.63
0	8.22E-02	0.40
0	4.93E-01	1.84
11	1.04E-01	1.28
283	5.51E-01	0.95
0	9.48E-01	0.97
10	1.11E-01	1.28
0	8.06E-01	0.70
3	1.25E-01	0.69
0	4.86E-01	2.00
0	4.66E-01	0.62

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.38E-01	1.72
537	6.34E-01	0.96
0	7.61E-01	0.74
0	7.10E-01	0.67
47	7.46E-01	1.04
0	1.98E-01	3.58
0	1.35E-01	4.28
0	3.87E-02	3.92
37	8.57E-01	0.98
0	7.54E-01	1.55
0	8.71E-01	0.89
0	6.90E-01	0.64
0	6.48E-01	0.83
0	4.08E-01	1.86
0	9.31E-01	0.93
0	8.67E-01	1.08
0	5.83E-01	0.45
0	4.44E-01	0.34
182	6.82E-01	1.04
1	5.35E-01	0.79
6	7.81E-01	0.93
234	9.37E-01	0.99
0	7.03E-01	1.36
357	5.50E-01	0.95
0	3.41E-01	0.31
11	8.41E-01	1.03
1089	4.19E-01	1.09
0	2.36E-01	1.34
0	5.61E-03	0.32
0	6.79E-01	0.73
0	7.08E-01	1.84
80	5.01E-01	1.07
0	6.65E-01	1.67
89	5.04E-01	1.08
0	2.36E-02	0.23
0	4.58E-01	0.66
0	1.10E-01	2.15
0	8.97E-01	1.12
229	1.90E-01	0.88
1	9.63E-02	0.63
125	6.40E-01	0.95
2	6.34E-01	0.79
11	3.63E-01	0.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

11	4.17E-01	1.14
0	8.76E-01	0.81
1	7.22E-01	1.18
3	3.76E-02	1.60
0	7.74E-01	1.23
1	2.61E-01	1.35
0	5.22E-01	0.63
0	5.57E-01	0.59
0	5.46E-01	0.40
1	7.40E-01	0.88
0	6.69E-01	0.81
0	6.36E-01	1.43
0	8.76E-01	0.79
2	1.31E-01	0.69
0	8.89E-01	0.80
0	6.39E-02	0.09
0	1.43E-01	1.92
221	4.66E-01	0.93
145	4.30E-01	0.92
0	5.81E-01	0.65
0	8.70E-01	1.13
0	5.52E-01	2.06
744	3.78E-01	0.92
0	7.31E-01	0.68
0	3.80E-01	0.32
0	1.38E-01	0.43
0	6.26E-01	2.13
1	5.89E-01	0.85
1	7.56E-01	0.91
94	2.73E-01	1.12
0	5.29E-01	1.22
0	7.47E-02	2.22
87	4.47E-01	1.08
0	9.09E-01	0.93
0	1.80E-01	3.49
740	4.10E-01	1.08
0	2.06E-01	1.77
0	8.58E-01	1.14
10	9.89E-01	1.00
51	2.68E-01	1.14
10	9.95E-01	1.00
0	2.01E-02	9.03
1921	3.81E-01	0.25

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.28E-01	0.48
0	5.93E-01	1.77
0	6.46E-01	1.41
1922	1.00E+00	0.97
0	5.69E-01	0.46
7	9.14E-01	0.98
0	8.55E-01	0.95
105	4.95E-01	1.07
5	4.06E-01	1.18
1	1.00E+00	1.00
0	9.40E-01	0.96
0	7.57E-01	0.82
0	3.42E-01	1.81
0	4.15E-03	10.27
0	3.39E-01	0.39
0	5.82E-01	1.47
0	4.95E-01	1.75
193	7.16E-01	0.97
0	4.58E-01	1.71
46	4.34E-01	0.90
297	1.79E-01	0.88
0	2.76E-01	0.49
2	7.59E-01	1.09
0	1.01E-01	0.29
0	3.68E-01	2.92
0	6.24E-01	1.37
0	8.76E-01	0.88
0	7.53E-01	0.76
0	3.57E-01	2.69
0	6.52E-01	0.68
6	9.12E-01	0.98
0	7.92E-01	1.16
206	6.00E-01	1.05
0	7.37E-01	0.84
0	1.99E-01	3.03
0	3.95E-02	0.22
14	5.88E-01	1.09
0	2.44E-01	2.70
1791	8.21E-02	1.53
1349	1.03E-01	0.82
0	1.54E-01	3.56
1299	4.68E-01	0.92
0	3.30E-01	2.92

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.87E-01	0.61
0	5.29E-01	1.33
0	8.24E-01	0.73
987	6.46E-01	0.95
0	7.93E-01	1.09
0	7.53E-01	0.64
0	9.99E-01	1.00
0	8.92E-01	1.14
1	3.00E-01	1.37
0	2.14E-01	0.60
1	9.39E-01	1.05
0	1.53E-01	0.52
0	1.29E-02	0.33
212	3.03E-01	1.10
364	1.38E-01	0.87
364	1.37E-01	0.87
0	7.38E-01	1.42
0	6.59E-01	1.14
1	7.14E-01	1.11
824	3.44E-01	0.91
1	3.13E-01	1.39
0	7.69E-01	0.66
0	9.14E-01	0.88
820	4.35E-01	0.93
431	8.41E-01	1.02
430	8.28E-01	1.02
427	7.73E-01	1.03
427	8.25E-01	1.02
426	8.25E-01	1.02
425	8.31E-01	1.02
427	8.53E-01	1.02
427	8.35E-01	1.02
0	4.45E-02	2.74
0	6.96E-01	0.70
0	2.25E-01	4.06
0	1.41E-01	3.07
0	7.18E-01	1.33
0	5.64E-01	0.64
0	3.22E-01	2.70
0	4.56E-01	0.68
2	9.99E-01	1.00
12	2.21E-01	1.20
1070	7.02E-01	0.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.50E-01	2.37
1533	4.68E-01	1.12
0	5.87E-01	0.48
1922	1.00E+00	0.97
0	2.32E-01	3.64
0	9.77E-01	0.98
3	6.85E-01	0.89
0	4.23E-02	3.41
0	4.85E-01	2.05
135	5.74E-01	0.94
0	5.16E-01	0.61
1	2.33E-01	1.60
137	6.94E-01	0.96
0	9.62E-01	1.08
0	4.77E-01	0.58
0	2.04E-01	0.16
1	7.84E-01	1.13
0	6.96E-01	1.41
0	8.04E-01	0.70
0	6.69E-01	1.30
0	4.68E-04	11.55
19	6.28E-01	0.93
1702	2.55E-01	0.80
0	7.24E-01	1.31
5	2.92E-01	1.23
123	4.92E-01	1.07
0	2.07E-01	3.57
1422	9.43E-01	0.99
3	3.40E-01	1.31
1	1.72E-01	0.60
0	7.95E-01	0.85
869	7.02E-01	0.97
0	8.06E-01	0.82
1840	9.36E-01	0.98
8	6.16E-01	1.09
1	1.31E-01	0.64
0	6.16E-01	0.51
0	4.78E-01	0.66
0	2.66E-01	0.27
0	4.80E-01	0.39
0	8.18E-01	1.30
0	7.28E-01	1.29
117	1.26E-01	0.85

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.72E-01	0.90
0	2.75E-01	3.52
1597	8.04E-01	1.04
1921	2.22E-01	0.08
0	4.29E-01	2.26
740	2.35E-01	1.11
0	8.24E-01	0.72
1258	9.88E-01	1.00
1	1.78E-01	1.44
0	6.02E-01	1.74
1	4.63E-02	0.55
42	5.78E-01	0.93
1	3.91E-01	1.27
11	9.33E-02	0.76
0	1.72E-01	3.20
0	9.77E-01	1.08
0	5.40E-01	0.49
0	9.91E-01	1.01
0	4.39E-01	0.47
3	2.23E-01	1.37
237	7.48E-02	0.84
5	9.85E-01	1.00
0	5.02E-01	0.73
0	6.94E-01	1.28
0	2.80E-01	1.93
0	2.37E-01	0.48
2	5.42E-01	0.87
0	4.00E-02	3.86
0	7.15E-01	0.68
0	8.08E-01	1.18
0	3.60E-01	0.30
0	2.76E-01	2.56
0	4.40E-01	0.35
0	2.36E-01	2.25
4	3.61E-01	0.81
0	9.39E-01	1.06
1	7.39E-01	0.61
0	6.56E-01	0.80
0	7.80E-01	1.18
181	3.07E-01	1.10
0	7.26E-01	1.36
0	1.56E-01	0.30
1921	6.88E-01	1.88

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.19E-01	1.18
0	9.32E-01	1.08
0	8.11E-01	0.65
0	5.77E-01	1.52
0	6.20E-01	1.74
0	2.67E-01	3.34
1071	8.24E-01	1.02
0	8.37E-01	1.09
0	8.63E-01	0.78
0	8.37E-01	0.91
0	4.84E-01	0.73
1921	7.60E-01	0.59
1431	8.97E-01	0.98
0	8.42E-01	0.88
1	4.93E-01	1.60
83	8.24E-01	0.98
1	3.75E-01	1.34
0	9.20E-01	1.05
14	8.89E-01	1.02
1183	4.19E-01	0.91
0	7.08E-01	1.30
0	5.26E-01	0.68
0	5.45E-01	1.31
0	5.78E-01	1.46
0	5.76E-01	0.55
0	4.07E-01	0.36
6	3.02E-01	1.26
0	9.10E-01	1.11
447	6.58E-01	0.96
1	5.19E-01	0.81
1	1.79E-01	0.61
1	5.46E-01	0.80
0	2.96E-01	2.48
1	2.87E-01	1.47
0	8.32E-01	0.74
54	5.11E-01	1.08
4	9.80E-02	1.41
0	1.26E-01	0.15
0	4.00E-01	2.01
0	2.53E-01	2.82
303	8.78E-01	1.01
0	8.76E-01	1.17
0	5.85E-01	0.66

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1422	9.91E-01	1.00
1422	9.91E-01	1.00
0	3.79E-01	2.49
0	8.85E-01	1.23
0	1.10E-02	0.03
1602	2.86E-01	1.18
1	8.92E-01	1.05
0	4.62E-01	0.36
0	1.02E-01	2.67
0	6.94E-01	1.27
0	9.98E-01	1.00
0	3.25E-01	1.67
0	2.78E-01	2.96
2	2.47E-01	0.65
2	6.03E-01	0.87
0	6.54E-01	1.35
0	2.79E-01	2.56
717	5.03E-01	0.94
0	6.34E-01	0.51
0	9.84E-01	1.01
0	4.35E-01	1.69
1	7.05E-02	0.24
10	7.71E-01	1.05
17	8.71E-01	0.97
86	2.49E-01	0.88
0	3.58E-01	1.76
44	9.65E-01	0.99
32	8.53E-01	1.02
924	9.80E-02	0.85
0	9.76E-01	0.97
0	7.70E-01	0.66
2	8.30E-02	1.56
0	1.55E-02	0.04
0	9.14E-01	0.96
0	4.27E-01	0.58
1	3.19E-01	1.31
0	6.95E-01	1.15
16	1.28E-01	1.28
0	9.01E-01	1.11
691	8.06E-01	0.98
52	1.06E-03	0.65
1005	3.67E-01	0.91
0	2.12E-01	4.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

178	4.85E-01	0.93
734	3.51E-02	1.21
30	2.13E-01	1.18
11	1.66E-01	0.79
0	8.40E-02	1.65
1300	9.61E-01	1.01
21	7.67E-01	1.05
4	3.09E-01	0.78
0	8.78E-01	0.94
150	1.18E-01	0.85
0	8.69E-01	0.85
0	7.91E-01	1.29
0	9.41E-01	0.98
144	1.90E-01	0.87
3	3.91E-01	1.26
0	6.94E-01	1.40
0	9.03E-01	0.95
0	9.03E-01	0.95
0	8.91E-01	0.85
1	5.78E-01	1.74
2	4.99E-02	1.51
0	8.45E-01	1.23
0	6.46E-01	1.39
1066	9.29E-01	0.99
1550	4.01E-01	0.89
0	5.25E-01	0.72
0	2.33E-01	0.36
0	2.86E-01	3.24
0	7.06E-01	0.66
0	3.82E-01	0.61
0	4.91E-01	1.46
1	3.07E-01	1.46
0	5.25E-01	0.76
0	3.83E-01	2.08
0	8.49E-01	0.80
0	8.74E-01	1.14
17	3.75E-01	1.14
0	6.81E-01	0.72
0	8.89E-01	0.82
1	5.12E-01	0.85
0	6.11E-01	1.46
0	4.39E-01	2.44
0	4.55E-02	0.16

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	8.72E-02	1.61
0	7.47E-01	1.15
0	3.13E-01	0.40
1	8.99E-01	0.96
1667	9.71E-01	0.99
1	9.05E-01	1.08
0	9.42E-01	0.92
2	9.38E-01	1.02
0	7.16E-01	1.46
0	2.68E-01	1.53
0	9.52E-01	0.96
0	3.97E-01	1.88
12	5.12E-01	0.88
1	5.77E-01	0.65
0	8.52E-01	1.07
0	7.79E-01	1.33
0	4.48E-01	2.17
0	5.70E-01	0.66
0	1.95E-01	0.46
0	7.68E-01	0.71
6	6.42E-03	0.55
0	2.31E-01	0.46
0	9.68E-01	1.02
174	8.29E-01	0.98
0	5.36E-01	0.41
0	1.78E-01	4.24
6	3.63E-01	1.18
454	4.91E-01	1.06
1	4.78E-01	1.68
1	5.81E-01	1.17
0	6.27E-01	0.57
0	4.88E-01	1.36
1922	1.00E+00	0.97
404	5.72E-01	1.05
0	4.73E-01	1.62
0	8.66E-01	0.91
15	4.25E-01	1.13
0	6.16E-01	1.25
0	8.91E-01	1.07
0	8.12E-01	1.18
4	2.00E-03	1.83
33	1.70E-01	0.83
0	6.19E-01	1.34

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.08E-01	1.12
480	7.41E-02	1.18
0	5.67E-03	13.18
0	1.76E-01	4.62
19	4.41E-01	0.88
0	9.32E-01	0.91
0	5.10E-01	1.44
0	4.42E-01	1.94
0	1.39E-01	0.46
1	4.18E-01	1.75
1	6.98E-01	1.15
32	7.98E-01	1.04
28	6.86E-01	1.06
29	7.32E-01	1.05
28	6.41E-01	1.06
0	7.54E-01	1.38
28	3.32E-01	0.87
966	6.87E-01	0.96
681	8.05E-01	1.02
967	6.25E-01	0.95
0	6.23E-01	0.61
7	9.29E-01	0.98
35	7.39E-01	1.04
6	2.54E-01	1.22
196	2.81E-01	0.90
196	2.81E-01	0.90
196	2.86E-01	0.90
194	3.28E-01	0.91
194	3.38E-01	0.91
194	3.43E-01	0.91
194	3.44E-01	0.91
194	2.83E-01	0.90
194	2.85E-01	0.90
194	2.92E-01	0.90
194	2.92E-01	0.90
194	2.98E-01	0.90
194	3.04E-01	0.91
194	3.39E-01	0.91
194	3.39E-01	0.91
194	3.51E-01	0.91
194	3.45E-01	0.91
194	3.45E-01	0.91
194	3.45E-01	0.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

194	3.53E-01	0.91
194	3.53E-01	0.91
194	3.54E-01	0.91
12	4.69E-01	1.14
378	4.96E-01	0.94
8	5.59E-01	1.12
162	2.55E-01	0.89
0	3.02E-01	3.84
0	3.17E-01	0.66
43	1.04E-01	0.81
0	7.77E-02	0.11
0	3.35E-01	0.49
0	5.64E-01	0.66
0	6.31E-01	0.80
301	9.07E-01	1.01
32	6.84E-01	1.06
32	6.86E-01	1.06
0	8.47E-01	1.22
0	8.53E-01	1.26
134	7.67E-01	1.03
0	2.63E-01	0.26
0	9.30E-01	1.07
2	5.60E-02	0.53
0	3.19E-01	0.66
0	9.92E-01	1.00
0	5.53E-01	1.62
0	1.18E-01	3.72
0	8.23E-01	1.15
0	5.59E-01	0.43
0	5.07E-01	1.41
1	5.97E-01	0.83
3	1.73E-01	0.66
40	1.68E-01	0.82
637	9.16E-01	1.01
0	7.46E-02	4.46
0	8.40E-01	0.92
1	7.34E-01	1.41
1	5.13E-01	1.66
0	6.88E-01	1.60
0	7.69E-01	1.18
0	2.59E-01	3.49
4	2.85E-01	1.26
0	9.62E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.44E-01	1.94
0	2.83E-01	1.79
0	5.58E-01	1.89
1604	5.58E-01	0.91
0	2.96E-01	2.44
4	7.74E-01	0.93
1921	9.35E-01	0.85
0	8.48E-01	1.09
198	8.28E-01	0.98
0	4.02E-01	2.17
0	6.97E-01	1.37
0	1.67E-01	0.30
0	8.87E-01	0.85
0	4.79E-01	2.04
0	7.12E-01	1.28
58	6.33E-01	0.94
0	4.43E-01	0.51
0	7.27E-01	0.69
1662	2.28E-01	0.83
0	8.21E-02	0.29
0	1.81E-01	1.91
0	6.45E-01	0.65
6	2.02E-01	1.31
0	4.60E-01	0.59
0	3.96E-01	0.39
163	3.87E-01	0.92
5	6.15E-01	1.13
0	7.56E-01	0.76
162	7.88E-04	0.71
0	2.53E-01	2.76
0	2.57E-01	1.72
5	6.15E-01	1.13
0	7.49E-01	0.65
37	1.35E-01	1.21
34	1.28E-01	1.22
0	4.48E-01	0.66
0	2.29E-01	0.21
1	6.31E-01	0.84
0	3.25E-01	1.84
6	6.39E-01	1.11
1794	9.80E-01	0.99
0	7.54E-02	0.48
383	5.60E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.93E-01	0.70
0	8.88E-01	1.16
0	1.24E-01	4.04
0	2.81E-01	2.57
165	9.15E-01	0.99
0	2.91E-02	3.13
1	2.42E-01	0.69
2	2.42E-02	0.54
0	1.00E+00	1.00
49	5.97E-01	1.06
1	7.13E-01	0.89
0	9.08E-01	0.84
0	2.81E-01	3.19
9	4.46E-01	1.13
0	5.79E-01	0.42
0	9.87E-01	0.99
0	3.88E-01	1.92
0	7.17E-01	1.66
0	3.12E-02	0.09
206	8.04E-01	0.98
0	7.30E-02	0.40
0	1.76E-01	1.86
0	2.95E-01	0.33
2	6.41E-02	0.52
6	7.51E-01	0.94
2	8.30E-01	0.92
8	5.22E-01	0.88
0	6.96E-01	1.25
0	7.28E-02	0.13
0	2.02E-02	3.72
2	1.56E-01	1.50
1	8.65E-01	0.96
345	2.58E-01	0.90
2	2.65E-02	0.38
0	9.95E-01	1.00
220	4.58E-01	0.93
0	8.64E-01	1.30
0	1.66E-01	2.49
0	8.92E-01	1.05
1	5.71E-01	1.22
0	1.72E-01	2.49
0	2.50E-02	0.06
0	3.97E-01	0.69

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

20	4.73E-01	1.12
0	5.84E-01	0.71
0	4.30E-02	0.07
0	9.43E-01	1.06
0	5.99E-01	0.77
0	6.51E-01	0.80
0	2.67E-01	1.30
0	7.27E-01	0.89
379	5.71E-01	1.05
0	9.05E-01	0.87
0	3.91E-02	9.74
0	4.14E-01	2.43
0	6.29E-01	1.43
84	9.14E-01	0.99
0	6.72E-01	0.59
5	8.55E-01	0.97
2	3.33E-01	1.22
0	3.80E-01	2.22
55	2.21E-01	0.86
0	5.52E-01	0.43
5	8.56E-01	1.04
0	4.86E-01	0.38
0	5.42E-01	1.42
0	3.28E-02	7.30
0	4.06E-01	2.70
0	3.46E-01	2.83
0	8.40E-01	0.81
0	5.39E-01	0.43
0	2.16E-01	1.63
0	6.35E-01	0.88
6	8.00E-01	0.95
0	3.71E-01	1.38
7	2.34E-01	1.24
18	4.57E-01	1.11
0	5.66E-01	0.46
0	7.17E-01	0.72
0	9.07E-01	1.07
0	7.43E-01	1.25
0	5.67E-01	0.68
0	6.34E-01	0.75
0	3.34E-02	2.56
0	5.87E-01	1.51
0	2.37E-01	1.57

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.13E-01	4.31
0	1.78E-01	5.34
0	8.90E-01	1.15
0	7.12E-02	4.57
0	9.26E-01	1.09
0	3.99E-01	1.59
0	7.40E-01	1.14
0	9.35E-02	2.96
0	3.49E-01	0.55
0	3.83E-01	2.09
0	7.12E-02	4.57
0	9.42E-03	0.11
0	5.84E-01	1.27
0	1.27E-01	5.97
0	3.95E-01	2.30
0	3.37E-01	1.49
0	6.37E-01	1.30
43	7.10E-01	1.05
0	6.15E-01	0.53
0	2.23E-01	0.48
0	4.02E-01	0.33
0	2.83E-01	0.19
0	1.96E-01	0.36
0	1.27E-01	5.97
258	6.83E-01	0.96
91	7.50E-01	1.04
756	7.92E-01	1.02
0	3.61E-01	2.77
1	5.07E-01	1.26
0	1.88E-01	0.32
0	6.07E-01	1.49
0	9.17E-01	0.97
0	1.88E-01	1.35
0	1.88E-01	1.35
0	7.88E-01	0.78
0	6.15E-01	0.62
0	9.10E-01	0.90
0	8.15E-01	0.89
0	3.50E-01	1.62
0	3.83E-01	0.30
1	8.50E-01	0.94
0	4.40E-01	3.03
0	1.47E-02	6.33

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.27E-01	1.23
109	6.19E-02	0.82
0	5.00E-01	1.52
14	4.79E-01	0.89
0	7.50E-01	0.64
0	4.10E-01	0.51
1788	3.02E-01	1.30
0	7.27E-02	6.86
345	8.04E-01	1.02
0	4.08E-01	0.32
0	5.43E-01	2.38
1	1.31E-01	0.52
0	9.93E-01	1.01
1	8.29E-01	0.93
1922	1.00E+00	0.97
1	1.38E-01	0.55
0	2.24E-01	1.90
0	4.89E-01	0.38
0	3.57E-01	2.79
0	9.40E-01	0.95
0	8.90E-01	1.11
0	9.68E-01	1.04
0	7.15E-01	1.43
0	9.97E-01	1.00
7	6.12E-01	0.92
310	5.37E-01	1.06
0	3.57E-01	0.30
0	5.92E-01	1.66
0	4.62E-01	2.63
0	5.09E-01	0.57
1	9.51E-01	0.92
0	3.31E-01	2.75
0	8.32E-01	0.73
0	8.84E-01	1.07
0	4.05E-01	0.43
156	1.44E-01	0.86
155	1.99E-01	0.87
155	2.03E-01	0.88
155	2.20E-01	0.88
0	1.83E-01	4.48
0	6.85E-01	0.69
34	3.16E-01	0.87
0	5.82E-01	0.47

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.65E-01	1.83
0	9.77E-01	1.03
0	7.28E-01	0.77
0	1.24E-01	0.14
1	3.70E-01	1.41
0	9.89E-02	0.39
317	7.66E-01	0.97
2	6.43E-02	1.49
527	8.39E-01	0.98
0	6.44E-01	1.41
0	5.83E-01	1.51
0	7.04E-01	1.17
0	7.54E-01	0.72
0	2.49E-01	0.41
0	2.31E-01	0.41
1	9.00E-01	1.04
0	5.91E-01	1.23
0	2.17E-01	1.76
0	1.23E-01	0.63
0	6.45E-01	1.36
0	5.47E-01	2.05
0	5.30E-01	1.88
252	7.44E-01	0.97
16	3.11E-01	0.85
0	4.00E-01	0.71
0	2.87E-01	0.62
2	7.39E-01	0.90
0	1.56E-01	0.28
0	6.04E-01	1.73
1	7.17E-01	0.82
0	9.28E-01	0.88
56	9.94E-01	1.00
0	4.42E-02	0.36
0	9.82E-01	1.02
0	2.48E-01	2.95
8	9.35E-01	0.99
0	5.62E-01	1.45
0	8.27E-01	0.81
2	1.58E-01	1.45
39	9.63E-01	1.01
3	5.41E-01	0.84
0	6.57E-01	0.55
11	7.54E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.41E-01	1.63
11	9.82E-01	1.00
2	1.66E-01	0.64
3	3.14E-01	0.76
1282	1.05E-01	0.83
0	1.83E-01	2.11
3	1.52E-01	0.63
0	9.77E-01	0.99
0	5.31E-01	1.31
0	6.06E-01	1.33
0	5.31E-01	1.31
0	6.06E-01	1.33
0	1.30E-01	2.10
0	4.73E-01	0.38
6	2.16E-01	1.26
0	4.67E-01	0.36
0	5.68E-01	0.77
0	5.84E-01	1.52
0	2.50E-01	0.75
54	9.91E-01	1.00
0	2.34E-01	2.88
0	4.80E-01	2.51
0	3.64E-01	0.47
0	8.88E-01	1.14
3	5.99E-01	1.14
0	6.86E-01	1.41
0	1.81E-01	0.21
3	7.70E-01	1.09
27	3.79E-01	1.13
0	2.02E-01	3.26
0	7.33E-03	2.34
0	3.74E-01	0.42
0	8.07E-01	1.35
23	1.31E-01	1.24
423	2.98E-02	1.21
0	7.96E-01	0.80
45	1.64E-01	1.18
0	7.68E-01	1.37
0	4.52E-01	0.36
0	8.01E-01	1.18
4	4.23E-01	0.83
0	8.72E-01	0.91
0	6.25E-01	0.80

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.14E-01	0.71
0	3.41E-01	1.73
1922	1.00E+00	0.97
1219	1.07E-02	1.34
0	4.17E-01	2.01
0	5.18E-02	4.91
0	1.56E-01	0.28
395	5.19E-01	0.94
0	7.30E-01	0.62
0	4.05E-01	0.31
0	7.07E-01	1.45
0	7.07E-01	1.45
0	7.07E-01	1.45
0	7.07E-01	1.45
0	7.07E-01	1.45
394	5.30E-01	0.94
0	3.26E-01	0.47
0	3.35E-01	0.47
75	1.66E-01	1.17
0	8.38E-01	0.86
0	9.54E-01	1.09
0	7.61E-01	1.62
50	1.99E-01	0.85
103	3.93E-01	0.91
103	4.90E-01	0.93
0	7.27E-01	0.73
0	1.61E-01	0.13
0	9.03E-01	0.93
0	7.52E-01	1.10
1305	5.68E-01	1.07
15	7.79E-01	1.05
58	5.14E-01	0.92
1920	9.31E-01	1.15
677	7.50E-01	1.03
0	3.80E-01	0.32
1919	9.31E-01	1.15
1305	5.79E-01	1.07
0	5.70E-01	1.80
47	7.02E-01	0.95
2	1.28E-01	0.60
65	6.77E-01	0.95
56	5.64E-01	0.93
1	3.59E-01	0.72

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

66	3.98E-01	0.91
0	1.14E-01	0.12
66	4.41E-01	0.91
0	1.14E-01	0.12
0	7.34E-01	1.11
67	4.87E-01	0.92
65	8.13E-01	0.97
0	1.56E-01	0.13
0	6.33E-01	0.56
0	6.88E-01	1.71
789	1.80E-01	0.88
1	9.96E-01	1.00
0	3.34E-01	2.46
0	5.83E-01	0.53
0	2.58E-01	2.25
2	7.07E-01	0.91
952	3.50E-01	1.10
233	5.88E-01	0.95
232	5.98E-01	0.95
20	8.28E-01	1.03
25	6.52E-01	1.07
0	5.57E-01	1.91
25	5.58E-01	1.08
0	3.31E-02	8.58
468	6.90E-01	0.97
0	3.30E-01	2.29
26	9.20E-01	0.99
96	8.53E-02	1.20
0	4.09E-01	2.52
15	5.65E-01	0.91
0	7.34E-01	0.62
15	4.76E-01	0.89
582	7.66E-01	1.03
0	7.72E-01	0.66
90	9.11E-02	0.82
0	3.89E-01	0.32
2	5.76E-01	0.84
0	7.77E-01	0.81
0	2.41E-01	2.36
0	4.37E-01	0.52
0	6.98E-01	0.73
1386	6.85E-01	0.95
0	6.81E-03	8.48

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

12	7.16E-01	0.94
1377	8.07E-01	0.97
6	3.16E-01	1.20
19	6.89E-02	1.31
1	3.28E-01	1.44
0	4.10E-01	0.71
10	8.31E-01	0.97
0	2.91E-01	1.65
9	3.82E-01	0.84
0	4.91E-01	1.87
0	6.57E-01	0.60
0	5.15E-02	4.16
0	3.93E-01	1.66
12	4.76E-01	0.89
0	7.71E-01	1.32
0	1.78E-01	3.01
0	3.44E-01	0.31
0	8.75E-01	0.92
0	8.22E-01	1.42
0	9.36E-02	0.25
0	9.78E-01	1.02
154	5.85E-01	0.95
0	7.80E-01	1.23
2	1.83E-01	0.73
0	3.39E-01	1.80
137	9.28E-01	0.99
0	3.96E-01	0.33
2	1.70E-01	1.46
0	3.49E-01	1.39
2	9.60E-01	0.97
167	3.40E-01	1.10
168	3.92E-01	1.09
0	5.47E-01	0.54
0	1.01E-01	6.82
0	7.74E-01	1.18
0	1.51E-01	0.16
0	5.53E-01	0.57
332	5.32E-01	0.94
0	5.86E-01	1.65
182	5.07E-01	1.07
72	2.44E-01	0.87
0	6.84E-01	1.36
0	9.84E-01	1.03

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.90E-02	0.06
0	7.56E-01	0.81
1920	3.51E-01	0.17
0	7.75E-01	1.38
0	7.35E-01	1.31
1	6.78E-01	0.76
0	1.52E-01	0.38
0	7.38E-01	1.42
354	4.89E-01	0.94
0	3.86E-01	2.26
0	7.68E-01	1.28
3	2.55E-01	0.77
0	8.38E-01	1.24
0	9.93E-01	1.01
0	7.03E-01	0.56
0	2.81E-02	10.37
0	1.69E-01	0.66
0	5.56E-01	1.68
0	2.65E-01	1.66
0	9.87E-02	0.23
0	1.09E-01	4.82
0	3.53E-01	2.13
244	6.28E-01	1.05
0	6.10E-01	0.47
0	6.99E-01	1.89
0	5.57E-01	0.60
0	2.51E-02	0.07
0	4.57E-01	0.35
1	1.04E-01	0.60
49	1.88E-01	0.85
553	4.68E-01	0.94
0	8.18E-01	0.71
0	5.48E-01	1.91
0	1.11E-01	5.67
3	9.47E-01	1.02
0	8.92E-01	0.82
0	3.84E-01	1.71
4	2.42E-01	1.36
0	4.84E-01	2.09
26	8.33E-01	1.03
0	5.06E-01	3.16
0	6.19E-01	1.36
0	7.03E-01	0.56

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.78E-01	2.51
0	3.78E-01	2.51
0	4.92E-01	0.74
0	7.40E-01	1.13
0	8.81E-01	0.86
2	1.33E-02	2.20
0	6.22E-01	2.27
0	6.05E-01	0.67
1	7.50E-01	1.08
0	7.15E-01	0.62
0	9.37E-01	0.95
0	9.60E-01	1.08
0	7.41E-01	1.46
0	3.97E-01	1.51
0	7.41E-01	0.63
0	3.26E-01	0.51
1922	1.00E+00	0.97
0	2.81E-02	10.37
0	8.38E-01	1.26
0	1.69E-01	3.83
0	3.52E-01	2.63
2	2.97E-01	1.25
0	9.29E-01	1.06
0	1.67E-01	0.18
0	4.11E-02	0.35
0	3.60E-01	0.47
185	9.37E-01	0.99
0	2.50E-01	3.67
0	5.28E-01	1.47
1922	1.00E+00	0.97
1610	6.76E-01	0.94
0	1.86E-01	0.34
0	9.53E-01	1.06
711	3.73E-01	1.09
1	2.79E-02	2.46
0	3.16E-01	2.38
0	2.28E-02	7.94
0	4.62E-01	1.92
0	5.70E-01	1.76
0	5.28E-01	1.25
7	2.15E-01	1.28
266	7.33E-01	1.03
150	9.03E-01	0.99

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.49E-01	1.64
0	5.35E-01	0.58
0	3.47E-01	0.74
0	5.22E-01	1.30
0	7.75E-01	0.66
0	7.44E-01	1.33
55	7.41E-04	0.67
1	8.56E-01	0.92
1	9.00E-01	0.94
0	5.13E-01	0.65
0	8.67E-01	0.83
3	4.67E-01	0.71
0	6.80E-01	1.28
146	1.13E-01	1.17
146	1.11E-01	1.17
0	2.00E-01	4.00
36	9.19E-01	1.01
0	1.09E-01	4.36
7	8.40E-02	1.39
2	6.47E-01	0.87
0	4.44E-01	0.37
399	8.82E-02	0.86
0	6.04E-01	1.18
117	4.95E-01	0.93
0	9.80E-01	0.96
0	5.48E-01	0.55
362	1.54E-01	1.14
0	3.63E-01	2.73
0	9.10E-01	1.12
0	4.91E-01	1.75
0	8.22E-02	5.65
163	7.80E-01	1.03
0	1.88E-01	2.16
0	7.23E-01	1.42
804	2.71E-01	0.91
1921	7.30E-01	0.55
3	9.35E-01	1.03
0	2.27E-01	2.90
0	5.83E-01	1.15
1	3.56E-01	0.67
0	2.46E-02	7.56
1922	1.00E+00	0.97
1	9.00E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	8.57E-01	1.21
260	4.56E-02	1.21
0	3.88E-01	0.38
0	9.53E-01	1.08
0	2.90E-01	2.77
854	2.51E-01	0.90
0	1.80E-01	6.77
0	9.57E-01	1.05
838	1.16E-01	0.86
0	5.96E-01	1.33
230	2.86E-01	1.11
0	8.91E-01	1.08
0	7.80E-01	1.33
12	9.71E-01	1.01
1922	1.00E+00	0.97
218	3.92E-01	0.92
1	1.60E-01	0.61
79	1.81E-01	0.86
0	6.75E-01	0.81
770	9.98E-01	1.00
1	9.04E-01	1.19
54	9.90E-01	1.00
0	4.84E-01	1.99
0	9.43E-02	0.11
0	4.37E-02	3.20
0	2.34E-01	0.23
1922	1.00E+00	0.97
0	3.40E-01	0.68
0	3.33E-03	18.04
25	4.72E-01	0.90
65	4.04E-01	0.91
308	1.74E-01	0.88
0	7.02E-01	1.34
56	4.03E-01	0.90
0	2.72E-01	0.26
0	8.19E-02	3.40
0	3.71E-01	0.61
612	3.72E-02	0.83
0	8.47E-01	1.20
271	7.95E-02	0.85
1	8.74E-01	1.05
0	6.22E-01	0.75
0	6.19E-01	0.48

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

6	5.33E-01	0.89
78	5.86E-01	0.94
1	8.76E-01	0.94
0	4.04E-01	2.19
1	5.85E-01	0.84
3	9.00E-01	1.03
4	9.36E-01	1.02
0	5.52E-01	0.73
0	5.55E-01	0.75
1433	9.96E-01	1.00
84	7.69E-01	1.03
1282	2.74E-01	0.88
0	9.28E-01	0.95
31	6.25E-01	1.07
1	5.73E-01	1.21
5	2.47E-02	0.59
0	1.74E-01	3.49
0	9.58E-01	1.03
0	4.75E-01	1.85
0	6.14E-01	1.64
449	3.49E-01	0.92
0	1.53E-01	0.23
3	6.80E-01	0.89
0	4.60E-01	1.67
0	1.83E-01	3.18
0	7.76E-02	0.11
0	8.50E-01	1.22
0	8.00E-01	1.43
0	3.53E-01	1.45
1	2.69E-01	0.58
0	1.92E-01	1.80
1	7.57E-01	0.89
0	2.56E-01	1.77
1	3.14E-01	0.28
0	5.03E-01	1.44
6	7.31E-01	1.07
0	4.49E-01	0.45
0	3.27E-01	1.87
0	5.91E-01	0.54
0	9.29E-01	0.97
0	5.32E-01	1.25
223	8.59E-01	1.02
10	6.83E-01	1.07

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

183	8.51E-01	0.98
0	8.23E-01	0.73
184	9.07E-01	0.99
16	5.34E-01	0.91
16	5.34E-01	0.91
16	5.34E-01	0.91
0	5.61E-01	1.59
0	5.21E-01	0.45
14	6.26E-01	1.08
1	7.79E-01	0.90
0	4.15E-01	0.43
99	5.81E-01	1.06
595	6.66E-01	1.04
0	8.95E-01	1.11
0	8.70E-01	1.14
0	9.06E-01	0.83
115	9.15E-01	0.99
0	3.59E-01	0.35
0	7.84E-01	1.13
0	7.38E-01	1.26
0	8.18E-02	3.17
0	6.62E-01	0.76
13	7.59E-02	0.73
0	4.88E-01	1.84
0	4.66E-01	1.91
0	4.26E-01	0.54
15	5.60E-01	1.09
0	2.78E-01	2.21
431	7.49E-01	1.03
431	7.49E-01	1.03
0	8.94E-01	0.86
1	9.39E-01	0.98
0	5.70E-01	0.48
602	6.31E-01	1.04
1	9.33E-01	1.03
0	4.84E-02	4.19
2	8.21E-01	0.93
1	9.66E-01	0.99
169	5.47E-01	1.06
1	9.94E-01	1.00
0	3.34E-01	0.50
142	9.01E-01	1.01
640	4.92E-01	1.06

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.71E-01	0.17
1922	1.00E+00	0.97
0	7.47E-01	1.68
0	8.96E-01	0.82
0	1.32E-01	4.80
0	2.96E-01	0.27
0	8.14E-01	1.25
0	2.76E-01	3.36
0	7.82E-01	0.89
0	2.58E-01	2.55
0	2.02E-01	0.34
0	3.61E-01	2.60
0	2.02E-01	0.34
0	2.45E-01	0.34
0	2.77E-01	1.83
311	8.49E-01	1.02
0	9.14E-01	0.85
101	3.07E-01	1.12
0	6.42E-01	1.52
0	8.80E-01	1.10
972	7.58E-01	0.97
971	7.60E-01	0.97
972	7.58E-01	0.97
2	8.90E-01	0.94
0	4.93E-01	0.54
7	9.74E-02	1.40
0	3.83E-01	1.51
0	8.97E-01	0.93
0	8.28E-01	1.15
0	8.81E-01	1.06
4	3.19E-01	0.68
1	5.59E-01	1.33
1	1.05E-01	0.33
1161	7.15E-01	1.04
1309	8.53E-01	1.02
1309	8.53E-01	1.02
1	4.30E-01	0.61
5	4.20E-01	0.85
35	9.94E-01	1.00
0	9.48E-01	0.96
0	1.09E-01	1.74
613	3.58E-01	1.09
0	8.60E-01	1.07

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

50	5.32E-01	1.08
0	8.92E-01	0.85
0	2.76E-03	36.56
1	5.06E-01	0.76
0	4.99E-01	0.53
5	6.48E-01	0.92
0	3.13E-01	2.99
1922	1.00E+00	0.97
3	9.80E-01	1.01
62	7.39E-01	0.96
0	4.31E-01	2.34
0	5.05E-01	0.65
0	2.22E-01	0.48
21	3.66E-01	0.87
0	9.18E-01	1.18
0	7.58E-01	0.77
12	1.54E-02	1.51
37	3.33E-01	0.88
85	4.46E-01	1.09
28	6.73E-01	0.94
0	7.78E-01	0.88
0	1.60E-01	2.16
3	9.14E-01	0.97
1477	6.05E-01	0.93
0	9.84E-01	0.98
0	5.07E-01	0.48
1	9.75E-01	1.01
9	3.81E-01	0.86
0	5.00E-01	0.50
0	5.17E-01	0.42
1	8.15E-01	1.09
0	4.85E-02	0.06
0	1.95E-01	0.47
0	6.17E-01	0.71
0	8.91E-01	1.13
0	9.14E-01	1.10
1588	6.19E-01	0.92
0	2.83E-01	0.49
65	6.52E-01	1.05
7	7.44E-01	1.06
0	2.03E-01	3.18
0	1.78E-01	0.19
0	2.17E-01	3.28

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.75E-01	0.56
28	9.92E-01	1.00
0	9.01E-01	1.11
0	1.08E-01	0.41
0	3.05E-01	0.43
0	8.11E-02	5.35
0	9.46E-01	1.08
0	9.96E-01	1.00
0	9.54E-01	0.96
0	9.78E-01	1.03
0	9.21E-01	0.90
0	8.02E-01	1.27
0	1.20E-01	0.28
0	4.59E-01	2.09
16	4.58E-01	0.89
0	2.38E-01	2.84
32	8.89E-01	1.02
0	5.97E-01	0.62
0	3.51E-01	3.08
0	8.75E-01	0.86
0	8.75E-01	0.86
0	6.74E-02	2.80
0	1.62E-01	0.57
0	5.67E-01	1.76
0	7.39E-01	0.91
0	3.74E-02	0.11
0	5.11E-01	1.95
0	9.52E-01	1.04
888	6.54E-02	1.19
0	7.61E-02	3.48
0	1.57E-01	3.45
0	4.72E-01	1.87
0	3.81E-01	0.40
0	2.13E-01	3.97
0	4.42E-01	1.22
0	1.42E-02	4.96
0	9.37E-01	1.03
0	5.42E-01	0.58
724	3.59E-01	0.92
0	6.01E-01	1.76
0	1.90E-02	0.14
0	7.67E-02	2.11
22	8.79E-03	0.66

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.08E-01	1.37
11	6.23E-01	1.10
16	4.06E-01	0.86
6	1.03E-01	0.66
0	7.21E-01	1.24
5	6.89E-01	1.08
4	4.73E-01	1.17
0	6.37E-01	0.80
10	3.40E-01	0.83
0	8.22E-02	3.13
16	4.90E-01	0.89
681	5.77E-01	0.95
0	3.28E-01	2.21
23	2.27E-03	0.62
0	5.21E-02	0.10
18	2.96E-02	0.71
0	9.39E-01	0.89
0	6.54E-01	1.49
0	4.41E-01	1.27
0	6.53E-01	0.70
29	5.62E-01	0.93
30	5.64E-01	0.93
0	8.77E-01	0.90
0	8.82E-01	1.13
453	5.99E-01	1.05
2	4.06E-01	1.21
0	5.66E-01	0.63
2	2.81E-01	1.35
14	4.56E-01	0.89
0	5.32E-01	0.62
2	2.92E-01	1.44
161	2.56E-01	1.11
14	4.01E-01	1.16
14	3.85E-01	1.17
0	4.01E-01	1.61
915	1.82E-01	0.88
7	1.96E-01	1.29
0	4.63E-01	1.52
0	4.11E-01	0.64
0	3.85E-01	0.32
16	2.42E-01	1.21
0	7.58E-02	3.26
0	7.33E-01	0.70

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.12E-02	5.98
0	3.83E-01	2.28
21	3.76E-01	0.88
0	3.64E-01	1.81
0	5.63E-01	0.66
0	2.42E-01	2.38
0	4.67E-01	1.91
0	2.00E-01	2.56
65	1.61E-01	1.18
0	8.45E-01	1.64
0	9.58E-01	1.07
1	1.79E-01	1.75
56	4.54E-01	0.92
91	5.15E-01	1.07
0	5.81E-02	0.19
0	2.62E-01	0.62
0	4.80E-01	1.90
0	2.93E-01	2.38
0	9.22E-02	1.92
0	8.31E-01	0.74
0	2.91E-01	2.42
0	5.63E-01	0.78
0	5.18E-01	0.52
0	4.07E-01	0.36
0	6.14E-01	0.66
0	5.41E-01	0.77
69	5.43E-01	1.07
101	1.04E-01	1.19
0	3.42E-01	1.61
4	9.90E-01	1.00
0	8.28E-01	0.82
0	3.17E-01	1.73
454	2.45E-01	0.90
54	6.93E-01	0.95
53	6.46E-01	0.95
0	7.03E-01	0.74
52	8.40E-01	0.98
0	9.48E-01	1.10
0	2.16E-01	0.40
51	4.42E-01	0.91
196	2.90E-01	0.90
0	3.17E-01	1.85
0	9.45E-01	1.07

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.66E-01	3.81
0	8.66E-01	1.31
0	3.81E-01	1.52
0	9.57E-01	0.92
0	5.57E-01	1.45
352	8.68E-01	1.02
0	4.82E-01	0.55
0	2.25E-01	2.09
9	9.83E-01	1.00
0	7.56E-01	1.33
0	3.23E-02	4.91
0	8.96E-01	1.09
158	7.21E-01	1.04
0	6.53E-03	0.06
32	5.61E-01	0.92
0	3.34E-01	2.07
0	9.91E-01	1.01
0	7.67E-01	0.65
0	1.37E-01	4.35
1	3.90E-01	1.33
0	9.23E-02	0.20
0	1.22E-01	0.30
0	4.46E-01	0.36
0	7.70E-01	1.32
0	3.64E-01	2.10
3	4.70E-01	0.87
1	2.01E-01	0.74
1	8.31E-01	0.82
216	4.19E-01	0.92
0	4.24E-02	0.15
0	4.24E-02	0.15
1	7.81E-01	1.25
2	5.79E-01	0.87
1	5.52E-01	0.73
144	5.49E-01	0.94
0	3.42E-01	1.37
144	5.49E-01	0.94
144	5.49E-01	0.94
3	5.09E-01	0.88
2	4.31E-01	0.69
12	5.71E-01	0.91
6	2.10E-01	1.28
0	2.18E-01	0.34

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

19	1.75E-01	1.21
648	7.15E-01	0.97
0	1.24E-01	0.13
80	5.00E-01	0.93
0	8.01E-01	1.49
39	5.30E-01	1.08
149	6.59E-02	0.83
0	9.19E-01	1.07
3	3.09E-01	1.27
25	9.61E-01	0.99
0	3.72E-01	0.53
0	3.30E-01	1.86
30	2.56E-01	0.84
0	9.32E-01	1.08
0	9.32E-01	1.08
0	5.86E-01	0.45
20	4.84E-01	0.90
0	9.55E-01	0.95
0	4.48E-01	1.70
0	6.21E-01	1.46
0	3.20E-01	1.89
20	4.69E-01	0.89
0	6.94E-01	1.50
0	5.34E-01	1.72
0	5.44E-01	1.56
0	8.90E-01	1.24
2	1.04E-02	0.55
166	6.08E-02	0.83
0	2.82E-01	2.21
390	4.77E-01	1.07
18	6.04E-01	0.93
42	3.37E-01	1.13
0	7.37E-01	1.16
0	9.24E-01	0.95
0	4.12E-02	0.31
7	3.44E-01	1.25
0	6.15E-01	1.69
0	6.79E-01	0.69
338	1.40E-01	0.87
0	8.90E-01	0.95
9	3.67E-01	0.84
82	5.93E-02	0.80
0	5.07E-01	1.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

155	4.11E-01	1.08
0	3.17E-03	3.98
0	9.07E-01	1.09
0	8.20E-01	0.80
0	6.06E-02	0.13
0	1.17E-01	5.03
0	7.94E-01	1.31
0	2.41E-01	0.42
1308	4.67E-01	1.09
0	8.99E-01	0.91
0	7.82E-02	3.35
0	9.97E-01	1.00
1309	4.80E-01	1.09
0	7.66E-01	1.22
0	9.47E-01	1.05
0	3.57E-01	2.13
3	3.79E-01	1.20
0	4.37E-01	0.61
0	6.22E-01	1.66
0	7.06E-01	0.65
0	7.76E-01	0.66
31	5.15E-02	0.77
157	1.28E-01	1.16
584	4.83E-01	1.07
0	7.98E-01	0.90
0	6.41E-01	0.53
0	1.42E-01	0.19
8	4.58E-01	1.14
8	4.58E-01	1.14
1177	1.64E-01	1.17
107	8.44E-01	1.02
0	7.68E-01	1.58
0	3.56E-01	0.47
0	1.64E-01	3.99
0	1.66E-01	3.97
0	9.19E-01	0.86
0	8.94E-02	4.02
0	4.35E-01	1.61
8	5.94E-01	0.90
76	5.25E-01	0.93
0	8.99E-01	1.07
0	7.98E-01	0.84
0	3.90E-01	2.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.53E-01	1.91
0	6.93E-01	0.65
2	2.30E-01	0.73
0	6.47E-01	1.28
0	3.87E-01	2.35
0	5.53E-01	1.41
0	1.61E-01	2.97
0	5.93E-01	1.35
0	5.42E-01	0.41
0	2.17E-01	0.22
0	5.51E-01	0.77
489	4.33E-01	0.93
2	2.64E-01	1.28
0	8.12E-01	1.11
58	2.47E-01	1.15
0	6.20E-01	0.76
347	6.88E-01	1.04
0	5.34E-01	1.40
0	2.35E-01	3.01
0	8.50E-01	1.21
19	5.40E-01	0.91
0	7.13E-01	0.63
0	9.25E-01	0.95
143	2.44E-01	1.13
775	1.47E-01	0.88
0	2.23E-01	2.40
0	6.34E-01	1.16
0	4.94E-01	1.58
0	2.52E-01	0.39
0	5.87E-02	4.34
1	9.11E-01	1.04
0	5.00E-01	1.62
0	4.34E-01	1.82
1354	5.49E-01	0.93
1345	6.01E-01	0.94
0	3.64E-02	7.49
81	5.63E-01	0.94
126	2.16E-01	0.88
385	8.85E-02	0.86
0	3.38E-01	2.56
119	5.37E-01	0.94
0	9.75E-01	0.97
26	6.94E-01	1.06

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.15E-01	2.73
0	4.10E-01	2.36
2	9.48E-01	1.02
1121	4.84E-01	1.08
4	7.84E-01	1.05
0	4.04E-01	2.40
0	6.70E-01	1.31
0	5.19E-01	1.84
326	7.07E-01	0.97
1	8.77E-01	1.12
0	2.43E-01	1.62
0	2.07E-01	4.42
0	6.53E-01	1.20
0	3.96E-01	0.51
0	8.78E-01	1.17
11	8.60E-02	1.31
0	1.60E-01	1.47
0	8.65E-01	0.85
12	4.86E-02	1.40
0	7.74E-01	0.85
185	5.97E-01	0.95
0	2.85E-01	2.95
11	1.04E-01	1.31
0	9.15E-01	1.09
217	5.34E-01	0.94
0	7.02E-01	1.26
0	8.27E-01	1.14
20	6.43E-02	1.32
0	8.63E-01	1.09
106	1.28E-01	0.85
1	2.12E-01	0.65
0	2.15E-01	0.27
758	1.05E-01	1.17
739	7.04E-02	1.18
750	1.05E-01	1.17
8	8.82E-01	1.03
0	7.91E-02	3.14
0	8.20E-01	1.24
0	9.61E-01	0.97
0	2.98E-01	0.39
2	3.41E-02	1.60
813	8.24E-01	1.02
32	8.87E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

9	7.71E-02	1.35
0	4.02E-01	0.30
0	8.91E-01	1.10
0	4.11E-01	0.82
0	2.12E-01	0.19
0	8.55E-02	0.40
0	1.46E-01	3.56
0	8.03E-01	0.79
44	8.96E-01	0.98
0	8.80E-01	0.88
2	4.48E-01	0.73
0	3.77E-01	2.60
526	3.65E-01	0.92
1922	1.00E+00	0.97
1	2.69E-01	0.68
2	1.77E-01	0.68
0	3.78E-01	2.97
0	1.42E-02	0.22
0	5.88E-01	1.80
358	5.53E-01	0.95
0	6.27E-01	0.78
1921	7.67E-01	0.60
1	7.76E-01	1.25
0	5.02E-01	0.52
0	7.51E-01	0.73
0	1.72E-01	3.68
0	1.11E-01	0.15
391	4.74E-01	1.07
0	3.89E-01	2.42
0	3.16E-01	0.67
0	2.82E-01	0.19
34	2.61E-01	1.15
34	3.01E-01	1.14
0	7.46E-01	1.43
0	1.57E-01	1.91
509	5.99E-02	1.18
2	1.62E-01	1.39
0	3.92E-01	2.79
4	6.89E-01	0.92
0	7.96E-01	0.69
243	8.66E-01	1.02
0	7.96E-01	0.69
551	9.99E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

221	7.44E-01	1.03
0	7.15E-02	2.24
0	8.53E-01	0.87
0	7.42E-01	0.93
0	8.60E-01	0.72
0	4.85E-01	0.50
0	6.65E-02	5.63
2	6.31E-01	0.88
2	2.23E-01	0.69
584	3.31E-01	0.92
585	3.23E-01	0.91
0	9.80E-01	0.96
5	4.66E-01	0.87
0	8.24E-01	1.08
0	6.54E-01	0.71
0	9.92E-01	0.99
0	3.95E-01	0.66
0	9.40E-01	0.95
0	3.94E-01	0.49
35	6.62E-01	1.06
0	4.58E-01	1.83
0	8.58E-01	1.10
0	6.54E-01	0.52
1	3.64E-01	2.71
0	8.08E-01	1.31
1	6.74E-01	1.15
0	3.10E-01	1.55
0	7.00E-01	1.23
0	6.11E-01	0.76
0	8.76E-01	0.86
0	3.93E-01	1.87
428	9.00E-01	0.99
0	4.70E-01	0.39
0	4.69E-01	0.39
1	6.28E-01	1.13
296	5.31E-01	1.06
1	6.28E-01	1.13
296	5.31E-01	1.06
0	1.95E-01	0.18
0	6.61E-01	1.44
1	6.28E-01	1.13
0	1.98E-01	2.47
0	7.10E-01	0.85

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

225	6.04E-01	0.95
226	8.70E-01	1.02
0	4.82E-02	6.29
264	1.48E-01	0.87
1	1.84E-01	1.63
0	5.38E-01	1.71
0	5.59E-01	0.69
2	6.12E-03	0.28
1	2.44E-01	0.73
13	3.73E-01	0.85
0	3.44E-01	4.34
0	3.38E-01	0.60
1	4.32E-01	1.29
0	9.92E-01	0.99
249	2.08E-01	1.13
0	3.68E-01	0.31
246	1.71E-01	1.14
0	6.53E-01	0.75
365	1.84E-01	1.13
0	6.10E-01	1.78
0	1.53E-01	5.07
0	8.96E-01	1.14
1	3.21E-01	1.39
0	4.86E-01	0.62
0	8.54E-01	1.56
0	4.19E-01	1.48
0	6.20E-01	0.49
1	2.21E-01	1.59
533	6.78E-01	0.96
491	2.89E-01	1.10
0	7.05E-01	1.18
1	7.78E-01	0.83
0	9.44E-01	1.05
0	7.01E-01	1.50
0	7.10E-01	1.46
1	1.70E-01	1.69
130	7.41E-01	0.97
0	5.68E-02	0.05
0	1.62E-01	1.71
0	1.49E-02	0.16
0	1.49E-02	0.16
0	1.42E-01	1.72
0	3.49E-01	0.41

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.47E-01	0.91
0	1.36E-01	3.98
0	7.70E-02	0.14
0	8.15E-01	1.45
221	6.13E-01	0.95
0	5.48E-01	0.82
2	9.03E-01	1.03
0	1.16E-01	5.68
221	2.60E-01	0.90
1920	9.07E-01	1.20
0	9.79E-01	1.02
0	8.61E-01	0.84
3	9.26E-01	1.02
0	9.30E-01	0.95
0	9.05E-01	0.93
0	8.81E-01	1.10
0	5.86E-02	0.17
52	1.51E-01	1.20
56	7.53E-01	1.04
0	1.74E-01	2.62
0	4.78E-01	1.63
0	3.37E-02	0.07
0	3.07E-01	0.39
0	8.76E-01	1.10
225	5.49E-01	0.94
3	1.53E-01	1.47
0	4.71E-01	0.61
0	2.92E-01	1.53
0	4.74E-01	2.29
0	2.82E-01	0.25
0	3.54E-01	2.37
0	5.27E-01	1.83
0	1.47E-01	0.16
0	2.86E-01	2.12
0	5.83E-01	0.47
1039	4.02E-01	1.09
0	1.10E-01	0.16
0	8.34E-01	1.19
87	9.16E-01	1.01
721	9.00E-01	1.01
0	8.10E-02	3.67
47	5.58E-01	0.93
0	9.54E-01	1.03

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.83E-01	0.46
0	7.12E-02	3.74
3	2.88E-01	0.72
0	5.46E-02	6.01
1	6.47E-01	1.44
0	6.37E-01	1.24
1	1.03E-01	1.74
0	1.61E-01	3.54
0	2.83E-01	2.07
0	9.59E-01	1.04
0	6.40E-01	0.71
1	1.42E-01	0.45
1	9.96E-01	1.00
0	2.16E-01	4.26
0	1.01E-01	0.13
0	2.03E-01	0.16
0	4.41E-01	0.72
1587	3.41E-01	0.86
3	9.04E-01	1.03
0	6.68E-01	1.66
364	2.61E-01	0.90
1	3.71E-01	0.55
0	9.31E-01	1.09
0	6.65E-01	0.82
1	8.71E-01	0.90
0	4.52E-01	2.28
0	8.44E-02	2.98
0	4.85E-01	2.46
0	1.23E-01	4.18
0	3.60E-01	0.29
0	8.19E-01	0.81
0	5.58E-01	1.83
0	2.72E-01	3.21
22	2.96E-01	0.85
0	4.26E-01	0.60
0	7.53E-01	1.38
2	6.33E-01	1.14
0	9.77E-01	0.96
0	3.11E-01	0.63
1	9.38E-01	0.96
0	7.31E-01	0.76
0	9.35E-01	1.03
0	3.10E-01	0.63

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.35E-01	0.66
0	9.25E-01	1.11
0	4.41E-01	2.77
0	4.94E-01	0.47
325	7.97E-01	1.02
1	5.16E-01	1.36
0	5.60E-01	0.74
0	8.33E-02	4.28
0	6.99E-01	0.69
0	1.87E-01	2.57
0	9.58E-01	1.07
0	5.94E-01	0.46
0	5.27E-01	0.62
0	9.72E-01	1.03
0	2.26E-01	0.17
5	4.23E-01	0.85
0	6.07E-01	1.40
0	6.07E-01	1.40
0	9.36E-02	2.03
0	7.48E-01	1.13
0	4.54E-01	1.96
0	8.77E-01	1.07
1	2.94E-01	1.61
0	2.86E-01	1.97
0	9.93E-01	1.01
0	8.04E-02	0.57
0	5.23E-01	1.55
0	8.99E-01	0.90
40	2.51E-01	1.16
3	5.68E-01	0.89
20	6.07E-02	1.30
0	3.11E-01	1.80
0	6.41E-01	0.52
0	4.26E-02	2.18
0	2.87E-01	2.87
0	6.94E-01	3.32
277	9.73E-01	1.00
0	7.61E-01	1.36
0	6.59E-01	1.64
0	9.14E-01	1.04
2	7.45E-01	1.07
0	6.29E-01	1.32
0	6.29E-01	1.32

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

653	4.58E-01	1.07
0	6.17E-01	0.49
0	7.79E-01	0.67
1001	2.23E-01	1.13
1	7.07E-01	0.87
0	9.76E-01	1.01
0	1.07E-01	7.42
1	9.85E-01	0.99
8	4.20E-01	1.16
11	6.52E-01	1.09
1	7.07E-01	0.87
0	4.42E-01	1.66
0	8.98E-01	1.13
868	3.18E-01	1.10
0	6.47E-01	0.52
0	6.08E-01	1.64
10	4.29E-02	0.67
0	5.47E-01	1.37
89	5.40E-01	0.93
2	2.09E-01	0.65
0	2.55E-01	1.72
0	8.35E-01	1.08
2	6.67E-01	0.86
11	9.78E-01	1.00
0	6.74E-01	1.33
3	3.33E-01	0.74
17	1.12E-01	0.77
1	8.00E-01	1.10
1	9.93E-01	1.00
11	8.18E-01	0.96
11	9.45E-01	0.99
1	9.86E-01	1.01
20	9.57E-01	0.99
7	2.22E-01	0.79
0	8.70E-01	1.16
0	8.59E-01	1.21
3	6.84E-01	0.92
0	9.87E-01	1.03
0	7.77E-01	1.57
924	7.91E-01	0.97
0	8.07E-01	0.76
1	6.17E-01	0.75
0	6.63E-01	0.65

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

21	9.53E-02	0.77
1	6.87E-01	0.86
0	1.20E-01	4.08
0	4.79E-01	0.38
130	4.76E-01	1.08
0	4.55E-01	1.70
8	5.69E-01	1.11
1535	2.30E-01	1.20
0	5.77E-01	1.48
0	6.02E-01	0.72
0	6.96E-01	0.64
0	7.48E-01	1.68
0	6.56E-01	1.28
0	9.96E-01	1.01
1	8.21E-01	0.93
393	8.77E-01	1.01
70	6.91E-01	1.05
390	6.06E-01	1.05
6	6.28E-01	1.10
708	2.51E-02	1.23
37	9.01E-01	0.98
0	8.04E-02	3.55
0	5.21E-01	1.61
0	2.62E-01	4.21
0	1.95E-01	1.88
2	4.14E-02	0.57
0	8.64E-02	3.83
0	6.32E-01	1.67
1	1.58E-01	0.67
0	1.22E-02	2.27
0	9.02E-01	1.13
0	6.68E-01	0.53
69	9.73E-01	1.00
0	3.51E-01	0.68
0	8.13E-01	1.13
0	3.97E-01	0.31
0	2.85E-01	3.28
0	5.87E-02	0.09
0	6.57E-01	0.52
500	8.48E-01	1.02
0	9.52E-01	1.06
0	1.15E-01	0.16
0	7.89E-01	1.28

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

27	4.09E-01	1.12
80	5.58E-01	1.07
0	7.46E-01	0.80
0	7.46E-01	0.80
177	1.69E-01	1.14
0	9.18E-01	0.93
0	9.75E-01	1.05
0	6.71E-01	1.18
0	1.44E-01	1.83
0	8.89E-01	0.91
0	7.68E-01	0.86
1	7.77E-01	0.94
0	9.14E-01	1.08
7	3.19E-01	1.22
0	8.53E-03	5.30
0	5.49E-01	0.61
0	2.72E-01	0.46
0	1.66E-01	0.20
1	6.02E-01	1.21
0	5.68E-01	0.58
1	6.05E-01	0.83
0	4.68E-01	0.47
0	3.48E-01	2.65
0	1.68E-01	0.32
0	7.53E-01	1.40
3	7.24E-01	1.10
131	7.02E-02	0.83
7	1.68E-01	1.33
0	2.97E-01	2.30
1	5.85E-01	1.22
413	9.84E-01	1.00
1	9.67E-01	0.97
0	3.49E-03	9.11
854	9.88E-01	1.00
0	8.81E-01	0.89
0	6.08E-01	0.83
0	3.85E-01	2.60
19	3.06E-02	0.69
1917	9.44E-02	13.82
0	6.65E-01	1.60
0	7.22E-01	0.77
0	4.59E-01	1.80
0	4.70E-01	1.83

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.88E-01	0.76
0	2.85E-01	1.65
0	1.44E-01	5.43
0	1.09E-01	0.09
0	8.77E-01	1.10
0	9.53E-01	1.08
0	8.93E-02	0.09
0	6.65E-01	1.59
0	6.72E-01	1.27
73	5.17E-01	0.93
0	9.45E-01	1.05
0	3.35E-01	0.30
72	5.24E-01	0.93
0	5.81E-01	1.83
0	2.92E-05	5.67
12	1.03E-01	0.78
0	4.13E-01	0.34
0	9.85E-01	1.01
0	5.52E-01	1.39
0	5.52E-01	1.39
0	4.56E-02	7.09
166	5.69E-02	0.82
0	1.82E-01	0.17
45	6.86E-01	0.95
0	3.65E-01	0.49
0	8.88E-01	0.92
3	3.45E-02	0.51
0	9.95E-01	0.99
0	7.28E-01	1.17
0	9.05E-02	4.62
3	1.78E-01	0.70
0	9.35E-01	1.12
0	5.07E-01	0.67
1550	1.27E-02	1.50
9	4.26E-01	1.16
1	7.44E-01	1.12
1	8.12E-01	0.92
0	3.61E-01	2.27
15	6.10E-01	0.92
1	4.82E-01	1.34
5	8.16E-01	0.94
7	8.91E-01	1.03
1	1.90E-01	1.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

10	5.84E-02	0.67
0	5.50E-01	0.44
432	4.87E-01	1.07
0	1.45E-01	3.24
0	4.54E-01	0.69
0	1.18E-01	5.04
0	3.70E-01	1.83
0	3.70E-01	1.83
0	2.22E-01	0.17
0	4.02E-01	1.33
544	7.82E-01	1.03
4	6.81E-02	0.70
0	7.95E-01	1.17
0	8.54E-01	0.86
31	3.58E-02	0.76
0	8.00E-01	0.76
1699	3.37E-01	0.84
14	2.78E-01	0.84
0	3.98E-02	6.53
0	2.00E-01	1.98
0	4.64E-01	0.72
23	2.44E-01	0.83
0	9.58E-01	1.05
0	4.58E-01	0.50
0	6.34E-01	0.63
0	8.01E-01	0.85
0	7.14E-01	1.42
3	1.19E-01	1.34
0	8.15E-01	0.72
0	8.63E-01	1.13
5	3.52E-01	0.83
15	5.53E-02	1.31
1	2.50E-01	1.46
0	1.14E-01	0.15
1	6.87E-01	1.38
0	1.58E-01	5.02
1	8.45E-01	0.93
0	2.85E-01	0.32
77	2.92E-01	1.12
1	1.30E-01	3.67
0	2.58E-01	1.87
0	4.28E-01	0.47
0	8.89E-01	0.88

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1202	7.93E-01	0.97
0	1.28E-01	5.07
452	9.14E-01	1.01
0	7.45E-01	1.36
0	9.54E-01	1.09
4	5.87E-01	1.15
0	5.65E-01	1.53
0	4.11E-01	3.34
0	7.34E-01	1.15
3	8.78E-01	0.96
0	7.45E-01	1.36
1	8.77E-01	0.84
0	7.45E-01	1.36
0	3.85E-01	1.64
0	6.58E-01	1.25
0	3.98E-01	0.45
0	5.75E-01	1.76
0	3.13E-01	2.11
0	6.00E-01	0.76
0	1.00E+00	1.00
2	5.72E-01	0.87
1	1.24E-01	1.78
256	5.04E-01	0.94
0	7.18E-01	0.66
0	6.49E-01	1.26
0	8.11E-01	0.70
207	8.92E-02	0.85
0	6.25E-01	1.94
0	1.54E-01	0.23
6	2.26E-01	1.24
1376	9.04E-01	1.01
0	6.76E-01	1.45
0	8.78E-01	1.08
3	6.94E-01	0.90
166	4.70E-01	0.93
27	7.60E-01	1.04
2	9.31E-01	1.03
0	6.17E-01	1.55
0	6.42E-01	1.33
1833	8.75E-01	1.05
93	2.11E-02	1.29
0	9.60E-01	0.95
1	5.70E-02	0.54

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1279	6.37E-01	1.05
1	5.55E-01	1.61
8	6.75E-01	1.09
491	4.11E-01	1.08
25	5.09E-01	1.10
0	7.46E-01	0.90
0	4.67E-01	0.39
0	7.28E-02	0.14
1	1.51E-01	0.64
0	7.31E-01	1.38
0	2.38E-01	0.51
1	1.44E-01	1.78
43	6.34E-01	1.06
68	2.06E-01	0.86
0	3.69E-01	1.46
9	7.61E-01	1.06
0	1.51E-01	2.61
1	9.85E-01	1.02
0	4.95E-01	0.51
69	6.85E-01	1.05
0	4.12E-01	1.26
0	4.12E-01	1.26
0	8.34E-01	0.73
0	3.61E-01	1.28
0	8.17E-01	0.76
1	4.82E-01	0.74
0	5.75E-01	1.79
0	3.62E-01	2.64
0	3.78E-01	1.29
1170	2.36E-01	1.14
43	5.13E-01	1.09
0	7.36E-02	1.85
0	6.51E-01	1.53
40	3.72E-01	1.12
1	2.15E-02	2.04
0	3.60E-01	2.80
30	6.75E-01	0.94
0	8.07E-01	0.81
0	5.54E-01	1.31
0	6.72E-01	1.51
0	4.46E-01	1.37
38	6.68E-01	0.95
78	8.88E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.74E-01	0.52
0	1.95E-01	3.44
0	9.23E-01	1.18
0	7.53E-01	1.13
0	6.81E-01	1.30
1762	7.88E-01	1.06
0	5.17E-02	0.20
0	6.97E-01	1.40
0	8.52E-01	0.77
0	7.81E-01	1.28
174	6.50E-01	1.05
0	2.38E-01	0.62
1	1.41E-01	1.55
0	1.82E-01	0.58
0	1.83E-01	0.65
1410	1.94E-01	0.85
0	7.38E-01	0.85
752	1.40E-01	0.87
886	7.30E-01	0.97
0	5.71E-01	1.82
0	9.44E-01	0.95
0	8.13E-01	1.26
0	9.57E-01	0.95
0	7.39E-01	0.73
446	4.87E-01	0.94
0	4.28E-01	0.54
1	1.86E-01	1.47
0	8.25E-01	1.40
0	1.14E-01	0.29
0	5.42E-01	1.28
0	1.47E-01	2.89
1	5.44E-01	1.33
1571	2.31E-01	0.83
2	5.33E-02	0.57
0	4.28E-01	2.24
0	4.26E-01	0.36
0	2.11E-01	4.09
0	7.12E-01	0.88
0	1.25E-01	0.27
0	5.86E-01	1.47
0	8.44E-01	0.85
0	1.16E-01	0.09
0	3.12E-01	0.49

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.72E-01	2.79
0	8.69E-01	1.05
0	4.46E-01	0.36
14	4.18E-01	0.88
6	6.43E-01	0.90
6	6.43E-01	0.90
2	5.60E-01	0.87
6	5.60E-01	0.88
6	6.43E-01	0.90
7	5.03E-01	0.87
6	6.57E-01	0.91
0	4.69E-01	0.55
0	4.76E-02	0.08
0	8.62E-02	2.20
0	9.59E-01	1.04
6	6.43E-01	0.90
14	4.18E-01	0.88
0	4.69E-01	0.55
6	6.11E-01	0.89
12	5.94E-01	0.92
0	1.74E-01	0.20
2	9.04E-01	1.05
6	6.11E-01	0.89
6	6.11E-01	0.89
0	4.18E-01	0.34
0	1.26E-01	2.92
0	4.82E-02	6.78
6	6.11E-01	0.89
499	6.52E-01	0.96
316	6.40E-01	1.04
533	4.68E-01	1.07
0	4.29E-01	1.88
0	1.47E-01	2.08
0	7.60E-01	1.39
0	3.01E-01	1.46
0	4.29E-01	1.88
0	6.70E-01	1.36
0	3.80E-01	0.58
2	3.68E-01	1.28
0	7.61E-02	0.12
0	4.60E-01	1.30
97	8.72E-01	0.98
97	8.31E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.99E-01	1.00
4	7.01E-01	1.10
0	2.98E-01	0.77
3	7.05E-01	1.10
1	9.87E-01	1.01
0	9.84E-01	1.02
0	4.73E-01	0.83
5	4.18E-01	1.20
0	2.30E-01	3.41
0	2.48E-01	3.31
0	9.71E-01	0.97
1	8.53E-01	0.95
3	3.23E-01	0.74
831	9.30E-01	1.01
0	6.86E-01	0.57
0	2.57E-01	1.81
0	3.75E-01	0.54
0	1.41E-01	5.13
789	5.25E-02	0.84
0	9.13E-02	0.24
0	3.73E-01	1.51
11	3.36E-01	1.17
0	2.50E-01	3.48
1	4.89E-02	0.49
0	5.46E-01	1.20
963	4.50E-01	0.93
1	6.15E-01	0.71
3	2.25E-01	1.27
5	9.07E-02	1.43
0	9.42E-02	1.93
0	5.92E-01	0.56
0	4.71E-01	0.38
0	7.84E-01	0.72
1	1.69E-01	0.70
0	3.76E-02	2.66
0	3.79E-01	1.94
0	7.54E-01	0.82
0	8.66E-02	4.25
1922	1.00E+00	0.97
12	7.63E-01	1.05
0	9.41E-01	0.91
0	2.56E-02	2.32
0	8.55E-01	1.33

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.21E-01	0.82
1216	8.39E-02	1.22
0	1.58E-01	2.07
0	8.55E-01	1.33
0	9.09E-01	1.05
0	9.44E-01	0.90
0	4.43E-01	2.16
17	9.78E-01	1.00
2	2.42E-01	0.76
0	9.38E-01	0.91
0	5.08E-01	2.09
0	8.94E-01	0.91
0	7.54E-01	0.86
103	7.51E-01	1.03
1	3.37E-01	0.81
0	6.90E-01	1.60
231	9.30E-01	1.01
51	9.58E-01	0.99
0	1.57E-01	2.32
0	8.91E-01	1.10
0	9.46E-02	4.32
0	4.68E-01	0.61
0	8.16E-01	0.87
13	3.23E-01	0.85
0	9.78E-01	0.96
13	2.71E-01	0.83
149	4.37E-01	0.93
0	2.96E-01	0.41
0	6.31E-01	1.67
0	9.31E-01	1.14
0	3.74E-01	0.65
0	8.35E-01	0.74
0	2.33E-01	0.43
0	5.69E-01	0.41
0	1.62E-01	4.67
0	4.04E-01	1.38
50	3.43E-01	1.12
0	9.87E-01	1.02
0	7.61E-01	1.33
51	2.97E-01	1.13
0	3.48E-01	0.49
0	4.67E-01	2.19
1295	1.99E-01	0.86

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

31	9.64E-01	0.99
31	9.64E-01	0.99
2	9.17E-01	0.96
0	2.68E-01	2.48
0	3.36E-01	0.29
1922	1.00E+00	0.97
0	6.63E-01	1.36
0	7.00E-02	3.61
374	5.69E-01	0.95
47	9.63E-01	1.01
0	7.82E-02	0.46
6	2.14E-01	0.78
0	1.99E-01	1.86
0	5.70E-01	0.42
0	7.87E-01	1.19
0	5.30E-01	0.46
3	5.88E-01	1.13
139	5.87E-02	0.82
3	5.88E-01	1.13
0	5.34E-01	1.72
0	3.24E-01	2.81
0	5.66E-01	0.79
85	7.47E-02	1.21
2	8.82E-01	0.95
6	6.51E-01	1.07
2	8.82E-01	0.95
0	1.49E-01	1.86
0	7.18E-01	1.48
0	1.96E-01	2.68
0	8.58E-01	0.84
0	7.94E-01	0.82
0	5.98E-01	1.54
0	2.03E-02	3.27
0	4.66E-01	2.10
0	7.90E-01	0.80
0	8.24E-01	1.24
16	5.71E-01	1.10
0	3.96E-01	2.80
0	2.73E-01	0.19
0	6.62E-01	0.84
15	5.79E-01	1.10
0	7.54E-01	0.85
1	7.87E-01	1.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	3.43E-01	1.23
0	1.34E-01	6.15
1754	3.48E-01	1.24
1754	3.48E-01	1.24
1493	9.09E-01	1.02
0	9.38E-01	0.95
0	2.48E-01	0.32
2	2.92E-01	0.77
0	9.57E-02	0.10
0	6.81E-01	0.84
21	8.98E-01	0.98
12	4.04E-01	1.16
13	6.61E-01	1.08
0	4.44E-01	1.77
4	4.90E-01	1.15
7	9.93E-01	1.00
0	4.70E-01	0.49
0	6.69E-01	1.31
5	3.97E-01	1.18
0	9.94E-01	1.01
0	8.96E-01	1.15
0	6.55E-01	1.34
333	9.65E-01	1.00
1	4.21E-02	1.57
332	5.70E-01	1.05
0	4.15E-01	2.64
0	1.85E-01	2.21
0	5.93E-01	1.86
43	3.00E-01	0.88
332	9.26E-01	1.01
1	8.08E-02	1.48
605	9.05E-01	1.01
1	7.04E-01	0.68
4	2.22E-01	1.28
2	7.55E-01	1.08
0	6.37E-01	0.71
0	2.39E-01	3.85
0	8.21E-01	1.31
0	4.11E-01	2.36
178	4.64E-01	1.07
0	1.33E-02	7.20
65	6.40E-02	1.23
0	6.02E-01	1.61

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

16	6.45E-01	1.07
0	4.34E-01	2.33
64	7.67E-02	0.80
268	5.30E-01	1.06
0	5.57E-01	1.63
0	5.74E-02	4.17
2	7.83E-02	1.50
0	2.52E-01	2.05
0	3.08E-01	0.60
0	6.10E-01	0.46
699	1.42E-01	0.87
0	4.30E-01	1.65
0	8.80E-01	1.07
45	2.60E-01	1.15
0	8.50E-01	0.83
0	1.29E-01	0.17
1707	1.26E-01	1.37
0	9.62E-01	1.03
77	1.53E-01	0.85
0	5.74E-01	0.67
0	5.17E-01	0.39
0	7.41E-01	1.71
0	7.46E-01	0.70
182	3.69E-02	1.23
0	5.97E-01	0.62
2	1.33E-01	0.70
0	5.03E-01	2.04
0	2.82E-02	2.91
285	8.47E-02	0.85
0	4.33E-01	0.41
286	4.12E-01	0.93
0	8.96E-01	1.22
5	3.24E-01	0.81
0	2.70E-01	0.27
0	2.22E-02	9.56
0	6.98E-01	0.83
0	6.61E-01	1.22
2	1.59E-02	1.78
39	7.53E-01	0.96
0	3.83E-01	2.56
5	9.27E-01	1.02
4	7.52E-01	0.92
0	3.16E-01	0.21

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

4	6.77E-01	1.11
1	4.68E-01	0.75
0	8.96E-01	0.94
0	7.64E-01	0.65
0	5.50E-01	1.87
0	5.75E-01	1.80
0	2.58E-01	2.82
0	1.13E-01	5.47
716	8.99E-02	0.86
1	1.58E-01	1.94
0	9.00E-01	0.88
0	2.62E-01	2.60
0	7.79E-01	2.04
1922	1.00E+00	0.97
0	3.76E-01	1.85
0	1.06E-01	0.19
0	5.35E-01	0.44
901	7.52E-01	1.03
0	5.59E-01	0.81
894	6.18E-01	1.05
3	5.90E-01	0.86
0	9.42E-01	0.95
1	3.20E-01	0.70
171	3.37E-01	0.91
0	7.78E-01	1.40
166	6.48E-01	0.96
0	6.68E-01	0.54
469	3.43E-01	1.09
0	9.87E-01	1.01
917	9.12E-01	1.01
917	9.87E-01	1.00
79	4.80E-01	0.92
90	4.27E-01	0.92
916	7.91E-01	1.03
0	3.43E-01	2.20
1	2.99E-01	0.69
76	5.98E-01	0.94
0	1.72E-01	1.91
916	8.24E-01	1.02
0	8.84E-01	1.22
351	9.94E-01	1.00
0	1.66E-01	1.93
0	7.03E-01	0.64

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.94E-01	0.78
0	6.69E-01	0.54
49	8.60E-01	0.98
0	3.38E-01	0.63
0	1.07E-01	0.19
0	1.12E-01	0.19
0	7.91E-01	0.72
0	8.60E-01	1.13
0	8.01E-01	0.80
18	3.96E-01	1.14
0	8.54E-01	0.87
0	5.53E-01	0.79
0	4.54E-01	0.79
443	7.06E-01	0.97
0	7.63E-01	0.79
0	5.72E-01	1.73
1	7.14E-01	0.89
0	6.02E-02	6.85
0	6.92E-01	0.57
0	1.12E-02	4.01
6	2.70E-01	1.28
736	3.74E-01	1.09
0	4.09E-01	0.33
0	5.95E-01	1.51
0	6.42E-01	0.69
1	1.08E-01	0.48
0	9.56E-01	0.96
1	9.78E-01	0.99
100	2.32E-01	0.88
1	5.27E-01	1.48
97	1.40E-01	0.85
0	1.14E-02	0.05
1	4.40E-01	1.30
0	1.93E-01	0.25
0	7.54E-01	0.70
507	8.25E-01	0.98
5	6.32E-01	1.10
0	6.13E-01	1.62
0	2.61E-01	0.53
1	8.95E-01	0.96
0	1.10E-01	0.18
0	6.73E-01	1.34
1	1.64E-01	0.70

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.41E-01	1.15
4	9.86E-02	1.38
0	7.75E-01	1.33
323	8.17E-01	0.98
34	6.50E-01	0.94
0	1.05E-01	2.86
0	4.65E-01	2.39
0	1.08E-01	6.88
41	7.45E-01	0.96
0	8.38E-01	1.19
1	8.16E-01	0.93
1	4.04E-01	0.47
213	5.49E-01	1.06
76	4.50E-01	1.09
0	8.69E-01	1.21
0	5.68E-01	0.46
0	3.46E-01	2.60
0	5.29E-01	0.40
0	5.77E-01	0.62
0	7.03E-03	0.04
0	2.67E-01	3.01
0	5.54E-01	0.60
0	2.55E-02	3.23
0	5.23E-01	0.41
0	2.64E-01	2.09
0	1.30E-01	3.51
0	4.32E-01	0.74
0	3.86E-01	2.50
14	9.08E-01	0.98
85	2.83E-02	1.26
0	6.39E-01	0.72
753	6.59E-01	0.96
1	7.79E-01	0.89
1	5.28E-02	0.55
0	3.37E-01	0.45
0	1.72E-01	4.37
0	9.91E-01	0.98
0	7.15E-01	0.60
0	1.42E-01	0.38
0	1.76E-01	2.58
133	4.18E-01	0.92
0	7.48E-01	0.88
0	9.68E-01	1.03

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.76E-01	1.44
0	8.93E-02	0.53
0	6.88E-01	1.22
81	7.13E-01	0.96
0	5.22E-01	2.22
93	6.37E-01	0.95
0	7.18E-01	1.35
0	5.10E-01	0.63
0	1.91E-01	0.29
0	9.82E-01	0.97
6	6.38E-02	1.43
0	8.88E-01	1.15
6	1.39E-01	1.34
0	8.90E-01	0.88
5	9.72E-02	1.39
1	4.72E-01	0.77
2	6.07E-01	1.14
0	8.14E-01	1.08
0	8.54E-01	1.15
0	3.26E-01	2.64
86	3.50E-01	0.90
0	9.76E-01	0.98
84	3.39E-01	0.90
0	3.64E-01	1.90
1	1.75E-01	2.86
1	2.25E-01	1.45
2	4.48E-01	1.26
1	4.36E-01	0.69
0	3.90E-01	1.82
1	3.11E-01	1.96
0	3.55E-01	2.10
0	4.72E-01	0.37
0	7.46E-01	1.30
0	8.29E-01	1.16
69	5.46E-01	1.07
0	7.68E-01	0.64
0	8.55E-02	0.43
2	7.55E-01	0.89
0	2.17E-01	0.66
1	2.69E-01	1.31
132	5.06E-01	1.07
1	2.69E-01	1.31
0	1.87E-01	0.39

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

3	1.16E-01	0.68
0	8.51E-01	1.16
0	8.71E-02	2.96
2	6.65E-02	1.58
0	5.08E-01	2.12
0	8.10E-01	1.23
0	8.61E-01	1.29
0	1.18E-01	0.14
0	4.36E-01	2.37
0	9.90E-01	0.98
0	5.56E-01	1.42
0	7.60E-01	1.25
0	6.65E-01	1.29
0	7.16E-01	1.18
0	4.51E-01	1.48
52	6.73E-01	1.05
0	4.45E-01	0.39
0	3.74E-01	2.59
0	5.42E-01	0.42
23	1.03E-01	0.77
0	3.36E-01	2.12
0	8.74E-01	0.92
0	2.58E-01	2.04
0	9.61E-01	1.08
343	4.36E-01	0.93
0	7.02E-01	1.51
0	5.03E-01	0.68
316	4.43E-01	0.93
688	4.74E-01	1.07
0	5.98E-01	0.45
0	7.63E-01	1.25
1357	6.40E-01	1.06
3	7.88E-01	0.93
896	4.21E-01	1.08
897	4.22E-01	1.08
4	9.94E-01	1.00
4	9.94E-01	1.00
1089	7.21E-01	1.04
0	1.44E-02	12.00
898	4.58E-01	1.08
898	4.58E-01	1.08
898	4.58E-01	1.08
1089	7.40E-01	1.03

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.30E-01	3.11
1	5.75E-01	0.79
0	7.05E-01	1.19
5	9.56E-01	1.01
0	7.69E-02	4.17
0	2.71E-01	2.47
0	5.81E-01	1.41
0	5.29E-01	0.42
0	6.26E-02	0.09
0	7.05E-01	1.19
0	2.23E-01	0.68
0	4.67E-01	0.77
0	4.79E-01	0.52
1	9.96E-02	0.47
773	7.96E-01	1.02
0	7.05E-01	1.19
0	7.94E-01	0.92
0	4.47E-01	2.36
0	6.49E-01	0.71
0	3.11E-01	0.42
979	3.92E-01	1.09
0	4.19E-01	2.59
0	9.38E-01	0.92
0	3.37E-01	0.56
0	8.75E-01	1.25
2	5.64E-01	1.17
0	5.72E-01	1.77
0	2.03E-01	3.15
73	1.26E-02	0.74
0	9.73E-01	0.98
0	1.23E-01	4.59
0	1.43E-01	0.63
1	3.97E-01	0.78
2	7.28E-02	1.58
213	3.59E-01	0.91
0	9.64E-01	0.98
0	6.38E-01	0.52
0	6.31E-01	1.39
0	5.31E-01	2.82
2	6.29E-01	1.13
0	4.71E-01	0.67
123	8.26E-01	0.98
0	6.74E-01	1.39

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.51E-01	0.26
0	8.79E-01	0.84
103	9.45E-01	0.99
0	3.97E-02	0.17
0	3.65E-01	0.30
0	7.98E-01	1.25
0	8.92E-01	0.82
0	6.82E-01	0.84
0	2.59E-01	1.41
1	8.36E-01	0.94
0	4.64E-01	2.17
0	5.64E-01	1.24
0	9.40E-01	1.12
55	8.23E-01	1.03
0	3.44E-02	3.66
1	2.18E-01	1.36
576	4.59E-01	1.07
17	3.04E-02	0.68
114	8.60E-01	0.98
0	5.89E-01	0.77
276	8.18E-01	1.02
0	7.20E-01	1.53
0	1.30E-01	2.49
0	5.02E-01	0.67
730	6.94E-01	1.04
1835	3.81E-02	0.57
0	2.46E-01	0.20
55	6.07E-01	0.94
0	2.56E-01	1.57
1	2.32E-01	1.46
0	2.34E-01	0.22
0	7.54E-01	1.36
159	2.96E-02	1.24
0	5.53E-01	0.59
0	5.25E-01	1.62
0	9.38E-01	1.04
3	8.52E-01	0.95
3	5.60E-01	0.86
0	3.80E-01	0.46
0	4.63E-01	1.51
0	6.37E-01	0.70
0	5.75E-01	0.61
0	9.30E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	9.95E-01	1.00
17	1.55E-01	0.81
0	6.54E-01	0.55
0	7.47E-03	0.33
6	3.28E-02	0.64
2	5.24E-02	0.44
0	6.14E-01	0.49
0	3.62E-01	1.95
0	5.94E-01	0.64
0	5.29E-01	0.54
0	2.07E-01	0.21
0	4.80E-02	4.02
0	7.44E-01	1.72
0	7.05E-01	0.83
0	2.77E-01	2.17
0	3.93E-01	1.97
1563	8.20E-01	0.97
0	6.42E-01	1.39
0	9.62E-01	0.98
0	5.99E-01	0.48
15	7.74E-03	0.63
80	7.02E-01	0.96
0	1.73E-01	0.54
0	1.19E-01	2.74
0	6.67E-01	0.79
0	8.49E-01	1.11
4	6.64E-01	1.11
1329	9.86E-02	0.83
0	3.40E-01	2.37
0	2.06E-01	2.13
1	6.58E-01	0.83
0	5.17E-01	1.69
277	5.01E-01	0.94
1921	3.29E-01	0.17
346	2.98E-01	0.91
0	9.12E-01	0.91
65	4.80E-01	0.92
0	1.12E-01	0.29
48	5.51E-01	0.93
1922	1.00E+00	0.97
1	4.58E-02	0.34
50	3.50E-01	1.12
958	3.13E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

17	5.71E-01	0.91
485	1.61E-01	1.13
39	1.25E-01	1.22
0	9.33E-01	1.05
0	3.15E-01	0.25
0	1.99E-01	3.09
358	4.07E-02	1.20
252	4.34E-02	0.83
3	2.83E-03	1.80
357	3.18E-01	1.09
0	3.60E-01	1.39
31	8.62E-01	1.03
1922	1.00E+00	0.97
1464	3.43E-03	0.68
1530	4.92E-02	0.77
1530	5.16E-02	0.77
0	2.41E-01	0.36
1530	4.92E-02	0.77
0	6.59E-01	0.59
0	2.07E-01	3.55
16	1.96E-01	1.22
0	8.39E-01	1.18
4	8.78E-01	1.03
552	3.66E-01	1.08
581	7.11E-01	1.03
1246	7.11E-01	1.04
0	5.42E-01	1.65
822	5.31E-01	1.06
838	5.35E-01	1.06
1	4.57E-01	1.22
798	4.24E-01	1.08
0	9.45E-01	0.94
1	7.54E-01	1.08
0	1.76E-01	4.61
4	2.80E-01	0.76
0	3.47E-01	2.77
0	2.37E-01	0.39
1	1.85E-01	1.37
2	9.79E-01	0.99
0	8.86E-01	0.81
0	6.40E-01	1.22
56	5.01E-01	0.92
0	2.53E-01	0.57

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

615	2.29E-01	1.12
615	2.29E-01	1.12
40	1.21E-01	0.81
887	7.37E-01	1.03
0	8.57E-01	0.94
40	1.23E-01	0.81
584	2.50E-01	1.11
0	5.78E-01	1.63
0	6.10E-01	1.74
0	2.37E-01	3.86
0	2.31E-01	2.72
0	2.99E-01	0.27
37	4.33E-01	0.90
36	3.59E-01	0.88
0	7.43E-01	1.40
1477	4.36E-01	1.11
0	6.47E-01	0.61
1903	5.85E-01	0.74
0	7.75E-01	1.29
0	8.82E-01	1.14
2	1.90E-01	1.28
0	7.98E-01	0.87
0	9.50E-01	0.95
302	6.85E-01	0.96
239	5.98E-01	0.95
0	2.27E-01	0.23
0	3.45E-01	2.35
0	6.40E-02	2.12
2	3.45E-02	0.48
0	7.88E-01	1.42
92	2.06E-01	1.14
532	9.11E-01	1.01
0	3.45E-01	2.26
276	5.74E-01	0.95
0	1.31E-01	5.90
0	1.31E-01	5.90
310	3.80E-01	0.92
0	2.79E-01	0.23
0	8.17E-03	3.99
0	1.00E-01	2.30
0	2.25E-01	3.06
0	3.70E-01	0.45
287	5.20E-02	0.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.59E-01	4.81
0	7.96E-01	1.53
0	9.54E-01	1.05
0	4.91E-01	0.36
0	2.57E-01	2.11
2	3.61E-01	1.24
0	9.85E-01	0.99
0	3.78E-01	2.59
74	5.26E-02	0.80
0	6.62E-01	0.53
0	8.27E-01	1.26
400	5.19E-01	0.94
0	6.77E-02	0.09
0	4.98E-01	1.76
1	4.64E-02	1.52
0	4.09E-01	1.47
0	9.16E-01	0.92
0	2.91E-02	0.04
0	9.97E-01	0.99
133	3.13E-01	0.90
0	9.15E-01	0.87
3	5.14E-01	0.88
214	5.66E-01	1.06
0	1.70E-01	2.42
0	4.67E-01	1.56
0	9.39E-01	0.97
2	8.57E-01	0.95
0	9.34E-01	0.91
0	2.93E-01	0.70
0	2.04E-01	1.86
0	1.77E-01	3.19
0	5.39E-01	1.42
0	3.88E-01	1.77
1	1.29E-01	0.62
1910	4.81E-02	5.56
878	4.45E-03	0.76
890	7.99E-03	0.78
37	5.18E-02	1.29
0	4.82E-01	1.95
91	9.52E-01	1.01
35	5.98E-02	0.76
0	2.18E-02	6.42
0	9.09E-01	0.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1009	1.21E-01	0.86
17	5.17E-02	0.73
199	2.67E-01	1.11
0	4.55E-01	0.38
0	7.68E-02	0.20
287	8.80E-01	1.01
0	8.16E-01	0.71
154	9.90E-01	1.00
56	7.27E-01	0.96
0	1.67E-01	2.56
0	6.85E-01	0.61
570	8.34E-02	0.86
0	1.56E-01	0.11
620	8.04E-01	0.98
1	9.29E-01	1.03
26	8.75E-01	0.98
0	9.29E-01	1.14
0	8.39E-01	1.20
38	5.04E-01	0.92
0	4.57E-01	0.36
39	6.39E-01	0.94
0	5.03E-01	1.62
2	5.02E-01	1.16
2	4.70E-01	1.23
0	5.55E-01	1.79
490	3.35E-01	0.92
0	7.23E-01	0.70
0	7.81E-01	1.31
2	4.39E-01	0.78
0	9.55E-01	0.95
11	9.38E-02	0.70
0	4.01E-01	1.28
0	9.15E-01	1.12
0	5.12E-01	1.74
1	6.39E-01	0.65
0	8.58E-01	1.23
0	6.27E-01	1.28
0	5.22E-01	0.70
0	2.72E-01	2.98
0	2.95E-01	2.32
3	2.21E-01	1.32
0	1.90E-01	1.95
0	6.95E-01	1.31

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

7	8.73E-01	0.97
0	6.16E-01	0.56
907	7.93E-01	1.03
0	4.14E-01	0.34
0	9.25E-01	0.96
901	7.80E-01	1.03
0	3.79E-01	2.48
0	5.00E-01	0.42
752	4.89E-01	0.94
1	6.21E-01	0.89
1	6.21E-01	0.89
1	8.71E-01	0.94
0	7.97E-01	0.78
1	6.97E-01	0.91
1	7.10E-01	0.91
1	4.67E-01	0.83
1	4.67E-01	0.83
219	6.91E-01	0.96
134	6.10E-01	1.05
774	9.63E-01	1.00
18	9.03E-01	1.02
1	8.43E-01	0.94
0	9.30E-01	0.94
0	5.91E-01	0.71
0	5.19E-01	0.62
0	6.95E-01	0.72
773	9.82E-01	1.00
28	1.95E-01	1.20
1	9.60E-02	1.60
1	5.66E-01	0.77
622	5.76E-01	1.05
623	5.15E-01	1.06
0	2.47E-01	0.33
778	9.08E-01	0.99
1	6.04E-01	0.84
0	7.80E-01	1.24
0	3.59E-01	0.31
0	4.20E-01	1.48
0	1.74E-01	3.41
0	1.00E-02	0.34
307	1.72E-02	1.24
4	8.50E-01	1.04
0	9.51E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.40E-01	0.74
19	1.48E-02	0.68
1	8.33E-01	0.92
1	3.18E-01	0.72
0	4.85E-01	1.55
0	8.90E-01	1.24
1920	3.33E-01	0.16
1	9.94E-01	1.00
0	9.27E-01	0.87
112	4.53E-02	0.81
6	1.44E-02	0.56
0	3.51E-01	3.49
0	5.71E-01	0.45
0	7.39E-01	1.19
0	7.02E-01	1.87
0	3.07E-01	2.13
0	9.28E-01	0.92
0	4.28E-01	2.54
0	5.29E-03	0.19
1	8.12E-01	1.06
1199	5.01E-01	1.08
2	3.65E-01	1.33
0	4.31E-02	2.59
69	2.59E-01	0.88
0	8.52E-01	1.18
0	7.51E-01	0.74
16	2.32E-01	1.20
0	5.82E-02	0.33
0	9.10E-01	1.17
0	9.62E-01	1.03
88	5.52E-01	0.94
0	5.17E-02	0.08
1921	1.40E-01	9.20
0	4.82E-02	4.00
2	8.00E-01	0.94
0	2.78E-01	1.41
0	8.24E-01	0.86
0	2.24E-01	0.23
0	9.36E-01	1.06
0	6.61E-01	1.30
0	8.08E-01	0.75
1	2.14E-01	0.74
419	5.83E-02	0.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

174	2.08E-01	1.13
253	3.88E-02	0.82
0	5.80E-01	0.48
0	8.20E-02	0.21
1	4.60E-01	0.79
4	5.16E-01	0.83
0	2.98E-01	2.89
2	1.39E-01	1.41
0	1.80E-01	3.42
0	3.65E-01	3.22
1922	1.00E+00	0.97
0	6.84E-01	0.59
12	4.23E-01	0.86
0	9.93E-01	1.01
0	5.45E-01	0.68
27	6.51E-01	1.06
0	6.48E-03	23.82
25	6.12E-01	1.07
0	8.51E-01	1.21
0	4.12E-01	2.23
0	2.23E-01	0.39
166	5.29E-01	1.06
0	1.92E-01	3.57
0	8.98E-01	0.85
125	4.41E-01	1.08
0	7.06E-01	0.58
3	2.17E-01	1.30
0	6.55E-01	1.63
1	9.28E-01	0.95
0	1.87E-01	3.14
0	2.34E-01	3.80
237	6.35E-01	1.05
0	2.03E-01	0.19
0	9.20E-01	0.90
2	7.94E-01	0.93
0	9.78E-01	0.98
0	8.22E-01	1.27
39	2.55E-01	1.16
0	9.79E-02	2.89
0	7.29E-01	1.29
408	5.06E-01	0.94
0	7.23E-01	0.67
0	1.65E-01	2.51

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.13E-01	1.06
0	4.32E-01	1.76
14	8.77E-01	0.97
0	5.86E-01	1.74
0	4.66E-01	0.47
0	3.82E-01	2.51
0	5.84E-01	1.36
0	6.32E-01	1.21
0	9.90E-01	0.98
0	1.54E-01	3.10
0	5.68E-01	0.71
6	7.13E-01	0.93
1922	1.00E+00	0.97
0	7.53E-01	0.70
1	7.47E-02	0.53
0	2.99E-01	0.25
1	5.65E-01	0.82
0	7.19E-01	0.82
1	7.49E-01	0.88
0	9.94E-01	1.00
0	7.59E-01	1.24
5	5.11E-01	1.14
0	6.66E-01	0.55
963	6.20E-01	1.05
0	2.69E-01	0.56
1	3.42E-01	0.72
924	3.57E-01	1.09
1	3.67E-01	0.74
0	6.50E-01	1.42
2	5.31E-01	0.85
0	6.68E-01	0.69
1	1.14E-01	0.58
0	9.82E-01	0.98
66	5.60E-01	0.93
0	4.72E-01	3.52
0	8.45E-01	0.83
5	7.20E-01	0.93
0	5.93E-01	0.71
10	5.28E-01	0.89
0	5.17E-01	0.54
0	3.73E-01	2.17
0	9.54E-01	0.92
0	5.43E-01	0.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	5.70E-01	0.83
0	1.21E-01	3.06
0	2.23E-01	0.25
0	7.06E-01	1.16
0	1.75E-01	0.29
0	5.82E-01	0.73
297	9.59E-01	1.00
0	8.52E-01	0.83
0	5.99E-01	1.24
0	9.05E-01	0.84
0	4.76E-01	1.58
0	9.70E-01	1.03
189	8.56E-01	0.98
0	7.70E-01	0.65
0	6.27E-01	1.15
0	6.34E-01	1.30
0	1.78E-02	6.44
0	8.31E-01	0.84
7	4.25E-01	1.17
0	2.95E-01	2.85
179	9.07E-01	0.99
1	4.74E-01	0.61
1918	9.36E-01	1.12
2	2.77E-01	0.73
284	3.43E-01	0.92
0	4.87E-01	0.48
0	9.25E-01	1.14
0	7.51E-01	1.40
46	6.62E-01	0.95
0	6.56E-01	1.50
0	7.96E-01	0.84
0	1.85E-01	3.01
0	9.90E-01	0.99
0	4.11E-01	1.95
7	7.37E-01	1.06
0	7.21E-01	1.43
0	7.23E-01	1.35
917	2.53E-01	0.90
2	4.39E-01	1.28
0	4.68E-01	1.81
1	8.26E-01	0.93
5	7.79E-01	1.06
0	8.64E-01	1.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	3.04E-01	0.56
0	2.79E-01	1.62
0	8.59E-01	0.85
0	1.06E-01	4.31
3	6.10E-01	0.86
1	6.53E-01	1.20
0	7.80E-01	1.19
0	7.58E-01	0.76
0	3.47E-01	2.57
0	4.59E-01	0.57
0	8.22E-01	1.19
0	1.59E-01	3.26
1	2.89E-01	0.67
0	1.19E-01	1.94
0	3.98E-01	0.28
0	7.35E-01	1.26
641	1.09E-01	1.16
0	3.06E-01	2.38
0	2.94E-01	0.60
0	4.80E-01	1.25
0	3.64E-01	0.32
470	4.58E-01	0.93
470	4.58E-01	0.93
135	8.42E-01	0.98
0	2.16E-02	4.53
0	3.73E-01	2.59
0	7.23E-01	0.83
0	9.82E-01	1.02
0	5.02E-02	4.75
0	6.52E-01	1.22
128	3.25E-01	0.90
0	2.81E-01	0.46
0	2.37E-01	2.39
600	3.93E-01	1.08
0	9.46E-01	0.97
0	1.99E-01	0.52
0	9.47E-01	1.06
0	9.42E-02	2.67
0	2.72E-01	0.24
150	4.05E-01	0.92
0	8.20E-01	0.78
80	7.64E-01	1.03
573	2.35E-01	0.90

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.11E-01	0.70
2	8.34E-01	0.90
0	3.05E-01	0.25
20	1.73E-02	0.69
0	9.60E-01	1.04
0	1.05E-01	4.60
0	4.72E-01	0.36
136	4.62E-01	0.93
1	2.38E-02	0.42
0	6.02E-01	3.58
0	6.31E-01	1.34
0	7.52E-01	0.64
0	3.48E-01	3.12
0	3.42E-01	2.92
0	8.70E-01	0.75
0	7.02E-01	0.59
14	6.92E-01	1.07
0	5.06E-01	1.58
0	8.62E-01	0.86
0	2.20E-01	0.33
139	8.91E-01	0.99
140	7.83E-01	0.97
0	8.74E-01	0.83
0	8.74E-01	0.83
0	9.41E-01	1.12
229	5.01E-01	0.94
22	7.36E-01	1.05
0	6.46E-01	0.64
0	3.00E-02	1.94
1	5.18E-01	1.25
495	2.56E-01	0.90
22	6.97E-01	1.06
0	5.11E-01	1.71
0	5.33E-01	1.37
1	4.85E-01	1.39
1	4.85E-01	1.39
0	4.16E-01	0.50
0	5.06E-01	2.34
102	3.17E-02	1.25
0	5.66E-01	1.30
7	3.44E-01	1.22
0	7.92E-01	1.32
3	4.58E-01	1.19

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.13E-01	1.36
0	4.99E-01	1.48
54	1.59E-01	1.18
243	9.01E-01	0.99
93	3.89E-01	1.10
1918	8.64E-01	0.76
0	9.71E-01	0.99
1	5.28E-01	1.15
38	4.62E-01	0.91
9	3.43E-01	0.84
68	6.00E-01	1.06
906	3.14E-01	0.91
0	6.32E-01	1.42
0	6.02E-02	0.31
0	9.34E-01	1.11
0	8.74E-01	0.79
117	2.55E-01	1.13
0	8.39E-01	0.86
0	1.10E-01	4.42
0	2.19E-02	4.02
0	3.17E-01	3.14
0	3.23E-01	0.34
1	5.74E-01	0.79
0	3.40E-01	0.63
0	2.29E-01	2.73
47	3.23E-01	0.89
47	2.95E-01	0.88
3	5.53E-01	1.18
0	8.76E-01	1.05
0	6.90E-01	0.57
0	2.80E-01	3.30
1	9.22E-01	1.04
0	2.73E-01	3.47
0	9.63E-01	0.95
0	5.06E-01	1.64
0	8.47E-01	1.21
3	2.58E-01	1.28
3	2.05E-01	1.32
0	6.99E-02	6.03
3	5.97E-01	0.86
0	8.40E-01	1.09
0	3.88E-01	0.32
0	5.36E-01	0.60

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.13E-01	1.26
0	5.41E-01	1.87
0	7.85E-01	1.26
1922	1.00E+00	0.97
0	4.91E-01	0.38
0	6.15E-01	0.78
0	8.31E-01	0.92
0	5.80E-01	1.66
0	3.80E-01	0.50
0	9.50E-01	0.98
0	2.05E-01	3.49
2	4.61E-01	1.21
28	3.54E-02	1.32
15	1.28E-01	0.77
0	5.99E-01	1.85
0	9.59E-01	0.96
2	4.39E-01	0.83
0	4.33E-01	2.32
3	2.32E-01	1.43
0	8.21E-01	1.22
2	1.17E-01	1.60
0	2.48E-01	3.00
1	5.50E-01	1.29
0	9.48E-01	0.96
0	1.55E-01	0.37
0	5.89E-01	1.33
2	3.72E-02	1.56
0	1.10E-01	2.64
0	9.45E-01	1.04
1	1.48E-01	1.66
0	7.75E-01	0.73
0	4.75E-01	0.47
0	7.72E-01	0.66
176	9.73E-01	1.00
0	8.52E-01	1.22
0	1.14E-01	0.14
0	1.84E-01	2.52
0	7.18E-01	0.86
0	7.59E-01	1.38
3	1.62E-01	1.38
0	5.47E-01	1.66
0	6.86E-01	1.37
0	1.25E-01	1.65

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	6.42E-01	0.87
2	4.59E-01	0.86
7	3.12E-01	0.81
0	5.23E-02	2.13
2	1.24E-01	0.68
0	1.67E-02	4.13
122	4.19E-01	0.92
2	6.63E-02	0.62
2	1.23E-01	0.68
2	7.56E-02	0.63
6	1.85E-01	1.30
6	1.85E-01	1.30
0	2.34E-02	5.44
0	8.25E-02	0.14
0	1.12E-01	0.17
0	4.70E-01	2.08
1358	3.16E-01	1.13
0	6.28E-01	1.22
0	6.28E-01	1.29
0	7.36E-01	1.36
0	2.95E-01	0.36
0	4.86E-01	0.56
3	9.50E-01	1.01
0	3.51E-01	1.56
0	5.94E-01	0.58
1	4.86E-01	0.42
1922	1.00E+00	0.97
0	1.81E-01	0.14
74	2.72E-01	0.88
0	9.77E-01	0.97
637	2.81E-01	0.91
0	2.83E-01	1.91
0	3.86E-02	2.51
0	2.54E-01	0.53
5	4.94E-01	0.86
320	3.42E-02	1.21
0	7.44E-02	5.44
12	7.12E-01	0.94
13	8.73E-01	0.97
0	6.57E-01	0.74
0	5.57E-01	1.33
0	7.52E-01	1.35
738	2.79E-01	0.90

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.08E-01	1.15
14	4.19E-01	1.14
0	5.16E-01	1.52
0	7.28E-01	0.60
0	9.04E-01	1.05
0	1.21E-02	0.04
34	7.99E-01	0.97
0	2.19E-02	0.18
0	6.88E-01	0.84
0	7.46E-01	1.41
1	3.69E-01	1.46
0	6.67E-01	1.58
0	1.87E-01	0.17
0	5.41E-01	2.06
0	2.11E-01	0.52
0	4.38E-01	0.34
0	4.73E-01	0.34
0	4.99E-01	1.79
0	4.28E-01	1.57
0	5.45E-01	0.43
160	3.49E-01	1.10
0	6.77E-01	2.28
0	4.56E-01	1.81
0	4.31E-01	1.51
0	9.71E-01	0.99
1857	6.85E-01	0.86
1569	1.67E-01	0.80
166	1.43E-01	1.15
0	3.73E-01	0.38
0	5.04E-01	1.91
0	8.74E-01	1.24
0	5.63E-01	1.57
0	4.34E-01	2.60
0	5.92E-01	0.57
69	4.96E-01	1.08
0	9.78E-02	2.37
0	1.16E-01	4.89
0	3.85E-01	2.75
1	7.82E-01	0.93
0	2.64E-01	1.73
115	9.98E-01	1.00
1087	1.56E-01	0.86
12	5.34E-01	1.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.88E-01	1.63
0	2.31E-01	0.53
0	7.53E-01	1.17
0	8.91E-01	1.16
138	3.11E-01	0.90
0	3.55E-01	0.70
15	1.23E-01	1.25
0	6.29E-01	0.63
0	9.02E-01	0.83
84	1.59E-01	0.85
0	2.34E-01	0.23
0	5.60E-01	0.82
0	1.36E-01	0.53
0	2.44E-01	0.60
2	4.34E-01	1.25
0	9.82E-02	0.35
1	7.10E-01	0.87
0	1.87E-01	2.17
0	8.00E-02	2.30
9	4.45E-01	1.14
0	6.79E-01	0.88
0	5.85E-01	2.82
1	1.14E-01	1.49
243	9.74E-01	1.00
192	6.64E-01	0.96
0	5.50E-01	0.44
101	9.16E-01	0.99
0	8.09E-01	0.87
50	7.96E-01	1.03
0	5.95E-02	0.06
0	5.87E-01	0.48
0	5.54E-01	1.50
0	8.30E-01	1.25
80	8.21E-01	0.97
0	5.67E-01	1.66
0	4.21E-01	2.45
1166	9.58E-01	1.01
0	3.80E-01	2.78
0	5.50E-01	2.25
0	4.77E-01	1.99
0	1.78E-01	3.69
0	3.53E-02	0.24
0	2.79E-01	1.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.29E-01	1.31
20	8.81E-01	1.02
20	8.94E-01	1.02
0	4.52E-01	2.12
0	1.31E-02	0.06
888	9.96E-01	1.00
0	5.01E-02	3.79
0	1.54E-01	4.72
0	1.39E-01	4.44
0	5.31E-01	0.70
0	1.48E-01	3.91
24	7.45E-01	0.95
10	5.07E-01	0.90
0	6.08E-01	0.77
0	6.89E-01	0.58
0	5.35E-01	1.43
0	2.23E-01	1.50
0	1.35E-01	1.81
0	6.17E-01	0.77
0	9.57E-01	0.90
0	2.67E-01	0.26
0	2.53E-01	0.43
0	3.86E-01	1.49
0	9.25E-01	1.08
0	1.93E-01	2.97
37	3.83E-01	1.12
0	1.20E-01	0.33
0	6.68E-01	1.71
0	1.13E-01	0.33
1	8.54E-01	0.91
0	3.99E-01	1.65
17	5.00E-01	0.89
104	9.96E-01	1.00
0	1.36E-01	2.24
0	9.64E-01	0.96
1	2.45E-01	0.64
0	9.64E-01	0.96
70	1.63E-01	1.18
0	7.51E-01	1.31
0	6.12E-01	1.26
0	1.59E-01	3.71
0	3.59E-01	2.02
0	7.79E-02	0.35

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.71E-01	0.68
0	1.14E-01	4.34
0	5.69E-01	0.58
0	2.73E-01	0.26
0	4.05E-01	0.59
0	6.57E-01	0.52
4	6.77E-01	0.92
173	5.09E-01	0.93
3	2.68E-02	1.93
651	2.58E-01	0.90
0	2.66E-01	3.10
583	7.65E-01	0.97
582	6.49E-01	0.96
0	5.01E-01	0.49
0	6.40E-01	0.52
0	1.92E-01	0.19
0	9.53E-01	0.95
0	7.31E-01	1.21
0	8.05E-01	0.74
5	1.19E-01	1.38
0	3.96E-01	0.73
0	6.94E-01	1.41
0	7.35E-01	0.70
0	7.35E-01	0.70
6	2.70E-01	1.21
0	8.06E-01	1.30
2	3.46E-01	0.78
181	8.98E-02	1.17
0	6.23E-01	0.61
0	1.38E-01	1.75
3	9.67E-01	0.99
0	5.87E-02	5.88
0	3.47E-01	0.76
34	2.67E-01	1.16
131	6.53E-01	0.95
21	7.74E-01	1.04
1215	7.13E-01	0.96
1	6.65E-01	0.85
92	7.21E-01	1.04
0	5.88E-01	0.54
0	3.39E-01	4.31
0	9.56E-01	0.94
0	8.69E-01	1.18

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.60E-02	0.06
0	4.60E-02	0.06
0	2.60E-01	3.69
0	8.64E-01	1.28
0	9.61E-01	0.93
1	6.69E-01	0.81
1	6.50E-01	1.14
517	2.91E-02	0.82
1819	2.88E-02	0.58
0	3.70E-01	1.85
0	8.52E-01	1.17
0	6.23E-01	1.66
102	4.12E-01	1.09
5	6.40E-02	1.50
0	6.82E-01	0.56
1147	3.08E-01	0.90
1	6.93E-01	0.86
0	9.18E-01	1.03
1704	9.19E-01	0.98
2	9.91E-02	1.39
0	3.35E-01	0.28
0	6.89E-01	0.72
0	9.33E-01	1.14
0	8.94E-01	1.06
0	2.01E-01	0.35
3	6.63E-02	1.43
0	1.01E-01	4.66
471	4.61E-01	0.94
0	5.52E-01	1.57
0	4.25E-01	1.86
10	2.34E-01	1.23
10	2.32E-01	1.23
0	1.51E-01	0.33
0	3.92E-01	0.43
310	2.35E-01	1.11
0	7.71E-01	0.70
0	6.22E-01	1.29
1	4.09E-01	0.59
0	8.88E-01	0.89
0	1.88E-02	9.77
2	1.62E-01	1.38
18	3.03E-01	0.84
10	2.76E-01	0.81

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.04E-01	1.21
0	4.52E-01	1.67
1854	3.66E-01	0.75
0	4.00E-01	0.71
0	9.28E-01	0.87
0	5.19E-01	1.51
0	6.24E-01	0.75
110	6.83E-01	1.04
64	9.12E-01	0.99
0	7.73E-01	1.16
1	1.71E-01	0.61
12	2.40E-01	1.21
0	6.18E-01	1.42
1	7.04E-01	0.82
0	4.15E-01	0.38
0	7.10E-01	0.75
0	6.62E-01	1.54
0	3.85E-01	2.76
0	7.00E-01	0.84
0	2.38E-01	0.56
0	5.06E-01	0.42
6	6.87E-01	1.08
0	5.99E-02	5.97
0	2.30E-01	2.57
0	6.18E-01	0.51
0	9.31E-01	0.90
0	4.02E-01	0.35
0	8.36E-01	1.13
1	1.78E-01	0.33
0	7.73E-02	4.84
0	2.90E-01	0.51
0	3.56E-01	3.47
0	8.36E-02	0.40
0	5.57E-02	0.31
121	2.12E-01	0.88
0	5.87E-01	0.70
0	9.99E-01	1.00
0	6.54E-01	0.72
65	2.89E-01	0.88
34	8.28E-01	0.97
33	9.04E-01	0.98
33	9.04E-01	0.98
1	2.47E-02	0.44

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.51E-01	1.59
0	7.77E-02	0.09
0	8.74E-01	0.78
25	2.28E-01	0.84
1026	1.36E-01	0.86
25	2.11E-01	0.83
1029	1.41E-01	0.86
1	2.97E-01	0.63
144	4.41E-01	0.92
791	8.34E-01	1.02
1	1.26E-01	0.61
146	5.11E-01	0.94
0	3.40E-01	2.03
0	7.58E-01	1.15
1010	7.92E-01	1.03
0	9.49E-01	1.07
0	1.54E-01	0.44
1	3.66E-01	1.20
0	4.54E-01	2.20
31	5.78E-01	1.08
7	1.46E-01	0.77
1	2.34E-01	1.31
2	9.60E-01	0.98
1	5.56E-01	1.13
0	4.11E-01	2.52
2	7.70E-01	1.07
0	5.00E-01	0.66
0	9.25E-01	1.10
66	9.03E-01	1.01
208	8.73E-01	1.02
0	8.32E-01	1.32
0	5.32E-01	1.34
0	1.96E-01	0.35
7	6.44E-01	0.91
0	3.83E-01	1.99
376	8.13E-01	0.98
0	8.08E-01	0.68
1	1.84E-01	1.81
4	4.03E-02	0.60
1	4.83E-01	0.41
54	6.67E-01	0.95
0	2.28E-01	2.34
0	4.35E-01	2.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.66E-01	2.94
0	4.68E-01	2.57
0	2.48E-01	0.35
0	6.21E-01	0.50
505	7.36E-01	1.03
0	5.79E-01	1.95
0	4.44E-01	0.36
0	3.00E-01	2.75
0	8.81E-01	1.26
0	6.26E-01	0.78
0	2.97E-01	0.64
47	7.88E-02	0.80
0	7.41E-01	1.33
0	4.14E-01	1.88
0	3.74E-01	2.50
0	3.74E-01	2.50
0	6.94E-01	0.58
551	3.65E-01	0.92
1	5.23E-01	1.15
0	1.42E-01	3.59
0	5.49E-01	0.58
147	3.21E-01	1.10
0	7.92E-01	1.14
0	7.57E-01	0.77
4	7.49E-01	1.06
5	7.80E-01	1.06
1	7.70E-01	0.83
8	5.48E-01	1.12
205	3.26E-02	0.82
6	8.99E-01	0.98
1922	1.00E+00	0.97
0	3.01E-01	3.19
0	3.67E-01	0.57
15	4.99E-01	0.90
386	3.90E-01	1.08
71	2.03E-01	1.16
0	3.38E-01	0.76
0	4.77E-01	0.58
0	5.70E-01	1.20
80	1.96E-01	0.86
0	9.69E-01	0.98
80	1.01E-01	0.83
0	9.74E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.72E-01	0.95
0	9.58E-01	1.05
0	2.01E-01	1.91
54	3.87E-01	1.11
264	5.98E-01	0.95
174	4.74E-01	0.93
53	2.44E-01	1.15
0	9.43E-01	0.94
0	9.48E-01	0.95
0	9.78E-01	0.96
0	3.57E-01	2.00
0	4.44E-02	10.35
0	5.22E-01	0.40
0	1.80E-02	6.86
16	3.44E-02	1.38
0	5.58E-01	1.99
114	6.88E-01	1.04
15	2.77E-02	1.40
0	7.55E-01	0.90
2	7.60E-01	1.14
0	1.03E-02	8.35
2	6.14E-01	0.87
0	5.05E-01	1.93
5	8.40E-01	1.06
0	5.97E-01	1.63
0	2.61E-01	3.51
0	2.60E-01	3.10
0	2.64E-01	0.70
0	1.64E-01	4.53
0	2.22E-01	3.93
0	4.14E-01	0.35
0	9.08E-01	0.91
0	6.86E-01	0.57
51	9.25E-01	1.01
0	1.82E-01	3.06
0	7.68E-01	1.27
0	9.04E-01	1.13
0	5.63E-01	0.45
0	1.14E-02	14.37
0	4.90E-01	1.56
0	5.05E-01	0.40
0	3.44E-01	1.91
0	6.91E-01	1.45

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.18E-01	1.11
1	5.66E-01	0.68
0	6.33E-01	0.53
141	5.65E-01	0.94
0	6.66E-01	0.68
0	1.39E-02	11.19
0	4.74E-02	4.47
0	9.28E-01	0.90
773	5.69E-01	1.06
0	4.05E-01	1.25
1430	8.26E-01	1.03
0	5.49E-01	0.46
0	6.12E-01	0.75
2	3.71E-01	0.72
108	5.61E-01	0.94
55	6.02E-01	0.94
5	2.10E-01	0.75
111	6.44E-01	0.95
0	2.40E-01	3.83
33	9.43E-01	0.99
35	9.09E-01	0.99
107	6.48E-01	0.95
108	5.99E-01	0.95
1	3.70E-01	0.28
1	8.86E-02	0.49
0	3.68E-01	2.57
782	7.35E-01	1.03
97	7.76E-01	0.97
0	6.56E-01	1.28
1	8.86E-01	0.93
842	4.88E-01	1.07
0	2.17E-01	2.11
0	4.35E-01	2.12
0	2.59E-01	1.96
0	6.68E-01	1.15
9	8.57E-01	1.03
0	2.87E-01	3.18
0	6.40E-01	0.53
0	9.18E-01	0.92
0	5.31E-01	0.57
2	2.36E-01	1.33
5	1.43E-01	0.72
2	9.68E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.69E-01	0.87
0	6.00E-01	0.72
0	7.26E-01	0.60
0	9.80E-01	1.04
1	2.74E-01	1.68
0	3.12E-01	1.42
0	9.91E-01	1.00
0	2.54E-01	0.35
0	7.06E-01	0.83
0	5.08E-01	0.77
0	5.25E-02	2.07
0	7.47E-01	1.27
0	8.35E-01	0.74
37	5.79E-01	0.93
0	8.35E-01	0.74
1	7.25E-01	0.89
2	6.27E-02	2.03
37	5.05E-01	0.91
0	3.06E-01	1.67
1	7.25E-01	0.89
0	3.27E-01	2.59
39	5.12E-01	0.92
0	6.00E-01	0.72
0	4.56E-01	0.62
0	8.82E-01	0.93
0	8.82E-01	0.93
0	2.37E-01	0.29
35	4.53E-01	0.90
0	8.35E-01	0.74
0	1.40E-01	0.33
0	8.35E-01	0.74
0	7.15E-01	0.68
1	8.53E-01	0.96
2	1.29E-01	0.61
0	6.72E-01	0.76
0	4.60E-01	0.34
0	4.83E-01	2.18
0	7.26E-01	1.31
0	8.37E-01	1.13
0	1.06E-01	2.97
0	3.27E-01	2.59
0	8.26E-01	0.80
0	4.31E-01	0.35

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

310	9.75E-02	0.86
9	4.79E-01	0.86
0	4.36E-01	2.78
0	1.39E-01	3.60
0	4.75E-01	0.72
0	8.22E-01	1.19
0	9.48E-01	1.06
0	9.21E-01	1.04
34	8.41E-01	1.03
0	1.11E-01	0.49
5	6.85E-01	0.92
407	9.87E-01	1.00
0	3.71E-01	0.30
0	4.10E-01	0.66
0	6.50E-01	0.60
3	9.88E-01	1.00
0	8.64E-01	0.85
0	4.75E-01	0.48
0	6.88E-02	3.97
0	5.90E-01	0.56
0	6.11E-01	0.77
1724	6.51E-01	0.91
0	1.53E-01	2.59
0	2.91E-01	3.36
0	2.53E-01	2.97
0	8.15E-01	0.71
0	9.34E-01	1.08
1	5.44E-01	1.21
9	3.42E-01	0.84
4	3.79E-01	1.26
0	6.94E-01	1.17
62	2.81E-01	0.88
0	4.33E-01	0.33
0	5.54E-01	0.42
5	8.82E-01	1.03
0	8.96E-01	1.22
0	2.37E-01	2.24
0	4.16E-01	0.51
0	4.87E-01	0.48
0	2.37E-01	2.24
1	5.00E-01	0.81
0	3.36E-01	0.41
2	7.96E-01	0.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

728	6.78E-01	0.96
315	2.72E-01	0.90
0	2.29E-01	1.93
499	1.68E-01	0.88
0	1.28E-01	0.50
0	8.47E-03	22.55
0	6.08E-01	1.37
2	1.08E-01	1.80
0	8.21E-02	8.19
7	2.62E-01	0.81
0	2.76E-01	3.34
0	7.84E-01	1.14
758	4.17E-01	1.08
0	4.51E-01	1.81
34	4.17E-01	1.11
0	8.12E-01	1.17
0	1.15E-01	1.88
197	3.89E-02	1.22
0	2.87E-01	2.71
2	3.77E-01	1.27
0	4.58E-01	0.57
13	9.92E-01	1.00
0	7.18E-01	0.69
517	9.95E-01	1.00
312	3.21E-01	0.91
13	8.66E-01	1.03
0	4.16E-01	1.99
1	3.96E-01	1.57
0	6.55E-01	1.38
306	1.46E-01	0.87
0	9.59E-01	1.06
1	3.10E-01	0.64
0	5.75E-01	0.47
86	9.40E-01	0.99
0	5.47E-01	0.42
1	3.85E-01	1.63
1	9.27E-01	0.96
1495	1.90E-01	0.84
0	8.89E-01	1.14
0	5.08E-01	0.64
229	9.07E-01	1.01
500	3.95E-01	0.93
1116	9.66E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.32E-01	0.24
54	4.74E-01	1.09
0	1.13E-01	4.35
0	7.59E-01	1.27
0	2.82E-01	1.84
0	9.00E-01	1.11
0	5.21E-01	1.37
0	9.19E-02	2.99
1	5.91E-03	0.28
65	2.26E-01	1.15
0	5.24E-01	1.62
1	8.81E-01	1.12
20	6.51E-01	1.07
0	3.46E-01	2.46
0	2.90E-01	3.49
0	1.56E-01	0.46
0	4.74E-01	2.15
222	2.66E-01	0.90
0	2.76E-01	3.38
1408	6.09E-01	1.07
0	6.36E-01	1.21
0	1.07E-01	2.00
0	4.19E-02	7.24
0	6.64E-02	2.23
0	5.16E-01	0.42
0	1.07E-01	3.80
0	8.07E-01	1.18
824	7.21E-01	1.03
154	4.73E-01	0.93
0	3.20E-01	2.20
0	5.71E-01	0.83
180	5.78E-01	0.95
0	6.75E-01	0.69
2	1.55E-01	1.65
0	4.51E-01	0.63
3	4.31E-01	0.81
0	9.42E-01	0.90
0	5.55E-01	0.42
1881	3.45E-01	0.73
1882	4.42E-01	0.74
1	8.67E-01	1.11
0	3.96E-01	0.33
1082	6.98E-01	1.04

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

43	5.73E-01	1.07
0	5.78E-01	0.46
0	3.53E-01	0.42
0	2.25E-01	0.23
257	4.40E-01	0.93
1196	1.70E-01	1.16
3	4.64E-01	1.18
0	6.09E-01	1.40
0	4.28E-01	2.50
1	3.30E-01	1.33
0	6.88E-02	5.34
52	8.55E-01	0.98
0	7.38E-01	1.39
0	2.98E-01	3.21
0	7.61E-01	0.88
0	4.16E-01	0.63
0	6.07E-01	0.70
0	4.24E-02	7.67
0	6.10E-02	7.51
0	7.89E-01	1.52
203	4.98E-01	1.07
200	4.40E-01	1.08
0	5.58E-01	1.90
0	8.62E-01	1.18
0	5.93E-01	1.71
0	4.45E-01	1.32
0	2.80E-01	0.26
0	9.68E-01	0.94
0	3.77E-01	2.64
0	7.36E-01	1.24
0	4.03E-01	2.65
0	6.70E-01	1.36
0	9.56E-01	0.97
0	9.86E-01	0.98
0	9.86E-01	0.98
0	3.02E-01	0.41
0	9.63E-01	1.04
3	3.96E-01	1.26
0	5.67E-02	3.69
9	3.56E-01	1.16
0	1.57E-01	2.97
14	1.90E-03	1.65
0	6.85E-02	5.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.82E-01	0.97
273	3.62E-01	0.92
0	5.50E-01	0.41
0	3.20E-01	2.36
0	2.80E-01	3.05
6	3.20E-01	1.20
4	8.83E-01	0.97
7	8.01E-01	1.05
718	1.25E-01	1.15
568	1.37E-01	1.14
0	2.53E-01	3.32
0	7.89E-01	1.24
8	4.53E-01	0.87
1761	6.82E-02	0.69
0	2.25E-01	1.70
0	9.06E-01	1.08
0	7.08E-01	1.18
0	8.90E-01	1.17
0	9.46E-01	0.94
0	9.02E-01	0.93
0	4.95E-01	0.38
0	7.56E-01	1.14
0	1.81E-02	2.01
0	9.78E-01	1.04
0	9.41E-01	1.07
0	2.02E-01	0.63
0	4.90E-01	1.85
1	3.54E-01	0.71
845	5.23E-01	0.94
0	9.66E-01	1.03
0	4.46E-01	1.99
0	4.20E-01	1.52
0	6.84E-01	1.32
0	6.84E-01	1.32
0	9.30E-01	0.94
0	3.48E-01	2.75
0	1.35E-02	5.38
0	3.89E-01	3.19
21	4.61E-01	1.11
535	7.99E-01	0.98
139	9.37E-01	0.99
0	9.92E-01	1.01
75	2.79E-01	0.88

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1922	2.35E-01	0.17
0	8.35E-01	1.11
0	2.69E-01	3.31
792	7.82E-01	0.97
0	3.56E-01	2.70
0	6.75E-01	1.42
0	5.14E-01	0.41
103	4.66E-01	0.93
821	5.12E-01	1.07
75	9.55E-01	0.99
0	7.87E-01	0.68
900	4.51E-01	1.08
47	7.76E-01	0.96
0	4.25E-01	2.11
889	4.07E-01	1.08
0	7.69E-01	0.66
1444	5.97E-02	0.79
0	6.79E-01	1.43
0	4.76E-01	1.97
0	4.49E-01	1.59
0	3.07E-01	2.67
1899	9.32E-02	0.47
0	2.49E-02	13.33
0	9.41E-01	0.92
0	8.28E-01	0.71
0	5.59E-01	1.45
0	2.05E-01	0.17
0	2.47E-01	3.70
5	8.88E-01	0.97
0	1.44E-01	3.26
0	1.42E-01	2.18
0	1.44E-01	3.26
0	9.33E-01	1.08
0	5.76E-01	1.86
0	4.83E-01	0.51
0	1.46E-01	2.35
1	6.91E-01	1.42
107	2.82E-01	1.12
0	2.50E-01	2.48
0	6.71E-01	0.55
0	2.50E-01	2.48
0	5.96E-01	0.66
1	6.38E-01	0.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

293	9.86E-01	1.00
294	9.56E-01	1.00
294	9.56E-01	1.00
0	8.99E-01	1.09
0	4.90E-01	0.69
0	4.21E-01	0.34
0	9.92E-01	1.01
0	9.92E-01	1.01
0	5.14E-01	1.80
0	7.03E-01	1.39
0	7.33E-01	0.73
798	6.64E-01	0.96
1	6.46E-02	0.21
0	1.28E-01	4.23
11	7.57E-02	1.32
0	6.71E-01	1.12
0	7.64E-01	0.82
0	3.02E-01	0.63
0	5.28E-01	0.72
0	9.14E-01	0.93
0	4.53E-01	1.85
54	9.95E-01	1.00
821	3.64E-01	1.09
2	6.17E-01	0.90
1	7.63E-01	1.11
0	5.27E-01	1.88
1	3.74E-01	0.49
0	3.10E-01	0.59
15	5.48E-01	1.10
12	1.25E-01	0.77
0	1.38E-01	3.47
0	3.42E-01	2.00
11	9.79E-01	1.00
0	2.72E-01	0.35
0	2.28E-01	3.17
0	4.18E-01	1.93
0	9.25E-01	0.96
0	2.37E-01	0.24
0	9.25E-01	0.96
0	2.12E-01	2.20
0	2.65E-01	1.51
0	6.19E-01	1.57
8	2.19E-01	0.78

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

130	1.97E-01	0.87
0	5.56E-01	0.43
0	7.07E-01	1.30
0	8.76E-01	0.86
0	5.14E-02	0.19
0	6.76E-01	1.53
1873	8.99E-01	1.05
1	4.32E-02	0.43
0	7.26E-01	1.77
0	2.45E-01	1.86
0	2.45E-01	1.86
0	6.40E-01	0.61
0	7.41E-01	0.62
0	8.53E-02	0.15
7	3.12E-02	0.65
119	4.03E-02	0.80
0	3.03E-02	2.39
0	7.96E-01	1.37
0	5.77E-01	0.47
0	6.86E-01	1.51
0	3.37E-01	2.71
0	3.20E-01	1.85
0	1.59E-01	0.16
0	7.62E-01	0.86
0	4.44E-01	0.54
0	8.04E-01	0.81
1	5.86E-04	0.37
0	9.20E-01	1.08
0	6.67E-01	1.31
1	2.76E-01	1.35
70	6.19E-01	1.06
0	7.86E-01	0.81
0	8.51E-01	1.30
0	5.62E-01	0.42
0	8.07E-01	1.33
0	8.07E-01	1.33
3	1.09E-01	0.70
157	9.72E-01	1.00
1	2.70E-01	0.61
719	8.24E-01	1.02
720	8.42E-01	1.02
0	5.58E-01	0.60
272	8.56E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.81E-02	6.00
0	9.03E-01	1.07
0	6.34E-01	1.54
0	1.26E-01	0.58
0	5.98E-01	1.36
3	8.85E-01	1.04
0	4.82E-01	2.07
0	3.17E-02	2.51
0	8.26E-01	1.26
1	4.71E-01	0.74
0	1.78E-01	0.14
658	4.00E-02	0.83
0	5.69E-01	0.45
0	5.53E-02	7.31
0	8.07E-01	1.10
0	4.65E-01	1.37
514	2.23E-01	0.90
0	8.99E-01	1.15
1	6.13E-01	0.51
3	7.43E-01	1.07
0	6.87E-01	0.73
3	7.56E-01	1.07
19	9.42E-01	0.99
0	4.25E-01	1.70
953	5.99E-01	1.05
955	6.24E-01	1.05
16	8.65E-01	0.97
16	8.65E-01	0.97
16	7.52E-01	0.95
16	8.65E-01	0.97
16	8.65E-01	0.97
0	9.87E-01	1.02
980	1.17E-01	0.86
0	5.79E-01	0.82
0	5.44E-01	0.57
0	9.05E-01	0.90
1	9.73E-01	1.02
626	5.35E-02	0.84
809	3.83E-01	0.92
0	6.66E-02	4.78
0	9.97E-01	1.00
0	6.86E-02	14.95
0	9.97E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	2.44E-01	1.33
326	7.06E-01	1.04
0	9.95E-01	1.00
2	4.00E-01	0.79
0	8.15E-01	1.17
0	7.12E-01	1.21
0	5.32E-02	0.47
28	2.02E-01	1.19
749	3.41E-01	0.92
0	1.87E-01	4.65
0	4.93E-01	0.59
0	2.10E-01	3.77
0	7.96E-01	1.15
0	2.62E-01	2.59
9	3.15E-01	0.84
0	3.81E-01	0.74
0	7.73E-01	0.80
5	6.10E-01	0.90
0	9.25E-01	1.04
0	7.08E-01	0.60
0	9.93E-01	1.01
0	4.35E-01	1.60
0	8.83E-01	0.87
798	8.43E-01	1.02
0	4.41E-01	0.65
810	7.84E-01	0.97
0	9.59E-01	1.04
0	6.13E-01	1.42
1444	9.98E-02	0.81
0	8.82E-01	0.83
0	3.18E-01	0.41
0	7.76E-01	0.85
0	7.88E-01	1.51
0	3.74E-01	1.51
1921	1.00E+00	0.22
0	5.24E-01	2.19
29	9.58E-01	0.99
0	6.74E-02	8.85
0	3.27E-01	1.39
1359	4.34E-01	1.10
0	2.16E-01	0.58
0	9.42E-01	1.04
0	5.94E-01	0.80

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	1.48E-01	1.42
3	3.11E-01	0.78
0	4.71E-01	0.39
1051	9.78E-01	1.00
0	7.33E-01	0.81
0	3.53E-01	2.22
0	4.54E-01	0.36
1016	6.63E-01	1.05
3	9.94E-01	1.00
1	2.77E-01	1.47
0	5.80E-02	0.04
1	7.88E-01	1.23
1	7.88E-01	1.23
1	2.77E-01	1.47
0	6.59E-01	0.67
0	8.88E-01	1.12
0	3.58E-01	0.41
0	7.67E-01	0.73
0	9.86E-01	1.02
1	1.65E-02	2.33
3	1.94E-01	0.62
1	3.80E-01	0.66
0	6.29E-01	1.35
0	4.71E-01	2.17
0	8.76E-01	0.86
0	3.91E-01	2.29
496	9.98E-01	1.00
0	6.31E-01	1.52
0	8.51E-01	0.82
0	8.05E-01	0.79
37	8.16E-01	0.97
0	6.55E-01	0.55
0	6.80E-01	0.71
0	4.41E-01	1.23
74	4.23E-01	0.91
0	1.84E-01	0.40
0	7.86E-01	1.34
0	3.15E-01	2.22
1	5.15E-01	1.26
0	1.12E-01	0.40
0	9.24E-02	2.72
0	7.04E-01	1.31
12	8.96E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.90E-01	1.46
0	2.56E-01	0.23
12	8.55E-01	1.03
0	9.70E-01	0.99
0	4.86E-01	0.52
0	9.31E-01	1.04
0	1.03E-01	4.57
0	2.01E-01	3.02
0	2.30E-01	2.40
0	8.04E-01	1.48
0	2.96E-01	3.01
213	8.82E-01	1.01
1	1.47E-02	2.41
0	9.40E-01	1.03
0	3.15E-01	0.29
98	2.04E-01	1.14
0	8.56E-01	0.84
0	5.63E-01	0.48
1654	4.24E-01	0.87
62	2.86E-01	1.13
1805	5.41E-01	0.86
2	3.64E-01	0.76
57	7.35E-01	0.96
0	8.84E-01	0.81
0	9.79E-01	1.02
0	1.89E-01	2.20
16	3.00E-01	0.85
1	4.94E-01	0.78
0	7.24E-01	1.74
219	2.65E-01	0.90
0	4.80E-01	1.39
0	9.43E-01	1.09
0	4.02E-01	2.51
60	7.10E-02	0.80
0	8.47E-01	0.93
126	7.42E-01	1.03
124	8.00E-01	1.03
57	6.92E-02	0.80
0	7.98E-02	2.25
0	4.25E-01	2.58
0	5.50E-02	4.38
0	3.57E-01	0.25
0	5.70E-01	1.28

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	2.18E-01	1.95
0	5.77E-01	1.72
48	5.63E-01	1.07
0	7.25E-01	1.20
0	9.54E-01	1.03
0	5.47E-01	0.58
0	5.44E-01	0.58
1	8.33E-01	1.08
23	8.59E-01	1.03
0	6.41E-01	0.52
0	2.26E-01	2.69
4	7.35E-01	1.06
0	7.63E-01	0.65
0	7.59E-01	1.33
0	9.08E-01	0.83
0	3.83E-01	2.39
0	8.04E-01	1.18
0	3.22E-01	0.26
0	5.63E-01	1.46
5	4.45E-01	1.17
0	9.97E-01	1.01
433	7.36E-01	1.03
6	7.68E-01	1.06
0	2.16E-01	1.61
0	1.49E-01	1.72
0	5.98E-01	1.40
0	8.43E-01	0.74
682	9.01E-01	0.99
29	2.78E-01	0.86
0	1.85E-01	1.80
0	8.81E-01	1.13
0	5.87E-01	2.20
0	1.51E-01	1.89
0	7.31E-01	1.11
0	3.65E-02	0.21
0	4.65E-01	1.48
0	7.91E-01	0.79
0	3.82E-01	1.42
2	4.39E-01	1.21
1	8.46E-01	0.94
0	9.15E-01	0.96
5	8.25E-01	0.95
0	1.30E-02	0.25

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.14E-01	0.38
0	7.92E-01	1.15
0	8.62E-02	3.25
0	7.01E-01	0.77
0	1.51E-01	2.50
0	7.89E-01	0.90
0	2.01E-01	2.99
0	1.88E-01	0.18
0	6.01E-02	10.21
102	7.25E-01	1.04
45	8.92E-01	1.02
0	2.07E-01	4.17
1	2.87E-01	1.60
465	2.36E-01	1.11
0	2.54E-01	0.34
1	1.43E-01	0.44
0	9.40E-01	1.08
194	4.97E-01	0.94
5	6.44E-01	0.92
0	6.54E-01	0.75
0	1.02E-01	0.11
0	5.14E-01	1.59
0	1.40E-01	5.73
0	7.09E-01	0.64
0	8.16E-01	0.80
0	5.48E-01	1.67
0	2.73E-02	2.41
0	7.17E-01	0.77
3	8.05E-01	1.06
0	3.26E-01	0.26
401	5.37E-01	0.95
2	8.42E-01	0.94
25	7.75E-01	1.04
0	1.86E-01	2.78
0	4.81E-01	0.34
0	5.65E-01	1.83
862	7.32E-01	0.97
0	4.34E-01	1.27
0	6.70E-01	0.69
0	4.38E-01	2.34
0	7.51E-02	0.07
0	3.49E-01	0.60
1035	4.75E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.65E-01	0.42
338	5.92E-01	0.95
0	7.07E-02	4.90
1	1.95E-01	1.45
0	2.95E-01	0.43
0	6.91E-01	0.78
0	6.39E-01	0.86
0	5.81E-01	1.53
0	3.41E-01	0.65
0	2.06E-01	2.23
0	8.58E-01	1.08
0	1.30E-01	5.78
0	8.34E-01	0.81
0	8.14E-01	0.71
839	5.63E-01	1.06
0	9.75E-01	0.98
1	4.06E-01	1.30
1	3.75E-01	0.73
0	8.49E-01	1.13
0	7.12E-01	0.90
0	6.00E-01	2.10
0	3.87E-01	2.14
0	6.99E-01	0.80
6	2.97E-03	1.76
0	7.37E-01	1.64
0	4.36E-01	0.70
0	2.67E-02	2.97
0	7.68E-01	1.24
0	2.39E-01	0.67
0	5.35E-01	1.93
1516	3.22E-02	0.74
0	4.04E-01	0.30
0	8.88E-02	0.28
0	6.99E-01	0.80
1307	1.52E-01	0.84
1	6.99E-01	1.11
0	7.50E-01	1.33
0	7.50E-01	1.33
0	3.87E-01	1.81
0	4.03E-01	0.35
0	5.68E-01	0.45
1	6.96E-01	1.33
0	1.26E-01	4.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.87E-03	0.15
0	6.65E-02	0.09
0	8.54E-01	0.81
0	6.57E-01	0.78
0	4.35E-01	2.37
0	4.05E-02	0.10
974	4.96E-01	1.07
0	1.89E-01	0.47
0	8.31E-01	1.24
0	9.65E-01	0.95
14	8.76E-01	1.02
0	5.09E-01	1.77
0	4.86E-01	0.75
0	7.05E-01	0.70
0	5.61E-01	0.41
0	7.80E-01	0.76
7	7.06E-01	1.08
0	7.89E-01	1.67
0	1.43E-01	0.50
0	9.22E-01	0.86
0	6.76E-01	1.20
3	2.65E-01	1.30
3	3.63E-01	1.24
0	8.21E-01	1.43
0	1.95E-01	4.34
1753	1.46E-01	0.74
0	2.35E-01	0.22
16	2.26E-01	0.83
0	5.92E-01	1.18
0	2.78E-01	2.71
0	4.73E-01	1.44
0	7.92E-02	0.09
0	5.71E-02	4.87
331	8.58E-01	0.98
192	6.29E-01	0.95
0	5.44E-01	1.41
1910	2.70E-01	3.11
0	4.97E-01	2.03
0	2.86E-01	3.21
0	8.78E-01	1.08
0	8.45E-01	1.15
0	6.40E-01	0.80
0	3.88E-01	0.31

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.88E-01	0.31
2	5.95E-01	0.83
0	6.93E-01	0.76
253	8.86E-01	0.99
0	8.66E-01	1.30
651	9.73E-01	1.00
8	3.38E-01	0.81
0	5.52E-01	1.72
97	4.69E-01	0.92
0	9.78E-01	0.99
0	1.53E-01	4.36
0	5.40E-01	0.70
0	5.54E-01	1.71
0	7.08E-01	1.44
0	8.17E-01	1.26
0	3.06E-01	0.26
0	7.45E-01	1.42
33	7.35E-01	1.05
29	6.88E-01	1.06
15	3.65E-01	0.87
0	2.15E-01	0.64
4	2.75E-01	0.74
1	3.49E-01	0.75
1	8.92E-01	0.96
0	3.99E-01	1.39
16	3.80E-01	1.15
0	9.22E-01	0.93
0	1.42E-01	3.40
20	4.00E-01	1.13
1331	5.22E-01	1.08
0	6.18E-01	1.50
1	9.92E-01	1.00
0	6.34E-01	1.49
0	6.37E-02	0.38
0	8.11E-01	1.29
359	6.25E-01	0.96
0	2.38E-01	0.53
0	9.87E-01	0.98
0	4.23E-01	1.68
0	2.35E-01	0.53
0	3.44E-01	2.24
11	8.71E-01	1.03
0	2.39E-01	0.41

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.36E-01	0.38
0	6.36E-01	0.60
0	6.99E-01	0.57
0	9.81E-01	1.02
0	9.81E-01	1.02
0	9.75E-01	1.02
13	8.90E-01	1.02
469	1.60E-01	0.88
470	1.83E-01	0.89
0	1.54E-01	0.45
0	8.52E-01	1.21
0	6.81E-01	0.84
0	9.49E-01	1.05
0	4.22E-01	1.60
0	8.85E-01	1.12
0	9.16E-01	1.08
0	6.71E-01	0.79
0	3.32E-02	0.26
2	1.96E-01	1.34
0	2.94E-02	0.07
0	8.59E-01	1.32
0	8.44E-01	0.91
0	9.08E-01	1.30
0	9.47E-01	1.06
669	4.32E-01	1.08
0	8.18E-01	1.12
0	9.81E-01	1.01
996	7.02E-01	1.04
0	1.51E-01	0.11
0	4.86E-01	1.52
0	3.76E-01	1.64
1	9.52E-01	0.98
0	7.68E-01	1.33
0	9.41E-01	0.97
0	1.90E-01	0.27
0	8.85E-01	0.81
0	9.20E-01	1.08
37	9.13E-01	0.99
0	9.71E-01	1.04
0	5.95E-01	1.37
0	1.05E-01	3.93
0	7.98E-01	0.82
2	3.85E-01	0.77

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.05E-01	0.84
837	5.58E-01	0.95
0	7.26E-01	0.71
0	6.91E-01	1.62
33	9.81E-01	1.00
48	8.71E-01	1.02
0	9.59E-01	0.95
0	3.26E-01	0.37
4	5.01E-01	1.16
0	7.43E-01	0.82
0	7.27E-01	0.61
0	5.55E-02	2.64
0	6.72E-01	0.69
14	4.96E-01	0.90
13	2.40E-01	1.24
0	2.71E-01	3.64
0	1.38E-01	5.04
0	3.42E-02	2.56
0	2.33E-01	3.62
1	1.48E-01	0.67
0	5.34E-01	1.35
0	3.02E-01	1.55
0	4.35E-01	2.19
0	8.38E-01	1.17
0	7.55E-02	0.32
1921	1.96E-01	0.12
0	6.61E-01	0.76
0	3.82E-01	0.47
742	1.50E-02	0.80
0	1.35E-02	0.05
0	3.56E-01	0.48
878	7.11E-02	1.20
0	8.97E-01	1.10
0	3.97E-01	2.73
0	3.44E-01	0.35
0	4.03E-01	0.37
0	1.20E-01	0.16
0	9.59E-02	5.15
0	7.46E-01	0.75
0	5.59E-02	5.86
3	2.72E-01	1.28
0	1.59E-01	0.42
0	2.77E-01	0.26

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

18	2.50E-01	0.84
2	4.84E-01	1.25
18	2.29E-01	0.83
0	9.88E-01	0.99
861	7.12E-01	1.04
0	9.12E-03	11.94
0	3.78E-01	0.55
0	3.59E-02	3.56
49	1.02E-01	0.81
0	2.17E-01	3.43
0	3.82E-01	2.61
862	6.87E-01	1.04
0	9.82E-01	0.99
0	5.07E-01	0.40
0	2.44E-01	2.14
0	3.67E-01	0.54
20	3.93E-02	0.74
21	6.33E-02	0.76
0	4.32E-01	0.34
0	6.78E-01	1.39
21	4.07E-02	0.74
12	1.09E-01	0.77
0	9.60E-01	1.03
21	3.42E-02	0.73
0	9.32E-01	0.93
1	1.62E-01	0.64
0	5.38E-01	0.43
12	1.18E-01	0.78
0	6.66E-01	0.61
21	5.38E-02	0.76
0	6.35E-01	1.98
21	3.11E-02	0.73
0	3.11E-01	0.46
0	1.13E-01	5.37
1	1.50E-01	0.63
0	4.18E-01	2.24
1	9.36E-02	1.50
0	5.31E-01	1.54
8	1.40E-01	0.77
0	5.66E-01	0.81
0	4.98E-01	1.28
0	4.34E-01	0.46
0	1.36E-01	0.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.27E-01	0.41
0	5.60E-01	0.47
1347	5.40E-01	1.08
0	5.79E-03	0.03
0	2.13E-01	3.88
0	1.96E-01	0.55
413	2.38E-01	1.11
0	9.49E-01	1.08
0	2.22E-01	3.96
0	4.03E-02	7.71
0	8.30E-01	0.86
1	1.81E-01	0.64
667	7.03E-01	1.04
0	1.07E-01	0.33
0	5.72E-01	1.53
0	4.51E-01	1.96
0	6.22E-01	1.32
0	8.97E-01	1.10
1	5.47E-01	0.82
0	3.51E-01	0.45
1188	7.71E-01	0.97
0	9.54E-01	1.04
0	1.90E-01	2.19
1085	6.07E-01	1.05
1	1.74E-02	0.30
0	3.21E-01	1.63
0	4.80E-01	0.56
0	8.34E-01	0.79
0	3.09E-01	0.45
150	7.55E-01	0.97
2	3.51E-01	1.26
1	5.60E-01	1.27
0	7.63E-01	0.68
0	6.45E-01	0.72
0	7.15E-02	3.55
0	7.40E-01	0.77
2	8.26E-01	0.93
0	9.47E-01	0.97
0	6.53E-01	0.53
0	8.62E-01	1.31
0	7.38E-01	1.34
2	2.15E-01	1.39
0	8.34E-01	0.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

189	9.94E-02	1.17
0	8.19E-01	0.87
0	4.41E-01	1.41
0	3.56E-01	1.61
0	5.66E-01	0.47
0	3.18E-01	2.26
0	4.83E-01	2.03
27	8.05E-01	1.04
0	4.64E-01	1.46
0	9.81E-01	0.99
0	5.17E-02	2.02
668	7.02E-01	1.04
3	5.82E-01	1.13
0	6.12E-01	1.70
26	2.27E-02	0.72
621	2.10E-02	0.81
23	2.23E-01	0.83
2	4.67E-01	0.81
0	4.22E-01	0.38
0	8.29E-01	1.23
2	6.32E-01	1.11
0	6.52E-01	0.54
0	6.63E-01	0.54
0	5.49E-01	0.53
0	5.90E-01	1.76
1	9.31E-02	0.59
0	5.16E-01	1.72
0	9.58E-01	1.04
1	2.54E-03	4.87
316	7.71E-02	0.84
0	9.43E-01	0.92
1561	6.52E-01	1.07
235	2.67E-01	0.90
0	1.47E-01	0.32
0	7.47E-01	0.72
0	6.25E-01	1.42
0	4.18E-02	0.41
0	3.80E-01	3.15
0	9.61E-01	1.01
0	5.65E-01	0.45
0	4.90E-01	0.68
911	3.27E-01	0.91
0	3.97E-01	2.54

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

5	6.33E-01	1.11
1	4.20E-01	1.31
0	5.82E-01	1.50
0	9.10E-01	0.85
0	3.02E-01	3.03
0	6.22E-01	1.34
0	8.23E-01	0.82
0	7.52E-01	1.66
0	9.37E-01	1.04
0	9.10E-01	1.10
0	4.79E-01	0.37
0	2.45E-02	9.93
0	9.69E-01	1.04
0	9.55E-01	0.92
0	4.88E-01	0.45
498	4.72E-01	0.94
0	8.50E-01	1.17
18	3.52E-01	1.16
0	6.14E-01	0.66
41	2.27E-01	1.17
70	6.27E-01	0.95
0	5.13E-01	0.51
99	1.73E-01	0.86
0	1.19E-01	0.13
2	4.03E-01	1.22
219	3.68E-01	1.09
0	5.46E-01	1.79
1762	5.30E-01	0.88
0	8.31E-01	0.73
0	3.19E-01	3.25
14	3.95E-01	0.84
0	7.08E-02	8.18
0	3.88E-01	2.46
0	4.62E-01	0.48
0	4.45E-01	1.29
27	9.15E-01	0.99
0	7.70E-01	0.90
0	6.76E-01	0.54
0	4.25E-01	2.10
193	1.63E-01	1.15
1	1.82E-01	0.26
108	3.36E-01	1.11
0	5.67E-01	0.61

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.22E-01	1.08
0	8.91E-01	0.82
0	4.34E-01	1.57
0	3.69E-01	2.03
0	2.54E-01	0.21
104	6.75E-01	1.05
1100	4.07E-01	0.92
0	9.15E-01	0.95
0	4.42E-01	0.78
1	8.96E-01	1.04
7	9.39E-01	1.02
0	5.32E-01	1.84
0	6.97E-01	1.89
0	9.09E-01	1.13
0	9.09E-01	1.13
0	3.74E-01	0.52
1922	9.53E-02	0.08
0	3.38E-02	7.65
0	5.38E-01	1.83
0	5.80E-01	1.61
1	6.46E-01	0.90
0	3.81E-01	0.46
0	6.61E-01	0.55
0	5.63E-01	0.64
0	8.95E-01	1.23
15	4.20E-01	0.87
15	8.09E-01	1.05
1	9.20E-01	1.03
0	4.63E-01	1.78
1	2.30E-01	1.36
0	1.26E-01	2.91
12	1.65E-01	0.79
7	3.10E-01	1.20
0	1.80E-01	2.28
1	5.73E-01	1.35
40	6.20E-01	1.07
16	3.31E-01	0.86
1	4.91E-01	1.23
0	2.95E-01	1.50
1512	1.83E-01	0.84
2	2.87E-01	1.29
0	2.30E-02	0.30
0	7.68E-01	0.66

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.18E-01	1.44
0	2.29E-01	3.23
0	9.80E-02	2.14
859	2.66E-01	0.90
0	8.84E-01	0.81
42	5.49E-01	1.08
0	2.39E-01	0.33
744	8.84E-01	1.01
1	5.43E-01	0.84
0	6.90E-01	1.28
0	2.73E-01	1.67
0	8.23E-01	0.81
2	8.02E-01	1.07
0	6.53E-01	1.44
9	7.54E-01	0.94
2	8.02E-01	1.07
0	3.59E-01	2.46
0	5.38E-01	0.67
0	9.04E-01	0.92
0	2.93E-01	0.56
11	7.41E-01	1.05
0	6.58E-01	0.82
0	8.57E-01	1.14
0	2.46E-01	0.20
0	1.44E-01	5.92
2	3.41E-02	0.52
0	3.94E-01	1.57
13	7.46E-01	1.06
13	7.46E-01	1.06
0	8.13E-01	0.85
673	2.48E-01	0.90
13	7.46E-01	1.06
673	2.26E-01	0.90
673	2.63E-01	0.90
981	7.70E-01	0.97
61	6.79E-01	1.05
4	3.76E-01	0.79
0	3.84E-01	1.74
0	4.04E-01	1.76
0	5.74E-01	1.43
0	8.20E-01	1.44
0	8.28E-01	1.17
0	8.15E-01	1.20

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

512	8.15E-01	1.02
0	6.11E-01	1.69
511	7.26E-01	1.03
104	9.91E-01	1.00
0	1.78E-01	0.18
0	2.57E-01	0.26
0	2.27E-01	0.35
0	5.65E-01	1.40
22	6.77E-01	0.94
0	4.13E-01	0.45
0	5.33E-01	1.62
1922	1.00E+00	0.97
0	7.84E-01	1.30
0	8.00E-01	0.69
0	5.38E-01	2.02
34	3.90E-01	1.12
34	3.90E-01	1.12
34	3.90E-01	1.12
34	4.30E-01	1.11
0	7.59E-01	1.22
0	6.15E-01	0.80
35	3.79E-01	1.13
0	2.59E-01	2.27
0	8.98E-02	0.41
0	6.67E-01	1.44
1921	2.87E-01	0.12
0	2.00E-01	0.67
193	8.75E-02	0.84
0	1.87E-01	0.28
0	7.46E-02	5.53
0	5.63E-01	0.61
2	5.17E-01	1.19
0	1.04E-01	2.94
0	2.61E-01	0.23
0	1.69E-01	2.89
0	2.77E-01	2.45
1922	1.00E+00	0.97
0	8.44E-01	0.75
0	6.76E-01	0.63
0	6.98E-01	2.92
0	6.02E-01	0.77
0	1.34E-01	1.56
0	4.19E-01	2.29

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.42E-01	1.54
3	7.82E-01	0.94
1	5.57E-01	0.69
3	1.97E-02	0.52
0	3.85E-01	2.90
0	2.61E-01	0.23
0	8.07E-01	1.12
0	5.49E-01	0.64
0	5.49E-01	0.64
0	8.62E-01	0.86
0	1.27E-01	4.07
0	2.95E-01	0.38
0	9.36E-01	1.12
1922	1.00E+00	0.97
0	9.70E-01	0.97
0	2.14E-01	2.88
1	2.77E-02	2.05
0	7.83E-02	4.57
1	4.31E-01	1.27
1	6.20E-01	0.87
4	6.67E-01	0.91
0	2.01E-01	2.03
1919	8.19E-01	0.69
1	1.24E-02	0.29
0	9.28E-01	0.97
0	4.85E-01	1.46
4	4.47E-01	0.85
0	1.10E-01	2.45
0	1.61E-01	1.60
0	1.99E-01	2.55
0	6.25E-01	1.47
1	9.28E-01	1.03
0	8.75E-01	0.87
126	1.68E-01	1.15
0	8.59E-01	1.14
1085	2.07E-01	0.88
2	5.67E-01	0.84
0	8.53E-01	1.12
369	1.77E-01	1.13
0	5.91E-01	1.30
0	7.32E-01	1.58
0	1.17E-01	0.13
0	9.48E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.37E-02	3.76
0	3.50E-01	0.28
0	8.59E-01	1.18
0	3.40E-01	3.71
4	5.65E-01	1.13
1	8.63E-01	1.06
0	4.58E-01	0.72
0	8.05E-01	0.82
0	6.54E-01	0.62
0	3.30E-01	0.57
0	7.48E-01	0.71
0	7.38E-02	6.74
0	2.22E-01	0.22
1921	9.34E-01	1.14
0	5.53E-01	0.66
10	6.87E-01	1.07
0	7.55E-01	0.74
0	5.70E-01	1.53
0	4.75E-01	0.55
6	4.22E-01	0.84
0	5.19E-01	1.19
0	3.30E-01	2.86
0	6.82E-01	1.95
0	9.85E-01	1.02
0	6.34E-01	1.48
18	1.82E-01	0.83
5	1.97E-01	0.74
30	9.34E-01	0.99
9	6.97E-01	0.93
0	6.07E-01	1.80
813	6.12E-01	1.05
0	7.62E-01	1.18
0	5.81E-01	0.46
0	1.32E-01	0.56
0	5.53E-01	0.45
0	7.55E-01	0.65
0	9.38E-01	0.89
11	2.48E-01	1.22
0	7.26E-01	1.33
0	5.53E-01	0.45
0	3.12E-01	0.67
0	8.05E-01	0.82
0	3.97E-01	1.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.63E-01	0.93
0	8.01E-01	0.92
15	7.26E-01	0.94
0	2.81E-01	3.14
0	9.99E-02	0.26
22	5.44E-01	0.91
0	6.38E-01	0.69
0	8.73E-01	1.09
0	8.64E-01	1.18
0	3.13E-02	0.33
0	8.46E-02	0.39
0	9.28E-02	4.23
6	6.99E-01	1.07
0	3.65E-01	0.26
0	8.63E-01	0.83
0	8.58E-01	0.89
0	4.99E-01	0.61
0	1.74E-02	2.72
0	5.59E-01	0.55
0	2.69E-01	0.24
0	1.33E-01	3.08
0	9.72E-01	1.06
0	6.78E-01	0.70
1	2.35E-01	1.40
446	3.30E-01	1.09
0	5.52E-01	0.39
61	5.87E-01	0.94
0	7.43E-01	1.20
3	3.48E-01	0.79
0	2.09E-01	1.55
207	7.50E-01	0.97
0	4.82E-02	0.19
288	5.92E-01	1.05
0	8.00E-01	1.10
105	3.06E-01	0.90
0	8.24E-01	1.25
0	8.00E-01	0.79
8	3.70E-01	1.17
0	8.24E-01	1.25
0	6.83E-01	1.56
50	7.60E-01	0.96
0	1.14E-01	3.49
0	4.58E-01	1.46

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.03E-01	2.42
29	8.93E-01	1.02
7	7.25E-01	0.93
26	9.78E-01	1.00
0	5.12E-01	2.10
0	1.32E-01	4.83
96	4.10E-01	1.09
79	1.79E-01	1.16
0	9.22E-01	1.08
8	3.75E-01	1.17
440	9.91E-01	1.00
0	6.20E-01	0.60
3	8.49E-01	1.04
0	8.54E-01	0.81
0	8.54E-01	0.81
918	7.92E-01	1.03
27	9.59E-01	0.99
0	8.90E-01	0.89
688	5.51E-01	1.06
8	8.41E-01	0.96
0	8.42E-01	0.78
158	3.39E-01	0.91
0	2.97E-01	2.63
860	2.24E-01	1.12
1	4.26E-01	0.77
0	8.48E-01	0.80
0	9.11E-02	0.50
0	3.45E-01	0.45
341	2.91E-01	0.91
0	8.61E-01	1.31
6	4.80E-01	0.87
6	6.97E-01	0.93
0	1.15E-01	0.10
1	9.96E-01	1.00
0	9.95E-01	1.01
1575	8.31E-01	0.97
3	5.36E-01	0.84
1	9.04E-01	0.96
1	9.16E-01	1.06
86	1.00E-01	1.20
32	9.07E-01	0.98
0	2.79E-01	3.10
0	7.38E-01	0.81

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.06E-01	0.73
0	8.55E-01	1.19
0	2.66E-01	2.45
0	1.88E-01	0.34
0	7.97E-01	0.69
0	4.65E-01	0.64
27	9.53E-01	0.99
0	5.07E-01	0.67
0	2.49E-01	0.20
1	2.08E-02	3.38
0	7.78E-01	1.19
1	4.70E-01	1.90
0	6.06E-01	0.73
0	7.48E-01	0.68
0	9.57E-01	1.03
0	4.60E-02	6.20
1780	8.52E-01	1.05
7	6.93E-01	0.93
0	4.12E-01	1.40
1778	8.16E-01	1.06
0	1.06E-01	5.27
602	1.80E-01	0.88
0	4.19E-01	0.56
0	4.05E-01	2.25
753	4.34E-01	0.93
721	2.70E-01	1.11
0	9.08E-01	1.06
0	8.88E-01	1.07
9	1.92E-01	1.28
1921	9.94E-01	1.01
0	7.60E-01	1.63
0	5.11E-01	0.55
0	6.79E-01	0.72
246	9.38E-01	0.99
0	8.71E-01	1.08
0	7.19E-01	1.91
0	1.13E-01	0.38
361	5.52E-01	1.06
0	2.55E-01	0.59
1	6.81E-01	0.86
0	8.61E-01	1.32
398	4.44E-01	1.07
0	9.87E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	5.99E-01	0.51
0	1.81E-02	0.13
0	4.67E-01	2.03
0	4.56E-01	0.36
0	8.10E-01	0.84
4	3.03E-01	0.80
0	9.10E-01	0.87
0	8.30E-01	0.85
0	1.70E-01	3.61
0	5.76E-01	0.71
0	3.92E-01	1.98
251	4.16E-01	0.93
0	9.26E-02	2.97
0	8.21E-01	1.27
1	3.99E-01	1.33
0	7.96E-01	1.22
1	3.22E-01	0.79
15	5.43E-01	0.91
0	7.38E-01	0.91
0	3.85E-01	0.30
0	4.91E-01	1.48
8	7.43E-01	1.06
0	2.16E-01	2.23
0	6.50E-01	1.52
420	1.11E-01	1.15
428	1.68E-01	1.13
5	2.27E-01	0.77
0	5.35E-01	0.39
1270	3.81E-01	1.11
8	3.46E-01	1.17
0	6.89E-01	1.44
0	3.32E-03	27.41
0	1.49E-01	0.27
0	3.90E-01	0.49
0	2.34E-01	0.23
1034	3.43E-01	0.91
0	9.00E-01	1.08
1921	5.23E-01	0.31
0	7.02E-01	1.15
3	8.86E-01	1.03
0	1.12E-01	0.19
2	1.70E-01	0.69
1861	6.33E-01	1.20

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.49E-01	1.91
1860	5.93E-01	1.22
1861	6.15E-01	1.21
41	4.35E-01	0.90
1861	6.33E-01	1.20
0	7.27E-01	0.72
0	9.81E-01	1.02
0	1.21E-01	5.85
0	6.99E-01	1.14
1	6.20E-01	0.84
0	5.89E-01	0.82
0	8.76E-01	1.23
0	4.34E-01	2.22
0	6.00E-01	1.31
12	1.47E-01	0.77
0	9.75E-01	0.95
0	9.24E-01	1.13
0	8.49E-01	1.05
3	2.71E-01	0.76
0	9.01E-03	4.90
0	8.76E-01	0.85
0	8.76E-01	0.85
0	3.29E-01	2.49
0	5.60E-01	1.93
0	8.12E-01	0.78
0	7.71E-01	0.87
0	6.54E-01	0.53
0	5.68E-01	1.73
0	3.03E-01	0.27
0	1.65E-01	2.89
1	8.42E-01	1.05
0	4.58E-01	0.35
231	1.25E-01	1.15
0	4.47E-01	1.47
0	4.47E-01	1.47
0	4.47E-01	1.47
0	7.05E-01	2.21
0	4.52E-01	1.21
0	5.38E-01	0.42
308	7.60E-01	0.97
0	4.71E-01	0.72
0	7.36E-01	0.72
0	8.42E-01	1.38

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

616	9.14E-01	0.99
0	5.60E-01	0.45
0	8.07E-01	0.91
207	8.07E-01	0.98
0	6.53E-01	1.62
0	8.13E-01	1.12
0	2.38E-01	2.40
1	3.08E-01	0.70
0	2.73E-01	3.28
1	3.08E-01	0.70
265	8.62E-01	0.98
142	3.44E-01	1.10
0	5.81E-01	0.44
0	3.90E-01	1.80
0	4.63E-02	5.46
1	4.99E-01	0.72
0	4.14E-02	0.27
3	5.22E-01	0.82
259	9.24E-01	0.99
718	6.15E-01	1.05
0	4.81E-01	0.79
259	6.29E-01	1.05
0	4.82E-01	0.52
0	7.63E-01	0.72
1	3.06E-02	1.85
0	2.11E-01	2.68
0	6.21E-02	4.95
0	6.11E-01	1.49
0	6.82E-01	0.82
0	6.12E-01	2.32
0	7.12E-01	0.68
0	3.84E-01	1.46
0	5.29E-01	1.97
0	5.29E-01	1.97
0	1.24E-01	1.81
0	1.49E-01	4.80
0	9.57E-01	1.07
0	9.57E-01	1.07
188	3.19E-02	1.23
0	4.96E-01	0.49
0	3.42E-01	0.30
0	7.86E-01	0.74
1922	1.00E+00	0.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.27E-01	1.44
1	4.46E-02	2.28
1922	1.00E+00	0.97
0	1.99E-01	0.43
0	6.91E-02	0.12
0	2.11E-01	4.00
1047	8.35E-02	1.19
0	3.46E-01	0.30
18	6.59E-01	1.07
7	9.12E-02	1.37
0	3.11E-01	2.61
0	7.02E-01	1.43
0	4.53E-02	1.71
0	9.70E-01	0.98
0	3.02E-01	0.54
0	7.82E-01	1.31
2	3.78E-01	1.23
28	8.12E-01	1.03
0	5.64E-01	0.61
219	2.73E-03	1.33
178	6.39E-01	1.05
1	2.85E-01	0.65
1	6.36E-01	1.18
0	7.98E-01	1.29
0	9.57E-01	1.08
1	1.12E-01	0.55
0	4.82E-01	0.39
3	9.58E-01	1.01
0	1.75E-02	6.03
0	5.93E-01	1.80
0	6.43E-01	1.73
2	6.75E-01	0.90
0	4.66E-01	2.22
3	5.08E-01	0.85
0	8.10E-01	1.47
0	1.31E-01	5.11
0	8.77E-01	0.91
598	9.84E-01	1.00
0	6.83E-02	5.18
0	4.42E-01	2.27
0	3.81E-01	0.32
0	6.90E-01	0.77
0	8.43E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	3.39E-01	0.69
0	9.22E-01	0.93
0	1.80E-01	0.47
0	5.11E-01	1.87
0	5.73E-02	4.52
0	6.59E-02	4.03
1921	9.26E-01	1.16
0	2.36E-01	1.85
1	6.04E-01	1.18
0	6.78E-02	0.07
0	5.97E-03	21.42
0	9.82E-01	0.99
1	7.98E-01	1.12
0	3.09E-01	0.27
0	4.23E-01	0.34
2	5.72E-01	0.84
4	7.38E-01	1.08
0	9.39E-01	1.07
0	5.97E-03	21.42
737	4.13E-02	1.21
0	2.50E-01	0.46
649	6.08E-02	1.18
0	4.04E-01	1.59
0	4.89E-01	1.63
0	7.52E-01	1.19
0	3.49E-01	2.34
0	1.33E-01	4.78
5	7.14E-01	1.07
0	1.35E-01	3.53
1	9.58E-01	0.98
383	7.42E-02	0.85
0	9.51E-01	1.05
0	3.56E-01	1.61
295	4.47E-02	0.83
4	8.88E-01	1.03
435	1.80E-01	0.89
0	6.02E-01	1.63
1	8.43E-01	0.91
0	5.38E-01	0.44
0	5.36E-01	1.54
0	6.22E-02	2.65
0	2.32E-01	0.18
0	9.56E-01	0.89

0	1.80E-01	3.67
0	2.88E-01	3.37
0	3.17E-01	2.29
0	1.62E-01	0.13
0	8.49E-01	0.92
0	1.19E-01	5.19
0	9.70E-01	1.06
0	3.76E-01	0.36
0	6.68E-01	1.57
0	4.02E-01	2.00
0	2.59E-01	2.34
6	5.84E-01	0.88
0	3.37E-02	7.63
52	6.97E-01	0.96
1	7.12E-01	1.36
0	5.55E-01	0.44
0	4.34E-01	2.04
0	1.16E-01	6.07
11	4.42E-01	1.12
1119	6.39E-01	1.05
12	4.81E-01	1.11
0	2.28E-01	3.65
0	3.67E-01	2.63
1	8.07E-01	1.22
1922	5.05E-01	3.44
33	2.75E-01	0.86
5	6.09E-01	1.14
664	5.70E-01	1.05
0	8.54E-01	0.79
30	3.73E-01	0.89
1	4.92E-01	1.56
720	6.54E-01	1.04
0	5.23E-01	1.62
6	1.75E-01	1.35
0	2.06E-01	0.42
0	6.29E-01	1.33
1	1.36E-01	1.88
0	1.30E-01	2.41
0	1.31E-02	15.45
16	3.86E-01	0.88
0	1.55E-01	0.15
0	6.16E-02	2.66
0	2.34E-01	2.26

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	6.76E-01	1.18
0	3.57E-01	1.51
0	3.57E-01	1.51
0	4.22E-01	1.47
0	6.99E-01	0.67
0	9.88E-01	1.03
38	7.04E-02	0.78
0	8.70E-01	0.86
1	6.89E-01	0.89
0	5.67E-01	0.69
0	4.21E-01	0.34
1	2.65E-01	1.55
0	8.03E-01	0.80
183	4.28E-01	0.93
183	4.95E-01	0.94
1921	2.85E-01	0.12
0	7.17E-01	1.15
2	3.83E-01	0.79
1	8.56E-01	0.93
0	3.46E-01	2.83
0	7.57E-01	1.40
0	7.90E-01	1.13
0	6.54E-01	0.53
0	3.33E-01	2.32
0	9.71E-01	1.03
34	9.24E-01	1.01
229	6.63E-01	0.96
230	4.60E-01	0.93
8	2.85E-01	0.80
0	6.46E-01	1.45
0	6.87E-01	1.85
0	9.99E-01	1.00
1	7.47E-01	0.83
0	7.90E-01	0.83
0	7.41E-01	1.28
0	5.21E-01	0.42
0	8.26E-01	0.73
0	8.26E-01	0.73
1	3.95E-01	1.24
0	8.04E-01	0.74
1901	3.96E-01	0.60
0	1.71E-01	2.95
0	6.63E-01	1.42

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.59E-01	2.14
0	4.51E-01	1.43
0	6.37E-02	0.20
5	3.79E-01	1.19
0	3.18E-01	0.38
0	9.64E-01	1.05
1	2.46E-02	0.50
0	7.64E-01	0.66
0	2.97E-01	0.36
0	2.09E-01	2.18
0	8.90E-01	0.82
217	3.91E-01	0.92
1801	4.97E-01	0.85
0	8.56E-01	0.87
0	6.97E-01	0.55
0	2.70E-01	3.20
0	3.89E-02	3.40
0	7.65E-01	0.66
0	8.73E-01	0.94
1118	3.01E-01	0.90
3	3.99E-01	0.83
0	2.35E-02	8.09
1	6.05E-01	0.64
1504	3.59E-01	0.88
0	1.75E-01	0.61
0	5.09E-01	2.17
2	6.68E-01	0.90
1	9.79E-01	0.99
943	4.88E-01	1.07
1	4.19E-01	1.31
0	8.70E-01	1.07
0	2.15E-01	0.35
0	2.08E-01	3.09
1	8.06E-01	1.10
0	6.26E-03	16.64
10	6.51E-01	1.09
0	9.75E-01	1.05
35	4.94E-01	1.09
19	5.54E-01	0.91
1	3.68E-01	0.34
46	4.67E-01	0.91
0	1.45E-01	3.15
0	5.36E-01	1.44

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.02E-01	1.49
153	5.42E-01	1.06
33	7.51E-02	1.27
0	2.17E-01	0.37
0	6.19E-01	0.61
0	4.87E-01	0.76
1	2.59E-01	1.39
0	8.83E-01	0.84
0	3.61E-01	0.33
0	8.15E-01	1.23
0	1.91E-01	2.22
0	7.05E-01	1.23
1	6.01E-01	1.60
358	3.13E-01	1.10
0	8.17E-01	0.89
0	3.26E-01	2.05
2	7.10E-02	0.61
484	4.95E-01	0.94
0	7.09E-01	0.70
0	1.33E-01	0.22
252	5.02E-01	1.06
0	2.50E-01	1.81
1359	1.77E-01	0.85
0	5.27E-01	0.43
98	8.19E-01	0.98
10	3.65E-01	1.16
10	3.96E-01	1.15
438	4.93E-01	1.06
0	9.79E-01	0.98
3	3.74E-02	0.55
0	1.52E-02	3.80
1	2.75E-02	0.37
0	1.94E-01	0.47
0	7.94E-01	0.70
0	8.42E-01	1.36
0	5.08E-01	1.94
0	4.81E-01	1.39
0	5.99E-01	0.48
28	2.30E-01	1.16
0	3.80E-01	1.83
40	5.68E-01	0.93
0	2.17E-02	0.35
196	7.05E-01	0.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1521	1.67E-02	0.71
149	4.20E-02	1.24
0	2.85E-01	0.56
0	9.97E-01	1.00
76	7.81E-01	1.03
0	5.35E-01	1.63
0	3.35E-01	0.28
0	4.40E-01	1.39
140	6.80E-01	0.96
1	3.42E-01	1.42
0	3.96E-01	1.67
0	8.86E-01	1.16
0	8.85E-01	0.88
49	3.15E-01	0.89
128	1.74E-01	1.15
0	1.64E-01	2.33
491	9.86E-01	1.00
0	8.45E-01	1.26
0	6.22E-01	1.32
1	8.54E-02	0.46
1	9.33E-01	0.97
0	9.74E-01	0.96
0	4.46E-01	0.47
0	2.53E-01	3.47
0	7.58E-01	1.65
1	5.46E-01	1.23
0	5.90E-01	1.62
16	4.05E-01	1.14
0	4.25E-01	3.24
509	3.22E-01	0.92
0	1.29E-01	0.39
1444	8.28E-01	0.97
705	6.00E-01	1.05
24	4.30E-02	1.32
110	9.96E-01	1.00
25	1.12E-01	1.25
0	1.00E+00	1.00
31	7.05E-01	1.05
50	3.19E-01	0.88
1	6.36E-01	1.43
404	3.03E-01	0.91
0	9.89E-01	1.01
212	6.93E-01	0.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.67E-01	3.37
16	2.81E-02	1.38
1412	5.09E-01	0.92
1	8.99E-01	0.95
438	5.88E-01	1.05
18	1.08E-01	0.78
549	5.03E-01	1.06
549	5.03E-01	1.06
0	3.50E-01	0.52
121	9.54E-01	1.01
0	5.59E-01	1.97
0	7.99E-01	1.09
0	4.73E-01	1.82
0	3.01E-02	3.54
138	5.90E-01	0.95
0	5.44E-01	2.11
15	9.01E-01	0.98
0	1.71E-01	3.41
0	4.82E-01	0.37
0	9.07E-01	0.84
0	9.45E-01	1.08
1	6.61E-01	1.29
0	6.50E-01	0.52
0	2.41E-01	2.45
0	7.82E-01	0.67
0	7.53E-01	1.38
13	8.34E-01	0.96
0	7.53E-01	1.38
1	5.05E-01	1.37
0	4.97E-01	1.71
0	6.11E-01	1.57
0	1.17E-02	10.33
0	6.71E-01	0.77
0	4.53E-01	0.37
0	9.52E-01	1.05
0	8.65E-01	0.85
0	5.44E-01	2.11
197	1.18E-01	0.86
0	6.05E-01	0.63
0	2.29E-01	2.38
0	4.60E-02	6.21
0	9.14E-01	1.13
0	4.73E-01	0.63

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.44E-01	1.39
1	4.04E-01	0.77
0	5.33E-01	1.88
0	4.29E-01	0.55
0	4.51E-01	0.52
0	9.10E-01	0.85
0	6.96E-01	1.30
0	4.16E-01	0.33
0	9.78E-01	0.98
1	4.88E-01	1.26
0	7.58E-01	0.81
0	9.11E-01	1.06
218	7.67E-01	1.03
0	8.19E-01	1.25
0	7.13E-01	0.71
0	2.06E-01	1.50
0	9.04E-01	0.93
0	5.85E-01	1.53
0	8.01E-01	1.19
0	4.57E-02	0.04
1374	3.46E-01	0.89
0	7.57E-01	1.30
0	2.60E-01	2.22
425	5.24E-01	1.06
0	1.54E-01	2.93
508	6.52E-01	0.96
4	1.88E-01	0.76
0	6.23E-01	1.32
334	3.29E-01	1.09
15	6.14E-01	1.09
0	2.97E-01	3.05
0	5.89E-01	1.58
179	9.53E-01	1.01
0	9.31E-01	1.14
75	7.97E-01	1.03
76	8.17E-01	1.03
0	6.31E-01	0.50
0	9.74E-02	4.76
0	3.11E-01	2.99
341	1.24E-01	0.87
0	9.30E-01	1.15
237	9.19E-02	0.85
262	1.07E-01	0.86

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.31E-01	2.20
0	4.65E-01	1.46
0	8.34E-01	1.24
597	2.40E-01	0.89
1	6.04E-01	1.11
0	5.25E-01	2.16
0	4.53E-01	0.49
4	2.70E-01	1.27
0	9.50E-01	0.95
0	9.45E-01	1.03
0	7.38E-01	0.73
0	5.53E-01	1.90
1	4.32E-01	0.78
0	2.23E-01	0.22
10	5.30E-03	0.59
61	2.37E-01	0.86
0	8.62E-02	4.57
48	1.86E-02	0.73
8	3.05E-03	0.57
0	2.63E-01	3.20
16	2.49E-02	0.70
15	2.78E-02	0.71
9	7.34E-03	1.56
0	1.76E-01	2.24
509	1.61E-01	0.88
685	9.77E-02	0.86
0	5.36E-01	1.41
477	1.06E-01	0.86
0	4.75E-01	2.50
8	3.66E-01	0.84
4	5.93E-01	0.90
4	5.91E-01	0.90
4	8.11E-01	0.96
0	2.37E-01	2.32
0	7.68E-01	0.89
30	1.56E-01	0.81
0	9.27E-01	1.10
0	1.29E-01	0.14
0	7.33E-01	0.69
618	3.77E-01	1.09
539	9.50E-01	1.01
0	5.17E-01	1.25
0	6.29E-01	1.73

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

412	8.31E-01	1.02
0	5.51E-01	0.73
0	1.16E-01	5.80
7	7.39E-01	1.07
0	5.51E-01	1.43
0	9.64E-01	1.04
0	8.04E-02	2.32
0	7.10E-01	1.31
0	5.20E-01	1.88
0	3.68E-01	2.27
1121	1.86E-01	1.15
26	7.18E-01	1.06
33	3.94E-01	1.13
789	4.01E-01	1.08
0	5.16E-01	0.47
17	8.45E-01	1.03
1	3.73E-02	1.59
0	1.62E-01	1.73
2	8.92E-01	1.06
1	7.72E-02	2.70
0	5.92E-01	0.46
0	5.99E-01	0.46
0	9.17E-01	1.08
1	6.47E-01	0.80
1	6.47E-01	0.80
0	3.75E-01	1.69
60	3.78E-01	0.90
0	9.00E-01	1.21
129	2.40E-01	0.88
37	7.86E-01	0.97
3	5.90E-01	1.13
0	6.79E-01	0.57
0	8.27E-02	6.23
0	3.58E-01	0.27
0	9.13E-02	7.40
2	8.72E-01	1.07
1	9.17E-01	1.08
43	7.68E-01	1.04
0	3.65E-02	0.29
0	6.69E-01	0.65
4	4.58E-01	1.17
0	1.41E-01	2.51
0	4.49E-01	2.30

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

4	3.29E-01	1.23
0	6.67E-01	0.71
0	1.84E-01	3.29
1	9.07E-01	0.95
0	3.78E-01	0.38
0	1.12E-01	5.84
0	3.96E-01	2.04
341	5.78E-01	0.95
0	6.98E-02	3.06
0	9.37E-01	1.04
0	4.61E-01	0.58
311	9.94E-02	0.86
305	1.00E-01	0.86
30	3.43E-01	1.14
0	8.27E-01	1.41
0	3.55E-01	1.38
0	4.70E-02	0.16
0	6.55E-01	0.52
1	9.44E-01	1.02
1	9.97E-01	1.00
0	8.59E-01	1.09
30	1.10E-01	1.23
304	2.61E-01	0.90
1	8.93E-01	0.97
718	7.26E-01	0.97
0	4.56E-01	2.30
0	6.60E-01	1.21
0	4.08E-01	0.67
0	6.09E-01	1.57
78	5.83E-01	1.06
0	7.98E-01	0.90
0	6.23E-01	0.61
0	7.48E-01	0.62
0	1.80E-02	0.17
6	5.87E-01	1.13
0	8.12E-01	0.83
0	5.08E-01	1.64
0	1.95E-01	0.52
787	5.19E-01	1.06
1	8.09E-01	1.07
0	6.34E-02	8.16
0	3.90E-01	0.32
0	5.25E-01	0.76

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.42E-01	0.88
0	5.45E-02	6.16
0	9.26E-01	0.93
1	5.58E-01	0.85
0	4.12E-01	1.99
0	4.57E-01	0.36
0	2.25E-01	1.37
979	4.44E-01	1.08
0	7.40E-01	1.71
0	2.40E-02	4.31
0	8.86E-01	1.18
53	8.93E-01	0.98
1	8.16E-02	2.01
0	8.35E-01	0.88
0	9.40E-01	1.06
0	7.59E-01	0.67
1	8.76E-01	0.96
0	1.67E-01	1.60
0	3.61E-01	0.30
0	2.53E-01	0.61
0	6.63E-01	1.50
0	2.56E-01	4.29
0	9.68E-01	0.96
0	3.68E-02	7.37
1788	6.44E-01	1.11
1	9.63E-01	0.98
0	2.40E-01	3.19
0	7.49E-01	0.87
0	8.48E-01	0.87
0	2.66E-01	0.25
5	6.39E-01	0.92
7	6.47E-03	0.55
20	7.47E-01	0.95
0	7.32E-01	1.43
0	3.74E-01	0.49
0	2.16E-01	2.81
0	2.97E-01	0.64
68	8.71E-01	1.02
0	1.09E-01	0.10
0	3.57E-01	2.61
0	9.20E-01	0.93
0	4.26E-01	1.79
73	9.15E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.70E-01	1.02
446	2.94E-01	0.91
0	8.33E-01	1.60
0	6.81E-01	0.58
0	5.06E-01	0.47
1	9.47E-01	1.03
49	3.76E-02	0.77
13	7.20E-02	0.71
15	2.40E-01	0.83
12	7.95E-02	0.72
17	3.01E-01	0.85
0	1.18E-01	3.07
0	4.73E-01	1.67
0	6.40E-01	1.24
0	7.05E-01	1.85
0	8.64E-01	0.78
1	6.04E-03	0.41
0	5.25E-01	0.53
0	9.45E-01	1.12
0	3.39E-01	2.69
273	9.53E-01	1.01
0	2.55E-01	2.27
0	6.84E-01	0.57
0	5.38E-01	0.63
0	3.07E-01	2.35
0	4.33E-01	0.81
1	6.09E-01	0.84
0	5.95E-01	1.74
1	5.46E-01	1.36
0	1.63E-01	2.66
0	7.31E-01	0.79
54	5.47E-01	1.08
97	7.12E-01	1.04
0	3.00E-01	1.97
0	2.57E-01	0.56
110	6.36E-01	1.05
0	3.49E-01	2.78
0	7.29E-01	1.18
0	2.08E-01	1.92
4	7.24E-01	0.92
0	1.47E-01	0.47
0	5.07E-01	2.13
0	1.29E-01	2.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

31	6.30E-01	0.93
0	6.09E-01	1.61
0	5.99E-01	0.56
0	7.67E-01	0.82
40	9.17E-01	1.01
0	9.73E-01	0.97
0	1.69E-01	6.12
0	6.45E-02	4.99
0	6.62E-01	1.59
0	9.17E-01	0.86
399	6.60E-01	0.96
0	1.00E-01	2.10
0	9.21E-01	1.04
1156	5.98E-01	1.06
192	1.93E-01	0.88
134	3.46E-01	1.10
0	3.23E-01	1.49
27	8.21E-01	1.03
0	5.75E-01	1.66
178	8.74E-01	1.02
0	8.20E-01	0.88
20	1.16E-01	1.26
0	1.21E-01	2.21
0	2.86E-01	0.54
151	1.02E-01	0.85
0	7.84E-01	1.56
0	8.19E-01	1.19
18	3.23E-01	1.16
1	4.09E-01	1.35
1	1.79E-01	1.61
0	8.69E-01	0.78
2	6.93E-01	0.87
88	7.44E-01	0.97
0	2.87E-01	2.06
0	2.44E-01	2.59
1918	1.71E-01	0.26
0	8.77E-02	4.27
0	5.82E-01	1.18
1921	2.74E-01	0.11
0	5.31E-01	0.56
0	3.71E-01	0.31
0	5.64E-02	2.29
0	4.94E-01	1.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.37E-01	1.21
0	4.70E-01	2.25
0	2.99E-01	2.86
0	8.10E-01	1.46
0	8.69E-01	1.17
0	5.61E-02	6.93
255	7.07E-01	0.97
1919	1.60E-01	0.19
0	8.99E-01	1.14
0	1.08E-01	0.16
0	7.01E-02	0.25
8	8.96E-01	0.97
39	1.67E-02	1.34
0	1.97E-01	0.48
0	8.58E-01	1.17
159	2.70E-01	0.90
0	9.57E-01	1.03
0	8.65E-01	0.82
0	9.48E-01	1.02
0	2.46E-01	2.71
0	7.01E-01	1.87
0	6.34E-01	0.68
0	4.71E-01	0.49
0	6.08E-02	0.09
337	6.19E-02	1.18
0	1.38E-01	0.30
0	4.16E-01	1.68
0	3.47E-01	0.39
70	8.47E-01	1.02
0	1.03E-01	3.04
0	6.09E-01	1.56
0	4.86E-01	0.53
0	9.08E-01	0.86
1051	3.94E-02	1.24
0	1.57E-03	16.96
34	7.35E-01	0.96
0	8.37E-01	1.39
0	3.16E-01	2.45
24	4.55E-01	1.11
0	6.26E-01	0.60
0	8.26E-01	1.25
0	2.01E-01	0.38
0	6.92E-01	0.57

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.08E-02	3.76
0	2.94E-01	0.35
0	3.46E-01	0.38
0	3.15E-01	0.49
0	1.30E-01	0.10
0	8.56E-01	0.84
0	8.85E-01	1.12
0	9.79E-01	1.04
0	9.21E-01	0.88
0	6.75E-01	1.60
948	7.38E-01	0.97
0	8.45E-01	0.82
0	1.74E-01	0.20
0	3.96E-01	1.81
0	2.48E-01	3.98
0	7.15E-01	1.23
4	1.14E-02	0.50
0	1.82E-01	3.01
0	4.84E-01	0.39
4	1.06E-01	0.66
0	9.71E-01	1.02
0	3.21E-02	0.35
571	1.07E-01	0.86
0	3.60E-01	1.81
0	3.03E-01	5.00
0	6.29E-01	1.16
0	2.07E-01	2.20
0	8.61E-02	0.53
0	1.91E-01	3.23
0	7.60E-01	1.22
0	6.20E-01	2.27
1875	6.02E-01	1.23
0	5.08E-01	0.41
0	8.15E-01	1.30
135	9.58E-01	0.99
1829	1.97E-01	0.70
0	6.32E-01	1.73
0	2.39E-01	0.23
0	8.26E-01	1.39
0	8.16E-01	1.14
3	2.12E-01	0.72
0	7.29E-01	1.30
2	8.56E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.85E-02	0.19
14	8.54E-01	0.97
789	2.31E-01	0.90
5	4.32E-01	0.83
0	3.60E-01	2.12
0	6.33E-01	1.35
0	7.18E-01	1.25
25	5.86E-02	0.76
343	9.75E-02	0.86
0	1.40E-01	3.95
10	8.69E-01	0.97
0	8.67E-01	1.10
0	7.90E-02	0.35
86	4.96E-01	1.08
0	8.00E-01	1.14
0	5.10E-01	1.62
0	4.42E-01	2.29
0	2.85E-01	1.74
0	3.51E-01	0.39
0	7.81E-03	3.53
0	3.74E-01	0.43
0	3.74E-01	0.43
0	3.74E-01	0.43
0	9.12E-01	0.85
1	3.19E-01	1.26
0	1.95E-01	0.27
0	5.50E-01	1.87
24	6.18E-01	1.07
1	5.18E-01	1.22
26	6.74E-01	1.06
0	7.42E-01	0.87
0	5.58E-01	1.82
7	8.16E-01	1.04
0	5.35E-01	0.54
0	6.75E-01	0.80
0	4.79E-01	1.43
710	6.19E-01	1.05
1	3.36E-01	1.89
0	7.51E-01	1.35
515	2.45E-01	1.11
0	8.82E-01	1.11
645	8.64E-01	1.02
0	5.56E-01	0.63

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.87E-01	1.82
0	9.80E-01	0.99
671	6.27E-01	1.05
59	4.61E-01	1.09
746	7.05E-01	0.97
0	7.25E-01	1.64
0	1.55E-01	5.00
0	8.97E-01	1.18
0	8.97E-01	1.18
0	1.42E-02	4.71
0	8.97E-01	1.18
0	9.88E-01	1.01
0	2.41E-01	1.93
0	1.25E-01	2.63
0	2.27E-01	0.20
453	1.62E-01	0.88
970	9.75E-01	1.00
0	4.24E-01	1.45
0	7.46E-01	1.17
0	1.86E-01	2.42
0	4.74E-01	1.56
0	9.31E-01	1.08
1	4.36E-01	0.34
52	1.69E-01	1.18
224	7.81E-01	1.03
595	1.36E-01	1.15
557	1.39E-01	1.14
0	6.80E-01	1.21
0	6.83E-01	0.55
0	8.51E-01	0.85
0	2.86E-01	1.70
0	6.95E-01	1.20
0	8.33E-01	1.15
818	2.59E-01	1.12
0	9.08E-01	1.11
0	9.50E-01	0.88
0	9.22E-01	0.89
168	7.43E-01	0.97
178	8.15E-01	0.98
0	7.57E-01	1.45
1	7.33E-01	1.16
0	1.14E-01	0.11
0	6.15E-01	2.29

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.39E-01	0.95
0	9.38E-01	1.12
0	7.50E-01	1.21
0	6.49E-01	0.61
0	9.20E-01	1.09
232	8.24E-01	1.02
3	6.54E-01	0.91
1	6.37E-01	1.63
0	8.07E-01	0.70
343	2.45E-01	0.90
348	1.27E-01	0.87
0	5.71E-01	2.61
1	3.94E-01	1.41
1	5.87E-01	0.87
0	7.56E-01	1.39
0	5.24E-02	1.93
0	8.70E-01	1.29
0	5.39E-02	0.09
1	2.62E-01	1.27
0	1.04E-01	3.87
0	4.39E-01	0.34
0	5.29E-01	0.49
1	3.04E-01	1.42
1	3.04E-01	1.42
0	9.96E-01	1.00
0	8.17E-01	1.26
0	5.18E-01	1.82
4	9.45E-01	1.01
4	9.39E-01	1.02
0	7.94E-01	1.16
0	7.98E-01	0.69
0	6.24E-01	1.29
7	2.47E-01	1.24
0	9.59E-01	1.04
0	4.55E-01	0.36
0	7.36E-01	1.72
0	8.57E-01	1.16
0	5.02E-01	2.04
0	7.34E-01	1.73
1	3.42E-01	0.56
3	8.62E-01	1.04
0	9.38E-01	1.13
0	3.26E-01	0.70

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.20E-01	0.37
0	2.30E-02	0.44
2	3.45E-01	1.24
0	1.70E-01	4.29
2	4.08E-01	1.21
0	1.09E-01	0.10
3	7.82E-01	0.94
0	9.64E-01	0.93
24	6.32E-01	1.07
10	5.00E-01	1.13
0	8.12E-01	1.25
28	3.11E-01	1.14
27	4.74E-01	1.10
7	6.67E-01	0.91
0	3.47E-01	0.31
0	4.66E-01	1.74
0	4.90E-01	1.71
0	9.39E-02	3.85
0	9.09E-01	1.04
0	9.60E-01	1.07
0	9.03E-01	0.90
0	4.82E-01	0.40
0	8.31E-02	0.35
21	9.53E-01	1.01
0	8.83E-02	0.07
0	6.13E-01	1.70
0	5.00E-01	0.60
22	3.73E-01	0.88
0	9.07E-01	0.93
0	1.22E-02	21.42
0	8.14E-01	1.10
0	6.22E-01	0.68
846	3.08E-01	0.91
1174	7.02E-01	0.96
123	3.18E-01	1.11
125	6.70E-01	1.04
0	4.47E-01	0.35
0	6.08E-01	0.69
0	1.73E-01	2.35
5	1.85E-01	0.66
0	4.19E-01	0.44
0	4.86E-01	1.70
5	5.39E-01	0.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.77E-01	0.27
0	7.33E-01	1.47
0	5.43E-02	1.64
0	6.24E-01	1.45
0	4.82E-02	7.12
0	4.82E-02	7.12
0	8.50E-01	0.76
0	1.03E-01	3.93
0	4.87E-01	3.61
0	6.46E-01	0.51
0	7.67E-01	0.71
0	9.34E-01	0.92
0	9.84E-01	1.02
0	9.97E-01	1.00
0	5.73E-01	1.73
0	8.82E-01	0.91
0	8.55E-01	0.81
0	4.65E-01	3.62
124	2.16E-01	1.13
1	4.29E-01	1.33
0	7.46E-01	1.17
103	5.09E-01	1.07
0	6.76E-01	0.52
0	7.44E-01	0.77
342	2.70E-01	0.90
0	6.87E-01	0.88
0	4.20E-01	1.97
0	3.47E-01	0.39
0	1.20E-01	5.04
0	7.11E-01	0.77
0	6.31E-01	1.66
2	1.20E-01	1.53
0	2.25E-01	0.52
1	6.52E-01	0.56
0	2.47E-02	0.05
391	5.39E-01	0.95
0	7.19E-02	0.09
1	7.78E-01	1.08
1	9.93E-02	1.76
11	9.51E-01	0.99
0	8.72E-01	0.87
0	1.89E-01	0.60
0	7.74E-01	0.76

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	1.79E-01	0.57
0	7.28E-01	1.18
8	5.22E-01	1.12
0	1.98E-02	0.40
0	3.24E-01	2.86
0	8.62E-01	1.06
725	6.80E-01	0.96
0	3.96E-02	4.20
0	8.51E-01	1.24
300	8.28E-01	1.02
48	7.88E-01	0.97
1354	4.81E-01	1.09
0	9.05E-01	1.14
157	3.54E-01	1.10
0	3.57E-01	1.60
0	8.52E-01	0.88
0	6.87E-01	1.58
0	8.85E-01	1.15
1	8.20E-01	0.88
16	8.65E-01	0.97
125	7.51E-01	1.03
348	5.34E-01	1.06
45	7.08E-01	1.05
1	2.18E-03	0.42
0	3.78E-01	2.06
0	7.04E-01	1.29
0	3.96E-01	1.56
0	9.97E-01	1.00
0	6.74E-01	1.51
0	2.56E-02	9.04
4	5.67E-01	0.87
1	7.31E-01	0.89
178	6.63E-01	0.96
0	5.06E-01	0.35
0	9.51E-01	1.04
0	9.51E-01	1.04
1	6.29E-01	0.65
0	9.38E-01	1.09
3	2.34E-01	0.73
4	4.66E-01	1.21
0	7.04E-01	1.26
0	7.18E-01	1.49
282	9.09E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.43E-01	1.33
282	8.79E-01	1.01
4	4.70E-01	1.21
0	8.19E-01	0.86
0	9.61E-01	1.08
0	3.77E-01	1.87
0	9.88E-01	0.99
16	3.93E-01	1.15
0	6.84E-01	1.95
0	7.70E-01	1.30
5	7.26E-01	0.93
0	9.96E-01	0.99
0	9.56E-01	0.96
1	1.60E-01	0.55
67	7.01E-01	1.05
0	6.15E-01	1.69
3	2.42E-02	1.76
0	5.83E-01	0.47
2	5.99E-01	0.88
0	8.74E-01	1.29
251	7.52E-01	0.97
0	7.91E-01	0.69
1	5.43E-01	0.82
0	8.49E-01	1.15
0	5.05E-01	1.50
0	5.87E-02	0.11
0	9.00E-03	4.09
0	3.82E-01	2.35
1	4.84E-01	1.33
2	8.35E-01	1.05
44	5.41E-01	1.08
0	6.67E-01	0.54
0	9.19E-01	1.15
19	1.64E-02	0.69
0	4.00E-02	0.31
0	9.64E-01	0.98
2	7.70E-01	1.07
1	4.33E-01	0.60
2	7.70E-01	1.07
3	8.57E-01	0.95
1487	4.67E-01	1.11
1460	5.63E-01	1.08
49	2.78E-01	0.87

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.24E-01	1.07
148	1.75E-01	1.14
0	7.07E-01	0.76
1	2.40E-01	0.63
0	3.42E-01	1.91
247	3.14E-01	0.91
0	4.81E-02	6.90
0	4.31E-01	0.35
0	7.65E-01	0.88
0	1.66E-01	0.13
0	9.00E-01	1.15
0	3.69E-01	1.86
108	2.86E-01	1.12
0	7.41E-01	0.63
1922	1.00E+00	0.97
1	4.65E-01	1.30
0	9.19E-01	1.09
0	1.22E-01	0.38
134	5.48E-01	0.94
700	5.49E-01	0.95
3	9.50E-01	0.98
0	9.81E-01	1.04
143	1.84E-01	0.87
0	4.82E-01	0.38
2	2.34E-01	1.34
0	9.11E-01	0.89
0	6.81E-01	1.59
1	6.67E-01	1.15
0	5.48E-01	0.61
0	4.87E-01	0.50
0	5.16E-01	2.18
0	6.90E-01	0.55
135	6.01E-01	0.95
3	7.34E-01	0.91
0	1.34E-01	2.78
0	5.67E-01	0.51
1	3.44E-01	1.43
0	9.06E-01	0.94
0	7.14E-01	0.62
0	2.73E-02	6.07
0	6.42E-01	1.32
218	3.98E-01	1.08
218	3.98E-01	1.08

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.78E-01	0.55
5	7.91E-01	0.95
1	6.83E-01	1.20
5	6.28E-01	0.91
1	3.25E-03	0.39
0	3.42E-01	0.66
0	9.35E-01	1.04
1123	6.70E-01	0.96
0	7.18E-01	0.84
0	8.63E-01	0.78
78	7.95E-01	0.97
98	7.93E-01	1.03
0	7.05E-01	1.27
0	4.84E-02	3.87
0	7.94E-01	1.51
0	9.48E-01	0.92
0	4.98E-01	1.35
0	4.87E-01	1.73
0	1.96E-02	9.13
64	3.72E-01	1.11
0	5.21E-01	0.43
0	6.21E-01	1.51
1	5.33E-01	1.30
179	9.00E-01	0.99
0	9.09E-01	1.20
0	7.07E-01	1.47
0	3.48E-01	0.56
0	2.61E-01	0.36
0	8.53E-01	1.14
0	2.16E-01	0.31
1	3.11E-01	1.60
9	5.96E-02	0.71
0	3.41E-01	0.34
5	2.02E-01	0.76
0	3.04E-01	0.40
0	8.71E-01	1.14
0	4.54E-01	0.62
187	8.31E-01	1.02
0	1.03E-01	2.28
0	3.05E-02	0.18
0	4.31E-01	1.65
0	8.78E-01	1.06
0	2.01E-01	4.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	7.55E-03	2.79
0	9.62E-02	0.24
0	2.67E-01	1.92
72	5.20E-01	1.08
72	5.20E-01	1.08
0	8.22E-01	0.94
53	6.74E-01	1.05
0	9.85E-02	0.24
1350	5.15E-01	1.08
0	3.08E-01	0.50
1	5.18E-01	1.47
66	7.21E-01	1.04
1288	8.74E-01	0.98
0	4.55E-01	1.47
52	6.58E-01	1.05
1266	6.94E-01	0.96
0	3.03E-01	0.55
1284	9.27E-01	0.99
0	1.74E-01	3.28
1	8.44E-01	1.12
0	5.29E-01	0.60
0	5.57E-01	1.39
0	9.87E-01	1.01
0	7.50E-01	1.67
0	5.53E-01	0.64
0	3.38E-01	0.70
0	1.37E-01	0.15
0	5.02E-01	2.07
0	4.55E-01	1.34
33	1.04E-01	1.24
0	5.72E-01	1.65
0	2.31E-01	0.33
0	8.98E-01	0.85
0	9.00E-01	0.85
0	4.39E-01	0.49
774	1.09E-01	1.16
0	6.11E-01	0.48
1091	9.42E-01	0.99
0	6.95E-01	1.43
644	4.74E-01	1.07
0	1.15E-01	0.22
0	4.45E-01	2.33
0	7.92E-01	1.33

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

56	9.16E-01	1.01
1	3.08E-01	0.54
0	7.86E-01	0.88
138	2.42E-01	1.12
9	4.12E-01	1.15
288	1.23E-01	0.87
0	9.85E-01	0.99
0	1.73E-01	1.88
1	8.83E-01	0.93
0	8.37E-01	1.16
0	2.38E-01	3.58
0	9.63E-01	0.93
0	2.76E-01	0.47
0	5.15E-01	0.80
318	7.87E-01	1.03
0	7.80E-01	0.71
671	6.57E-01	1.04
0	8.02E-01	1.13
67	6.63E-01	1.05
0	6.94E-01	0.87
1	7.04E-01	0.72
0	3.78E-01	0.27
7	8.02E-01	1.05
707	9.60E-01	1.00
7	8.18E-01	1.04
0	1.18E-01	0.31
0	3.70E-01	1.45
1309	4.46E-01	0.91
495	9.96E-02	0.86
0	4.60E-01	1.28
1	2.18E-01	2.76
0	2.17E-02	6.14
0	2.05E-01	2.99
0	4.36E-01	2.64
0	1.12E-01	0.50
1	8.51E-01	1.07
45	7.41E-01	0.96
0	3.42E-01	2.61
0	5.73E-01	0.46
165	7.62E-01	1.03
1000	6.55E-01	1.05
0	4.46E-01	1.57
0	2.73E-01	2.30

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.87E-01	1.70
0	6.44E-02	2.10
0	7.16E-02	2.05
0	6.30E-02	5.34
0	8.50E-01	1.22
643	3.66E-01	0.92
2	9.56E-01	0.98
0	9.77E-01	1.04
0	8.12E-01	0.77
0	3.43E-01	2.46
0	5.02E-01	0.64
0	6.83E-01	1.52
74	8.89E-01	1.02
0	2.90E-01	0.25
0	5.95E-01	0.71
484	6.47E-01	0.96
0	3.29E-01	2.30
165	1.28E-01	0.86
0	4.44E-02	2.20
0	6.84E-01	1.37
16	2.89E-01	0.84
0	8.10E-01	0.89
334	3.11E-01	0.91
0	2.27E-01	1.68
437	1.84E-01	0.89
4	7.73E-01	1.07
0	1.57E-01	1.87
19	1.05E-01	0.77
312	3.83E-01	0.92
1916	2.31E-01	3.24
8	3.94E-01	1.15
0	6.59E-01	1.28
742	6.27E-01	0.96
2	4.43E-01	1.21
0	9.87E-01	1.01
0	3.21E-01	0.43
0	3.10E-01	1.71
0	9.37E-01	0.96
848	1.74E-01	1.14
0	2.56E-01	3.09
13	1.18E-02	1.46
0	2.38E-01	3.17
45	4.65E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

9	5.32E-01	1.11
0	8.37E-01	0.91
0	9.44E-02	0.33
0	8.44E-02	8.51
0	7.96E-01	0.82
26	7.85E-01	0.96
27	8.53E-01	0.97
2	7.86E-01	0.90
328	3.66E-01	1.08
0	5.85E-01	1.54
0	5.04E-01	1.72
2	8.60E-01	1.07
0	7.85E-01	1.26
547	3.14E-01	1.09
0	6.95E-01	1.90
0	9.60E-01	0.93
1165	2.29E-01	1.14
0	4.37E-01	1.47
0	5.24E-01	2.17
0	7.49E-01	0.62
0	8.88E-02	2.55
0	7.03E-01	1.98
0	4.26E-01	1.32
20	8.96E-01	1.02
1	9.75E-01	0.99
0	9.42E-01	0.94
0	9.20E-01	0.88
0	2.41E-01	3.57
0	4.24E-01	2.36
15	2.23E-01	1.20
0	6.47E-01	0.63
0	9.42E-03	2.30
9	9.21E-01	1.02
0	5.11E-01	1.67
223	9.50E-01	1.01
1	2.94E-01	2.34
0	2.84E-01	1.69
184	3.92E-01	0.92
0	9.52E-01	1.10
213	3.57E-01	0.92
20	4.52E-01	0.88
20	5.33E-01	0.90
1	7.84E-01	0.88

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

523	8.91E-01	0.99
3	7.37E-01	0.91
1	8.18E-01	0.91
0	6.24E-01	1.67
0	6.25E-01	1.55
0	8.30E-01	0.78
13	5.45E-01	0.90
0	9.77E-01	0.96
14	9.54E-01	0.99
47	9.72E-01	1.00
47	9.48E-01	0.99
0	3.64E-01	3.08
2	6.20E-01	1.14
0	2.67E-01	0.23
0	8.24E-01	0.92
317	5.25E-01	0.94
0	9.36E-01	1.09
0	7.53E-01	0.64
0	6.68E-02	9.15
0	4.58E-01	1.91
59	8.91E-01	0.98
0	7.53E-01	0.64
0	1.48E-01	2.14
0	8.36E-01	0.86
612	5.06E-01	1.06
0	4.92E-01	2.24
0	2.67E-01	0.23
0	2.69E-01	2.21
0	2.24E-01	1.59
0	4.65E-01	1.33
0	1.48E-01	2.14
0	6.82E-01	0.76
0	6.59E-01	1.30
0	5.79E-01	0.55
0	2.29E-01	0.23
0	5.75E-01	0.56
2	2.49E-01	0.60
0	3.13E-01	0.25
632	6.27E-01	1.04
0	7.47E-01	1.23
0	5.47E-01	2.00
0	3.93E-01	2.27
0	9.77E-02	0.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.02E-01	1.43
0	5.16E-01	0.42
0	5.30E-01	0.61
0	5.67E-01	0.46
0	3.64E-01	0.30
8	2.06E-01	0.80
190	8.15E-01	1.02
8	2.27E-01	0.81
0	4.34E-01	2.29
0	3.79E-01	1.92
211	3.59E-01	0.92
211	4.72E-01	0.93
2	9.29E-01	1.03
568	2.32E-02	0.82
2	8.73E-01	1.03
0	9.79E-01	1.02
0	6.51E-01	1.57
0	6.27E-01	0.70
0	1.81E-01	3.82
0	6.50E-01	1.38
0	6.81E-01	0.65
0	6.30E-01	0.79
0	8.21E-01	0.82
0	4.03E-01	1.97
0	5.35E-01	1.70
0	6.32E-01	1.59
0	1.27E-01	5.54
0	1.56E-01	4.91
8	5.28E-01	1.13
0	1.21E-01	2.70
0	3.19E-01	0.25
0	8.46E-01	1.10
24	8.71E-01	1.02
0	2.72E-02	11.86
0	1.21E-01	2.70
0	5.94E-01	0.52
0	6.48E-01	1.38
2	7.41E-01	0.91
7	4.88E-01	1.13
0	3.60E-02	2.76
0	7.80E-01	1.33
15	3.59E-01	1.15
0	2.94E-01	0.40

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.48E-01	0.82
0	5.88E-01	0.55
0	6.32E-01	1.59
0	6.72E-01	0.86
0	2.59E-01	0.38
0	3.15E-01	2.83
19	8.46E-02	1.28
0	3.88E-01	0.33
0	9.44E-01	1.08
0	6.37E-01	1.47
0	1.14E-01	2.32
21	6.18E-01	1.08
0	9.22E-01	0.89
4	2.11E-01	0.74
4	5.68E-01	1.13
0	2.79E-02	8.04
1	8.20E-01	1.10
0	9.11E-01	1.15
0	6.53E-01	0.59
1145	3.17E-02	1.27
0	7.84E-01	1.29
5	5.51E-01	1.12
0	4.57E-01	0.50
0	6.63E-01	1.46
15	5.53E-01	1.09
2	4.95E-01	1.18
0	2.25E-01	3.79
3	6.81E-01	1.09
0	7.67E-01	1.39
0	5.09E-01	1.71
775	6.07E-01	1.05
776	5.44E-01	1.06
0	9.31E-01	1.09
0	9.90E-01	1.00
15	4.41E-01	1.12
0	2.00E-02	3.77
15	4.41E-01	1.12
5	8.74E-02	0.58
0	3.04E-01	0.58
0	2.22E-01	3.30
0	9.26E-01	0.94
0	2.53E-01	1.54
0	2.00E-02	3.77

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.92E-01	1.26
0	3.27E-01	2.30
0	3.58E-01	0.39
0	1.27E-01	4.03
1	9.05E-01	1.06
196	5.65E-01	0.94
1	7.55E-01	0.91
22	4.55E-01	0.90
0	3.75E-01	1.38
0	3.95E-01	1.84
0	6.37E-01	1.47
0	6.16E-01	0.51
482	1.84E-01	1.13
0	9.50E-01	1.05
0	5.34E-01	1.32
9	4.13E-01	1.16
0	9.22E-01	0.86
1	3.13E-01	1.37
16	5.27E-01	1.10
0	9.16E-01	1.09
0	2.86E-02	9.29
1921	2.40E-01	5.81
1	3.13E-01	1.37
0	1.95E-01	2.23
0	1.12E-01	5.02
0	5.56E-01	1.94
0	7.56E-01	0.76
0	9.01E-01	1.21
0	9.01E-01	1.21
0	5.52E-01	0.68
0	5.95E-01	0.59
0	8.83E-01	1.23
0	5.89E-01	1.70
0	8.88E-01	0.88
452	9.08E-01	0.99
1921	1.86E-01	0.06
0	5.31E-01	2.07
0	9.19E-01	0.91
0	9.80E-01	0.99
453	9.44E-01	0.99
0	2.31E-01	4.00
2	3.60E-01	0.85
0	8.86E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.94E-03	6.20
0	4.24E-01	0.74
0	4.35E-01	1.89
0	6.14E-01	0.49
0	9.17E-01	1.10
848	7.74E-01	0.97
1922	1.00E+00	0.97
0	7.08E-01	1.51
0	1.37E-01	2.13
0	3.59E-01	0.32
0	4.24E-02	13.48
0	8.98E-01	0.90
0	5.94E-01	0.62
0	9.17E-01	1.10
1	8.98E-01	1.07
391	5.04E-01	1.06
0	9.49E-01	0.93
10	9.96E-01	1.00
0	5.85E-01	1.57
0	3.57E-01	0.28
24	8.97E-02	0.77
1	4.75E-01	0.72
0	3.26E-01	2.01
0	1.66E-01	3.07
0	3.30E-01	0.41
0	9.43E-01	0.93
0	1.30E-01	0.12
0	9.89E-02	0.13
0	2.58E-01	2.88
0	4.46E-01	2.34
0	6.01E-02	0.12
0	7.36E-01	1.38
0	8.15E-01	1.21
0	6.90E-01	0.69
0	7.37E-01	1.41
0	2.46E-01	2.56
0	9.01E-01	1.21
132	6.19E-01	0.95
0	9.79E-01	0.98
0	1.97E-01	4.22
0	1.37E-01	0.25
8	5.26E-01	1.14
79	1.27E-01	1.18

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.75E-01	1.17
0	4.36E-01	0.71
0	3.26E-01	0.28
1880	1.00E+00	1.00
0	3.39E-01	0.38
0	5.66E-01	0.79
0	6.46E-01	0.50
0	3.29E-01	1.87
0	5.52E-02	2.95
0	6.82E-01	0.81
0	2.78E-01	0.40
3	1.42E-01	0.68
1	4.17E-02	1.72
1	3.47E-01	0.77
1	5.70E-01	0.68
0	5.55E-02	2.87
0	3.01E-01	2.21
0	7.06E-01	1.40
0	2.19E-02	4.53
0	9.87E-01	1.01
0	3.94E-02	0.04
0	5.49E-01	1.46
0	2.19E-02	4.53
5	5.47E-01	1.13
0	7.51E-02	0.13
0	7.12E-02	0.18
0	2.19E-02	4.53
1	7.08E-01	1.26
0	2.19E-02	4.53
5	4.47E-01	1.17
0	6.09E-01	0.87
0	3.05E-01	0.24
0	1.46E-01	3.60
0	8.72E-02	6.45
1	6.43E-01	1.24
0	6.58E-01	1.29
0	6.54E-01	0.60
0	2.19E-02	4.53
0	3.09E-01	3.09
0	6.65E-01	0.61
0	1.76E-01	2.77
1	3.98E-01	2.08
0	6.93E-01	0.65

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.25E-01	0.49
84	8.12E-01	1.03
0	5.05E-01	0.42
0	1.85E-01	2.69
0	7.94E-01	0.68
0	2.84E-01	0.26
0	4.91E-01	0.34
0	7.80E-01	0.77
0	5.74E-01	0.63
0	2.25E-01	3.24
0	7.21E-02	3.35
1834	8.29E-01	0.94
0	6.56E-01	1.61
0	2.88E-01	2.87
0	1.66E-01	2.58
0	9.37E-01	1.05
0	7.71E-01	1.22
0	6.85E-01	1.71
0	4.85E-01	0.37
0	4.98E-01	0.63
0	9.07E-01	1.20
1690	5.76E-01	0.90
0	7.52E-01	1.30
0	5.07E-01	1.91
0	5.60E-01	1.92
440	6.69E-02	0.85
608	7.56E-01	0.97
0	3.85E-02	1.99
0	3.61E-01	0.40
317	8.55E-02	0.85
347	3.21E-01	0.91
0	7.04E-01	0.71
347	5.79E-01	0.95
0	1.43E-01	0.13
0	2.24E-01	0.17
0	4.33E-01	2.13
408	7.90E-01	0.98
4	2.81E-01	1.25
0	9.24E-01	1.03
0	5.48E-01	1.83
0	8.83E-01	1.13
0	1.19E-01	2.95
0	7.23E-02	3.23

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.50E-01	0.36
137	9.63E-01	1.00
0	8.73E-01	1.36
110	3.88E-01	1.10
0	3.19E-01	0.38
1922	1.00E+00	0.97
0	6.62E-01	0.55
0	6.48E-01	1.44
0	2.89E-01	0.35
0	2.90E-03	5.20
0	2.90E-03	5.20
0	8.24E-01	0.90
0	8.89E-02	2.18
0	8.89E-02	2.18
0	4.85E-01	2.13
0	7.68E-01	1.19
0	5.90E-01	0.53
0	7.75E-01	1.31
0	2.47E-01	0.63
933	1.52E-01	0.87
0	4.02E-01	0.62
0	3.57E-01	2.80
1	4.45E-01	1.20
0	7.60E-02	0.34
0	9.01E-01	1.06
0	8.80E-01	0.80
0	3.50E-01	0.28
0	8.80E-01	0.80
0	8.43E-01	1.30
0	7.37E-01	0.68
0	5.77E-01	1.74
2	7.20E-01	1.08
1	2.84E-01	1.49
1	8.40E-01	0.95
0	3.40E-01	0.35
0	8.66E-01	0.83
1919	7.73E-01	0.73
561	7.36E-01	1.03
0	1.82E-01	2.08
2	7.05E-01	0.88
3	7.30E-02	0.64
32	9.87E-01	1.00
204	7.11E-01	0.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

34	8.66E-01	0.98
0	5.75E-01	0.46
1	3.18E-01	1.98
2	1.81E-01	1.34
0	1.59E-01	0.33
0	3.21E-01	2.21
25	9.86E-01	1.00
387	8.20E-01	0.98
0	6.04E-01	1.49
2	8.84E-01	0.95
0	9.21E-01	1.10
0	5.47E-01	0.75
0	9.62E-01	1.07
0	7.79E-01	1.19
0	7.54E-01	0.64
4	1.39E-01	1.42
0	2.76E-01	3.84
0	7.00E-01	0.58
0	5.61E-01	0.84
60	4.94E-01	1.08
927	3.39E-01	0.91
0	7.60E-01	0.70
0	9.06E-01	0.84
0	3.52E-01	2.64
51	4.25E-01	1.10
0	7.08E-01	1.47
0	2.23E-01	1.88
0	5.83E-02	0.47
46	1.18E-01	1.22
417	4.11E-01	0.93
0	5.67E-01	0.52
0	1.07E-01	3.09
0	8.82E-01	1.13
0	4.08E-01	0.44
0	6.94E-01	1.40
0	2.47E-01	0.34
0	7.86E-01	1.24
109	3.59E-01	1.10
0	6.47E-01	0.79
108	3.41E-01	1.10
0	6.37E-01	1.24
0	4.62E-03	2.51
0	5.92E-01	0.70

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

14	8.37E-01	1.03
0	3.11E-01	2.13
0	6.42E-01	0.83
0	6.10E-01	0.61
1	3.29E-01	0.48
0	6.61E-01	0.78
279	8.19E-01	0.98
276	6.54E-01	0.96
0	3.97E-01	1.81
10	2.81E-01	1.20
8	3.48E-02	0.65
63	4.72E-01	1.09
0	9.19E-01	0.89
0	6.53E-01	1.25
0	6.48E-01	1.42
1	8.65E-01	0.91
0	2.58E-01	0.59
43	9.63E-01	1.01
0	7.30E-01	0.59
0	1.49E-01	0.15
59	1.29E-01	0.83
0	4.82E-01	1.61
1	3.64E-01	0.74
4	3.19E-01	1.27
0	1.03E-01	2.96
0	1.84E-01	0.41
0	9.06E-01	1.09
6	2.60E-01	0.78
0	2.57E-01	0.23
35	4.78E-01	0.91
0	8.00E-01	0.70
0	2.01E-01	0.55
195	1.79E-02	0.79
0	9.05E-01	1.07
0	1.79E-01	3.28
0	5.36E-01	0.52
0	7.28E-01	1.37
0	1.23E-01	4.54
0	9.20E-01	1.15
0	8.69E-01	1.12
0	5.15E-01	0.54
0	8.49E-01	1.27
376	4.11E-01	1.08

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

70	4.08E-01	1.10
0	7.02E-01	0.57
0	7.02E-01	0.57
2	2.35E-01	1.31
0	7.80E-01	0.80
0	7.32E-01	1.49
2	2.09E-01	1.34
1	7.16E-01	0.85
126	6.21E-01	0.95
0	6.02E-01	1.55
0	3.22E-01	2.28
0	4.77E-01	0.38
11	6.21E-01	1.09
26	6.99E-01	1.05
0	9.72E-01	0.95
24	1.04E-01	1.24
0	9.03E-01	0.92
1	1.66E-01	1.84
48	3.75E-01	1.12
0	9.91E-01	1.01
0	3.79E-02	2.69
0	7.76E-01	1.39
0	8.56E-01	0.94
0	8.64E-01	1.20
0	8.48E-01	1.35
1	4.81E-01	0.75
4	5.64E-01	0.87
0	2.01E-01	1.41
1904	1.20E-01	0.46
0	4.87E-01	1.96
3	7.65E-01	1.10
0	3.58E-03	17.34
0	5.83E-01	0.57
0	1.16E-01	2.08
1922	1.00E+00	0.97
92	5.49E-01	1.07
0	8.16E-01	1.26
0	9.65E-01	1.05
0	4.10E-01	2.01
130	7.96E-01	0.97
0	8.55E-01	1.53
0	5.53E-01	0.44
0	5.63E-01	0.81

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.59E-01	0.46
1	6.32E-01	1.32
539	9.45E-01	0.99
0	1.48E-01	0.18
39	9.75E-01	1.00
4	4.97E-01	1.16
2	4.60E-01	0.75
539	9.94E-01	1.00
0	9.88E-02	0.40
197	7.61E-01	0.97
0	9.77E-01	0.99
0	3.96E-01	0.48
0	7.30E-01	0.61
0	8.83E-01	1.16
0	6.37E-01	2.19
0	6.01E-01	0.80
2	1.39E-01	1.45
6	7.44E-01	0.94
0	8.50E-01	1.17
0	2.10E-02	3.87
1	5.10E-01	1.45
0	3.59E-01	2.94
0	6.76E-01	1.50
0	6.76E-01	1.51
0	6.87E-01	1.45
3	2.43E-01	1.28
0	6.61E-01	1.31
0	4.39E-01	1.23
0	2.25E-02	7.67
0	8.84E-01	0.83
1826	7.23E-01	0.91
0	7.74E-01	0.78
197	2.54E-01	0.89
0	1.86E-02	2.77
0	9.56E-01	1.04
0	6.81E-01	0.83
0	9.05E-01	0.90
0	4.01E-04	0.03
0	8.29E-01	1.37
0	5.59E-01	1.76
0	9.47E-01	0.91
0	5.31E-01	1.79
12	5.16E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

299	7.92E-01	1.02
0	5.05E-01	0.53
0	8.26E-01	1.26
25	3.95E-01	0.88
1	6.09E-01	1.61
0	5.35E-01	0.73
0	7.06E-01	0.86
0	1.99E-01	0.33
0	1.37E-01	0.38
0	8.63E-02	0.13
0	2.83E-01	1.80
0	6.28E-01	0.74
0	3.03E-01	0.62
493	7.62E-01	0.97
0	4.15E-01	2.47
0	9.15E-01	1.04
0	5.24E-01	0.70
0	3.89E-01	2.18
0	8.87E-01	0.95
0	5.09E-01	1.69
1	4.12E-01	1.35
0	5.09E-01	1.69
488	1.60E-01	1.14
0	6.22E-01	1.46
602	1.58E-01	1.13
0	8.52E-01	0.91
0	6.06E-01	1.52
1	9.58E-02	1.99
0	7.56E-01	0.70
30	2.15E-01	1.18
0	6.52E-01	0.79
116	4.35E-01	1.09
0	9.73E-01	1.02
85	5.48E-01	1.07
60	1.16E-01	1.20
0	2.85E-01	0.34
0	5.30E-01	1.46
39	1.91E-02	0.74
0	3.77E-01	2.99
1	6.70E-02	1.86
11	1.27E-01	0.78
5	5.49E-01	1.13
5	6.79E-01	1.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.12E-01	3.32
1	9.55E-01	1.03
0	5.87E-01	1.77
0	5.88E-01	1.76
0	6.79E-02	8.09
0	6.53E-01	1.55
0	6.12E-01	0.49
0	7.31E-01	1.42
0	2.44E-01	3.42
206	8.42E-01	1.02
0	6.70E-01	2.00
1	5.99E-01	0.85
57	7.32E-01	1.04
0	9.65E-01	1.02
0	9.00E-01	1.21
0	5.59E-01	1.95
0	2.96E-01	2.96
243	3.99E-01	0.92
0	3.94E-01	1.72
0	6.89E-01	0.73
8	6.16E-02	0.66
0	6.55E-01	0.69
0	6.67E-01	1.31
0	4.82E-01	0.38
1	3.24E-02	2.41
0	8.59E-01	1.29
0	9.46E-01	0.93
50	4.55E-02	0.77
0	7.34E-01	1.26
832	6.02E-03	0.77
275	1.92E-02	0.80
14	8.63E-01	0.97
41	1.58E-01	1.19
0	2.14E-01	4.01
0	5.35E-01	1.37
0	7.82E-01	0.81
0	5.00E-01	1.82
5	6.72E-02	0.66
0	9.41E-01	1.08
1141	4.62E-01	1.08
52	1.57E-02	1.34
52	1.57E-02	1.34
52	2.27E-02	1.31

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

60	9.39E-01	0.99
22	3.55E-01	1.14
0	2.23E-01	0.23
4	9.03E-01	0.97
0	2.07E-02	0.04
114	6.93E-01	0.96
0	6.98E-01	1.31
0	7.88E-01	1.14
0	3.72E-01	0.34
0	8.55E-01	0.77
0	2.08E-01	0.32
17	5.42E-01	1.10
0	1.80E-01	4.03
0	8.12E-01	0.88
0	7.25E-01	1.14
917	5.71E-01	0.95
0	1.78E-01	1.96
0	3.25E-01	1.88
3	7.34E-01	0.93
105	3.99E-01	1.09
0	3.84E-01	0.62
0	3.91E-01	0.54
146	9.51E-01	0.99
8	4.79E-01	0.85
0	7.16E-01	0.71
1007	5.02E-01	0.93
203	8.76E-01	0.99
0	1.88E-02	2.26
0	5.62E-02	7.97
0	1.72E-01	0.18
1	8.73E-01	1.14
2	9.66E-01	0.99
25	9.63E-01	0.99
0	5.44E-01	1.18
0	5.62E-01	1.88
0	5.33E-01	2.00
158	4.19E-01	0.92
77	8.35E-01	1.02
0	8.91E-01	0.86
193	5.45E-01	0.94
238	9.93E-01	1.00
0	4.68E-02	2.46
1	3.80E-01	0.75

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

357	7.90E-01	1.02
65	2.15E-01	0.86
0	7.45E-02	0.29
6	2.36E-01	1.27
53	7.75E-01	0.97
0	8.30E-01	1.28
1850	9.55E-01	1.02
0	9.30E-01	0.94
0	8.08E-01	1.22
0	7.98E-01	0.91
0	4.03E-01	1.79
0	7.04E-01	1.57
0	6.64E-01	0.52
0	5.07E-01	1.59
0	5.07E-01	1.59
0	5.07E-01	1.59
0	7.90E-01	0.89
0	8.96E-01	1.11
22	8.88E-01	0.98
6	5.44E-01	0.89
0	4.15E-02	0.09
1	7.67E-01	0.92
0	6.83E-01	0.83
0	9.88E-02	0.15
0	9.99E-01	1.00
1777	8.87E-01	1.03
1	1.60E-01	2.34
0	3.97E-01	2.80
0	3.57E-01	0.54
0	7.58E-01	0.64
5	9.63E-01	1.01
1922	1.00E+00	0.97
0	8.23E-01	1.43
9	8.30E-01	1.04
19	9.88E-01	1.00
0	5.58E-01	1.51
0	1.74E-01	0.46
0	6.40E-01	0.71
9	8.30E-01	1.04
139	5.05E-01	1.07
138	5.92E-01	1.05
1074	6.60E-01	1.05
137	5.10E-01	1.07

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

719	4.77E-01	1.07
718	4.87E-01	1.07
137	5.64E-01	1.06
139	5.26E-01	1.06
562	8.14E-01	1.02
259	7.00E-01	1.04
0	1.49E-01	0.17
1768	3.09E-01	0.80
1922	1.00E+00	0.97
1	6.38E-02	0.21
0	2.83E-01	2.48
0	3.38E-01	1.48
176	4.81E-02	0.82
89	2.27E-01	1.14
524	2.63E-01	1.10
0	3.09E-01	1.43
525	2.25E-01	1.11
1	2.83E-01	1.63
0	3.39E-01	1.70
0	6.42E-01	0.69
2	9.24E-02	1.97
0	8.30E-01	0.82
2	8.58E-01	1.05
2	8.58E-01	1.05
0	8.13E-01	0.81
1210	6.37E-02	0.81
0	8.13E-01	0.81
1	9.33E-01	1.03
0	5.16E-01	1.38
0	8.10E-02	5.71
0	5.23E-01	1.30
1	4.15E-01	1.40
0	7.47E-01	0.64
0	4.87E-01	2.50
0	1.83E-01	4.36
1	4.89E-01	1.16
0	5.79E-01	0.87
2	4.13E-01	0.80
0	1.88E-01	2.17
0	3.29E-01	0.27
0	4.97E-02	7.43
108	6.47E-01	1.05
0	7.23E-01	1.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	9.93E-02	0.61
0	6.43E-03	4.77
1	2.81E-01	1.38
2	8.41E-01	0.95
0	5.36E-01	1.52
0	8.21E-01	0.71
25	2.23E-01	0.83
0	8.40E-01	0.81
0	4.61E-01	0.73
1920	9.38E-01	1.13
1	7.54E-01	1.11
0	3.16E-01	3.61
547	7.49E-01	1.03
1	6.93E-01	1.23
41	3.74E-02	0.75
0	4.15E-01	2.27
0	4.25E-01	2.32
0	6.20E-01	1.23
7	9.63E-01	1.01
0	6.50E-01	0.61
0	5.76E-01	0.75
1	4.48E-01	1.37
0	8.32E-01	0.80
0	1.58E-01	3.74
804	4.33E-01	1.08
146	4.20E-01	1.08
806	4.47E-01	1.07
0	9.42E-02	1.87
0	7.55E-01	1.22
0	4.87E-01	1.52
0	1.22E-01	4.30
7	9.42E-01	1.01
42	7.50E-01	1.04
1182	4.31E-01	1.09
0	2.60E-02	0.18
0	2.64E-01	0.31
42	6.87E-01	1.05
0	8.30E-01	0.79
199	2.92E-02	0.81
387	2.43E-02	1.22
1804	7.60E-01	1.08
0	4.99E-01	0.67
0	7.46E-01	1.19

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.85E-01	1.88
103	3.28E-01	1.11
0	2.62E-01	2.57
0	2.87E-01	1.77
0	6.85E-02	5.03
0	4.09E-01	2.42
47	4.19E-01	1.10
0	7.07E-02	6.26
0	9.35E-01	0.94
0	5.64E-01	0.83
0	4.08E-01	0.72
0	7.39E-01	0.89
0	8.30E-01	0.79
0	1.24E-01	0.47
1	6.76E-01	1.15
0	8.62E-01	0.87
3	8.79E-01	0.96
0	2.99E-01	0.65
391	2.58E-01	0.90
1918	6.56E-01	1.56
0	5.81E-01	1.65
0	6.75E-01	1.40
3	7.50E-01	0.90
0	9.36E-01	1.05
0	8.49E-01	0.84
0	2.78E-01	3.09
1593	9.04E-01	0.98
1066	4.24E-01	0.92
0	7.64E-01	1.35
0	4.20E-01	2.32
0	3.08E-01	0.59
5	1.93E-01	0.72
0	5.09E-01	0.41
0	9.32E-01	0.96
77	4.06E-01	0.91
17	3.38E-01	0.87
0	9.47E-01	1.11
0	8.20E-01	0.73
0	8.02E-01	0.69
1	7.94E-03	2.42
14	6.43E-02	0.72
864	2.28E-01	1.13
1	7.14E-01	0.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

14	9.96E-02	0.74
1	1.24E-01	2.22
1	6.50E-01	1.13
46	3.00E-01	1.14
1	2.37E-01	1.42
0	9.59E-01	1.06
14	9.96E-02	0.74
0	5.02E-01	1.59
0	8.70E-01	1.19
1922	1.16E-01	0.09
161	1.50E-01	0.86
106	7.86E-01	1.03
0	8.52E-02	8.09
0	6.19E-01	1.61
0	8.19E-02	3.19
9	8.34E-02	0.70
122	6.46E-01	0.95
167	1.76E-01	0.87
1128	8.69E-01	0.98
0	1.59E-01	1.70
0	2.73E-01	3.28
0	2.29E-01	2.90
1	6.99E-02	0.44
0	7.14E-01	0.73
0	5.26E-01	0.79
170	2.78E-01	0.90
0	9.82E-01	0.99
123	9.68E-01	1.00
0	9.54E-01	0.95
118	9.87E-01	1.00
0	7.95E-01	0.90
0	8.55E-01	1.18
0	3.62E-01	0.33
0	1.50E-01	0.24
0	1.23E-01	0.50
103	5.78E-01	1.06
33	6.18E-02	0.77
0	9.30E-01	1.09
451	9.47E-02	0.86
451	8.69E-02	0.86
451	1.02E-01	0.87
0	6.11E-01	0.63
0	2.72E-01	2.22

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.66E-01	0.67
1667	1.40E-01	0.78
0	9.11E-01	1.14
0	8.55E-01	0.90
0	9.99E-01	1.00
46	4.31E-02	1.28
8	8.09E-02	0.72
1773	7.00E-02	1.59
43	1.42E-01	1.20
0	5.37E-01	0.78
1	6.09E-01	0.84
0	8.93E-02	4.41
0	8.14E-01	0.85
0	5.01E-02	6.22
635	4.53E-01	1.07
52	1.72E-01	1.18
0	7.73E-01	1.17
35	3.56E-01	1.13
0	8.92E-01	0.91
642	5.48E-01	1.05
0	2.54E-01	0.63
102	2.83E-01	0.89
18	2.99E-01	1.16
0	6.45E-01	2.15
0	7.21E-01	0.81
0	4.15E-01	2.47
37	9.13E-01	0.99
99	5.44E-02	1.22
15	9.07E-01	0.98
3	5.68E-02	1.50
0	4.33E-01	1.81
37	4.00E-01	1.11
6	7.29E-02	1.35
1306	3.42E-01	0.90
0	6.18E-01	1.50
6	2.15E-01	0.77
0	9.29E-01	1.05
1	1.11E-01	1.99
0	4.48E-01	1.92
0	1.81E-01	0.16
0	5.68E-01	0.45
0	5.35E-01	0.67
0	1.17E-01	0.54

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.03E-01	1.25
0	2.76E-01	1.36
0	9.70E-01	0.97
1898	5.82E-01	1.32
0	2.06E-01	0.21
24	5.17E-01	0.91
0	5.40E-01	1.23
767	8.90E-01	1.01
0	5.22E-01	2.19
0	9.05E-01	1.11
0	8.15E-01	0.82
0	8.69E-01	1.10
0	4.12E-02	0.10
0	1.93E-01	2.76
0	8.42E-03	2.31
0	2.71E-01	0.60
0	1.36E-01	5.11
0	2.93E-01	1.56
27	3.85E-01	0.88
0	1.16E-01	0.08
1	6.91E-01	0.82
0	3.52E-02	3.76
3	3.77E-01	1.26
0	7.83E-01	0.72
3	3.65E-01	1.27
0	1.90E-01	2.21
0	2.88E-01	0.47
350	5.25E-01	1.06
820	2.44E-01	0.90
701	5.82E-01	0.95
19	2.68E-01	0.84
0	4.75E-01	0.38
508	9.06E-01	1.01
0	6.39E-01	1.38
520	9.95E-01	1.00
1	6.53E-02	0.61
0	2.65E-01	1.99
1922	1.00E+00	0.97
1922	1.00E+00	0.97
4	9.30E-01	0.98
0	6.44E-01	1.60
0	4.97E-01	1.68
91	4.25E-02	1.24

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.99E-02	0.19
1	3.08E-01	1.45
0	7.79E-01	1.26
0	8.70E-01	1.10
1	2.48E-01	1.51
2	1.52E-01	1.56
1921	6.65E-01	0.47
9	4.46E-01	0.87
94	3.79E-02	1.25
37	3.42E-02	0.76
0	1.73E-01	4.68
1	7.97E-01	0.80
38	3.11E-02	0.76
2	6.57E-01	1.10
0	6.62E-01	1.64
0	9.37E-01	1.04
0	2.13E-01	1.90
0	8.51E-01	0.87
0	6.11E-01	0.77
0	8.24E-01	1.42
37	6.79E-01	1.06
0	1.16E-01	0.11
0	3.88E-01	1.96
2	1.01E-01	0.66
0	5.33E-01	0.61
1	3.15E-01	0.62
0	9.63E-01	0.94
0	7.07E-01	1.14
0	4.56E-01	0.62
0	3.44E-01	0.44
0	5.90E-01	0.51
158	2.33E-01	0.89
55	2.61E-01	0.87
0	5.43E-01	0.45
0	5.62E-01	0.49
0	8.26E-01	1.41
0	2.25E-01	2.68
1	2.01E-01	0.31
0	9.28E-01	1.11
0	2.29E-01	1.86
0	6.52E-01	2.10
1	5.39E-01	1.25
0	6.54E-01	1.36

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	9.05E-01	0.90
0	5.16E-01	1.48
0	5.51E-01	1.51
0	2.40E-01	2.02
0	9.12E-02	3.93
0	8.05E-01	0.85
0	6.57E-01	0.71
621	9.60E-01	1.00
0	7.99E-02	4.06
0	1.58E-01	1.79
42	4.02E-01	1.11
0	3.08E-01	0.48
51	6.27E-01	0.94
1	7.54E-01	1.12
0	9.88E-01	1.01
0	4.31E-01	2.19
0	3.18E-01	2.44
1	6.29E-02	1.65
0	5.93E-01	1.73
0	9.11E-01	1.04
0	9.92E-01	1.01
0	3.97E-01	0.63
0	3.70E-01	0.31
0	2.40E-01	0.28
3	7.60E-01	1.08
0	2.26E-01	0.28
0	1.92E-01	2.97
0	5.30E-01	0.48
12	9.08E-01	0.98
0	2.44E-01	2.75
11	5.21E-02	0.71
0	8.84E-01	0.87
0	9.78E-02	2.00
0	7.80E-03	0.34
0	7.34E-01	0.78
0	8.84E-01	0.87
17	1.93E-02	0.68
0	2.47E-01	2.93
0	8.84E-01	0.87
0	7.38E-01	0.85
0	5.63E-01	1.23
1	2.57E-01	1.26
0	2.75E-01	0.28

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1921	7.39E-01	0.56
135	1.09E-02	0.77
0	6.39E-01	0.83
0	8.17E-01	1.35
299	4.40E-03	0.77
0	6.23E-01	1.42
0	9.18E-01	0.91
4	7.76E-01	1.06
0	5.12E-01	1.77
4	8.62E-01	1.04
0	7.38E-01	1.71
0	8.60E-01	1.32
1920	6.86E-01	0.49
0	9.14E-01	1.03
0	3.98E-01	1.74
0	9.25E-01	1.07
0	2.36E-01	3.59
79	1.09E-01	0.83
0	2.85E-01	2.27
0	2.08E-01	0.28
0	6.61E-01	0.80
0	6.26E-01	1.67
0	7.01E-01	1.49
1	5.27E-01	0.77
0	8.81E-01	0.80
0	8.81E-01	0.80
0	8.83E-01	0.81
0	8.83E-01	0.81
0	8.92E-01	0.82
8	1.63E-01	0.76
1014	1.54E-01	1.16
35	8.65E-01	0.98
1	6.04E-01	0.66
0	9.13E-01	1.05
0	4.35E-02	0.21
1698	1.84E-01	1.30
1697	1.60E-01	1.32
0	9.66E-01	1.02
0	7.36E-01	1.73
0	5.20E-01	1.52
0	9.40E-01	1.06
0	4.33E-01	0.32
0	2.31E-01	0.68

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1378	3.94E-01	0.90
0	6.53E-01	1.62
0	7.30E-01	1.12
0	9.40E-01	0.92
3	6.71E-02	0.60
1	5.60E-01	1.34
7	2.72E-01	1.20
1	3.16E-01	0.27
0	2.58E-02	0.45
10	8.98E-01	1.02
26	5.42E-02	0.76
0	7.21E-01	0.68
165	4.20E-01	0.92
0	3.18E-02	10.32
0	6.45E-01	1.62
0	9.30E-01	1.10
0	8.27E-01	1.33
0	3.77E-01	0.45
941	4.94E-01	1.07
5	4.97E-01	1.15
0	6.97E-01	0.88
0	7.28E-01	0.89
0	5.35E-01	1.32
1	1.79E-01	0.63
0	9.79E-01	1.03
0	4.64E-01	1.42
0	8.54E-01	1.15
0	7.77E-02	2.91
0	2.92E-01	0.69
0	8.19E-01	1.10
438	8.96E-01	0.99
1	5.69E-01	1.16
0	2.72E-01	2.30
10	1.26E-01	0.75
0	9.65E-01	1.07
0	7.24E-01	1.46
0	8.94E-01	1.14
0	7.68E-01	1.36
0	9.60E-02	3.33
0	2.91E-01	1.89
0	6.29E-01	1.78
1	3.97E-01	1.29
31	7.98E-01	0.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.96E-01	1.70
1922	1.00E+00	0.97
1	8.56E-01	0.87
0	2.63E-01	2.08
0	2.43E-01	2.34
6	1.85E-01	1.26
0	4.61E-01	0.36
0	2.18E-01	1.70
1071	5.11E-01	1.07
0	6.13E-01	0.49
6	2.08E-01	1.26
1922	1.00E+00	0.97
58	9.54E-01	0.99
0	3.56E-01	0.50
148	1.38E-01	0.85
0	3.41E-01	2.38
0	6.23E-01	1.31
0	9.35E-01	0.92
0	8.93E-01	1.14
80	3.40E-01	0.90
0	4.06E-01	0.34
829	9.13E-01	1.01
0	7.34E-01	1.29
0	8.85E-01	1.25
1	7.60E-01	0.75
0	3.47E-01	0.64
1	6.51E-01	0.85
0	5.16E-01	2.16
1	3.19E-01	1.70
0	8.75E-01	0.84
0	5.13E-02	6.66
0	3.36E-01	2.62
183	2.58E-01	1.12
0	1.50E-01	2.33
0	2.36E-01	1.92
123	9.70E-01	1.00
0	1.41E-01	1.95
13	1.26E-01	0.77
1	7.48E-01	0.89
0	1.89E-01	0.50
0	2.27E-01	0.34
0	4.52E-01	1.72
0	3.85E-01	1.81

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.56E-01	0.66
0	5.27E-01	1.85
1	3.42E-01	1.36
0	1.99E-01	0.30
0	9.15E-01	1.05
31	8.05E-01	0.97
993	9.08E-01	1.01
1465	2.45E-01	1.17
0	4.12E-01	0.48
0	8.19E-01	0.84
984	8.25E-01	1.02
0	5.40E-01	1.60
913	6.55E-01	0.96
0	3.89E-02	3.76
2	9.33E-01	1.02
0	8.59E-01	1.19
0	6.07E-01	0.82
0	9.43E-01	1.09
0	3.66E-01	2.14
0	7.86E-01	0.75
0	8.17E-01	1.16
2	2.93E-01	0.78
1	5.63E-01	1.22
2	9.24E-01	0.97
3	8.29E-01	1.06
0	2.53E-01	2.45
588	7.53E-01	1.03
4	7.30E-01	0.94
0	3.91E-01	0.72
0	6.33E-01	0.60
2	5.88E-01	0.82
0	4.15E-01	1.84
0	3.66E-01	1.67
0	9.70E-01	0.94
0	5.98E-01	0.72
6	5.94E-01	0.89
696	9.68E-01	1.00
0	9.05E-02	0.16
0	1.51E-01	5.11
1916	8.96E-01	1.14
0	3.33E-01	2.47
623	4.71E-02	1.20
625	5.37E-02	1.19

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.71E-01	1.36
0	5.81E-01	1.49
0	7.72E-01	1.56
14	2.11E-01	0.82
0	2.66E-01	0.54
0	4.06E-01	1.83
0	9.22E-02	9.23
0	3.57E-01	1.72
0	8.42E-01	1.14
0	1.49E-01	0.46
0	8.40E-01	1.11
0	7.12E-01	1.22
0	9.20E-01	1.07
33	2.21E-01	1.17
0	9.56E-01	0.97
0	4.77E-01	2.31
33	1.50E-01	0.82
0	3.96E-01	1.44
53	1.78E-01	0.84
0	8.22E-01	1.12
1	8.34E-01	1.07
0	8.05E-02	5.98
0	8.42E-01	1.24
0	6.78E-01	0.75
0	4.31E-01	2.33
1	8.34E-01	1.07
695	9.82E-02	0.86
0	8.17E-01	0.86
0	3.16E-01	1.83
0	1.40E-03	19.15
0	2.92E-01	3.07
0	3.63E-01	2.26
17	6.87E-01	1.06
3	1.21E-01	1.41
0	7.70E-01	1.61
0	9.11E-01	1.07
0	8.39E-01	1.22
1	6.05E-01	1.13
0	1.70E-01	3.47
0	6.43E-01	1.28
0	3.63E-01	2.16
0	9.79E-01	0.97
0	5.44E-01	0.58

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

221	7.08E-01	0.96
0	7.41E-01	1.28
225	5.10E-01	0.94
0	6.08E-01	1.35
0	8.52E-01	0.89
14	6.43E-01	1.08
0	7.92E-01	1.30
0	4.92E-01	0.55
0	4.19E-01	1.75
0	1.22E-01	0.17
0	9.28E-01	1.04
0	5.79E-01	0.47
0	3.08E-01	0.58
0	7.17E-01	0.65
0	9.07E-02	2.70
0	8.98E-01	1.05
89	7.07E-01	0.96
0	8.47E-01	1.22
0	5.51E-01	1.51
1748	8.38E-02	1.48
1	3.98E-01	0.56
0	9.66E-01	0.98
0	9.71E-01	1.04
0	8.21E-01	0.78
0	8.45E-01	1.26
0	4.84E-01	1.73
4	1.72E-01	0.72
0	6.21E-02	0.22
0	9.32E-01	1.06
1	1.12E-01	1.89
3	1.23E-01	1.48
1	6.02E-01	0.81
0	8.46E-01	0.74
0	5.33E-01	1.53
0	4.64E-01	0.36
0	7.19E-01	1.23
16	9.50E-01	1.01
0	1.93E-01	1.91
0	7.32E-01	0.71
373	7.74E-01	1.03
0	8.34E-01	0.82
0	8.47E-01	0.82
0	1.26E-01	3.61

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.94E-01	0.69
0	8.24E-01	1.42
0	6.75E-01	1.66
0	8.98E-01	1.16
207	1.35E-01	1.15
0	9.74E-01	0.97
0	5.10E-01	2.26
1	3.47E-02	0.49
45	5.12E-02	0.78
1	7.29E-01	0.89
55	1.21E-01	0.83
0	6.04E-02	0.20
1	8.89E-01	0.95
0	6.09E-01	1.63
0	2.97E-01	0.39
0	4.77E-01	0.74
1344	4.13E-01	0.91
0	4.13E-01	1.68
240	1.10E-01	1.16
0	8.16E-01	0.85
1	1.13E-01	0.48
3	5.16E-01	1.16
0	2.85E-01	1.79
0	3.11E-01	0.36
0	4.66E-01	1.28
0	9.51E-01	0.97
0	2.33E-01	2.20
0	1.55E-01	0.49
0	9.66E-01	0.98
0	9.51E-01	0.92
0	6.61E-01	0.52
3	5.16E-01	1.16
0	9.50E-01	0.93
0	1.83E-01	2.00
1055	3.91E-01	0.92
0	8.73E-01	1.26
1449	1.54E-01	0.83
1060	5.18E-01	0.93
1449	1.94E-01	0.84
26	6.99E-01	0.95
1	3.42E-02	0.52
0	9.70E-01	1.06
0	4.57E-01	0.36

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

301	1.10E-01	1.16
0	2.86E-01	0.43
0	9.88E-01	1.00
0	3.99E-02	0.22
0	4.96E-02	0.05
0	8.47E-01	0.75
0	9.89E-01	0.99
4	8.29E-01	0.95
0	3.79E-02	0.21
0	4.16E-01	1.53
0	6.95E-01	0.68
1	7.61E-01	0.94
0	7.97E-01	1.47
0	6.52E-01	0.52
0	9.16E-01	1.11
0	6.56E-01	0.51
122	2.75E-01	0.89
0	2.24E-01	3.94
0	2.24E-01	3.94
0	5.02E-01	0.59
20	1.82E-01	0.81
0	3.52E-01	0.36
581	3.23E-01	1.09
0	8.05E-01	1.36
0	1.47E-01	4.47
0	8.33E-01	0.74
0	8.92E-01	0.88
287	6.47E-01	0.96
1	7.22E-01	0.86
539	5.30E-01	1.06
0	6.11E-01	0.71
0	4.12E-01	2.48
0	2.85E-01	2.54
539	4.47E-01	1.07
0	8.69E-01	0.93
0	9.50E-01	0.96
1	8.49E-01	0.94
22	3.59E-02	0.74
0	7.92E-02	0.24
0	1.58E-01	2.99
0	6.57E-01	1.55
115	4.26E-01	1.09
5	1.86E-01	1.32

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.13E-01	0.71
0	8.13E-01	0.71
0	9.55E-01	1.04
0	4.51E-01	1.87
0	2.09E-01	0.35
0	1.59E-01	4.60
0	9.53E-01	1.05
0	2.41E-01	0.46
0	4.20E-01	0.56
0	8.13E-01	0.78
0	1.34E-01	3.25
0	1.56E-01	2.82
0	2.35E-01	2.72
707	6.31E-01	1.04
179	2.83E-01	0.90
0	5.75E-01	0.79
1	9.50E-01	1.02
82	1.38E-01	1.18
0	3.22E-01	0.51
2	4.24E-01	1.32
0	9.08E-01	1.16
0	4.37E-01	1.66
0	4.01E-01	0.74
188	5.31E-01	0.94
26	2.15E-01	0.84
0	4.77E-01	1.26
26	3.06E-01	0.86
1	4.70E-03	0.35
0	9.64E-01	1.03
0	1.54E-01	2.43
0	3.35E-01	2.48
344	8.36E-01	0.98
0	4.25E-01	0.47
0	7.08E-01	0.65
0	9.22E-01	0.92
267	6.53E-01	0.96
114	3.21E-01	0.90
0	4.24E-01	0.33
0	5.23E-01	1.44
0	3.00E-01	2.00
1	5.25E-01	1.21
0	5.85E-01	0.54
0	3.72E-01	0.43

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

19	5.62E-02	0.72
0	3.28E-01	1.71
1	6.67E-01	1.15
9	1.82E-01	1.26
0	9.29E-01	1.07
0	2.33E-01	0.25
0	9.20E-01	1.10
0	7.91E-01	0.76
16	2.26E-01	0.83
0	6.12E-01	0.72
0	1.54E-01	1.62
0	1.03E-01	1.70
0	1.07E-01	1.85
126	2.68E-01	0.89
20	1.22E-01	1.24
20	1.63E-01	1.22
0	8.18E-01	1.32
0	9.41E-01	1.09
11	6.34E-01	1.08
0	5.98E-01	0.81
0	5.79E-01	0.61
27	9.24E-01	0.99
0	6.42E-01	0.79
0	6.03E-01	0.75
0	4.04E-01	1.98
0	3.93E-01	0.43
1	4.32E-01	0.68
0	4.34E-01	2.32
1307	1.69E-01	0.85
0	5.16E-01	0.71
0	8.71E-01	1.16
0	4.92E-02	2.22
0	7.38E-01	0.67
0	6.45E-01	0.63
23	3.56E-01	0.88
0	5.00E-01	0.50
0	2.30E-01	4.94
0	4.40E-01	1.48
0	8.28E-01	1.28
0	6.41E-01	0.68
0	8.59E-01	1.20
82	3.21E-01	1.12
0	5.80E-01	0.56

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.89E-01	1.17
0	2.27E-01	2.12
0	3.68E-01	2.07
0	1.54E-01	4.85
0	5.86E-01	0.66
490	2.85E-01	0.91
0	8.72E-02	5.55
0	3.37E-01	0.41
0	1.29E-02	7.15
0	1.96E-01	4.15
0	7.37E-01	1.31
12	2.42E-01	1.21
1	7.69E-01	0.89
896	8.48E-01	0.98
0	6.03E-01	0.46
0	8.72E-01	0.78
2	3.88E-01	1.28
0	9.31E-02	6.24
26	1.22E-01	1.23
0	1.30E-01	3.54
139	1.46E-01	1.16
29	2.41E-01	1.17
3	9.00E-01	1.03
0	8.43E-02	2.05
0	7.17E-01	1.87
312	3.84E-01	0.92
0	5.66E-01	1.98
0	1.54E-01	0.29
996	4.42E-01	1.08
0	4.40E-01	2.19
1919	9.63E-01	0.93
0	3.90E-01	3.14
26	9.17E-01	0.98
13	2.75E-01	1.21
13	2.36E-01	1.23
0	2.00E-01	2.32
299	3.37E-01	0.92
27	7.36E-02	1.30
2	1.41E-01	0.43
0	3.04E-01	2.10
0	8.97E-01	0.83
1922	1.00E+00	0.97
0	2.20E-01	2.75

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.37E-01	2.99
2	8.54E-01	1.07
0	9.40E-01	0.94
8	2.18E-01	0.81
8	3.01E-01	0.84
2	8.76E-01	0.95
0	5.30E-01	2.26
0	4.35E-01	2.55
0	1.72E-01	3.45
0	6.53E-02	0.06
0	8.81E-01	1.26
0	8.49E-01	0.76
0	2.67E-01	0.18
0	8.62E-01	1.17
1	2.22E-01	3.00
0	6.13E-02	0.41
0	6.71E-01	0.74
0	6.90E-01	0.69
0	8.56E-01	1.12
0	7.56E-02	2.12
0	8.58E-01	0.84
4	8.15E-01	0.95
0	6.39E-01	0.78
0	7.24E-01	1.53
1	8.85E-01	1.04
1047	9.93E-01	1.00
0	7.93E-01	1.52
33	5.91E-01	0.93
0	5.44E-01	0.44
0	3.68E-01	1.93
0	3.96E-01	0.63
0	2.14E-01	3.25
75	6.53E-01	1.05
3	7.12E-01	0.92
0	3.68E-01	2.70
0	9.45E-01	1.05
0	6.06E-01	2.38
0	8.62E-01	1.17
0	2.00E-01	4.65
381	6.14E-01	1.05
0	2.22E-01	0.22
0	7.12E-01	1.30
0	1.43E-01	0.36

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

466	9.69E-01	1.00
0	3.87E-01	0.54
0	1.11E-01	4.09
0	7.59E-01	0.62
15	9.02E-01	1.02
418	7.80E-01	0.98
0	6.59E-01	1.43
10	2.09E-01	0.80
0	9.41E-03	3.65
349	1.56E-01	1.13
0	3.91E-01	0.55
516	5.83E-01	1.05
0	7.59E-01	0.62
22	9.35E-02	0.78
1	6.87E-01	0.80
0	6.18E-01	1.73
0	6.70E-01	0.55
184	7.60E-01	0.97
0	6.16E-01	1.49
0	4.19E-01	1.41
2	7.92E-02	0.67
3	5.71E-01	1.19
0	4.91E-01	1.98
2	5.52E-01	0.81
1789	8.87E-03	2.10
46	6.76E-01	0.95
0	8.76E-01	0.90
7	1.39E-01	0.74
1909	3.88E-01	1.88
3	7.39E-01	1.10
0	9.28E-01	1.13
0	4.15E-01	0.34
0	2.00E-01	4.09
0	4.32E-01	1.46
3	5.96E-01	1.17
2	9.32E-01	1.03
2	9.32E-01	1.03
568	6.53E-02	0.85
2	9.68E-01	1.01
0	9.74E-01	0.95
0	1.81E-01	3.93
0	6.31E-01	1.58
0	1.30E-01	2.06

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.84E-01	1.79
2	6.45E-01	1.11
74	4.80E-01	1.09
0	2.49E-01	3.42
0	1.64E-01	5.00
1067	9.82E-01	1.00
975	8.85E-01	0.99
0	5.52E-01	1.67
0	9.06E-01	1.06
138	9.90E-01	1.00
0	2.19E-01	0.22
0	6.49E-01	1.28
0	1.99E-01	2.02
119	2.07E-01	1.13
0	8.60E-01	1.22
0	7.51E-01	1.42
30	4.14E-01	1.11
9	7.90E-01	1.04
0	4.76E-01	0.49
0	5.65E-01	0.70
0	6.03E-01	0.80
12	3.16E-01	0.84
0	5.11E-02	5.29
0	2.25E-01	2.98
0	7.56E-01	0.90
1	3.46E-01	1.82
0	7.33E-01	1.40
0	9.22E-01	0.96
0	4.28E-02	0.20
215	6.23E-01	1.05
0	8.47E-01	0.84
1177	4.62E-01	0.92
531	4.82E-01	0.94
0	4.23E-01	0.33
55	9.26E-02	0.82
0	4.19E-01	1.49
868	4.29E-01	0.93
0	2.73E-01	1.66
0	2.70E-01	0.64
0	6.09E-01	1.43
8	9.02E-01	0.98
1	6.90E-01	0.81
250	4.14E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

93	9.72E-01	1.00
0	8.95E-01	1.15
0	4.65E-01	1.61
85	3.46E-01	0.90
470	2.45E-01	0.90
497	1.08E-01	0.86
22	6.24E-02	1.30
1	7.13E-01	1.09
374	1.84E-01	0.89
2	6.16E-01	1.14
0	6.49E-01	0.52
0	5.52E-01	0.58
3	4.23E-01	1.24
0	6.04E-02	1.87
0	4.60E-01	0.58
3	2.25E-01	1.33
0	2.96E-01	3.33
0	1.84E-01	0.58
0	5.80E-01	1.27
122	3.09E-01	0.90
0	8.21E-01	1.11
240	6.80E-01	1.04
2	7.69E-01	0.93
1330	9.34E-01	0.99
0	9.21E-01	1.05
0	9.33E-01	1.08
0	3.23E-01	0.66
0	5.52E-02	2.01
61	3.11E-01	1.13
59	6.92E-01	0.95
4	4.90E-01	0.86
0	3.95E-01	0.40
0	1.94E-01	2.00
0	3.18E-02	0.10
0	5.32E-01	0.64
0	6.15E-01	1.45
0	9.12E-01	1.12
0	1.65E-01	2.49
0	9.48E-01	0.95
0	8.64E-01	1.29
0	4.70E-01	2.06
0	2.00E-01	3.76
125	1.31E-01	0.85

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

125	1.31E-01	0.85
1	8.07E-01	1.21
0	5.32E-02	5.32
0	8.01E-01	0.90
0	8.01E-01	0.90
0	5.19E-01	2.06
0	7.72E-01	1.60
269	3.62E-01	0.92
0	6.06E-01	2.38
728	1.02E-01	0.86
3	8.57E-01	1.04
0	5.38E-01	0.59
317	8.53E-01	1.02
428	5.25E-01	1.06
0	5.85E-01	1.55
1	4.21E-01	1.33
0	5.02E-02	6.66
1060	5.46E-01	0.94
417	5.11E-01	0.94
0	8.14E-01	1.41
764	6.33E-01	1.04
0	2.24E-01	1.86
0	9.26E-03	5.30
0	4.81E-01	0.39
0	9.30E-01	0.94
379	5.76E-01	0.95
0	7.40E-01	0.81
0	8.07E-02	5.07
0	9.70E-02	4.32
25	1.43E-02	1.42
341	1.10E-01	0.86
0	2.59E-02	5.68
0	9.79E-01	1.04
0	8.85E-02	3.03
387	1.07E-01	1.15
3	4.71E-02	0.60
0	2.12E-01	3.34
0	7.22E-01	1.49
154	4.54E-02	1.21
1291	8.40E-01	1.02
299	3.14E-02	0.82
0	1.95E-01	0.17
154	4.51E-02	1.21

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.58E-01	2.11
105	3.04E-01	0.89
129	6.04E-01	0.95
0	3.27E-01	0.39
1	1.73E-01	2.11
0	7.40E-01	1.30
0	6.46E-01	0.53
0	5.88E-01	0.46
0	5.95E-01	0.46
1448	4.73E-03	0.70
0	6.30E-02	0.08
0	8.58E-01	1.27
1	1.66E-01	1.48
0	5.68E-01	0.47
0	1.54E-01	0.28
0	4.53E-02	4.80
884	4.47E-01	0.93
1	6.65E-01	0.76
3	3.54E-01	1.23
0	9.11E-01	1.19
0	6.50E-01	0.82
0	5.55E-01	2.53
0	8.62E-01	1.07
0	4.25E-01	0.60
1	6.73E-01	0.78
1	7.34E-01	0.81
0	6.11E-01	1.37
0	8.55E-01	0.80
0	8.30E-01	0.78
0	8.83E-01	0.83
0	9.49E-01	0.98
0	2.47E-01	2.98
59	3.79E-01	1.11
0	8.94E-01	1.21
42	1.20E-02	1.38
0	6.88E-01	0.70
0	4.42E-01	1.82
1	8.59E-02	3.25
380	4.08E-02	0.83
33	5.09E-01	0.92
1336	6.69E-01	1.05
646	8.44E-01	1.02
1343	6.99E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.95E-01	0.84
1	3.96E-01	1.35
1698	7.61E-01	1.06
0	5.18E-02	3.70
0	3.59E-01	1.83
0	7.04E-01	1.48
0	5.85E-01	0.59
40	4.06E-01	1.11
0	6.44E-01	1.46
1332	7.43E-01	1.04
1	8.09E-01	0.93
0	8.01E-01	1.35
0	5.34E-01	0.45
0	1.48E-01	5.18
1332	7.07E-01	1.04
1330	6.54E-01	1.05
1333	7.67E-01	1.03
1	4.50E-01	0.77
24	8.16E-01	0.97
1270	8.98E-01	0.99
759	6.46E-01	0.96
0	4.75E-01	1.68
0	8.59E-01	0.77
0	4.08E-01	0.32
0	6.42E-01	0.66
0	5.17E-01	1.65
0	4.98E-01	1.66
431	1.85E-01	1.13
0	3.98E-01	0.30
0	1.69E-01	4.67
0	8.99E-01	1.13
1	1.70E-01	0.40
24	7.55E-01	1.05
0	5.53E-01	0.77
0	3.84E-01	1.98
0	7.77E-01	0.83
743	3.21E-02	0.82
0	6.58E-01	1.55
0	8.34E-01	1.18
0	3.41E-01	2.84
0	9.42E-01	1.07
0	9.83E-01	0.97
0	8.85E-01	1.15

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

37	9.08E-01	1.02
0	8.57E-02	2.99
1	4.68E-01	1.27
0	1.95E-01	0.21
38	8.84E-01	1.02
648	8.46E-01	1.02
1037	6.40E-01	1.05
0	7.34E-01	1.28
0	8.37E-01	0.85
1	9.71E-02	0.58
0	2.39E-01	0.17
0	9.96E-01	1.00
0	4.32E-01	1.81
0	2.31E-01	0.26
8	1.45E-01	1.30
1	8.46E-01	0.94
0	4.70E-01	0.38
1	4.09E-01	1.36
42	3.02E-01	0.88
4	3.92E-01	0.83
0	9.90E-01	0.99
0	6.98E-01	1.88
0	3.72E-01	0.58
2	7.35E-01	0.90
0	5.98E-01	1.75
0	7.26E-01	1.30
0	1.93E-02	8.75
0	6.08E-01	1.48
0	3.72E-01	0.58
9	2.98E-02	1.42
2	9.94E-01	1.00
1372	5.58E-01	0.93
0	4.83E-01	2.23
0	8.11E-02	0.08
4	7.98E-01	1.05
0	6.46E-01	1.67
39	4.43E-01	1.10
0	6.15E-01	1.46
0	3.15E-01	1.41
14	9.81E-01	1.00
1	4.37E-02	1.84
67	5.00E-01	0.93
0	9.81E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.03E-01	1.84
1	7.71E-01	0.89
0	4.19E-01	0.55
0	4.14E-01	0.56
11	4.74E-01	0.88
0	5.38E-01	1.36
0	1.19E-01	2.06
0	1.26E-01	0.28
18	1.01E-01	1.24
18	1.31E-01	1.23
27	2.82E-01	1.15
0	5.76E-01	1.22
0	9.23E-01	0.95
0	2.33E-01	0.24
1922	1.00E+00	0.97
0	4.45E-01	1.38
0	5.75E-01	1.28
1	4.37E-01	0.73
0	9.05E-01	1.13
38	9.99E-01	1.00
1	2.40E-01	0.76
0	7.75E-01	1.36
0	1.51E-01	4.96
0	4.75E-01	2.15
0	8.19E-01	1.09
0	8.63E-01	1.31
0	9.58E-01	1.06
0	2.67E-01	2.74
0	7.32E-01	1.28
26	7.15E-01	1.05
0	5.69E-01	1.48
0	1.48E-01	3.30
1	1.18E-01	1.57
0	2.07E-01	2.14
0	9.21E-01	1.07
0	9.27E-01	1.07
0	7.07E-01	1.25
0	9.95E-01	1.01
0	4.95E-01	1.84
778	4.47E-01	1.07
1	3.55E-01	1.57
0	7.32E-02	1.63
0	7.32E-01	0.76

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

45	4.57E-01	0.91
46	4.80E-01	0.91
0	3.21E-01	2.80
1	9.62E-01	0.99
7	5.51E-02	1.38
0	8.32E-01	1.08
0	3.24E-01	0.54
854	8.48E-01	0.98
1	5.05E-02	1.92
1919	6.13E-01	0.58
27	9.22E-01	0.99
586	2.84E-01	0.91
0	6.17E-01	1.67
0	1.28E-01	0.43
3	4.21E-01	0.83
0	4.52E-01	1.98
0	7.55E-01	0.65
0	9.35E-01	1.11
0	1.83E-01	3.11
1	5.04E-01	0.77
0	7.39E-03	4.28
0	5.27E-01	1.93
58	4.49E-02	1.26
0	2.26E-01	1.48
0	2.26E-01	1.48
0	2.26E-01	1.48
0	2.05E-01	1.51
0	1.44E-01	1.61
0	9.62E-01	1.08
101	3.91E-01	0.91
101	4.22E-01	0.92
101	4.90E-01	0.93
0	4.05E-02	2.97
0	3.93E-01	1.49
11	2.50E-01	1.22
0	5.23E-01	1.54
0	5.77E-02	3.71
0	2.90E-01	2.91
0	2.50E-03	6.68
0	5.32E-01	0.41
5	2.31E-01	0.74
22	4.06E-02	0.74
3	7.48E-01	0.88

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

20	3.28E-02	0.73
0	6.28E-01	0.82
21	2.41E-02	0.72
35	3.17E-01	1.14
4	5.98E-03	0.55
0	3.70E-01	1.90
0	6.20E-01	0.66
0	2.14E-01	0.21
28	2.54E-01	0.85
0	8.64E-01	0.86
0	3.45E-01	3.16
30	2.38E-01	1.18
0	4.96E-01	1.89
0	7.73E-01	1.35
4	9.30E-01	0.98
335	2.52E-03	1.31
2	7.47E-01	0.91
0	2.98E-01	0.48
0	5.01E-01	0.38
0	8.93E-01	1.14
0	6.77E-01	0.80
0	2.18E-01	3.13
0	4.46E-01	0.55
61	7.00E-01	1.05
0	9.66E-02	0.23
58	6.57E-01	0.95
0	8.16E-01	1.71
0	4.56E-01	1.67
0	8.83E-01	1.08
333	4.76E-01	0.94
0	6.23E-01	1.31
0	3.94E-01	1.91
0	1.06E-01	0.22
351	6.82E-01	0.96
0	8.23E-02	3.74
242	6.21E-01	0.95
4	1.56E-01	0.65
269	7.37E-01	0.97
41	1.40E-01	1.21
0	1.28E-01	5.00
0	4.20E-01	0.31
668	7.00E-01	1.04
0	6.66E-01	0.68

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	7.56E-02	0.38
0	5.20E-01	0.57
10	2.78E-01	0.81
10	2.63E-01	0.81
0	5.79E-01	0.55
5	9.62E-01	0.99
0	1.89E-01	0.42
29	3.50E-01	0.88
386	6.09E-01	0.96
0	5.93E-01	0.49
0	9.21E-01	1.11
6	4.19E-01	1.15
6	4.19E-01	1.15
190	8.47E-01	0.98
0	6.18E-01	1.33
7	9.85E-01	1.00
0	8.59E-02	3.00
0	4.57E-01	1.48
4	4.42E-01	1.21
0	2.16E-01	0.28
0	7.37E-01	1.38
0	7.37E-01	1.38
0	7.37E-01	1.38
0	4.72E-01	0.39
0	5.41E-02	5.36
2	5.76E-01	1.24
39	4.38E-01	1.10
904	9.39E-01	0.99
8	5.24E-01	0.89
0	9.24E-01	0.96
18	1.84E-02	1.39
0	2.68E-01	2.40
78	2.65E-01	0.88
0	8.44E-01	0.79
0	1.20E-01	4.75
4	5.96E-01	1.13
0	8.57E-01	1.33
2	7.89E-01	1.09
0	3.66E-01	1.87
0	5.64E-01	1.90
1	2.52E-02	1.85
4	5.11E-01	1.15
21	3.20E-01	1.15

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

5	7.43E-02	1.51
0	7.10E-02	6.25
0	9.16E-01	1.11
990	2.29E-01	0.89
0	9.77E-01	0.97
0	6.98E-01	0.61
2	6.48E-01	0.87
9	4.23E-02	1.43
0	3.39E-01	0.53
155	6.63E-01	0.96
0	3.36E-01	2.17
0	6.60E-01	1.50
4	4.29E-01	1.24
6	1.02E-02	1.61
0	3.01E-01	0.28
0	4.55E-01	1.54
5	5.50E-01	1.13
5	4.30E-01	1.17
2	4.23E-01	0.83
18	3.93E-02	1.33
0	9.36E-01	1.06
135	8.51E-01	0.98
0	7.06E-01	1.54
0	9.18E-01	1.08
0	9.33E-01	1.07
0	4.41E-01	0.50
0	5.52E-01	0.75
84	4.59E-01	0.92
13	7.63E-01	1.05
1	3.82E-01	0.64
0	1.08E-01	0.37
0	7.99E-01	1.13
0	3.52E-01	2.04
1226	6.25E-01	1.06
0	6.58E-01	0.67
12	1.63E-01	1.23
0	3.61E-01	0.55
0	8.17E-01	0.75
0	9.57E-02	4.21
1185	7.60E-01	1.03
0	8.39E-01	0.85
0	4.19E-01	0.33
232	4.94E-01	1.07

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.05E-02	3.53
1	5.84E-01	1.18
0	2.92E-01	2.05
0	8.59E-01	1.16
1019	8.72E-01	0.98
5	4.93E-01	1.15
0	6.77E-01	2.00
0	6.58E-01	1.41
574	5.95E-01	1.05
0	2.68E-01	0.57
1	4.44E-01	0.71
0	3.59E-01	2.61
433	3.31E-01	0.92
480	4.75E-01	1.07
0	9.95E-01	1.00
0	7.60E-01	1.18
437	5.11E-01	0.94
495	4.57E-01	0.93
28	1.20E-01	0.79
0	3.72E-01	0.25
0	4.88E-01	0.65
0	4.55E-01	1.88
6	9.51E-01	1.01
1	4.64E-01	0.51
0	6.65E-01	1.50
0	8.31E-01	1.18
0	7.80E-01	0.82
0	4.98E-01	0.42
0	2.63E-01	2.68
3	4.29E-01	0.84
41	3.09E-01	0.87
0	8.14E-01	0.71
0	6.15E-01	0.68
0	7.97E-01	1.21
0	1.47E-01	2.83
3	1.25E-01	1.52
71	7.88E-01	1.03
33	1.25E-02	0.70
7	1.94E-01	1.30
1	5.72E-01	1.23
0	6.37E-02	4.04
0	3.69E-01	0.31
1	7.47E-01	0.88

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1680	4.03E-02	1.51
0	4.11E-01	2.23
171	4.83E-01	0.93
53	2.01E-01	0.85
0	1.85E-01	4.27
0	8.42E-01	1.17
0	8.11E-01	0.70
0	5.61E-01	1.65
3	9.04E-01	1.03
0	1.24E-01	4.93
19	3.81E-02	1.36
0	8.62E-01	0.90
0	4.98E-01	0.78
0	4.01E-01	0.73
0	8.24E-01	1.26
0	1.61E-01	0.11
1	2.30E-01	1.52
4	1.94E-01	1.36
1	7.95E-01	0.90
0	1.74E-01	0.25
0	2.75E-01	0.19
1	9.87E-01	0.99
1	8.40E-01	0.92
0	3.70E-01	1.60
0	9.59E-01	0.94
0	2.57E-01	2.69
0	5.77E-01	3.11
1	9.36E-01	1.02
0	7.82E-01	1.10
23	6.26E-01	0.93
66	1.25E-02	1.32
0	5.66E-01	0.43
0	4.40E-01	0.45
0	8.44E-01	1.11
0	8.59E-01	0.88
0	4.21E-02	0.06
0	9.30E-01	0.88
0	6.30E-01	0.80
0	7.13E-01	0.77
0	3.01E-02	0.06
0	6.64E-01	1.19
0	2.97E-02	4.61
506	6.09E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.32E-01	2.31
55	3.34E-01	0.89
106	7.75E-01	0.97
0	6.25E-01	0.87
0	7.98E-01	1.11
552	9.42E-01	0.99
154	3.66E-01	1.09
0	5.40E-02	0.24
961	3.52E-01	1.10
0	7.28E-01	0.70
0	5.08E-01	1.19
0	8.92E-01	1.24
0	7.70E-01	0.66
0	5.66E-01	1.64
0	9.32E-01	1.14
21	4.57E-01	1.11
1	6.11E-01	1.16
0	4.95E-01	1.94
0	2.50E-02	0.07
6	3.05E-01	1.22
1	7.18E-01	1.33
0	6.10E-01	1.43
0	8.12E-01	1.15
0	3.88E-02	7.06
0	9.61E-01	1.02
1	4.76E-03	0.31
0	6.46E-01	0.74
0	7.71E-01	0.73
0	2.13E-01	0.44
0	8.88E-01	0.90
1	5.37E-01	0.77
47	4.89E-01	0.92
0	1.55E-01	1.53
0	7.78E-01	0.76
1	9.37E-01	1.08
0	7.13E-01	0.66
1267	5.53E-01	1.07
0	4.63E-01	0.43
46	5.53E-01	0.93
0	8.24E-01	1.43
3	4.25E-01	0.81
0	5.94E-01	0.54
13	7.57E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.11E-02	0.37
0	2.93E-01	1.56
0	4.94E-01	0.38
0	9.09E-01	1.20
26	4.81E-01	1.10
1	7.00E-01	0.90
0	4.60E-01	0.36
0	1.30E-01	2.87
0	4.90E-01	0.49
0	6.35E-01	0.74
48	6.73E-03	0.70
0	8.31E-01	0.81
0	1.23E-01	4.17
0	2.31E-01	0.32
0	1.57E-01	0.12
0	2.00E-01	2.40
0	1.63E-01	4.01
37	7.48E-01	1.04
0	6.65E-01	0.53
0	1.35E-01	0.33
0	2.04E-01	5.01
1920	6.25E-02	17.94
0	4.74E-01	2.01
0	2.37E-01	3.45
681	8.63E-01	0.98
1	4.10E-01	1.58
0	6.30E-01	0.61
8	5.20E-01	1.12
33	6.44E-01	0.94
0	2.41E-01	3.39
0	6.89E-01	0.65
11	5.13E-01	1.13
3	1.32E-01	0.61
0	9.99E-01	1.00
0	4.59E-01	2.02
0	4.33E-01	2.39
0	1.83E-01	0.40
0	1.76E-01	2.40
0	1.92E-01	1.93
0	5.07E-02	0.21
66	9.61E-01	0.99
0	2.13E-01	4.24
0	3.69E-01	2.40

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

239	3.42E-01	0.91
0	6.97E-01	1.53
60	5.65E-01	0.94
4	4.39E-01	1.17
0	2.11E-01	3.86
0	4.26E-01	0.29
0	8.91E-01	0.95
0	8.95E-01	0.83
0	9.76E-01	0.97
1547	9.12E-01	1.02
0	1.10E-01	0.26
0	3.32E-01	0.29
86	9.26E-01	1.01
0	5.33E-01	0.66
0	4.68E-01	0.36
0	1.91E-01	2.22
1351	5.47E-01	1.08
0	4.50E-01	1.85
0	2.50E-02	4.25
0	2.62E-01	0.24
0	6.63E-01	1.49
0	9.18E-01	0.87
0	2.54E-01	1.82
1865	5.04E-01	1.35
0	4.25E-01	2.39
0	3.64E-02	0.16
1	6.39E-01	0.70
1	5.39E-01	1.22
0	5.26E-01	0.54
1	6.10E-01	1.32
0	5.98E-01	0.80
1606	8.70E-01	1.03
110	6.29E-01	1.05
1	9.13E-01	0.97
4	9.76E-01	0.99
139	2.91E-01	1.11
1	2.52E-01	1.30
0	2.29E-01	0.18
0	2.88E-01	2.18
137	5.61E-01	1.06
0	3.84E-01	2.49
0	5.86E-01	0.65
0	9.99E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.84E-01	2.77
124	5.65E-01	0.94
0	5.48E-01	2.03
0	6.93E-01	1.52
1	6.76E-01	1.15
634	7.63E-01	0.97
0	9.07E-01	1.20
615	8.77E-01	1.01
326	6.15E-01	0.95
3	2.03E-01	0.71
30	3.67E-01	1.13
16	8.88E-01	0.98
67	1.79E-01	1.17
0	5.81E-01	1.70
0	4.17E-01	2.09
3	8.75E-01	0.96
0	7.83E-01	0.71
2	1.06E-01	1.46
0	3.02E-01	1.65
0	5.39E-01	0.84
230	7.05E-02	1.19
0	4.69E-01	1.72
0	4.12E-01	0.35
0	4.38E-01	1.63
4	6.28E-01	0.89
127	8.34E-01	0.98
0	7.73E-02	0.36
0	6.77E-02	0.38
0	2.60E-01	3.10
0	5.12E-01	1.84
0	7.48E-01	0.78
664	7.74E-01	1.03
0	2.05E-01	4.08
0	5.12E-01	1.84
128	3.15E-01	1.11
61	9.87E-01	1.00
0	3.67E-01	1.72
5	6.42E-01	1.10
133	1.50E-01	1.16
1082	7.01E-01	0.96
1	5.41E-01	1.26
0	6.39E-01	0.51
8	8.12E-02	0.66

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.85E-01	1.30
0	7.35E-02	8.06
0	4.04E-01	2.79
0	9.09E-01	1.13
0	9.67E-01	0.95
0	8.38E-01	0.82
70	2.71E-03	0.70
5	2.24E-01	0.78
0	3.62E-01	1.69
0	4.47E-01	0.36
0	3.54E-01	1.94
0	4.15E-01	1.95
0	4.67E-01	0.37
0	9.73E-01	0.97
112	6.46E-01	0.95
11	9.31E-01	1.01
0	4.81E-01	0.39
0	3.52E-01	0.52
0	2.08E-02	1.95
1	1.85E-01	1.63
11	9.61E-01	1.01
1	8.43E-01	0.96
2	8.69E-01	0.96
35	5.54E-01	0.92
1285	9.61E-01	0.99
1069	8.45E-01	1.02
0	8.91E-01	1.08
1229	6.20E-01	0.95
210	7.77E-01	0.97
0	2.48E-01	2.78
1500	9.14E-01	1.02
1	9.44E-01	0.98
0	9.01E-01	0.85
0	9.08E-01	0.88
0	2.69E-01	2.49
0	5.58E-02	2.41
0	4.36E-01	2.09
542	6.45E-02	1.18
0	7.13E-01	1.46
0	9.30E-01	1.08
1099	7.68E-01	1.03
0	8.95E-01	0.90
1	7.83E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.23E-02	0.14
0	5.13E-02	4.27
0	7.56E-01	0.90
0	8.56E-01	1.22
0	8.07E-01	0.87
0	2.87E-01	2.39
4	3.95E-01	1.17
0	7.45E-01	0.81
17	5.36E-02	1.36
0	6.18E-01	1.52
733	8.04E-01	0.98
0	7.90E-01	0.79
0	8.71E-01	1.30
0	4.85E-01	2.18
0	5.14E-02	6.37
0	7.11E-01	0.73
0	7.50E-01	0.72
0	5.17E-01	1.57
1	3.32E-02	3.93
0	3.67E-01	0.52
380	9.10E-01	1.01
35	3.97E-01	0.90
14	6.53E-01	1.07
0	9.43E-01	0.93
0	5.53E-02	5.06
0	8.88E-01	1.15
91	3.09E-01	0.90
8	2.77E-01	0.81
15	6.17E-01	0.91
42	4.87E-02	1.28
257	7.93E-01	0.98
0	8.22E-01	0.81
1360	9.36E-01	1.01
0	3.76E-01	2.16
1076	9.85E-01	1.00
0	7.06E-01	0.60
0	7.55E-01	1.36
0	1.22E-01	0.16
195	4.79E-01	1.07
17	7.48E-01	0.95
0	3.14E-02	1.89
0	2.14E-01	0.45
87	8.99E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

12	2.43E-01	1.21
251	1.55E-02	0.80
0	3.55E-01	2.01
0	9.86E-01	0.98
0	8.51E-01	0.83
0	6.15E-01	0.64
0	6.20E-01	0.50
0	9.77E-01	0.97
0	9.49E-01	1.05
0	4.86E-01	0.36
0	5.61E-01	0.79
0	7.76E-01	0.87
0	8.27E-01	0.73
420	9.28E-01	0.99
0	3.18E-01	1.88
0	7.95E-01	1.27
2	4.05E-01	1.33
975	6.63E-01	0.96
0	6.25E-01	1.61
0	4.02E-01	3.44
0	2.29E-01	2.25
0	7.05E-01	0.74
0	2.30E-01	0.24
0	6.42E-01	1.24
0	8.83E-01	1.13
833	3.12E-01	0.91
0	9.97E-01	1.00
0	1.67E-01	0.60
229	6.26E-01	0.95
0	9.06E-01	0.91
0	2.89E-01	2.17
0	4.27E-01	0.72
0	4.03E-01	2.37
0	5.91E-01	0.68
1	1.99E-01	1.54
0	7.21E-01	0.78
0	8.81E-01	1.26
22	2.76E-01	0.85
0	9.87E-01	0.98
0	1.62E-01	3.86
22	5.87E-02	0.75
0	7.12E-01	1.50
0	2.69E-01	2.30

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.97E-02	5.62
1	7.89E-01	0.93
103	3.45E-01	0.90
0	7.45E-01	0.76
19	8.85E-01	0.98
3	5.94E-01	0.88
0	8.17E-01	1.12
5	9.44E-01	1.02
0	2.66E-01	2.12
0	2.66E-01	2.12
122	8.60E-01	0.98
0	2.61E-01	0.38
4	4.48E-02	0.52
0	2.52E-01	5.14
0	4.44E-01	0.51
1	7.08E-01	1.13
0	2.71E-01	0.37
153	1.46E-01	1.15
1921	5.37E-01	0.33
242	1.73E-01	1.14
0	3.07E-01	0.44
27	3.59E-01	0.88
26	3.61E-01	0.88
353	4.28E-01	0.93
4	5.28E-02	0.52
2	2.33E-01	1.33
0	7.69E-01	0.69
0	2.35E-01	1.92
0	7.39E-01	0.79
0	2.29E-01	3.77
4	2.04E-01	0.67
4	2.04E-01	0.67
0	7.15E-01	1.45
0	7.02E-02	8.07
0	3.25E-01	0.30
0	8.80E-01	1.25
432	7.14E-01	0.97
0	4.78E-01	0.39
0	9.01E-01	0.96
4	5.36E-02	1.38
83	2.05E-01	1.15
0	7.79E-01	1.09
0	7.43E-01	0.69

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.08E-01	1.85
0	9.14E-01	1.17
0	2.50E-01	0.24
1	4.61E-01	0.77
0	9.66E-01	0.96
0	9.40E-01	1.06
0	4.90E-01	1.34
0	1.92E-01	3.11
0	3.85E-01	2.07
0	9.81E-01	1.03
0	8.71E-01	0.83
1	8.10E-01	1.08
2	4.81E-02	0.58
7	2.65E-01	1.22
0	7.55E-01	0.74
9	1.77E-01	1.24
713	5.63E-01	1.05
0	2.03E-01	0.53
0	9.06E-01	1.15
0	2.85E-01	2.28
0	5.76E-01	1.91
0	1.49E-01	2.98
0	9.90E-01	0.99
0	4.21E-01	0.29
0	2.17E-01	2.43
871	4.80E-01	1.07
2	6.52E-01	1.14
48	8.91E-01	0.98
0	6.89E-03	3.05
0	8.29E-01	0.73
0	4.62E-01	0.55
0	9.67E-01	1.07
0	2.91E-01	1.71
0	8.66E-01	1.17
153	9.93E-01	1.00
1135	8.51E-01	1.02
1921	6.06E-01	0.40
56	5.19E-01	1.08
0	1.47E-01	2.66
0	7.98E-01	1.17
0	5.46E-01	0.66
3	8.82E-01	1.04
69	1.65E-01	0.85

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

7	4.95E-02	0.65
67	1.94E-01	0.86
1922	1.00E+00	0.97
0	6.27E-01	0.79
0	7.35E-01	1.40
0	6.61E-01	1.39
324	5.67E-01	1.05
0	5.22E-01	0.40
0	4.06E-01	0.74
0	7.94E-01	0.69
0	8.65E-01	1.31
144	2.61E-01	0.89
13	5.23E-01	1.10
40	4.07E-02	0.76
0	3.12E-01	2.65
1726	9.54E-01	0.99
19	1.76E-01	0.81
1746	7.27E-01	0.93
0	7.95E-01	0.76
44	6.08E-01	0.94
0	8.95E-01	1.11
104	4.85E-01	0.93
2	2.84E-01	0.70
0	9.15E-03	25.49
0	4.30E-01	0.53
30	7.89E-01	1.04
14	5.42E-01	0.91
0	6.54E-02	0.36
0	7.11E-01	0.74
10	2.04E-01	0.80
10	2.53E-01	0.79
0	1.00E+00	1.00
0	2.59E-01	3.18
0	1.58E-01	0.19
0	6.42E-01	1.43
7	4.93E-01	1.15
0	3.72E-01	2.74
0	2.25E-01	0.53
0	6.51E-01	1.30
0	1.64E-01	1.75
0	9.78E-03	9.27
1	2.07E-01	1.68
0	2.12E-01	2.26

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.37E-01	1.08
0	3.39E-01	0.38
0	1.67E-01	3.31
0	1.32E-01	0.26
73	5.02E-01	0.92
1922	1.00E+00	0.97
173	3.71E-01	0.91
650	8.04E-01	1.02
0	2.66E-01	2.22
0	6.14E-01	1.62
0	2.92E-01	3.14
0	9.58E-01	0.90
0	4.14E-01	0.35
0	3.79E-01	0.47
0	6.04E-01	1.19
0	7.32E-01	0.70
0	2.25E-01	1.47
0	4.36E-01	2.18
729	5.12E-01	0.94
0	8.65E-01	1.13
0	5.13E-01	1.87
0	5.09E-01	1.88
0	7.22E-01	0.61
0	8.87E-02	2.95
0	6.36E-01	0.82
1	8.66E-01	0.93
0	8.11E-01	0.93
0	9.71E-01	1.02
0	7.30E-01	1.29
0	6.22E-01	0.50
4	4.71E-01	0.81
0	7.93E-01	1.27
9	2.51E-01	0.80
1	7.90E-01	1.08
150	1.98E-01	0.88
0	5.53E-01	1.45
0	5.68E-01	0.53
0	1.60E-01	2.36
0	2.61E-01	0.24
0	6.60E-01	1.47
0	4.99E-01	1.78
9	6.92E-01	0.93
134	1.56E-01	1.15

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.17E-01	2.25
2	5.50E-01	0.79
0	9.99E-01	1.00
0	5.52E-01	0.43
0	7.17E-01	1.32
0	3.07E-01	0.26
0	2.85E-01	1.92
0	8.76E-01	0.83
106	1.45E-02	0.76
0	6.70E-01	0.82
15	2.34E-01	1.20
0	8.29E-01	0.91
0	3.42E-01	2.38
0	8.83E-01	0.80
0	8.22E-01	1.28
0	8.22E-01	1.28
1922	1.00E+00	0.97
0	4.44E-01	0.32
0	7.65E-01	1.27
0	8.71E-01	1.06
57	6.62E-01	1.05
0	4.14E-01	0.38
0	2.42E-01	0.54
926	9.58E-01	1.01
114	5.93E-02	1.22
0	2.10E-01	1.50
0	6.94E-01	0.81
0	2.49E-02	12.45
567	6.84E-03	1.27
0	8.12E-01	0.84
0	7.80E-01	0.81
0	7.80E-01	0.81
0	9.98E-01	1.00
122	9.49E-01	0.99
40	9.94E-01	1.00
0	5.24E-01	1.25
0	9.86E-01	1.01
0	7.49E-02	4.17
57	2.77E-02	0.76
1173	4.21E-01	1.09
0	3.50E-01	0.59
0	8.46E-01	0.82
0	8.46E-01	0.82

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.62E-01	0.87
0	5.56E-02	0.10
0	4.65E-01	1.88
0	9.27E-01	1.09
0	9.80E-01	0.97
1100	6.75E-01	0.96
0	7.00E-01	1.54
20	6.12E-01	1.08
726	7.81E-01	0.97
0	3.19E-01	0.29
0	5.56E-01	1.64
0	1.43E-01	0.20
0	7.79E-02	2.29
23	3.70E-01	0.87
336	6.51E-02	0.84
2	9.56E-01	1.01
0	3.76E-01	2.14
0	4.65E-01	0.57
0	4.69E-01	0.36
0	1.86E-01	3.17
0	4.78E-02	6.36
33	2.14E-02	1.34
4	4.25E-01	1.22
5	7.49E-01	1.08
323	8.63E-01	1.02
1	8.00E-01	0.84
1	6.30E-01	0.67
2	6.42E-01	1.16
0	6.29E-02	0.46
0	9.54E-01	1.06
1	6.56E-01	0.85
0	6.45E-01	1.47
302	8.89E-01	1.01
0	3.74E-01	2.44
0	5.52E-01	2.14
0	4.96E-01	0.80
0	4.96E-01	0.80
153	6.18E-01	0.95
0	9.37E-01	0.93
0	9.37E-01	0.93
0	8.21E-01	0.72
0	6.33E-01	0.55
0	9.46E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.09E-01	2.31
1915	5.85E-01	0.70
0	3.57E-01	2.63
1	9.06E-01	0.91
0	9.52E-01	0.93
0	8.31E-01	1.11
0	5.28E-02	0.06
0	7.18E-01	0.72
94	9.22E-01	0.99
618	3.73E-01	0.92
23	4.55E-01	1.11
1	1.77E-01	1.48
0	4.80E-01	0.58
0	8.61E-01	1.08
1	1.45E-01	1.38
0	8.28E-01	1.26
0	8.46E-01	1.36
1	3.90E-01	1.39
0	5.39E-01	2.00
0	6.52E-01	1.81
1040	5.36E-01	0.94
0	2.39E-01	3.84
0	6.23E-01	1.76
0	1.44E-02	2.15
1304	5.11E-01	1.08
4	2.11E-01	0.66
0	8.28E-01	0.83
0	4.82E-01	0.39
0	1.72E-01	0.35
0	5.58E-01	1.83
0	3.98E-01	0.27
0	8.55E-01	0.93
0	3.28E-01	2.73
0	2.98E-01	2.62
179	6.77E-01	1.04
0	9.02E-01	1.22
1	1.68E-01	2.93
1	2.19E-01	1.41
1921	2.49E-01	0.09
0	2.19E-01	0.35
0	2.96E-01	0.37
0	3.27E-01	1.50
0	4.55E-01	1.55

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.51E-01	0.45
0	8.84E-01	0.84
1198	7.91E-01	1.03
0	2.46E-01	3.53
462	9.62E-01	1.00
0	9.74E-01	1.03
0	4.17E-02	3.50
1922	1.00E+00	0.97
11	5.14E-01	0.88
0	7.80E-01	1.33
0	1.90E-01	0.35
0	3.28E-01	1.99
0	1.47E-01	3.37
12	2.94E-01	0.82
0	6.19E-02	5.53
3	4.91E-01	0.85
0	9.45E-01	1.10
0	3.80E-01	0.70
0	4.35E-01	2.27
0	5.95E-01	0.63
0	5.57E-01	0.42
0	6.41E-01	1.35
0	7.32E-01	1.43
0	4.11E-01	1.29
0	9.64E-01	0.96
0	2.03E-01	1.60
0	2.57E-01	2.87
0	6.89E-01	1.58
0	9.61E-01	1.04
0	8.84E-01	1.22
0	3.99E-01	0.46
0	4.17E-01	0.55
0	5.09E-02	3.69
0	2.68E-01	1.82
0	5.45E-01	0.40
0	4.24E-01	0.64
20	6.58E-01	0.94
51	6.03E-01	1.06
21	9.28E-01	0.99
0	9.84E-01	0.98
325	5.05E-01	1.06
0	9.51E-01	1.02
0	8.11E-01	0.75

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.12E-01	0.40
65	8.47E-01	1.02
13	6.75E-01	0.94
1896	1.80E-02	0.40
0	2.86E-01	1.83
0	5.94E-01	1.27
0	3.63E-01	1.72
0	6.90E-01	0.73
0	3.42E-01	2.54
0	7.52E-02	5.40
8	7.10E-01	1.07
0	4.62E-01	0.36
0	4.46E-01	2.36
0	4.84E-01	1.73
0	7.08E-01	1.27
36	3.60E-01	0.88
296	6.82E-01	1.04
296	6.56E-01	1.04
8	8.92E-01	0.98
0	2.03E-01	4.17
0	3.18E-01	1.34
0	2.03E-01	4.17
0	4.11E-01	1.64
0	2.36E-01	0.35
132	8.31E-01	0.98
0	9.06E-01	0.87
0	1.53E-01	3.81
0	1.37E-01	2.14
0	9.28E-01	0.89
0	3.27E-01	0.29
0	1.49E-01	0.15
216	2.06E-02	1.24
1147	9.81E-01	1.00
102	1.23E-01	0.84
1	6.76E-01	1.16
46	1.28E-01	0.82
215	1.78E-02	1.25
0	3.24E-01	2.07
0	8.89E-01	1.21
0	4.73E-02	7.26
0	9.72E-01	1.03
0	8.01E-01	0.70
0	2.06E-02	0.17

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.93E-01	2.73
0	4.49E-01	0.59
0	8.27E-01	1.27
0	4.56E-01	0.60
17	8.70E-01	0.98
5	5.16E-01	0.88
7	4.45E-01	0.86
10	4.40E-01	1.13
46	6.54E-01	1.06
0	6.42E-03	6.46
0	1.44E-01	0.18
0	8.19E-01	0.87
0	7.69E-01	1.24
0	7.81E-01	0.73
179	3.47E-01	1.10
0	9.89E-02	0.09
0	7.52E-01	0.83
0	4.26E-02	5.74
0	5.01E-01	0.57
0	1.38E-01	2.96
60	3.39E-01	1.12
2	4.97E-02	0.59
0	3.74E-02	2.14
0	8.99E-01	0.88
0	7.39E-01	1.38
0	1.84E-01	4.02
59	1.75E-01	1.17
0	6.50E-01	1.69
0	4.57E-01	0.47
0	6.90E-01	1.54
0	3.45E-01	2.30
573	2.86E-02	0.82
4	4.31E-01	1.19
30	7.31E-01	0.95
0	8.66E-01	1.19
0	5.37E-01	0.44
4	4.31E-01	1.19
0	5.13E-01	1.66
0	1.12E-01	4.63
0	4.11E-01	1.56
4	7.68E-01	0.94
0	7.86E-01	0.81
0	3.01E-01	2.77

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.95E-01	1.27
0	5.75E-01	1.88
0	4.83E-01	1.72
1	5.71E-01	0.76
15	9.69E-01	0.99
0	4.04E-02	2.49
0	1.46E-01	0.19
7	4.65E-01	0.87
7	8.78E-01	1.03
0	4.24E-02	0.10
0	6.57E-01	1.40
292	5.66E-02	0.84
1	5.76E-01	0.80
0	3.93E-01	2.07
0	1.29E-01	2.50
0	1.07E-01	3.16
0	9.94E-02	3.27
0	8.45E-01	1.06
0	9.58E-01	0.94
184	4.44E-01	1.08
1892	5.47E-01	1.32
334	9.85E-01	1.00
1891	5.42E-01	1.32
0	9.23E-01	1.10
0	7.76E-01	0.80
0	3.32E-01	1.54
0	7.24E-01	1.44
0	8.35E-01	1.39
0	4.56E-01	0.33
1	6.84E-01	1.13
0	1.11E-01	6.39
939	6.86E-01	0.96
0	3.03E-02	4.75
0	7.59E-01	1.22
0	7.59E-02	6.14
0	9.98E-01	1.00
0	9.78E-01	1.02
284	2.51E-02	1.23
1	9.62E-01	1.02
0	2.40E-01	0.32
1	2.97E-01	0.23
0	3.43E-01	2.27
894	6.94E-01	1.04

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

896	7.25E-01	1.03
0	3.67E-01	2.18
1919	4.42E-01	0.42
0	5.79E-01	0.71
0	9.01E-01	0.83
0	1.33E-01	3.19
28	5.05E-01	1.10
311	6.20E-02	0.84
0	9.01E-01	0.83
0	9.01E-01	0.83
0	3.17E-01	0.42
0	4.40E-01	0.75
4	5.25E-01	0.86
141	9.98E-01	1.00
4	5.25E-01	0.86
0	8.35E-01	0.91
3	8.65E-02	1.47
292	5.40E-01	0.94
3	9.24E-01	0.98
10	5.54E-02	0.66
0	1.28E-01	4.17
0	2.43E-01	0.16
18	7.51E-01	1.05
18	7.51E-01	1.05
0	1.93E-01	1.79
0	3.17E-01	0.29
26	5.51E-01	0.91
0	8.24E-01	1.09
172	5.00E-01	1.07
16	6.79E-02	1.36
254	6.47E-01	0.96
1	1.78E-01	1.55
1869	8.25E-02	0.54
0	7.21E-03	2.64
10	4.34E-01	0.87
0	1.83E-01	4.27
0	5.19E-01	1.42
0	7.13E-01	0.72
0	1.19E-01	0.57
487	3.45E-01	1.09
459	5.04E-01	0.94
0	5.97E-01	2.41
24	6.57E-01	1.06

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.15E-01	1.18
0	1.02E-01	0.16
0	5.47E-01	0.72
78	2.46E-01	1.14
0	4.91E-01	2.14
59	7.02E-01	0.96
0	2.05E-01	1.93
0	6.45E-01	1.59
0	4.62E-01	2.00
0	7.31E-01	0.79
0	9.24E-01	0.86
2	1.91E-01	0.63
0	9.10E-01	1.04
0	6.07E-01	1.70
0	2.79E-01	1.35
2	2.17E-01	1.33
7	4.53E-02	0.68
0	6.21E-01	0.82
0	8.20E-02	0.29
0	1.34E-01	1.95
37	2.33E-01	0.85
0	6.21E-01	0.82
0	9.03E-01	0.84
386	1.12E-01	0.86
0	5.36E-01	0.48
0	8.54E-01	1.05
0	1.97E-01	3.61
0	6.42E-01	0.59
21	1.35E-01	0.78
0	1.30E-01	0.34
0	6.61E-01	0.54
0	8.09E-01	1.22
193	3.64E-02	0.82
1636	3.85E-01	1.16
0	4.35E-01	0.63
0	2.89E-01	3.29
0	5.02E-01	0.47
65	3.89E-01	1.10
2	1.10E-01	1.40
0	9.68E-01	0.96
0	3.35E-01	2.05
1922	1.00E+00	0.97
2	7.42E-01	0.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

23	5.20E-01	1.10
3	7.43E-01	1.08
0	9.71E-01	1.04
0	4.73E-01	2.15
1	9.34E-01	1.02
0	5.89E-01	0.60
0	3.77E-01	0.56
1615	3.12E-01	1.19
0	9.54E-01	0.97
0	5.49E-01	1.59
0	1.37E-01	2.76
0	3.91E-01	1.97
0	7.23E-01	0.61
0	8.80E-01	1.15
1	9.81E-01	0.99
0	4.93E-01	0.40
17	3.49E-01	1.15
0	6.95E-01	2.02
35	6.45E-01	1.06
0	9.14E-01	0.90
0	4.37E-01	2.94
199	5.29E-01	0.94
149	1.77E-01	1.14
0	7.51E-01	1.27
0	1.33E-01	3.47
0	1.20E-01	0.44
0	9.30E-01	0.93
0	8.93E-02	3.41
0	3.43E-01	0.48
0	8.57E-01	1.16
0	8.97E-01	1.09
0	9.90E-01	0.99
0	8.69E-01	0.84
811	7.77E-01	0.97
0	9.90E-01	0.99
813	7.70E-01	0.97
1	9.59E-01	0.99
25	4.72E-01	0.91
25	4.72E-01	0.91
0	3.17E-01	0.56
0	7.66E-02	2.59
0	4.06E-01	0.32
3	7.28E-01	0.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.56E-01	1.05
281	1.16E-01	1.16
2	5.18E-01	0.89
0	3.27E-03	10.02
1183	5.95E-03	1.36
0	6.40E-01	0.59
583	2.04E-01	1.12
0	1.26E-01	1.98
0	7.61E-01	0.83
0	4.01E-01	2.54
0	9.16E-01	0.94
0	2.20E-01	0.47
0	9.18E-02	0.43
18	9.81E-01	1.00
0	5.56E-01	0.53
0	3.51E-01	0.77
766	5.39E-01	0.94
839	2.83E-01	0.90
0	9.63E-01	1.02
0	2.43E-01	0.72
765	5.71E-01	0.95
840	3.27E-01	0.91
0	8.84E-01	1.18
0	8.08E-01	0.90
0	8.84E-01	1.18
0	8.84E-01	1.18
1	7.61E-01	0.89
0	4.30E-01	2.13
16	9.11E-01	1.02
0	8.84E-01	1.18
0	1.21E-01	1.91
0	6.31E-01	0.58
16	9.64E-01	1.01
0	5.86E-01	1.25
365	9.44E-01	1.01
0	2.80E-01	3.46
0	1.26E-01	1.89
0	2.32E-02	0.08
4	2.19E-01	0.75
0	7.11E-01	1.44
0	7.93E-02	0.13
0	1.25E-01	4.50
0	1.62E-01	3.49

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

29	5.05E-01	1.09
0	6.13E-01	0.61
4	5.74E-01	0.89
0	6.00E-01	0.86
0	9.42E-01	0.95
0	8.56E-01	1.16
1	5.33E-01	0.68
0	4.29E-01	0.59
0	3.44E-01	2.23
0	1.71E-01	0.13
3	9.35E-02	0.66
1921	3.83E-01	0.19
0	3.22E-01	0.28
0	6.02E-01	1.51
0	1.38E-01	2.17
0	9.31E-01	0.89
2	6.30E-01	1.21
52	4.97E-01	1.09
0	1.18E-01	0.10
0	8.05E-01	1.32
0	3.02E-01	0.62
0	9.12E-01	0.89
0	8.21E-02	4.09
130	5.17E-01	0.94
1447	2.76E-01	1.16
20	3.37E-01	0.87
0	1.61E-01	0.26
0	2.27E-01	3.83
0	7.53E-01	0.88
0	2.70E-01	0.29
0	1.55E-01	5.19
0	4.89E-01	2.07
0	5.26E-01	0.63
177	2.92E-01	0.90
1049	8.18E-01	0.98
0	3.11E-01	2.10
0	1.46E-02	7.96
0	7.51E-01	1.18
1	2.20E-01	2.11
1	4.24E-01	1.24
1303	3.66E-01	0.90
0	7.93E-01	0.69
2	3.77E-01	1.30

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.72E-01	1.11
0	5.84E-01	2.09
0	5.48E-01	0.62
0	7.26E-01	0.89
0	7.95E-01	0.92
0	7.95E-01	0.92
0	7.39E-01	0.81
1	1.31E-01	1.67
58	4.09E-01	1.10
0	3.31E-01	0.28
0	9.42E-01	0.90
0	1.53E-01	1.54
0	1.53E-01	1.54
107	8.50E-01	0.98
0	5.84E-01	0.57
0	4.98E-01	2.83
0	8.61E-01	0.81
0	8.48E-01	0.76
0	5.36E-01	2.88
0	6.02E-01	1.37
0	5.72E-01	0.77
0	2.88E-01	0.36
1397	3.49E-01	1.13
1	9.67E-01	1.01
1	9.66E-01	1.01
1757	3.00E-01	0.79
0	1.35E-01	4.38
0	2.22E-01	0.34
0	2.62E-01	3.41
4	9.75E-01	0.99
17	5.83E-01	0.91
1	7.40E-01	1.17
0	1.00E+00	1.00
2	5.18E-01	0.85
7	9.49E-02	1.40
0	4.63E-01	1.28
0	7.25E-01	0.59
0	1.21E-01	0.13
0	9.58E-01	1.04
0	8.62E-01	0.78
4	7.86E-01	1.07
1	5.07E-01	1.94
0	2.94E-01	0.21

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.67E-01	0.70
228	2.57E-01	0.90
97	5.15E-01	0.93
0	8.15E-01	0.69
0	3.10E-01	2.26
58	1.56E-01	0.84
1021	2.84E-01	1.12
1	1.84E-01	3.03
0	1.34E-01	0.13
0	9.97E-02	0.53
0	5.62E-01	0.54
1	1.16E-01	1.65
0	2.25E-01	0.15
0	7.44E-01	1.42
0	9.92E-01	0.99
0	3.53E-02	0.16
0	4.17E-01	0.57
380	3.29E-01	1.09
380	3.01E-01	1.10
0	8.82E-01	0.87
0	4.97E-01	2.25
0	1.94E-01	3.57
2	4.76E-01	0.84
0	7.77E-01	1.36
0	7.77E-01	1.36
1	8.91E-01	0.88
8	4.99E-01	1.13
183	5.20E-01	0.94
0	2.55E-01	0.62
1	9.67E-01	1.02
0	7.65E-01	1.39
3	6.01E-01	0.86
1	2.33E-01	1.42
0	3.82E-01	2.54
7	9.92E-01	1.00
0	8.20E-01	1.19
0	1.99E-01	3.01
0	2.48E-01	3.65
0	7.88E-01	0.90
0	9.40E-01	0.90
0	8.05E-01	1.38
0	2.55E-01	3.56
0	8.17E-01	1.43

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.66E-02	0.06
852	8.21E-01	0.98
0	6.03E-02	0.06
4	5.05E-01	0.87
0	4.88E-01	1.62
0	5.77E-01	0.54
848	8.54E-01	0.98
0	2.58E-01	2.19
0	6.26E-01	1.24
847	8.85E-01	0.99
0	9.70E-01	0.99
0	7.62E-01	0.76
0	9.35E-01	0.91
0	6.96E-01	0.86
0	6.96E-01	0.86
0	6.96E-01	0.86
3	1.25E-01	0.63
843	9.99E-01	1.00
0	4.88E-01	0.51
2	8.21E-01	1.08
0	1.81E-01	4.28
0	9.29E-01	1.15
810	7.51E-01	0.97
0	8.08E-01	1.48
0	5.30E-01	1.27
2	9.05E-01	0.96
0	2.87E-01	1.76
4	3.58E-01	0.82
0	2.06E-01	0.16
56	1.26E-01	0.83
1298	8.16E-01	1.03
47	8.53E-01	1.02
0	7.64E-01	0.82
173	2.48E-01	1.12
0	5.65E-01	1.37
3	4.64E-01	1.33
0	6.75E-01	1.33
0	9.65E-01	1.03
0	4.67E-01	0.39
0	9.75E-01	0.97
0	1.27E-01	1.75
0	3.75E-03	9.62
0	5.47E-01	1.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.78E-01	0.63
1	5.02E-01	0.70
0	9.88E-01	1.01
0	4.89E-01	2.23
8	7.73E-01	0.95
0	7.65E-01	0.81
0	2.04E-01	2.60
0	4.43E-01	0.54
0	9.54E-01	1.09
0	3.10E-01	1.56
0	7.16E-01	0.69
46	3.75E-01	1.12
0	3.16E-01	1.98
0	4.34E-01	0.69
0	6.69E-01	1.49
0	6.60E-01	1.80
0	4.19E-01	1.79
6	9.27E-01	1.02
0	7.63E-01	1.99
14	5.29E-01	0.91
6	4.56E-01	1.18
1	5.58E-01	1.17
6	4.56E-01	1.18
0	5.56E-01	0.61
0	1.76E-01	0.15
15	9.06E-02	0.76
0	2.79E-01	2.43
13	7.75E-02	0.75
0	2.59E-01	0.24
0	7.14E-01	1.36
0	7.43E-01	1.39
0	5.05E-01	2.30
0	3.39E-01	0.57
0	8.29E-01	1.23
0	7.34E-01	1.38
0	9.89E-01	0.99
0	6.68E-01	1.24
1	4.99E-01	1.23
203	2.04E-01	1.13
0	7.55E-01	0.78
1	8.03E-01	0.80
0	5.63E-01	1.61
0	2.18E-01	0.29

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	9.88E-01	1.01
0	6.70E-01	0.57
3	9.04E-01	0.97
5	9.27E-01	1.02
0	5.44E-01	0.43
0	9.03E-01	1.07
17	3.77E-01	0.86
0	2.06E-01	1.94
209	5.52E-01	0.94
7	4.60E-01	0.85
0	1.42E-01	0.66
0	2.22E-01	2.07
0	4.67E-01	1.99
0	4.07E-01	0.33
9	7.80E-01	0.95
0	2.33E-01	0.23
0	2.33E-01	4.27
1538	3.32E-01	0.86
0	1.35E-01	2.35
0	3.01E-01	3.06
0	9.31E-01	0.92
170	4.95E-01	0.94
0	9.24E-01	1.05
0	3.93E-01	1.24
0	6.51E-01	1.43
2	7.72E-01	1.08
0	2.79E-01	2.27
0	3.49E-01	2.12
0	7.95E-01	1.27
354	8.87E-01	0.99
378	9.20E-01	1.01
0	3.44E-01	2.33
377	9.07E-01	1.01
0	9.72E-01	1.03
0	4.60E-02	5.11
0	7.03E-01	1.48
3	8.40E-01	0.94
0	3.76E-01	0.52
22	6.83E-01	0.94
0	7.61E-02	0.06
0	2.31E-01	3.19
0	1.43E-01	4.12
719	2.48E-01	1.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.70E-01	1.32
0	1.36E-01	0.18
0	9.27E-01	1.13
0	8.88E-01	1.10
1	9.11E-01	0.96
0	9.31E-01	1.03
1108	3.90E-01	0.92
0	9.72E-01	1.04
0	9.11E-01	1.14
0	4.05E-01	0.49
0	4.89E-01	0.36
0	8.70E-01	1.13
0	1.97E-02	12.87
187	4.72E-03	1.31
188	6.76E-03	1.30
0	2.74E-01	2.22
0	9.65E-01	0.98
3	9.75E-01	1.01
0	7.60E-01	0.76
0	1.46E-01	0.59
0	4.08E-01	2.20
0	9.37E-02	2.45
0	5.19E-01	1.33
0	5.40E-01	1.79
0	4.59E-01	2.25
0	8.89E-01	0.81
2	5.98E-01	1.15
1901	8.07E-01	0.88
82	9.03E-01	1.01
92	5.04E-01	0.93
0	5.89E-01	1.74
118	4.61E-01	0.92
0	2.61E-01	1.76
0	9.75E-01	0.97
0	1.84E-01	3.42
3	5.41E-02	1.67
68	3.53E-01	1.12
0	1.14E-01	2.24
0	9.22E-02	1.60
0	3.48E-01	0.52
0	5.07E-01	0.40
0	1.04E-01	1.57
0	8.36E-01	1.38

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.57E-01	1.05
0	6.09E-01	0.77
0	5.63E-01	0.74
0	5.63E-01	0.74
0	1.63E-01	1.60
65	6.61E-01	0.95
0	5.98E-01	1.84
0	1.84E-01	0.34
15	4.73E-02	0.68
67	6.92E-01	0.95
0	5.83E-01	0.64
190	8.80E-01	1.01
15	4.73E-02	0.68
1834	3.12E-01	0.74
0	3.02E-01	0.53
0	7.49E-01	0.72
0	1.45E-01	2.29
1922	1.00E+00	0.97
396	6.77E-02	1.18
363	1.02E-02	1.26
66	9.59E-01	0.99
66	8.11E-01	0.97
0	5.08E-01	0.40
0	5.50E-01	1.47
0	8.29E-01	1.22
9	5.61E-01	1.11
429	8.13E-02	0.85
0	5.48E-01	1.46
0	6.79E-01	1.52
0	4.65E-01	1.41
0	3.82E-01	0.54
0	1.99E-01	2.20
79	9.20E-01	1.01
0	6.76E-02	0.26
0	6.54E-01	0.69
0	6.87E-01	1.65
0	2.66E-01	3.84
1	7.30E-01	1.12
0	2.60E-01	0.56
93	6.13E-01	0.95
0	1.90E-01	0.20
0	4.36E-01	0.47
0	1.04E-01	0.16

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.87E-01	0.87
80	9.14E-01	0.99
0	8.81E-01	1.13
0	5.39E-01	2.09
0	9.40E-01	1.12
0	5.32E-01	0.52
0	5.02E-01	0.38
0	7.38E-01	1.29
5	7.05E-01	0.92
0	9.41E-01	1.06
1	6.70E-01	1.26
0	4.96E-01	0.61
0	9.50E-01	0.93
0	7.05E-01	1.40
0	5.29E-01	2.57
0	7.91E-01	0.69
0	4.88E-01	1.33
0	3.73E-01	2.07
1438	9.21E-01	1.01
0	5.13E-02	11.36
172	6.45E-01	0.96
0	7.32E-01	0.85
0	4.87E-01	0.50
1	6.82E-01	0.90
0	2.17E-01	0.54
3	8.40E-01	1.05
0	1.17E-01	6.71
0	9.39E-01	0.96
2	6.66E-01	0.88
0	8.24E-01	0.83
1	6.55E-01	0.84
1919	5.06E-01	0.48
3	9.49E-01	1.02
1919	5.06E-01	0.48
6	7.52E-01	0.92
20	1.24E-01	0.80
0	9.44E-01	0.92
1	4.96E-01	1.20
18	2.30E-01	1.20
0	4.98E-01	2.08
2	5.51E-01	0.84
0	6.66E-01	1.30
0	3.69E-01	0.29

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1137	4.81E-01	1.07
0	3.54E-01	0.39
0	5.35E-01	0.72
0	9.97E-01	1.00
61	5.10E-01	1.08
0	3.66E-01	2.09
456	3.95E-01	0.93
0	8.55E-01	0.85
456	3.83E-01	0.93
0	3.37E-02	7.25
11	8.30E-01	1.04
0	8.13E-01	1.26
480	4.94E-02	0.84
44	3.54E-01	1.12
0	3.94E-01	2.12
0	5.16E-01	0.56
0	7.46E-01	0.77
1	3.54E-01	0.45
0	1.11E-01	2.79
0	9.56E-01	1.09
0	5.00E-01	0.49
37	9.86E-01	1.00
0	5.86E-01	0.76
0	1.00E+00	1.00
655	6.09E-01	1.05
0	5.01E-01	0.44
9	5.35E-01	0.90
0	6.63E-01	0.76
1	9.06E-01	0.97
0	8.15E-01	0.87
0	2.77E-02	3.17
795	5.51E-01	1.06
535	8.21E-01	1.02
0	8.56E-02	4.46
2	8.73E-01	1.03
1889	6.02E-01	0.79
6	9.05E-01	0.98
1921	2.66E-01	0.10
84	9.58E-01	0.99
0	6.29E-01	1.54
5	4.41E-01	1.18
0	3.02E-01	0.33
224	7.86E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	5.72E-01	1.20
220	6.29E-01	0.96
205	9.46E-01	1.01
205	9.46E-01	1.01
0	9.50E-01	0.96
0	5.82E-01	0.46
0	3.14E-01	1.81
15	4.78E-01	1.12
0	2.18E-01	2.46
1	7.25E-01	1.31
0	1.54E-02	6.91
1126	9.62E-01	1.00
27	4.48E-01	0.90
0	4.20E-02	0.05
1	2.66E-01	0.48
0	9.20E-01	1.11
20	8.54E-01	1.03
0	3.60E-01	1.71
0	7.61E-01	1.74
10	4.07E-03	0.57
0	6.58E-01	1.44
0	6.35E-02	3.20
0	9.06E-01	0.93
0	8.18E-01	0.72
1282	4.61E-01	1.09
0	7.32E-01	0.80
0	7.19E-01	0.84
0	3.42E-01	0.28
0	2.68E-01	0.25
0	4.39E-01	0.55
0	2.31E-01	2.76
0	5.47E-01	1.37
557	1.22E-01	0.87
0	8.91E-01	1.15
0	5.06E-01	1.97
0	8.37E-01	0.86
0	4.31E-01	0.36
0	8.10E-01	0.84
0	8.14E-01	0.81
0	1.34E-01	2.17
0	5.54E-01	0.47
0	5.54E-01	0.47
0	8.33E-02	0.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.81E-01	1.28
0	6.83E-01	1.72
0	8.99E-01	1.14
1920	3.08E-01	0.31
123	1.79E-01	1.15
0	5.26E-01	1.50
0	6.83E-02	0.14
0	6.68E-01	1.27
1	8.10E-01	1.07
129	5.10E-01	0.93
187	9.80E-01	1.00
29	5.18E-01	0.91
0	1.97E-01	3.24
1921	1.86E-01	0.06
0	2.23E-01	0.56
2	8.00E-01	0.92
36	6.92E-01	0.95
0	7.27E-01	1.14
39	9.31E-01	1.01
0	1.18E-01	6.40
0	6.58E-01	0.70
1120	3.33E-01	1.11
1209	2.25E-01	1.15
1804	2.82E-01	0.76
0	6.86E-01	0.74
1921	9.67E-01	1.07
0	3.86E-01	0.69
0	8.33E-01	1.06
0	9.17E-01	0.86
1	3.32E-01	0.65
0	7.67E-01	0.66
0	8.03E-01	0.77
0	4.19E-01	0.36
0	5.83E-01	0.66
0	2.90E-01	0.26
0	6.11E-01	0.64
0	7.01E-01	1.60
23	2.55E-01	1.17
52	8.09E-01	0.97
169	2.14E-01	0.88
0	5.56E-01	0.50
0	8.93E-01	0.92
14	8.65E-01	0.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1023	5.09E-01	0.93
0	7.27E-01	1.16
0	7.50E-01	0.73
17	1.38E-01	0.80
0	5.32E-01	0.40
0	8.18E-01	1.25
30	4.75E-01	1.11
26	8.75E-01	1.02
3	8.65E-03	1.83
0	5.84E-01	0.63
0	9.45E-01	1.07
0	8.28E-02	4.93
0	4.62E-01	0.48
0	8.83E-01	1.13
0	5.17E-01	0.41
1	8.35E-01	1.21
0	7.10E-01	0.60
1	4.37E-01	0.68
1915	4.88E-01	0.56
0	5.75E-01	0.47
56	8.11E-01	0.97
59	8.86E-01	0.98
57	9.78E-01	1.00
135	7.79E-01	1.03
22	2.93E-01	1.18
15	8.63E-01	1.03
513	2.13E-01	1.12
3	2.28E-01	1.31
0	2.31E-02	8.30
2	8.43E-01	1.07
0	5.81E-01	0.80
0	1.90E-01	0.39
0	7.70E-01	0.79
2	3.77E-01	1.25
0	6.47E-01	1.64
0	5.70E-01	0.81
21	2.99E-01	0.85
559	7.15E-02	1.18
0	4.54E-01	2.01
560	4.75E-02	1.20
559	5.80E-02	1.19
0	7.20E-01	0.70
561	6.10E-02	1.19

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.95E-01	0.70
559	5.96E-02	1.19
0	5.71E-01	1.83
0	3.03E-01	1.61
0	3.78E-01	2.40
155	6.52E-01	0.96
1489	6.65E-02	0.79
0	7.37E-01	1.36
1	9.91E-01	0.99
1511	9.79E-03	0.71
0	9.79E-01	1.01
0	9.05E-01	1.06
0	9.92E-01	1.01
0	4.81E-01	1.48
764	6.89E-01	0.96
0	1.09E-01	0.08
495	9.41E-01	1.01
0	3.23E-01	2.53
0	4.28E-04	14.80
0	2.23E-01	0.45
0	6.55E-01	0.53
19	9.61E-01	0.99
0	5.13E-01	0.42
0	2.74E-01	0.26
0	2.20E-01	2.64
0	9.29E-01	0.93
2	4.02E-02	0.48
0	3.78E-01	0.69
0	2.34E-01	0.21
0	4.74E-01	1.61
2	4.10E-01	1.34
0	4.98E-01	2.34
0	6.47E-01	0.52
1	9.24E-01	1.03
238	9.62E-01	1.00
0	4.93E-01	0.48
4	5.79E-01	0.84
6	5.71E-01	0.91
0	1.46E-01	5.32
2	4.84E-01	0.84
0	2.37E-01	0.18
21	8.25E-01	0.97
0	4.16E-01	1.50

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	4.65E-01	0.84
587	6.33E-01	1.04
0	5.20E-01	1.37
0	2.37E-01	2.45
0	2.56E-01	0.44
0	7.98E-01	0.86
0	9.48E-01	1.08
1190	1.49E-01	0.85
0	3.02E-02	8.34
1188	1.24E-01	0.85
0	2.44E-01	2.18
0	9.83E-01	0.97
0	9.83E-01	0.97
679	1.81E-01	0.89
812	6.48E-01	0.96
1	5.78E-01	1.37
34	2.92E-01	0.87
3	1.76E-01	1.36
0	9.18E-01	0.91
0	2.84E-01	2.51
0	8.94E-01	1.15
0	6.81E-01	0.61
0	3.10E-01	3.30
0	6.38E-01	0.53
0	7.95E-01	0.90
21	7.72E-01	0.96
0	5.68E-01	0.67
8	5.09E-01	0.89
0	5.28E-01	0.62
21	7.98E-01	1.04
0	5.66E-01	0.66
22	8.33E-01	1.03
0	9.98E-01	1.00
602	3.36E-01	0.92
587	4.15E-01	0.93
0	3.52E-01	2.30
0	8.85E-01	0.93
0	2.99E-01	1.65
0	7.63E-01	1.64
0	5.89E-01	0.73
1	9.02E-01	1.06
0	3.42E-01	2.16
0	1.30E-01	0.21

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

286	1.36E-01	0.87
0	8.20E-02	7.30
0	9.35E-01	1.14
0	2.61E-02	4.43
1476	2.56E-01	0.86
0	2.64E-01	0.41
0	3.75E-01	1.52
1	6.55E-01	0.88
64	6.47E-02	0.80
25	3.28E-01	1.14
3	9.78E-01	1.01
0	5.06E-01	0.63
0	7.87E-01	0.91
0	6.54E-01	0.65
0	3.75E-01	1.76
0	1.33E-01	3.98
1	1.18E-01	0.56
0	3.96E-01	0.58
0	4.64E-01	0.82
0	1.09E-01	0.16
2	3.11E-01	0.76
0	4.43E-01	1.64
499	8.88E-01	0.99
0	8.46E-01	1.16
0	2.98E-01	1.82
0	4.37E-01	1.80
38	8.83E-01	0.98
1739	3.59E-01	1.23
4	6.89E-01	1.08
0	6.38E-01	1.71
0	8.25E-01	0.88
292	8.55E-01	1.02
1088	7.61E-01	0.97
0	3.15E-02	0.12
0	7.04E-01	1.19
0	6.68E-01	1.13
0	7.58E-01	0.74
0	8.74E-01	1.12
0	2.88E-01	0.71
0	3.69E-01	0.36
0	5.31E-01	0.41
0	7.59E-01	1.44
0	3.19E-01	0.28

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

13	8.04E-01	1.04
1	2.00E-01	1.44
0	7.60E-01	1.22
0	7.49E-02	0.34
0	7.49E-02	0.34
77	9.26E-01	1.01
1291	3.21E-01	0.89
261	2.45E-02	0.81
698	2.29E-02	1.24
0	9.02E-01	0.95
0	3.69E-02	5.61
0	3.13E-01	1.49
0	2.50E-01	0.31
0	4.07E-01	1.76
0	6.32E-02	4.88
842	9.59E-01	1.00
842	9.62E-01	1.00
0	5.25E-01	1.26
1	7.14E-01	1.27
0	3.81E-01	2.36
0	3.14E-01	0.60
0	8.41E-01	1.36
111	6.45E-01	0.95
8	6.35E-01	1.09
0	1.07E-01	2.04
0	1.96E-02	3.60
113	9.67E-01	1.00
0	4.75E-01	1.84
2	2.31E-01	0.72
3	2.79E-01	1.42
1340	8.42E-01	0.98
569	9.98E-01	1.00
272	5.40E-01	1.06
2	1.43E-01	0.68
33	2.87E-01	1.16
0	9.76E-01	0.96
2	1.15E-01	0.66
2	8.36E-02	0.63
0	7.03E-01	1.30
26	4.61E-01	1.11
1	4.28E-01	1.61
0	2.52E-01	2.60
0	8.11E-01	0.92

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.88E-01	1.17
0	6.85E-01	0.62
66	2.26E-01	0.86
0	4.85E-01	0.59
0	7.30E-01	0.80
4	6.42E-01	0.89
34	6.35E-01	1.06
2	6.32E-02	1.66
0	1.04E-01	4.50
0	4.62E-01	1.96
587	6.65E-01	0.96
0	4.10E-01	2.43
315	3.64E-01	1.09
0	2.02E-01	0.21
36	2.19E-01	0.85
0	5.65E-01	1.84
0	7.02E-01	1.30
183	6.68E-01	1.04
0	8.61E-01	0.81
0	1.95E-01	4.16
0	4.54E-03	5.39
0	5.59E-01	1.57
0	6.41E-01	1.70
466	9.25E-01	1.01
0	1.55E-02	8.54
0	1.21E-01	0.14
320	9.59E-01	1.00
0	4.62E-01	0.78
0	9.08E-01	1.15
0	3.35E-01	0.26
0	8.06E-01	1.33
0	8.66E-02	6.62
171	9.99E-01	1.00
1715	9.80E-01	1.00
0	1.54E-01	4.49
0	1.66E-01	5.59
0	6.24E-01	0.48
11	2.36E-01	0.82
0	4.25E-01	2.80
0	5.63E-01	0.75
0	1.28E-01	3.11
0	6.69E-01	0.77
0	5.49E-01	1.45

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.63E-01	1.14
825	9.23E-01	0.99
0	3.68E-01	0.66
0	7.42E-02	0.13
0	2.09E-01	2.68
0	2.39E-01	0.55
0	5.01E-01	0.78
722	8.97E-01	0.99
0	5.20E-02	8.39
0	9.80E-01	0.99
0	3.19E-02	4.33
0	4.32E-01	0.68
0	9.03E-01	1.08
0	7.83E-02	7.19
0	1.22E-01	4.33
3	6.77E-01	0.90
114	3.67E-01	1.10
0	4.20E-01	0.34
0	5.69E-01	0.54
0	4.80E-01	0.47
0	5.13E-01	0.67
484	9.77E-01	1.00
0	1.65E-01	2.80
404	9.79E-01	1.00
2	8.12E-01	1.14
1	4.34E-01	0.63
0	9.23E-01	1.09
206	1.50E-01	0.87
0	9.44E-01	1.03
0	4.99E-01	1.97
2	1.66E-01	1.42
0	4.16E-02	8.30
0	7.51E-01	1.21
0	2.07E-01	1.89
6	1.39E-01	0.71
125	6.89E-01	0.96
0	7.89E-01	1.26
0	6.02E-01	1.75
18	4.49E-01	1.13
0	7.35E-01	0.79
0	9.04E-01	1.15
0	9.33E-01	1.07
0	7.14E-01	0.57

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.20E-01	0.62
0	2.21E-01	1.86
2	1.24E-01	0.63
248	3.96E-01	0.92
1751	7.85E-01	1.06
0	8.86E-02	0.11
0	4.43E-01	1.78
72	4.11E-01	1.10
0	5.57E-01	0.54
0	4.81E-01	0.70
0	5.70E-02	6.61
0	8.81E-01	1.15
0	8.39E-01	1.08
296	4.14E-01	1.08
7	1.93E-01	1.38
22	1.33E-02	1.40
0	4.92E-01	0.59
0	6.96E-01	1.87
0	9.64E-02	2.01
0	7.72E-01	0.75
1797	5.98E-01	1.13
1892	3.01E-01	0.63
1	6.24E-01	0.85
1086	8.20E-01	0.98
1002	6.06E-01	0.95
0	8.09E-01	1.44
582	2.37E-01	0.90
591	2.32E-01	0.90
0	1.64E-01	0.22
560	5.12E-01	1.06
0	9.64E-01	0.98
0	5.62E-01	1.23
0	6.22E-01	1.31
2	1.56E-01	1.63
109	6.35E-01	0.95
0	8.32E-01	0.92
1920	8.40E-02	0.14
11	5.50E-01	0.91
1546	6.94E-01	1.06
0	9.34E-01	0.93
0	4.77E-01	2.19
0	2.22E-01	0.72
1	7.82E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

561	2.35E-01	0.90
6	6.29E-02	0.66
0	7.88E-01	0.87
6	3.78E-02	0.62
0	3.73E-01	0.67
2	8.43E-01	1.04
0	1.95E-01	2.55
24	1.66E-01	0.83
4	6.34E-01	0.90
1255	7.62E-01	0.97
1255	7.62E-01	0.97
5	5.77E-02	0.65
0	5.92E-01	1.60
0	7.10E-01	1.47
0	5.02E-01	2.11
0	3.17E-01	0.43
0	2.70E-01	0.36
0	9.75E-01	1.01
863	8.62E-01	0.98
878	8.60E-01	0.98
125	8.45E-01	1.02
0	8.74E-01	1.06
138	4.78E-01	0.93
0	4.24E-01	1.60
369	8.32E-01	1.02
0	8.55E-01	1.16
45	9.11E-01	1.01
0	8.19E-01	1.44
0	1.21E-01	0.13
1	8.34E-01	0.94
0	3.80E-01	3.07
0	8.59E-01	1.17
0	8.19E-01	1.44
0	8.21E-01	1.38
1790	8.01E-01	1.07
0	1.52E-01	1.95
0	7.64E-01	1.17
22	8.62E-01	1.02
0	9.40E-01	0.91
1	9.25E-01	0.95
0	5.02E-01	2.07
21	6.84E-01	0.94
0	7.89E-01	1.22

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.38E-01	0.48
0	7.89E-01	1.22
0	7.68E-01	1.33
3	5.18E-01	1.14
0	8.24E-01	0.73
0	7.74E-02	4.52
0	8.92E-01	1.14
21	9.93E-01	1.00
0	7.90E-01	1.08
0	9.76E-01	1.05
1	7.47E-01	0.74
2	1.39E-01	0.61
0	6.69E-01	1.40
18	6.89E-01	1.06
1	3.92E-01	0.77
0	7.59E-01	1.29
0	5.47E-01	0.44
0	1.58E-01	3.86
0	2.31E-01	2.01
0	8.69E-01	1.18
2	3.35E-01	0.82
0	4.73E-01	0.37
0	8.74E-01	0.82
16	3.02E-02	0.70
1	2.80E-01	0.64
0	4.23E-01	0.36
0	5.06E-01	0.40
57	9.98E-02	0.82
0	9.89E-01	0.99
2	3.05E-01	1.34
0	9.37E-01	1.05
1	7.71E-02	1.69
0	2.57E-01	3.53
0	5.40E-02	4.63
0	3.95E-01	1.80
0	1.26E-01	2.78
340	2.69E-01	0.90
0	1.67E-01	2.80
987	5.99E-02	0.83
0	3.27E-01	2.32
0	1.61E-01	4.75
0	6.64E-01	0.54
0	5.50E-01	1.62

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.89E-01	2.76
0	3.45E-01	0.29
0	4.57E-01	0.61
0	2.66E-02	6.37
0	3.13E-01	0.48
28	3.01E-01	1.15
2	2.35E-01	1.52
0	9.61E-01	1.03
0	1.98E-01	0.21
0	9.90E-01	0.99
1	4.75E-01	0.81
0	3.52E-01	0.37
0	8.08E-01	1.07
25	9.00E-01	1.02
0	6.64E-01	1.24
0	2.51E-01	1.47
0	3.20E-01	2.43
0	3.16E-01	2.59
0	8.77E-01	0.80
0	3.11E-01	2.83
0	6.79E-01	1.38
0	7.90E-01	0.87
676	9.40E-01	0.99
0	1.43E-01	0.19
134	1.42E-01	1.16
49	1.85E-02	0.74
0	3.78E-01	2.58
0	7.89E-01	1.53
6	2.83E-01	0.78
0	9.37E-01	1.13
0	3.40E-01	0.58
1271	9.50E-02	1.22
219	2.56E-01	1.11
0	2.11E-01	4.06
0	7.45E-01	1.37
0	3.32E-01	0.65
298	6.20E-01	1.05
1557	7.07E-01	0.95
4	2.13E-01	1.39
95	2.68E-01	1.13
1442	6.44E-01	0.94
0	9.51E-01	0.95
0	6.74E-01	0.55

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.93E-01	1.68
267	8.66E-01	1.02
0	4.18E-01	1.96
0	2.22E-01	0.28
0	4.02E-01	1.37
0	5.79E-02	8.93
0	1.03E-01	0.28
0	6.71E-01	0.52
0	5.22E-02	0.09
0	3.42E-01	2.90
1	1.86E-01	1.88
779	5.80E-01	1.05
0	9.07E-01	1.12
0	1.89E-01	4.47
0	7.48E-01	0.86
0	7.23E-01	0.81
0	1.15E-01	2.40
0	5.71E-02	3.43
0	7.23E-01	0.68
0	7.90E-01	0.85
386	4.20E-01	0.93
0	1.32E-02	0.25
0	9.51E-01	0.91
0	7.38E-01	0.82
0	5.40E-01	0.54
197	8.46E-01	1.02
0	9.45E-01	0.96
0	5.73E-01	0.61
0	2.67E-02	4.67
0	3.08E-01	2.14
1922	1.00E+00	0.97
3	9.11E-01	1.03
3	8.67E-01	1.04
0	8.08E-01	0.89
0	9.67E-01	1.05
1	8.95E-01	1.07
0	5.70E-01	2.61
0	3.71E-01	0.26
289	6.86E-02	1.18
0	2.02E-01	0.14
0	6.00E-01	0.79
0	9.70E-01	0.98
0	6.33E-01	1.15

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.49E-01	1.54
0	4.19E-01	0.61
0	8.03E-01	1.36
1635	5.74E-01	0.91
0	9.95E-01	1.00
0	5.50E-01	2.02
0	3.38E-02	7.99
6	6.24E-01	0.91
6	7.93E-01	0.95
0	7.59E-01	0.63
7	6.46E-01	0.92
0	3.63E-01	0.30
0	7.04E-01	1.13
2	6.23E-01	0.75
0	9.77E-01	1.02
0	8.97E-01	0.91
0	4.77E-01	2.10
0	2.50E-01	2.34
0	5.01E-01	1.47
2	6.88E-01	0.91
0	3.63E-01	0.30
0	7.37E-01	0.79
0	7.87E-01	0.68
60	8.53E-01	0.98
0	6.02E-01	1.60
0	1.22E-01	2.38
75	7.99E-01	0.97
0	4.96E-01	1.46
1338	1.30E-01	1.21
1318	5.16E-01	1.08
1	5.05E-01	0.77
0	6.77E-02	6.02
0	5.21E-01	1.91
0	9.43E-01	0.91
0	4.17E-01	1.90
0	2.95E-01	2.42
0	6.05E-02	3.43
0	6.44E-01	0.53
0	6.25E-02	9.59
0	9.30E-01	0.92
862	4.31E-01	1.08
0	2.40E-01	0.24
0	4.14E-01	2.16

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

32	7.20E-01	0.95
0	5.71E-01	0.73
0	7.33E-01	0.90
3	8.51E-01	1.05
152	4.87E-02	1.21
0	3.08E-01	3.11
0	2.83E-01	1.31
37	6.02E-01	0.93
0	6.12E-01	0.48
35	7.64E-01	0.96
0	1.28E-04	2.97
1	5.71E-01	1.26
0	7.32E-01	1.42
0	9.06E-01	1.14
37	8.89E-01	1.02
0	3.84E-01	2.58
3	9.15E-01	0.97
979	6.34E-01	1.05
1324	9.81E-01	1.00
1101	5.94E-01	1.06
213	8.02E-01	0.98
0	8.93E-02	4.79
0	9.31E-02	1.90
0	6.23E-01	0.65
0	2.89E-01	0.24
1	9.59E-01	0.95
0	4.28E-01	2.19
0	5.73E-01	0.74
0	4.39E-01	1.67
0	9.57E-01	0.95
0	8.01E-01	0.82
0	8.04E-02	2.56
0	6.15E-01	1.75
0	9.85E-01	1.02
0	5.01E-01	0.39
0	1.92E-01	4.21
0	1.64E-01	1.91
0	2.51E-02	0.27
0	9.59E-01	0.97
195	3.48E-01	0.91
238	7.75E-01	1.03
0	1.76E-01	2.55
0	9.31E-01	0.88

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.23E-01	1.81
0	6.26E-01	0.50
1	8.48E-01	1.05
0	3.24E-01	0.35
1	8.36E-01	0.91
0	6.54E-01	0.81
1424	1.19E-01	0.82
200	4.49E-01	0.93
0	2.83E-02	8.77
0	4.10E-02	0.17
0	4.47E-01	0.36
1	5.38E-01	0.39
0	7.19E-01	1.16
0	1.94E-01	0.33
0	1.48E-01	2.71
0	7.02E-01	1.88
4	2.59E-01	0.75
0	4.36E-01	0.66
0	8.51E-01	0.83
53	7.53E-01	1.04
0	4.29E-01	2.25
0	1.60E-01	1.84
0	9.58E-01	1.05
1	7.31E-01	0.92
2	7.69E-01	0.89
0	3.54E-01	0.33
1	7.82E-02	1.91
0	5.47E-01	0.63
1795	5.65E-02	0.66
0	2.14E-01	2.30
2	8.40E-01	1.06
0	9.28E-01	0.95
1	4.23E-01	1.98
5	5.80E-01	0.88
0	9.28E-01	0.95
0	1.50E-01	1.76
2	7.26E-01	1.09
0	4.98E-01	1.74
1	8.52E-02	1.76
0	3.56E-01	0.36
0	2.05E-01	1.58
53	8.40E-01	0.98
0	5.00E-01	0.55

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	8.87E-01	1.05
0	8.02E-01	0.73
1	7.09E-01	1.41
0	3.99E-02	5.42
2	5.36E-01	1.18
0	3.58E-01	2.13
0	1.32E-01	5.82
460	8.12E-01	1.02
0	5.80E-01	0.56
0	7.99E-01	0.83
0	6.49E-01	1.46
0	4.57E-01	1.39
0	5.00E-01	1.97
2	9.17E-01	1.03
2	8.56E-01	1.12
1322	5.09E-01	1.08
0	1.01E-02	4.27
0	5.03E-01	1.84
0	4.83E-01	0.38
9	5.28E-01	0.90
0	8.52E-01	0.92
254	7.80E-01	0.97
453	3.95E-01	1.08
0	1.64E-01	3.78
453	3.51E-01	1.09
1317	4.09E-01	1.10
1317	4.09E-01	1.10
410	8.51E-01	0.98
0	2.62E-02	3.14
1	7.58E-02	3.16
1318	5.83E-01	1.07
5	1.75E-01	0.69
5	4.65E-01	0.86
0	6.21E-01	1.36
0	5.70E-01	0.46
0	7.65E-01	0.69
0	6.34E-01	1.41
1	6.40E-01	0.69
0	8.15E-02	5.21
1269	5.65E-01	1.07
1	6.94E-01	1.14
0	9.82E-01	0.99
5	8.09E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.45E-02	3.26
0	2.45E-01	1.58
2	9.05E-01	0.96
25	1.93E-01	0.83
0	8.49E-01	0.76
3	5.41E-01	1.21
0	2.70E-01	2.89
0	9.63E-01	0.95
0	5.81E-01	1.59
2	9.68E-01	0.99
0	7.61E-01	1.30
37	2.41E-01	0.86
0	9.84E-01	0.98
161	8.60E-01	0.98
0	5.72E-01	1.41
120	3.20E-01	0.90
120	3.47E-01	0.91
13	5.91E-04	0.53
0	3.74E-02	4.11
417	4.25E-01	0.93
482	8.56E-01	0.98
0	6.08E-01	1.47
167	6.22E-01	1.05
0	5.30E-01	0.43
0	8.79E-01	0.82
176	3.04E-01	1.11
0	5.24E-01	1.40
0	1.56E-01	2.15
0	4.57E-01	1.72
221	9.98E-01	1.00
0	7.05E-01	1.26
0	4.67E-01	0.36
0	6.18E-01	0.49
0	9.17E-01	1.09
1	2.76E-01	0.75
311	3.09E-02	1.22
1	5.26E-01	0.77
46	1.94E-01	1.17
61	3.97E-01	1.11
0	9.33E-01	1.09
37	6.83E-01	0.95
0	5.41E-01	1.25
0	2.70E-01	2.28

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

110	3.01E-01	1.12
0	2.65E-01	0.43
36	6.33E-01	0.94
36	6.17E-01	0.94
0	7.74E-01	0.87
0	2.78E-01	0.64
146	3.04E-02	0.80
146	4.40E-02	0.82
0	2.76E-02	1.98
0	5.08E-01	1.31
0	8.95E-01	1.15
0	9.76E-01	1.04
0	7.86E-01	0.68
0	5.48E-01	0.78
0	7.21E-01	1.17
0	9.25E-01	0.87
21	3.77E-01	0.87
305	5.70E-01	1.05
0	8.40E-01	0.89
27	3.77E-02	0.74
20	1.27E-02	0.67
0	8.08E-01	0.75
0	2.29E-01	0.50
7	4.67E-01	1.14
0	5.57E-01	1.56
0	3.39E-01	1.80
0	5.53E-02	3.22
1754	4.76E-01	1.19
1920	6.89E-01	1.88
689	5.11E-01	0.94
615	5.80E-01	1.05
0	9.71E-01	1.02
2	1.58E-01	0.59
3	4.37E-01	1.20
0	8.86E-01	0.81
0	9.31E-01	0.88
844	8.99E-01	1.01
0	3.41E-01	0.73
170	4.97E-02	0.82
0	3.82E-01	0.45
0	5.03E-01	0.50
0	2.35E-01	3.64
0	2.76E-01	1.99

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.87E-01	0.98
0	8.29E-01	1.13
0	9.34E-01	0.96
3	8.30E-01	1.07
0	2.59E-01	3.81
1647	5.35E-01	1.12
0	1.94E-02	6.85
0	8.80E-01	0.89
0	4.21E-01	2.06
5	5.81E-01	0.89
393	8.30E-01	0.98
0	1.71E-01	2.77
164	1.14E-01	1.17
0	4.93E-01	1.86
164	1.22E-01	1.16
0	3.59E-01	0.71
0	6.84E-01	0.59
0	4.81E-01	0.71
486	6.85E-01	0.96
0	2.20E-01	0.22
0	1.42E-02	6.11
156	6.09E-01	1.05
0	8.91E-01	1.14
740	1.59E-01	0.88
0	9.79E-01	0.96
1	1.50E-01	1.63
0	1.69E-01	0.27
0	4.27E-01	1.88
0	2.38E-02	3.37
15	3.58E-01	0.86
0	5.51E-01	0.70
53	2.51E-01	1.15
1	4.79E-02	0.24
14	2.93E-01	0.84
0	9.17E-01	1.07
14	2.93E-01	0.84
0	5.51E-01	0.70
0	6.46E-01	0.74
14	3.11E-01	0.85
14	3.57E-01	0.86
4	9.43E-01	0.99
1	6.65E-01	1.13
0	7.45E-01	0.68

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

316	8.28E-01	1.02
4	8.17E-01	0.96
4	8.17E-01	0.96
50	9.88E-01	1.00
15	3.56E-01	0.86
0	1.23E-01	1.99
50	9.85E-01	1.00
4	8.17E-01	0.96
5	8.17E-01	0.96
15	3.55E-01	0.86
0	8.82E-01	1.11
0	3.50E-01	0.41
53	2.94E-01	1.14
0	7.02E-01	1.45
4	8.17E-01	0.96
4	8.17E-01	0.96
0	2.58E-01	0.30
14	3.57E-01	0.86
0	2.58E-01	0.30
4	8.17E-01	0.96
0	3.50E-01	0.41
0	3.36E-01	2.95
0	2.37E-01	0.42
1	4.54E-01	1.26
23	8.35E-01	0.97
32	8.84E-01	1.02
1	4.66E-01	0.77
93	5.41E-01	0.94
0	3.80E-01	0.69
0	8.43E-01	1.13
0	7.16E-01	0.67
0	6.58E-01	1.48
0	7.76E-01	0.92
881	3.76E-01	1.09
1	5.91E-01	0.82
17	5.61E-01	1.09
0	1.94E-01	0.54
71	5.66E-01	0.94
0	7.59E-01	0.71
0	8.16E-01	1.17
1	2.06E-01	2.08
1609	3.73E-01	0.87
1737	6.94E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.43E-01	2.70
0	9.99E-01	1.00
0	1.67E-01	4.21
1193	6.69E-02	0.82
0	8.72E-01	1.18
0	7.50E-01	0.85
1388	4.62E-01	1.10
0	5.54E-01	1.84
0	4.40E-01	2.31
0	8.28E-01	1.22
0	2.61E-01	2.13
1333	8.18E-02	1.24
985	4.53E-01	1.08
11	5.47E-01	1.10
22	4.42E-01	1.12
0	4.39E-01	0.34
36	6.98E-01	0.95
0	6.18E-01	1.65
90	1.80E-02	0.77
369	3.23E-01	0.91
546	2.30E-01	0.90
0	4.47E-01	1.67
0	6.37E-01	0.52
0	3.53E-01	0.51
0	2.57E-01	0.53
0	9.55E-02	0.12
3	7.78E-02	0.65
0	3.80E-01	1.46
21	5.15E-01	1.10
0	7.19E-01	0.79
0	3.00E-01	2.01
3	2.91E-02	0.61
31	2.25E-01	0.84
0	1.83E-01	2.77
0	6.08E-01	1.27
0	1.52E-01	0.29
506	9.21E-01	0.99
0	8.47E-01	0.89
0	4.80E-01	2.59
314	9.46E-01	1.01
0	5.59E-01	0.76
0	1.28E-01	2.31
88	5.92E-02	1.22

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.15E-03	5.47
0	5.66E-01	0.70
0	5.12E-01	1.97
0	5.53E-01	1.25
2	4.03E-01	1.21
0	6.03E-01	1.27
0	4.61E-01	2.23
0	2.10E-01	0.45
0	3.65E-01	0.31
0	3.44E-01	2.24
0	3.44E-01	2.24
0	1.21E-01	0.26
0	6.88E-01	0.65
0	8.22E-02	3.92
14	2.72E-01	0.83
0	8.01E-01	1.29
1	2.16E-01	1.70
809	8.54E-01	1.02
45	6.87E-01	1.05
1	3.23E-01	1.60
0	7.66E-01	0.77
234	8.54E-01	1.02
232	7.90E-01	1.03
0	4.52E-01	1.59
809	8.42E-01	1.02
0	9.03E-01	1.10
10	8.41E-01	0.96
0	5.78E-01	0.55
0	9.36E-01	1.04
13	5.17E-01	1.11
0	3.26E-01	1.43
33	6.87E-01	1.06
3	8.64E-01	0.96
0	2.78E-01	1.89
0	8.16E-01	1.19
0	3.91E-01	1.84
0	2.79E-01	3.20
0	4.64E-01	0.66
0	8.36E-01	1.36
1920	9.00E-01	1.23
0	8.28E-01	0.73
0	1.68E-01	0.17
570	2.81E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.47E-01	1.20
0	8.29E-01	1.19
0	9.01E-01	0.86
0	4.11E-01	0.44
1	4.82E-01	1.20
0	8.84E-01	1.26
165	8.33E-01	1.02
0	8.59E-01	1.18
0	7.35E-01	1.49
0	3.90E-01	3.00
102	6.62E-02	0.82
0	1.65E-01	0.12
0	3.91E-01	1.42
0	1.64E-01	1.93
3	4.53E-01	1.21
2	1.70E-01	1.36
0	6.93E-01	1.25
1922	1.00E+00	0.97
0	4.47E-01	1.50
0	4.47E-01	1.50
0	4.11E-01	1.51
0	9.66E-01	1.02
58	6.86E-01	1.05
0	6.09E-01	0.67
0	6.22E-02	0.17
0	6.77E-02	6.88
0	8.17E-01	0.72
6	4.73E-01	0.86
0	9.46E-01	0.92
0	5.81E-01	0.52
4	4.30E-01	1.20
0	3.14E-01	0.66
0	9.20E-01	1.07
357	1.94E-01	1.12
133	7.06E-01	0.96
1	5.07E-01	1.28
0	6.15E-01	1.37
114	1.76E-01	1.15
115	1.80E-01	1.15
7	6.76E-01	1.09
0	9.51E-01	0.91
0	8.73E-01	0.81
285	4.16E-01	1.08

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1010	9.77E-01	1.00
81	9.99E-01	1.00
0	3.60E-01	0.32
85	5.21E-01	0.93
828	4.88E-01	0.94
84	9.61E-01	0.99
9	1.67E-01	0.78
96	5.66E-01	1.06
937	3.31E-01	1.10
4	5.76E-01	1.15
1	3.62E-01	1.54
0	7.49E-01	0.72
3	5.28E-01	0.86
525	1.33E-02	0.80
0	6.58E-01	0.74
0	5.58E-01	1.43
0	7.54E-01	1.23
7	1.15E-01	1.36
1	5.75E-01	1.22
6	6.50E-01	0.92
9	8.77E-01	1.02
0	2.83E-01	1.66
13	2.92E-01	1.17
642	1.96E-01	1.13
1	3.95E-01	0.69
0	7.44E-01	0.89
0	1.12E-01	4.65
311	2.92E-01	1.10
0	5.64E-02	5.37
154	3.17E-01	0.90
0	6.48E-01	1.61
0	1.31E-01	0.28
0	6.57E-01	1.60
0	2.25E-01	1.64
0	8.37E-01	0.74
0	8.19E-01	0.74
0	8.21E-01	1.14
0	7.21E-01	1.38
0	8.04E-01	1.28
6	4.18E-02	1.54
129	8.90E-01	0.99
0	3.63E-01	1.38
0	1.31E-01	0.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.61E-01	0.93
4	5.12E-01	0.88
0	2.30E-01	0.54
0	2.59E-01	1.56
0	4.31E-01	2.38
0	8.85E-01	0.81
0	3.72E-02	3.18
5	3.37E-01	0.82
157	6.42E-01	0.95
0	8.03E-02	0.20
5	3.82E-01	0.83
1	4.29E-01	0.84
0	9.61E-01	1.03
0	5.52E-03	6.15
23	5.64E-01	1.09
0	5.99E-01	1.39
0	6.72E-02	0.28
6	2.11E-01	0.79
90	7.75E-01	1.03
0	8.39E-01	1.12
673	7.23E-01	0.97
61	6.89E-01	1.05
0	5.53E-01	0.42
0	1.19E-01	1.73
0	5.77E-01	1.29
0	8.25E-01	0.89
0	9.00E-01	0.83
0	9.57E-01	0.97
0	7.43E-01	1.26
0	8.46E-01	0.87
0	9.78E-01	1.01
0	9.26E-01	0.94
0	3.57E-01	0.36
0	2.89E-01	1.68
0	8.50E-01	1.07
156	8.70E-01	0.98
0	7.58E-01	0.84
0	4.98E-01	2.03
0	8.81E-01	0.92
1	6.69E-01	1.32
0	3.40E-01	0.32
0	3.91E-01	0.57
0	8.42E-01	0.78

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.98E-01	1.00
0	8.45E-01	0.90
782	4.65E-01	1.07
920	1.62E-01	1.15
0	1.75E-01	0.46
961	3.24E-01	1.10
0	8.96E-01	1.10
0	6.13E-01	0.57
922	2.38E-01	1.12
0	5.65E-01	1.77
1	2.70E-01	0.56
0	6.98E-01	1.26
0	7.46E-01	0.69
0	3.49E-01	2.62
0	9.54E-01	1.09
0	4.19E-01	2.65
0	7.05E-01	0.79
1	5.31E-01	1.47
0	4.80E-01	1.45
1	1.02E-01	1.68
0	4.25E-01	2.24
0	4.26E-02	0.24
0	9.80E-02	0.07
0	1.09E-01	1.82
0	9.25E-01	0.87
1	7.12E-01	1.20
0	3.43E-01	1.82
0	6.45E-01	0.85
1922	1.00E+00	0.97
0	2.69E-01	3.51
0	9.80E-01	1.02
0	7.19E-01	1.77
0	8.75E-01	0.90
0	9.91E-01	0.99
0	1.09E-02	0.44
0	4.27E-01	0.59
0	4.85E-01	2.14
0	9.35E-01	0.90
7	6.32E-02	0.71
57	6.97E-01	1.05
0	7.29E-01	1.45
1	2.98E-01	1.50
2	1.00E+00	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

525	7.25E-01	0.97
1737	3.85E-01	1.22
0	4.69E-01	2.15
1	2.55E-02	1.76
1254	2.61E-01	1.14
0	8.60E-01	0.89
0	8.95E-01	1.13
0	9.38E-02	3.76
1	3.59E-01	0.33
1327	9.62E-01	0.99
0	1.81E-03	0.12
0	1.99E-02	0.28
0	5.34E-01	0.59
0	7.73E-01	1.32
0	7.86E-01	1.29
4	3.32E-01	1.21
0	1.96E-01	0.47
0	3.66E-01	2.00
0	2.33E-01	3.35
2	3.37E-01	1.26
1921	5.09E-01	0.30
0	1.32E-01	0.18
0	4.63E-01	2.05
0	2.60E-01	3.33
0	6.85E-01	1.50
0	4.04E-01	1.77
0	2.22E-01	0.28
8	3.99E-01	1.16
0	4.42E-01	1.58
0	9.50E-01	1.05
0	3.96E-01	1.33
0	6.61E-01	0.68
5	8.40E-01	1.04
5	7.34E-01	1.06
0	9.49E-03	0.07
0	1.19E-02	0.07
416	4.74E-01	0.94
0	2.84E-01	2.75
0	1.90E-01	2.08
16	6.29E-01	1.08
352	8.86E-01	0.99
0	2.84E-01	2.75
343	2.06E-01	1.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

39	1.37E-01	1.20
0	1.52E-01	2.08
0	8.76E-01	1.28
1	7.74E-01	0.77
0	6.44E-01	2.46
0	5.30E-01	0.43
2	9.16E-01	1.02
0	7.37E-02	4.25
0	4.65E-01	0.58
0	3.20E-01	2.08
0	3.73E-01	1.48
58	8.44E-01	1.02
0	3.10E-01	3.00
0	9.36E-01	1.08
0	9.48E-01	1.06
0	5.33E-01	1.24
0	4.62E-01	0.37
179	1.92E-01	0.88
1	7.20E-01	1.08
1	7.91E-01	1.06
0	1.37E-01	3.17
0	4.64E-01	0.39
0	3.54E-01	2.38
0	8.50E-01	0.81
0	3.36E-01	0.53
2	7.07E-01	0.85
1	9.79E-01	0.98
0	3.54E-01	2.10
256	9.74E-03	0.78
1	5.89E-01	1.33
2	2.35E-01	0.72
0	6.58E-01	1.20
1	3.18E-01	0.73
26	3.27E-01	1.14
2	2.88E-01	1.32
50	5.24E-01	0.93
0	2.77E-01	0.46
323	5.74E-01	0.95
0	6.99E-01	0.67
0	4.96E-01	0.69
0	5.92E-01	1.27
0	7.17E-01	1.44
0	3.38E-01	3.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.65E-01	0.96
126	8.38E-02	0.83
1	1.86E-01	0.34
2	8.02E-01	0.94
0	9.40E-01	1.05
0	4.64E-01	0.35
0	7.24E-01	1.61
34	5.69E-01	0.92
0	3.77E-02	2.93
0	8.41E-01	1.24
0	4.02E-01	2.21
869	9.14E-01	1.01
1	8.22E-01	1.08
14	8.66E-01	0.97
0	5.65E-01	0.65
6	7.84E-01	1.06
0	5.47E-01	2.14
0	7.46E-02	0.14
0	4.32E-01	0.52
0	2.68E-01	2.44
0	6.66E-01	1.35
0	4.12E-01	1.41
0	3.52E-01	0.54
0	4.07E-01	0.63
0	8.86E-01	1.16
3	1.91E-01	0.76
278	3.65E-01	1.09
1	7.26E-01	1.30
1	7.26E-01	1.30
0	3.24E-01	0.46
0	5.68E-01	1.95
1907	5.79E-01	1.48
70	8.60E-01	0.98
0	6.95E-01	1.26
1074	6.89E-01	0.96
2	3.30E-01	0.64
0	7.43E-01	1.58
1708	6.65E-02	0.72
0	1.84E-01	0.19
1903	9.83E-01	0.99
104	6.77E-01	1.04
0	2.70E-02	6.93
0	5.19E-01	0.63

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

22	6.68E-01	1.06
7	1.76E-01	1.32
702	3.78E-01	1.09
335	2.23E-01	0.89
0	6.78E-01	0.63
0	3.60E-01	1.63
0	8.60E-02	4.92
0	6.98E-02	8.92
0	9.41E-01	1.12
0	9.45E-01	0.94
0	8.22E-01	1.16
0	9.58E-01	0.93
1256	5.35E-02	0.81
36	3.03E-01	1.15
1	5.54E-01	1.35
0	1.25E-01	3.27
1922	1.00E+00	0.97
0	2.75E-01	2.12
0	9.06E-02	3.21
0	9.50E-01	0.96
0	6.94E-01	0.65
0	1.65E-01	1.55
1	4.90E-01	0.83
0	6.90E-01	1.20
0	8.75E-01	0.86
102	4.65E-01	1.08
0	3.71E-01	1.55
0	6.24E-01	0.53
28	9.66E-01	1.01
0	3.03E-01	2.65
26	2.06E-01	1.20
0	6.19E-04	7.12
1	5.95E-01	0.73
16	3.42E-01	1.16
1	7.42E-01	0.87
0	2.44E-01	3.20
1	4.79E-01	0.79
1	4.21E-01	1.60
0	5.37E-01	0.52
0	7.91E-01	0.77
0	7.60E-01	0.80
0	9.20E-01	0.87
0	6.46E-01	0.67

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

18	9.57E-01	1.01
1	8.04E-01	1.20
2	6.00E-01	1.15
0	9.22E-01	1.06
144	7.46E-02	0.83
0	2.74E-01	1.41
0	2.73E-01	1.41
398	3.55E-01	1.09
397	2.84E-01	1.10
397	2.50E-01	1.11
0	4.42E-01	2.04
0	8.17E-01	1.17
44	1.06E-01	1.23
2	5.03E-01	0.82
753	8.61E-01	0.98
3	9.72E-01	1.01
0	1.41E-01	5.75
0	6.83E-01	1.55
0	4.94E-01	0.42
0	2.83E-01	2.38
0	3.21E-01	0.28
0	4.72E-01	2.03
1	8.82E-01	0.95
0	6.85E-01	1.46
0	6.39E-01	2.16
0	3.63E-02	6.14
0	7.28E-01	0.65
1170	9.95E-01	1.00
7	9.20E-01	1.02
0	8.76E-01	0.82
0	2.70E-01	3.08
0	1.55E-01	4.93
1922	1.00E+00	0.97
0	3.50E-01	1.73
3	6.39E-02	0.61
71	3.17E-02	0.77
0	1.88E-01	2.12
0	1.67E-01	4.67
1	7.59E-01	0.89
1	4.16E-01	0.66
0	2.66E-01	1.92
0	3.61E-01	0.78
146	1.63E-01	1.15

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1921	1.67E-01	0.18
1	7.35E-01	0.92
0	1.47E-01	2.82
0	2.15E-02	0.14
1	1.20E-01	1.50
0	1.85E-01	0.15
0	4.35E-01	1.41
0	5.44E-01	1.85
0	1.66E-01	4.92
44	7.37E-01	1.04
1457	7.00E-01	0.95
46	7.28E-01	1.04
45	7.85E-01	1.03
0	9.99E-02	0.10
0	5.80E-01	0.53
0	5.16E-01	1.74
3	1.83E-01	1.31
0	8.28E-01	1.24
0	9.32E-01	0.97
0	9.17E-01	1.16
0	5.69E-01	1.42
0	6.58E-01	1.50
0	3.47E-01	1.66
0	8.43E-01	0.81
426	3.90E-02	0.83
426	3.90E-02	0.83
0	2.87E-01	3.36
944	1.78E-01	0.88
0	6.03E-01	0.76
948	1.85E-01	0.88
0	7.29E-01	0.86
0	9.59E-01	0.97
0	4.63E-01	1.96
1432	4.41E-01	0.91
0	4.62E-01	0.35
0	7.02E-01	1.48
102	1.78E-01	1.15
0	4.14E-01	1.88
0	7.18E-01	0.81
1920	3.22E-01	0.15
94	5.96E-01	1.06
14	1.85E-01	1.22
0	4.63E-01	1.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.48E-01	1.37
0	1.31E-01	1.80
0	4.78E-01	0.47
0	7.52E-01	1.24
0	8.64E-01	0.92
578	6.17E-02	0.85
0	7.73E-01	0.72
0	2.64E-01	2.16
1	5.06E-01	1.35
578	5.80E-02	0.84
578	5.82E-02	0.84
579	5.77E-02	0.84
0	9.95E-01	1.00
0	8.14E-01	0.76
4	2.25E-01	1.36
0	7.50E-01	0.87
1	7.01E-01	1.21
0	6.52E-01	0.60
0	9.78E-01	0.97
0	3.54E-01	1.87
0	9.35E-01	0.93
0	7.29E-01	1.18
0	4.80E-01	2.15
0	9.47E-01	0.94
0	9.47E-01	0.94
0	9.47E-01	0.94
0	9.47E-01	0.94
0	9.47E-01	0.94
2	6.56E-01	0.88
0	1.76E-01	4.63
0	5.92E-01	1.53
0	7.53E-01	0.74
0	5.07E-01	0.60
0	8.17E-01	0.90
0	4.51E-01	0.72
4	7.07E-01	1.08
11	2.90E-01	1.19
0	8.91E-01	1.25
0	1.38E-01	4.04
11	2.93E-01	1.19
0	3.62E-01	1.58
0	7.04E-01	1.47
0	4.78E-01	0.47

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

70	2.18E-01	1.15
0	7.92E-01	1.29
68	1.88E-01	1.16
68	1.88E-01	1.16
0	1.03E-01	2.41
0	7.90E-01	0.89
0	9.82E-01	0.99
115	7.39E-02	0.83
0	6.40E-01	1.80
0	1.71E-01	3.33
66	1.05E-01	1.21
1	2.51E-01	1.38
29	1.18E-02	1.41
1	1.63E-01	1.55
0	1.00E-01	7.38
647	4.37E-01	1.07
50	3.56E-01	1.12
66	1.04E-01	1.21
1	1.63E-01	1.55
68	8.00E-02	1.22
0	2.84E-01	2.72
219	8.08E-01	0.98
10	1.93E-01	0.79
0	3.75E-01	1.50
69	9.12E-02	1.21
0	1.11E-01	3.06
0	5.86E-01	0.71
0	6.77E-02	0.48
70	9.57E-02	1.21
1	2.33E-01	1.40
0	1.28E-01	0.17
0	8.33E-01	0.81
0	1.91E-01	3.05
0	8.22E-01	1.24
0	7.99E-01	0.75
0	6.52E-01	0.60
1	6.88E-01	1.16
0	9.82E-01	0.99
0	9.82E-01	0.99
76	8.55E-01	1.02
0	2.15E-01	0.23
1	8.73E-01	1.07
1837	2.29E-01	0.71

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	6.89E-01	1.09
0	5.65E-01	1.46
0	7.53E-02	0.46
31	6.01E-01	1.07
1	9.16E-01	0.97
0	6.26E-01	1.73
2	6.68E-01	1.11
2	6.71E-01	1.11
0	7.72E-01	0.81
0	8.49E-01	0.82
0	6.12E-01	1.73
0	6.90E-01	1.31
0	9.95E-01	1.00
19	8.26E-01	1.03
30	7.61E-01	1.04
0	3.15E-02	7.36
0	9.95E-01	1.00
0	2.02E-01	4.21
1922	1.00E+00	0.97
2	9.69E-01	1.01
379	8.00E-01	0.98
0	5.59E-01	2.25
0	5.40E-01	0.75
0	4.89E-01	0.40
0	4.94E-01	1.52
0	2.13E-01	2.07
77	9.11E-01	0.99
0	6.78E-01	1.33
0	7.59E-01	0.70
0	6.15E-01	0.82
0	6.78E-01	1.33
0	3.79E-01	1.40
0	9.49E-01	0.95
1	7.95E-01	1.09
0	3.34E-01	1.89
2	9.27E-02	1.55
33	8.43E-01	0.97
0	6.78E-01	1.33
4	3.33E-01	0.80
0	2.02E-01	0.51
0	4.09E-01	0.33
0	1.85E-01	3.38
0	7.73E-01	1.33

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.82E-01	0.66
96	8.95E-01	0.99
0	4.65E-01	0.51
8	4.12E-01	0.87
0	6.78E-01	1.33
0	6.78E-01	1.33
53	6.17E-01	1.06
0	6.78E-01	1.33
2	9.60E-01	1.01
13	6.79E-01	1.07
0	7.73E-01	0.80
0	1.66E-01	3.25
0	4.43E-01	0.56
0	4.74E-01	2.12
0	2.95E-01	0.49
0	6.81E-01	0.72
0	6.12E-01	1.73
1	7.95E-01	1.09
0	5.96E-01	0.61
0	6.44E-01	1.40
0	7.32E-01	0.71
0	5.42E-01	0.43
0	5.05E-01	2.01
96	6.06E-01	1.06
0	9.03E-01	1.10
0	1.32E-02	0.06
0	9.04E-01	0.86
315	4.68E-01	0.94
72	3.36E-01	0.90
72	5.58E-01	0.94
0	7.86E-01	0.92
1	4.74E-01	1.26
0	7.71E-01	0.82
0	3.30E-01	0.33
0	7.71E-01	0.82
14	2.82E-01	1.21
1	3.65E-02	2.91
0	7.10E-01	1.38
0	5.87E-01	0.47
0	6.28E-01	0.66
34	3.54E-01	1.13
1	4.55E-01	0.78
0	1.54E-01	0.25

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.88E-01	0.57
10	1.00E+00	1.00
12	1.84E-01	1.24
216	8.31E-02	0.85
1	5.15E-01	0.83
0	6.33E-01	1.56
173	1.68E-01	0.87
514	3.03E-01	1.10
0	7.00E-01	0.80
0	5.25E-02	0.30
0	5.39E-01	0.83
0	6.90E-01	1.25
0	4.32E-01	0.37
0	1.42E-01	2.61
0	3.14E-01	1.30
0	8.13E-02	4.07
1	1.57E-01	0.65
89	1.60E-01	1.17
0	9.14E-01	1.05
0	1.69E-01	0.63
0	6.19E-01	0.54
0	1.52E-01	2.48
2	3.59E-01	0.66
0	8.07E-01	1.24
0	8.37E-01	0.71
1	6.76E-01	0.90
0	4.38E-01	0.36
0	9.98E-01	1.00
755	5.44E-01	1.06
0	1.37E-01	5.75
1922	1.00E+00	0.97
45	9.44E-01	0.99
787	3.17E-01	1.10
144	8.11E-01	0.98
143	8.69E-01	0.98
0	1.06E-01	0.16
144	9.13E-01	0.99
0	9.83E-01	1.01
0	8.61E-01	1.15
2	3.18E-01	1.56
0	9.08E-01	1.09
0	9.08E-01	1.09
0	9.08E-01	1.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.08E-01	1.09
0	9.58E-01	1.05
0	2.40E-01	0.32
0	3.74E-01	2.12
11	8.57E-01	1.03
0	9.43E-01	0.92
1	2.14E-02	2.46
0	1.70E-01	0.44
0	2.33E-01	3.39
0	7.23E-02	0.26
0	6.01E-01	0.80
24	7.86E-01	1.04
662	6.66E-02	0.85
4	5.99E-01	1.15
536	2.01E-02	0.81
0	9.99E-01	1.00
535	3.60E-02	0.83
543	4.10E-02	0.83
0	3.07E-01	2.46
30	9.94E-01	1.00
543	4.28E-02	0.84
0	5.57E-01	1.72
0	8.58E-02	2.55
747	5.71E-02	0.84
0	4.56E-01	1.73
18	9.74E-01	0.99
0	1.88E-01	3.51
1	7.97E-01	1.07
0	6.71E-01	0.64
0	8.32E-01	1.25
0	9.99E-02	6.59
134	1.41E-01	0.86
0	3.82E-01	0.27
0	9.22E-01	0.91
0	6.52E-01	0.51
659	6.81E-01	0.96
0	8.96E-01	0.93
0	5.38E-01	1.84
0	4.47E-01	1.75
0	8.48E-01	0.85
0	1.21E-01	0.17
0	3.25E-01	2.81
0	2.51E-01	0.62

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	8.95E-01	1.03
0	4.97E-01	0.71
64	3.99E-01	1.11
0	1.40E-01	3.60
258	6.30E-01	1.05
4	3.70E-01	1.20
9	1.62E-01	1.25
467	4.99E-01	0.94
9	1.29E-01	1.28
49	7.51E-01	0.96
0	8.43E-01	1.21
4	9.58E-01	1.01
14	9.25E-01	0.98
3	5.14E-01	0.84
0	8.30E-01	1.17
0	3.51E-02	5.13
0	3.64E-01	2.77
0	2.85E-01	2.35
3	6.32E-01	0.87
0	6.05E-01	0.45
0	4.95E-01	1.39
0	8.91E-01	1.10
0	4.62E-01	0.38
0	6.32E-01	0.53
1	9.34E-01	1.03
1880	5.74E-01	0.79
48	6.17E-01	1.06
858	8.38E-01	1.02
1231	5.72E-01	1.07
0	9.07E-01	1.14
0	1.59E-01	2.38
0	3.08E-01	0.24
0	6.27E-01	1.35
1	7.60E-01	0.89
36	5.59E-01	1.08
0	8.93E-01	0.94
14	9.60E-02	0.74
1270	4.18E-01	1.10
0	7.47E-03	0.05
0	2.78E-01	2.62
0	9.80E-01	1.01
0	4.38E-01	0.35
0	4.64E-01	0.47

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	8.79E-01	0.96
1	2.94E-01	0.66
0	9.24E-01	1.11
0	9.50E-01	1.04
1919	3.88E-01	0.20
0	5.60E-01	1.82
0	4.21E-01	0.54
0	8.17E-03	0.04
0	6.63E-01	0.73
0	6.15E-01	1.23
0	2.40E-01	0.23
0	6.17E-01	1.78
0	9.69E-01	0.96
101	2.17E-01	0.88
0	2.21E-01	4.90
0	4.14E-01	0.69
0	8.87E-01	1.14
140	9.88E-01	1.00
0	7.30E-01	1.48
0	1.76E-01	2.73
0	9.08E-01	1.05
1	7.47E-01	1.14
0	8.06E-01	0.79
1866	4.39E-01	0.76
2	4.90E-01	1.14
0	4.79E-01	0.80
0	8.76E-01	0.87
0	8.54E-01	0.96
0	8.42E-01	1.32
0	5.05E-01	0.58
26	8.36E-01	1.03
0	2.57E-01	2.92
2	3.20E-01	1.28
0	2.66E-01	0.25
5	7.76E-01	1.06
2	1.63E-01	1.44
764	9.67E-02	1.17
842	6.70E-02	1.19
19	8.67E-01	0.97
0	8.27E-01	1.23
1	6.88E-01	0.91
27	7.92E-01	0.96
0	3.06E-02	0.18

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.10E-01	1.32
0	6.23E-01	0.52
0	2.18E-01	0.37
0	9.34E-01	1.09
0	7.81E-01	1.33
0	7.51E-02	5.78
599	1.34E-01	1.15
0	5.77E-01	0.47
0	5.59E-01	0.66
0	9.85E-01	1.02
1029	4.88E-01	0.93
0	5.58E-01	1.55
1033	7.26E-01	0.96
4	6.53E-01	1.12
86	2.84E-01	0.89
0	5.94E-01	0.74
0	8.85E-01	0.84
1895	9.64E-01	0.97
0	3.01E-01	0.27
0	9.90E-01	0.99
0	4.98E-01	1.59
2	5.43E-02	0.64
1890	2.64E-01	1.96
535	2.67E-01	0.90
0	2.03E-01	3.22
0	4.70E-01	1.94
0	2.87E-01	0.23
551	3.60E-01	0.92
552	3.11E-01	0.91
0	6.56E-02	7.16
552	3.10E-01	0.91
2	2.79E-03	0.42
0	8.17E-01	1.28
0	9.56E-01	0.94
0	1.04E-01	3.20
0	5.77E-01	0.73
0	6.35E-01	0.65
0	5.63E-02	2.60
0	3.66E-01	0.31
2	4.46E-01	1.29
1914	4.00E-01	2.28
74	5.03E-01	1.08
74	5.03E-01	1.08

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	4.48E-01	1.24
74	5.61E-01	1.07
0	9.22E-01	0.93
0	1.15E-01	3.89
0	2.99E-01	2.88
11	8.45E-01	0.97
760	9.49E-01	0.99
0	2.10E-01	3.98
0	4.87E-01	1.76
0	1.45E-01	4.93
1	1.29E-01	1.76
10	5.22E-02	0.72
4	5.06E-01	1.15
8	2.29E-02	1.44
0	5.59E-03	7.50
1	1.67E-01	1.70
0	8.16E-01	1.20
1611	3.06E-02	0.73
0	6.73E-01	1.31
0	2.95E-02	8.33
0	4.59E-01	1.39
0	2.95E-02	8.33
0	7.51E-01	1.29
1038	6.51E-01	0.95
3	7.92E-01	1.08
0	3.52E-01	0.54
6	6.25E-01	1.10
1662	9.93E-01	1.00
0	9.96E-01	1.00
172	7.94E-01	0.97
87	2.75E-01	1.13
0	6.05E-03	0.03
1373	2.62E-01	1.15
0	4.33E-01	2.40
714	6.97E-01	0.97
114	1.45E-01	1.16
0	7.17E-01	1.15
0	4.72E-01	0.38
0	5.49E-01	0.43
1307	6.43E-01	0.95
1	5.92E-01	0.74
0	2.70E-01	0.40
30	2.79E-01	1.15

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.22E-01	0.76
0	3.82E-01	0.69
0	3.57E-01	1.48
0	6.24E-01	0.54
1922	1.00E+00	0.97
0	1.83E-01	0.45
82	3.73E-01	1.10
0	8.95E-01	1.09
0	8.32E-01	1.33
0	9.36E-01	1.04
0	6.83E-01	0.81
79	4.59E-01	1.09
30	6.84E-01	1.05
0	6.33E-01	1.90
0	7.07E-01	1.16
234	4.71E-01	1.07
0	7.92E-01	0.82
0	1.50E-01	2.40
0	6.78E-01	1.35
1	2.79E-03	0.39
1	3.10E-01	1.75
36	9.39E-01	1.01
0	5.01E-01	2.18
0	4.76E-01	1.95
27	4.93E-01	0.91
264	5.49E-01	0.94
811	7.00E-01	0.96
0	9.84E-01	1.02
0	8.27E-01	1.18
0	6.03E-01	0.58
3	6.39E-01	1.13
0	2.12E-01	4.34
0	9.74E-01	0.98
0	6.04E-01	0.58
0	3.26E-01	0.29
1	5.51E-01	0.79
17	4.26E-01	1.13
0	5.32E-02	0.12
0	2.46E-01	0.25
1075	5.67E-01	0.94
0	7.83E-01	1.15
0	1.30E-01	1.90
0	8.33E-01	0.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.62E-01	1.32
1	5.28E-01	1.19
0	9.65E-01	0.93
1	5.28E-01	1.19
0	9.97E-01	1.01
1	7.80E-01	0.91
1291	7.37E-01	1.04
0	5.50E-01	3.21
0	3.40E-01	0.62
0	7.34E-01	1.25
0	4.30E-01	0.36
7	9.99E-01	1.00
26	7.01E-01	0.95
0	2.96E-01	1.47
9	4.04E-01	1.17
1	7.73E-02	2.61
104	3.28E-01	1.11
0	7.04E-01	2.04
0	6.87E-01	1.65
1	6.15E-01	1.15
0	3.21E-01	1.66
0	9.55E-01	1.05
1	6.88E-01	1.27
0	6.03E-01	1.54
0	5.67E-01	0.55
0	7.19E-01	0.72
0	9.12E-01	1.06
0	9.52E-01	1.07
58	7.67E-01	0.96
0	7.81E-01	1.30
3	3.14E-01	1.25
8	3.75E-01	0.85
8	3.75E-01	0.85
77	3.74E-02	0.78
558	7.74E-01	1.03
0	9.42E-01	1.04
0	5.83E-01	0.55
63	1.97E-01	1.16
0	2.76E-02	8.10
0	8.41E-01	0.92
539	7.03E-02	0.85
1531	1.52E-01	0.81
0	7.03E-01	1.38

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.11E-01	0.44
0	2.03E-01	0.27
0	6.03E-01	1.70
1	3.94E-02	2.43
0	4.07E-01	2.48
1	6.13E-01	1.18
0	8.39E-01	1.19
0	1.09E-01	0.13
0	8.34E-01	0.90
0	6.90E-01	1.33
594	3.93E-01	0.93
0	6.80E-01	1.24
1	6.57E-02	0.38
0	6.27E-01	1.50
492	4.15E-01	1.08
0	4.06E-01	0.57
0	6.65E-01	1.28
13	4.99E-01	0.89
26	7.05E-01	1.06
0	7.36E-01	0.69
0	5.47E-01	0.70
0	7.60E-01	0.82
118	1.61E-01	1.16
0	3.94E-01	2.20
0	8.21E-01	1.19
0	5.38E-01	0.66
0	9.51E-02	4.98
0	9.17E-01	1.17
0	5.09E-01	2.02
0	5.14E-01	0.42
0	9.87E-01	0.98
0	1.79E-01	0.25
0	7.55E-01	1.32
0	2.97E-01	0.26
0	7.11E-01	1.42
1	1.74E-01	1.48
0	5.05E-01	1.33
3	6.11E-01	1.13
0	6.44E-01	1.36
0	8.83E-01	0.84
0	1.06E-01	4.63
0	2.51E-02	9.04
0	8.69E-01	1.20

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.89E-01	0.36
0	4.78E-01	2.02
0	6.31E-01	0.71
0	7.47E-01	0.64
0	6.46E-01	0.53
0	7.47E-01	1.40
5	4.21E-01	1.20
0	7.89E-01	0.68
0	1.12E-01	2.18
0	7.83E-01	0.67
2	5.72E-01	1.18
36	6.40E-01	1.06
4	6.35E-01	1.09
0	3.17E-01	0.56
0	6.39E-01	1.47
1920	7.46E-01	0.57
1	7.15E-01	1.13
1	6.90E-01	1.14
0	9.71E-01	0.98
0	9.87E-01	0.99
0	2.32E-01	0.60
4	9.41E-01	0.99
1	5.06E-01	0.77
0	7.10E-01	0.83
0	1.20E-01	0.14
1922	1.00E+00	0.97
0	1.83E-01	3.17
131	6.09E-01	0.95
131	5.68E-01	0.94
131	6.09E-01	0.95
1	2.38E-01	1.67
0	8.55E-01	1.53
1	8.80E-01	0.95
0	6.76E-01	0.59
0	8.08E-02	5.03
0	2.73E-01	1.45
0	7.55E-01	1.14
0	5.49E-01	1.21
0	8.21E-01	1.27
1	4.65E-01	1.23
0	1.23E-02	4.64
0	3.82E-01	2.47
0	1.87E-02	9.27

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.81E-01	1.02
4	2.17E-01	1.30
56	5.75E-01	0.94
0	3.53E-02	7.49
1	7.98E-02	0.51
0	6.93E-01	1.72
97	5.33E-01	1.07
1068	2.90E-01	0.90
170	6.06E-01	0.95
27	3.93E-01	0.88
1	3.77E-01	1.28
36	6.85E-01	0.95
1	3.77E-01	1.28
1	1.35E-01	1.52
0	4.48E-01	1.97
1	1.22E-01	1.92
0	9.17E-01	0.94
0	9.99E-01	1.00
0	3.67E-02	7.87
2	4.79E-01	1.23
0	3.00E-01	1.82
2	4.28E-01	1.26
0	3.39E-01	1.88
1	1.03E-01	1.50
0	1.89E-01	0.39
1922	1.00E+00	0.97
621	4.15E-02	1.21
0	2.54E-01	0.40
0	7.80E-02	1.93
0	6.40E-01	0.87
0	2.20E-02	5.01
0	5.61E-01	0.71
494	3.91E-01	1.08
0	1.68E-01	5.28
6	7.04E-02	0.69
0	4.69E-01	0.61
0	2.74E-01	0.32
1	6.64E-01	1.59
0	8.94E-01	1.14
156	8.34E-01	0.98
0	1.18E-01	2.31
87	5.18E-01	0.93
2	7.27E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.24E-01	1.46
0	2.62E-01	2.10
0	9.26E-01	1.06
0	4.09E-02	6.49
0	3.45E-01	2.49
0	5.40E-01	0.44
0	9.46E-01	0.92
507	9.54E-01	1.01
0	8.09E-01	1.28
1	1.36E-01	1.36
0	4.84E-01	0.64
0	2.32E-02	9.05
0	7.87E-01	1.32
12	6.47E-02	0.74
0	1.18E-01	0.10
0	8.67E-01	0.89
0	1.16E-01	2.33
0	2.11E-01	4.14
0	7.77E-02	0.07
0	9.00E-01	0.93
0	1.58E-01	0.13
0	3.85E-01	2.46
180	4.59E-01	1.07
892	4.38E-01	0.93
0	7.53E-01	1.36
3	7.74E-01	1.07
0	4.14E-01	0.38
0	6.16E-01	0.62
0	5.89E-01	1.32
0	2.29E-01	1.57
83	8.69E-01	1.02
83	8.40E-01	1.02
0	3.45E-01	2.97
0	1.21E-01	5.68
0	6.47E-03	6.34
0	2.48E-01	1.38
9	6.07E-02	0.70
179	8.70E-01	0.98
0	9.51E-01	0.95
0	6.98E-01	1.19
0	7.00E-01	1.53
153	6.80E-01	0.96
0	4.53E-01	2.30

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.94E-01	0.73
9	1.18E-01	1.29
0	6.62E-01	1.33
0	8.90E-01	1.11
0	3.01E-02	0.22
0	4.67E-01	1.68
1	6.49E-01	1.61
0	1.71E-01	5.05
0	1.68E-01	0.23
0	5.71E-01	1.74
0	3.53E-02	0.04
0	4.49E-01	1.41
0	9.86E-01	0.99
214	7.78E-01	0.97
0	8.32E-01	1.17
0	2.98E-02	5.86
2	3.56E-02	0.43
0	8.10E-01	1.19
0	4.88E-01	0.56
1	8.95E-01	0.96
0	5.60E-01	2.15
0	9.49E-01	0.93
550	4.88E-01	0.94
0	1.74E-02	0.11
404	6.54E-01	0.96
0	7.84E-01	0.67
0	4.37E-01	0.43
0	9.42E-01	0.90
0	4.44E-01	2.00
0	5.56E-01	0.74
0	2.25E-01	2.90
0	9.16E-01	0.86
0	7.04E-01	0.84
84	2.76E-02	0.77
0	1.80E-01	0.29
0	3.01E-01	0.32
0	4.01E-01	3.34
0	5.95E-01	1.50
22	4.19E-01	0.89
0	5.51E-01	1.43
781	2.19E-01	0.89
0	3.42E-01	1.53
23	8.80E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

17	5.93E-01	0.92
1835	6.34E-02	1.81
3	3.96E-02	0.50
3	9.66E-02	0.55
1031	1.78E-01	1.15
13	2.36E-01	0.82
0	3.36E-01	2.39
1177	5.52E-01	0.94
0	9.82E-02	0.29
0	8.90E-01	1.24
17	7.07E-01	1.06
6	7.75E-01	0.94
6	7.75E-01	0.94
6	7.75E-01	0.94
6	7.75E-01	0.94
0	7.96E-01	1.12
0	6.99E-01	0.79
0	5.32E-01	1.18
576	6.30E-01	1.04
0	5.91E-01	0.72
145	6.13E-01	0.95
1	7.73E-02	0.49
2	4.25E-01	1.21
7	8.72E-02	0.69
0	9.82E-01	0.98
0	6.87E-01	1.26
0	1.15E-01	5.74
0	5.43E-01	2.72
0	9.43E-01	0.90
1569	1.36E-01	1.26
13	1.23E-01	0.77
0	2.09E-01	0.21
0	5.70E-01	1.82
8	3.09E-01	0.85
0	2.32E-01	2.46
0	6.26E-01	0.79
0	8.77E-01	0.80
0	2.09E-01	0.23
0	7.94E-01	0.77
0	8.04E-01	0.79
174	1.61E-01	1.14
4	3.51E-01	1.24
1	3.86E-01	1.37

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1192	7.42E-01	0.97
0	1.87E-01	1.37
1	9.92E-02	0.58
0	2.28E-01	2.67
0	1.10E-01	3.49
902	7.34E-01	0.97
878	3.13E-01	1.10
0	1.98E-01	2.58
0	7.92E-01	1.32
30	2.60E-01	0.85
0	4.44E-01	2.04
49	3.87E-01	0.90
0	7.42E-01	0.80
0	7.38E-01	0.59
176	7.57E-01	0.97
0	1.61E-01	0.15
175	8.30E-01	0.98
132	7.84E-01	0.97
2	2.69E-01	0.72
2	3.88E-02	1.71
0	5.93E-01	0.77
65	1.61E-01	1.18
106	9.36E-02	0.84
5	3.57E-01	0.84
1	6.81E-02	1.62
0	8.50E-01	1.22
331	8.71E-01	0.99
0	5.01E-02	9.25
0	5.67E-01	0.53
0	5.43E-01	1.27
27	7.22E-01	1.05
0	2.10E-01	0.20
0	6.23E-01	0.57
0	6.23E-01	0.57
820	3.78E-01	0.92
51	6.32E-01	1.06
2	9.27E-01	0.97
121	6.32E-01	0.95
8	4.95E-01	1.13
42	6.88E-01	0.95
0	2.39E-01	2.11
0	7.81E-01	0.74
0	2.34E-01	0.18

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.81E-01	2.33
0	6.17E-01	0.49
0	4.95E-01	0.41
1	1.26E-01	0.53
1	8.88E-01	0.89
0	1.69E-01	0.39
0	8.57E-01	0.91
0	7.94E-01	1.26
0	1.60E-01	2.64
0	8.27E-01	1.35
0	5.97E-01	1.84
7	1.24E-01	0.70
1	8.67E-02	0.43
34	4.18E-01	1.11
0	5.93E-01	1.96
0	3.26E-01	1.45
0	2.55E-01	2.17
0	6.31E-01	1.72
0	1.73E-01	2.03
0	8.32E-01	0.90
0	8.60E-01	1.31
0	8.95E-01	1.23
0	8.54E-01	0.86
0	6.02E-02	8.61
1	2.76E-01	0.54
1918	3.88E-02	0.14
0	4.66E-01	1.23
0	2.48E-01	1.65
0	6.19E-01	0.58
1	4.67E-01	1.46
0	8.59E-01	0.94
0	9.24E-01	0.87
0	7.23E-02	3.28
15	8.83E-01	1.03
0	3.05E-01	0.65
0	4.05E-01	0.49
1871	8.85E-01	0.95
0	2.41E-01	0.24
0	3.67E-02	0.15
1	5.86E-01	1.23
0	5.78E-01	1.63
0	3.13E-01	3.44
0	7.93E-01	0.83

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

5	9.38E-01	1.02
247	3.50E-01	1.09
0	5.71E-01	0.62
249	3.82E-01	1.09
1922	1.00E+00	0.97
0	7.97E-01	0.67
3	2.57E-01	0.78
0	1.37E-01	4.63
241	4.09E-01	1.08
0	6.32E-01	0.53
22	9.88E-02	0.79
0	6.33E-01	0.71
0	3.60E-02	3.07
0	3.75E-01	2.86
0	3.60E-01	0.50
2	1.02E-01	0.70
0	9.15E-01	0.86
0	6.22E-01	1.82
84	3.84E-01	0.91
0	4.76E-01	1.59
0	3.50E-01	2.24
5	9.33E-01	1.02
0	2.42E-01	0.24
0	5.65E-01	0.42
0	8.44E-01	1.18
38	1.48E-01	0.82
0	1.09E-01	6.84
6	7.09E-01	0.92
0	7.16E-01	0.72
0	9.74E-01	1.04
1	4.89E-01	0.70
0	1.66E-01	1.55
3	3.84E-01	1.28
0	8.99E-01	1.22
455	5.40E-02	0.84
0	8.72E-01	0.77
1	5.47E-01	1.72
325	7.90E-01	1.02
80	1.95E-01	1.15
0	9.66E-01	0.97
0	4.88E-01	0.40
0	6.17E-01	0.65
0	5.80E-01	0.65

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.44E-01	0.97
0	6.91E-01	1.30
0	7.74E-01	0.74
0	9.15E-01	1.06
0	9.56E-01	1.05
0	7.71E-01	0.70
0	8.15E-01	0.72
0	1.57E-01	0.43
186	1.36E-01	0.86
189	1.20E-01	0.85
0	7.50E-01	0.64
10	2.60E-01	0.83
0	1.19E-01	0.37
0	2.27E-01	0.15
0	2.41E-01	0.35
0	3.24E-01	1.48
0	4.13E-01	1.59
2	2.95E-01	0.74
0	2.99E-01	2.84
0	7.31E-01	1.75
4	4.30E-01	1.21
0	5.47E-01	0.58
0	3.07E-01	0.28
0	4.09E-01	1.55
0	8.54E-02	1.68
1	5.46E-01	1.17
4	8.89E-01	1.03
0	3.61E-01	2.69
0	8.91E-01	1.13
1	7.91E-01	0.68
2	6.75E-01	1.12
0	3.46E-02	0.32
0	6.39E-01	0.58
0	4.34E-01	1.40
7	9.04E-01	0.98
0	2.54E-01	1.54
0	8.73E-01	0.88
0	9.84E-01	0.97
0	4.56E-01	0.38
3	1.50E-01	1.44
0	9.12E-01	0.89
3	7.84E-01	1.08
860	9.61E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

3	1.22E-01	0.70
2	1.54E-01	0.42
1	4.64E-01	0.83
0	6.22E-01	1.51
0	2.39E-02	2.08
0	4.51E-01	1.75
0	6.15E-02	3.19
1861	4.98E-01	0.78
0	4.34E-01	0.68
32	3.65E-01	0.88
0	8.74E-01	1.26
0	4.06E-01	0.50
211	7.34E-01	0.97
10	3.41E-01	1.19
2	1.98E-01	1.42
193	5.78E-01	1.06
3	2.54E-01	0.71
0	4.84E-02	2.52
27	6.23E-01	0.93
1	3.24E-01	1.44
1	3.24E-01	1.44
0	3.60E-01	0.44
1	2.30E-01	1.52
1548	4.08E-01	1.13
0	9.46E-02	0.16
3	5.99E-01	0.89
0	5.02E-02	4.44
0	5.51E-01	0.63
0	3.25E-01	2.04
0	5.57E-01	1.72
2	6.38E-01	0.89
0	6.65E-01	1.26
0	6.65E-01	1.26
0	4.32E-02	4.36
72	9.94E-01	1.00
0	7.62E-01	0.89
0	1.94E-01	3.21
0	6.88E-01	1.38
0	4.81E-01	0.50
40	4.35E-01	0.90
0	3.68E-01	2.13
0	6.79E-01	1.28
0	1.00E+00	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.35E-01	4.22
343	1.82E-01	0.88
0	3.61E-01	1.47
577	2.05E-01	1.12
0	8.27E-01	0.80
0	5.71E-01	1.78
29	1.69E-02	1.36
18	9.10E-01	0.98
0	2.39E-01	2.97
0	2.39E-01	2.97
0	3.79E-01	0.63
1	8.51E-01	0.85
1	8.51E-01	0.85
0	5.79E-01	0.58
0	6.96E-01	0.90
0	8.65E-01	1.15
0	4.24E-01	1.95
0	1.69E-01	3.76
0	7.88E-01	1.54
0	5.14E-01	1.85
0	1.65E-01	3.56
0	9.94E-01	1.01
0	8.89E-01	0.82
38	4.87E-01	1.09
0	5.26E-01	0.79
0	9.81E-01	1.04
229	5.06E-01	1.06
0	4.61E-01	0.42
8	6.36E-01	1.09
0	8.69E-01	0.79
0	7.63E-01	0.76
0	7.18E-01	0.70
0	2.99E-01	0.54
0	4.71E-01	0.47
0	7.11E-01	1.23
0	2.14E-01	3.70
1	4.34E-01	1.63
0	3.48E-01	1.78
0	3.41E-01	2.73
0	6.39E-01	0.53
17	3.62E-01	1.15
14	5.74E-01	0.91
24	2.17E-01	0.83

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.25E-02	2.87
2	1.29E-01	1.33
0	6.41E-01	1.16
1	1.92E-02	0.20
0	7.01E-01	1.12
52	6.30E-01	0.94
26	3.71E-01	0.88
0	3.64E-01	0.55
0	6.12E-01	1.17
0	4.20E-01	1.90
10	8.01E-01	1.04
10	6.81E-01	1.07
0	8.08E-01	0.79
445	6.56E-01	1.04
0	1.38E-01	0.10
10	6.78E-01	1.07
0	3.43E-01	2.65
0	8.77E-01	0.78
4	7.58E-02	0.69
0	1.74E-01	3.67
25	1.27E-01	0.81
0	1.94E-01	1.84
0	8.12E-01	1.08
1	2.03E-01	1.46
0	2.73E-01	0.58
48	9.31E-01	0.99
0	4.46E-01	1.53
2	6.75E-01	0.90
1	5.34E-01	0.49
0	3.24E-01	1.39
0	6.71E-01	0.73
0	6.60E-01	0.61
15	8.99E-01	1.02
10	6.76E-01	1.08
0	2.95E-01	0.55
0	5.96E-02	2.90
11	7.52E-01	1.06
0	8.30E-02	1.65
9	9.81E-01	1.00
2	6.70E-02	0.22
1	4.20E-01	1.28
0	1.43E-01	4.38
0	7.08E-01	1.34

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	1.89E-01	1.44
10	8.20E-01	1.04
0	7.00E-02	2.20
0	8.07E-01	0.71
84	1.63E-01	0.85
4	1.39E-01	1.33
3	9.83E-01	1.00
0	2.82E-01	0.54
1441	6.66E-01	1.06
0	2.29E-01	2.74
0	6.35E-01	0.83
5	9.31E-01	1.02
0	6.69E-01	1.27
5	9.31E-01	1.02
187	3.01E-01	0.90
39	4.98E-01	0.91
1	4.61E-01	0.62
278	2.62E-01	0.90
0	8.42E-01	1.16
0	5.77E-01	1.51
37	4.39E-01	0.90
14	6.59E-01	0.93
5	4.26E-01	0.84
0	9.88E-01	1.02
168	5.10E-01	0.94
168	5.10E-01	0.94
0	2.27E-01	0.38
174	4.78E-01	0.93
174	4.78E-01	0.93
0	1.50E-01	5.09
11	8.58E-01	0.97
0	1.92E-01	2.95
9	9.88E-01	1.00
1556	8.39E-02	0.79
0	7.19E-01	0.72
20	7.65E-01	0.96
0	4.76E-01	0.45
416	4.88E-01	0.94
0	5.57E-01	1.57
0	1.07E-01	5.72
2	7.99E-01	1.09
375	3.70E-01	0.92
0	5.57E-01	1.57

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.55E-01	1.53
0	9.76E-01	0.97
0	1.78E-01	2.30
644	4.21E-01	0.93
0	5.76E-01	0.48
0	3.67E-01	0.32
0	9.80E-01	1.03
18	1.96E-01	0.81
0	9.06E-01	1.06
0	2.47E-01	0.22
2	5.92E-01	1.18
0	8.34E-01	1.25
0	7.90E-01	0.68
0	1.69E-01	0.14
5	1.21E-01	1.35
246	3.93E-01	1.08
0	2.39E-01	2.36
3	6.51E-01	1.10
62	8.09E-01	0.97
0	3.38E-01	2.29
27	5.02E-01	1.10
0	4.39E-01	0.69
2	2.65E-01	1.53
4	1.11E-01	1.39
0	3.03E-01	0.62
0	6.77E-01	0.80
59	8.41E-01	1.03
0	4.71E-01	0.71
0	2.42E-01	3.49
2	4.25E-01	0.80
0	6.71E-01	1.62
0	7.11E-02	8.42
1	3.37E-01	1.30
0	5.16E-01	0.60
0	4.50E-01	0.36
0	7.47E-01	0.84
1487	2.46E-01	1.18
2	3.86E-01	1.41
0	2.06E-01	4.00
0	9.56E-01	1.07
9	6.44E-01	0.91
0	7.02E-02	3.02
0	7.36E-01	1.33

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1274	1.39E-01	1.19
267	1.87E-01	1.13
0	7.62E-01	0.65
0	3.56E-01	1.96
0	9.03E-01	0.88
0	3.68E-01	0.31
1	9.53E-01	0.98
191	1.93E-01	0.88
0	1.85E-01	3.27
0	6.15E-01	1.21
0	5.31E-01	0.78
234	2.61E-01	0.90
29	8.44E-01	1.03
29	8.44E-01	1.03
0	7.52E-01	1.67
0	4.44E-01	0.36
1	4.64E-01	0.75
0	1.99E-01	4.32
0	7.39E-02	0.15
0	7.74E-01	1.43
7	1.96E-01	0.79
0	2.01E-01	0.30
0	7.09E-01	1.17
0	4.18E-01	0.48
8	4.24E-01	0.86
318	1.19E-01	1.15
1	5.86E-01	0.81
153	9.71E-01	1.00
733	4.74E-01	0.93
0	6.72E-01	0.66
579	3.35E-01	0.91
0	4.89E-01	1.18
0	9.75E-01	0.95
0	8.12E-01	1.19
0	1.98E-01	0.28
1	1.85E-01	1.50
0	8.31E-01	1.22
2	6.66E-01	0.84
1	7.21E-01	1.18
0	7.02E-01	1.59
0	9.51E-01	0.97
0	7.91E-01	0.86
3	3.75E-01	1.21

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.65E-01	0.65
0	3.34E-01	0.30
71	8.59E-01	1.02
0	8.95E-02	0.08
10	5.40E-01	0.90
0	8.15E-01	0.85
0	1.09E-01	0.24
0	3.10E-01	1.98
0	1.56E-01	0.12
0	1.00E-01	0.62
0	5.88E-01	1.38
0	3.51E-01	1.79
0	5.32E-01	0.57
0	5.76E-01	0.72
110	2.54E-01	0.89
0	4.30E-01	0.45
0	9.32E-01	1.14
0	7.14E-01	0.82
0	5.54E-01	0.52
4	9.93E-01	1.00
0	6.15E-01	1.45
0	8.21E-01	0.84
0	3.65E-01	3.08
0	7.26E-01	0.65
0	4.68E-01	2.12
0	3.41E-01	2.78
387	9.30E-01	0.99
1	1.99E-01	1.32
45	3.66E-01	1.12
45	4.14E-01	1.11
4	8.94E-01	1.03
0	5.74E-01	1.48
25	8.15E-01	0.97
3	8.15E-01	1.06
3	7.19E-01	0.90
373	2.29E-01	0.90
27	6.26E-01	0.94
0	9.19E-01	0.95
0	6.88E-01	0.86
0	6.87E-01	1.53
0	9.48E-01	1.11
0	6.17E-01	1.56
0	9.39E-01	0.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.80E-01	1.57
0	4.52E-01	2.26
0	6.34E-01	0.72
0	6.87E-01	1.53
0	2.06E-02	7.57
0	9.44E-02	2.40
0	2.80E-01	2.67
45	6.96E-01	1.05
58	9.77E-01	1.00
0	8.38E-01	1.28
0	1.23E-01	3.57
217	6.62E-01	0.96
583	2.83E-01	0.91
1	5.37E-01	0.80
0	2.03E-02	4.04
0	8.68E-01	1.16
0	2.97E-01	0.56
0	8.15E-01	1.15
0	2.54E-01	1.71
480	4.92E-01	0.94
0	4.26E-01	0.57
0	8.23E-01	0.84
0	3.15E-01	1.90
479	3.86E-01	0.92
0	4.72E-01	0.62
0	6.22E-01	1.60
0	3.14E-01	0.28
0	1.69E-01	0.20
241	4.86E-01	0.94
3	7.57E-01	1.08
1	7.15E-01	0.70
0	8.01E-01	0.87
0	4.76E-01	0.50
0	4.80E-01	0.56
0	9.73E-01	0.97
0	6.27E-01	1.54
0	6.51E-02	4.40
0	1.99E-01	0.41
0	9.77E-01	0.97
19	5.74E-01	1.09
0	8.83E-01	0.93
0	9.23E-01	0.92
30	3.33E-01	1.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.95E-01	1.10
0	7.46E-01	1.27
0	2.46E-01	0.31
0	9.72E-01	0.95
0	2.68E-01	0.33
0	1.65E-01	3.44
0	4.19E-01	1.49
80	1.14E-01	0.83
0	4.03E-01	1.89
0	7.46E-01	1.27
0	7.46E-01	1.27
0	8.67E-02	8.00
0	8.67E-02	8.00
0	4.43E-01	2.38
0	9.27E-01	0.96
0	6.75E-01	0.69
0	2.12E-01	0.23
0	2.82E-01	2.06
208	7.11E-01	0.97
0	9.56E-01	1.05
0	4.93E-01	1.86
42	1.98E-01	0.84
42	1.97E-01	0.84
42	1.97E-01	0.84
1	6.02E-01	0.77
1187	9.03E-01	1.01
1187	8.05E-01	1.03
11	6.87E-01	1.07
0	1.38E-01	0.53
0	6.27E-01	0.70
0	8.98E-01	0.92
0	8.69E-01	1.13
0	8.17E-01	0.84
1	8.18E-02	0.37
0	9.64E-02	4.66
0	4.50E-01	0.61
0	1.20E-01	4.09
538	5.84E-01	0.95
0	8.63E-02	3.76
1	6.77E-02	0.48
0	6.47E-01	1.47
0	4.57E-01	0.61
0	7.57E-01	1.26

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

25	6.03E-01	0.93
25	5.99E-01	0.93
587	4.40E-01	1.07
1	4.04E-01	1.34
0	7.64E-01	0.86
0	7.63E-01	1.63
1	2.24E-02	0.35
17	6.62E-01	0.93
1	6.78E-01	0.63
1	8.40E-01	0.78
1	3.08E-01	0.66
0	2.40E-01	0.59
9	3.17E-01	1.21
0	6.26E-04	0.04
13	6.80E-01	0.94
2	1.04E-01	0.54
0	1.39E-01	4.08
2	1.62E-01	0.68
0	6.87E-01	2.50
291	8.22E-01	1.02
0	3.06E-02	12.10
0	4.27E-01	0.32
1536	1.80E-01	0.83
1197	9.59E-02	0.84
0	8.02E-01	0.70
0	1.09E-01	3.03
0	3.80E-01	2.18
1865	9.23E-01	0.97
0	7.89E-01	0.78
0	1.02E-01	0.36
0	6.73E-01	0.62
0	6.73E-01	0.62
138	3.48E-01	0.91
0	3.21E-01	0.27
1	3.42E-01	0.51
127	2.52E-01	0.89
0	4.42E-01	0.80
8	9.87E-01	1.00
0	2.23E-01	3.58
0	8.77E-01	1.12
0	7.26E-01	1.31
0	3.71E-01	2.16
0	2.22E-01	0.69

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

35	6.69E-01	0.94
1	8.31E-01	0.88
0	4.06E-01	0.70
0	6.36E-01	1.35
1	7.44E-02	0.39
0	8.90E-01	1.20
0	4.62E-01	0.57
0	2.05E-01	4.08
0	8.21E-01	0.77
0	2.37E-01	0.32
1	5.73E-01	1.14
0	5.99E-01	0.61
0	6.61E-01	1.60
0	6.08E-01	0.84
0	4.74E-02	6.65
5	3.38E-01	0.84
0	9.85E-01	0.99
0	5.82E-01	0.84
0	9.90E-01	1.02
0	2.88E-01	0.55
0	1.21E-01	1.99
1	6.35E-01	0.89
0	9.79E-01	1.01
0	8.80E-01	1.26
76	7.14E-01	1.04
0	4.84E-02	3.94
0	5.78E-01	0.65
0	8.23E-01	1.12
219	8.60E-01	1.02
0	9.14E-01	0.94
661	2.21E-01	0.89
0	3.61E-01	0.26
0	2.26E-01	3.96
1921	6.86E-01	0.49
0	3.05E-01	0.31
0	4.36E-01	0.45
0	5.51E-01	0.43
0	2.97E-01	0.34
0	2.05E-01	2.87
0	3.09E-01	1.69
0	8.82E-01	0.91
0	2.20E-01	2.30
112	3.19E-01	1.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.14E-01	1.63
4	5.96E-01	0.90
1	1.46E-01	0.49
0	6.67E-01	0.54
0	9.04E-01	0.94
2	4.64E-01	1.17
16	6.82E-01	1.07
0	5.49E-02	0.26
0	3.02E-01	2.35
0	5.46E-01	0.85
5	7.64E-02	1.51
0	5.84E-01	1.64
0	9.39E-01	0.95
9	4.07E-02	0.67
0	5.60E-01	1.95
2	7.03E-01	0.93
0	6.16E-01	0.81
13	7.03E-01	0.93
0	4.63E-01	2.12
1	3.09E-01	1.27
0	8.80E-01	0.95
0	8.80E-01	0.95
0	7.63E-01	0.65
0	1.99E-01	0.21
16	7.45E-01	0.95
0	5.92E-01	0.67
0	4.36E-02	2.95
98	6.56E-01	1.05
0	4.67E-01	0.33
0	9.81E-01	1.04
1	7.92E-01	0.93
0	7.74E-01	1.34
0	8.22E-01	1.24
5	9.71E-01	1.01
5	9.27E-01	1.02
0	8.08E-01	0.75
56	7.62E-01	1.04
0	7.90E-01	1.26
6	5.66E-01	1.14
1238	9.24E-01	1.01
6	7.03E-01	1.09
0	2.47E-01	3.40
0	2.47E-01	3.40

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1793	3.37E-01	1.26
146	4.33E-01	0.92
0	5.71E-01	1.47
0	7.37E-01	1.41
0	3.29E-01	1.36
0	6.14E-02	2.07
0	3.75E-01	1.89
0	7.67E-01	0.80
0	7.88E-01	0.68
0	6.35E-01	0.72
3	7.94E-01	0.92
0	4.68E-01	0.63
565	3.48E-01	0.92
0	6.61E-01	1.40
0	9.08E-01	1.20
0	9.48E-01	0.97
11	9.02E-01	1.03
553	5.46E-01	0.95
0	1.93E-02	0.14
0	4.75E-01	2.06
0	1.12E-01	0.32
157	8.72E-01	0.98
1	9.98E-01	1.00
1	2.56E-01	1.41
1	5.87E-01	0.70
106	2.01E-02	1.27
0	4.16E-01	0.61
97	6.54E-02	1.22
7	5.47E-01	1.12
5	6.74E-01	1.09
1205	7.59E-01	0.97
0	1.87E-02	8.29
3	7.47E-01	0.91
0	6.13E-01	1.32
0	7.97E-01	1.50
0	6.48E-01	0.71
0	4.49E-01	0.55
0	2.73E-01	0.56
0	2.93E-03	2.98
1186	6.56E-01	0.95
5	3.59E-01	0.82
134	2.13E-02	1.26
0	4.33E-01	0.62

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.84E-01	1.24
22	9.14E-01	0.98
328	4.84E-01	1.07
0	9.64E-01	1.05
4	6.96E-01	1.09
0	7.47E-01	1.30
0	7.79E-02	1.49
0	8.76E-01	0.80
0	9.88E-01	1.01
0	7.60E-01	1.15
0	1.11E-01	2.01
0	8.37E-02	5.53
0	1.11E-01	2.01
0	3.39E-01	2.79
0	8.73E-01	1.09
0	7.47E-01	1.58
0	8.93E-01	1.17
0	4.50E-01	1.78
0	7.39E-01	1.48
0	3.10E-01	1.65
0	6.88E-01	1.86
776	4.30E-01	1.08
0	9.88E-01	0.99
0	9.79E-01	1.02
238	4.65E-01	0.93
767	3.30E-01	1.10
0	7.95E-01	0.86
0	2.89E-01	2.15
0	6.71E-01	0.55
1	9.84E-01	1.01
1475	5.67E-01	1.08
246	1.29E-01	1.15
30	1.69E-01	0.83
0	3.00E-01	2.04
0	7.11E-01	1.30
245	8.79E-02	1.17
349	1.56E-01	0.88
213	9.89E-01	1.00
69	3.48E-01	0.90
234	9.93E-01	1.00
765	9.46E-02	1.17
2	1.53E-02	0.45
0	7.21E-02	0.54

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	2.34E-01	0.23
379	9.21E-01	1.01
0	6.32E-01	0.52
879	3.33E-01	0.91
1	2.34E-01	0.23
0	2.57E-01	4.58
0	9.62E-01	1.06
22	3.89E-01	0.88
1	8.49E-01	0.90
0	8.05E-01	1.34
553	6.91E-01	1.04
0	1.68E-01	0.61
1	9.57E-03	0.47
540	8.87E-01	0.99
0	5.89E-01	1.16
0	4.15E-01	0.34
0	1.91E-01	1.74
0	4.41E-01	0.57
0	6.45E-01	1.48
0	1.69E-01	3.46
0	1.34E-01	1.67
0	3.25E-01	3.05
1	2.64E-01	0.24
1	7.23E-01	0.79
0	8.01E-01	0.80
0	2.32E-01	0.18
0	6.51E-01	0.50
0	4.31E-01	1.59
554	3.24E-01	0.91
10	9.06E-01	0.98
0	3.98E-01	2.26
0	3.00E-01	0.28
0	7.04E-01	0.75
4	1.19E-01	0.71
5	5.48E-01	1.13
20	6.76E-01	1.07
0	1.44E-01	4.31
0	7.23E-01	1.51
0	6.26E-01	1.70
0	3.23E-01	2.84
22	6.34E-02	1.28
6	5.18E-01	0.88
0	1.01E-01	0.36

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.88E-01	1.26
1	2.28E-01	0.72
18	2.87E-01	1.17
0	2.63E-01	0.36
0	5.36E-01	0.81
0	2.91E-01	2.71
663	8.16E-01	1.02
1	7.10E-01	0.92
1754	7.82E-01	1.06
0	8.59E-01	1.32
20	3.31E-01	1.16
0	5.77E-01	1.88
0	1.39E-01	0.23
1	3.44E-01	0.76
0	1.33E-01	5.40
0	7.82E-01	0.82
23	5.57E-01	0.91
144	3.62E-01	1.10
1690	5.83E-01	0.90
0	5.02E-01	2.26
18	4.45E-01	1.12
816	8.97E-01	0.99
27	5.55E-01	1.09
55	9.17E-01	1.01
0	9.49E-01	0.96
1	5.94E-03	3.05
0	1.07E-01	5.02
0	2.90E-01	1.75
53	6.90E-01	1.05
53	6.18E-01	1.06
0	5.29E-01	2.03
0	5.12E-01	0.37
1251	1.54E-01	0.85
2	7.82E-01	0.92
259	3.13E-01	0.91
2	6.54E-01	0.86
2	6.91E-01	0.88
2	8.02E-01	0.92
0	9.06E-01	0.89
0	6.45E-01	0.54
0	6.29E-01	1.35
4	4.81E-01	0.87
0	5.02E-01	1.32

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.39E-02	0.14
0	5.71E-01	0.81
0	4.96E-01	1.76
10	7.52E-03	0.62
0	3.88E-01	0.28
0	3.53E-01	2.50
0	6.42E-01	1.50
130	6.68E-01	0.96
0	4.68E-01	1.82
6	2.41E-01	0.79
0	6.82E-01	0.57
0	8.34E-01	0.85
1059	8.27E-01	1.02
5	3.60E-01	0.80
1	3.16E-01	0.71
0	2.33E-03	0.03
0	9.84E-01	1.02
288	7.14E-01	0.97
0	3.64E-01	2.39
4	1.83E-01	0.72
0	5.19E-01	1.89
354	5.45E-01	0.95
0	2.29E-01	1.90
0	2.23E-02	3.04
0	3.37E-01	2.17
1	9.69E-01	0.99
0	6.89E-01	0.57
0	8.61E-01	0.81
0	2.86E-02	0.04
0	6.37E-01	1.80
4	2.24E-01	0.75
0	8.42E-01	0.86
0	7.48E-01	0.60
0	8.71E-01	0.79
0	6.66E-01	0.64
0	8.96E-01	0.83
97	6.30E-01	1.05
0	7.07E-01	1.64
0	7.50E-01	1.41
10	1.95E-01	1.26
0	5.84E-02	4.90
0	6.67E-01	1.32
44	7.15E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.34E-01	2.35
0	9.14E-01	1.06
10	2.25E-01	1.24
0	5.60E-01	0.74
1	2.11E-01	1.42
0	5.86E-01	0.57
0	5.96E-01	1.53
0	6.05E-01	1.77
1	1.72E-01	0.62
0	6.26E-01	0.81
3	1.80E-01	1.41
0	8.84E-01	1.25
0	2.74E-01	0.19
0	7.61E-02	2.64
0	6.30E-01	0.79
11	3.09E-01	1.18
261	5.01E-01	0.94
0	8.48E-01	1.31
0	6.36E-02	3.50
179	3.31E-01	0.91
39	5.02E-01	1.09
0	1.63E-01	3.76
0	1.04E-01	0.38
0	9.82E-01	1.02
40	4.22E-01	1.11
40	3.96E-01	1.12
39	5.41E-01	1.09
906	2.48E-01	0.89
39	5.97E-01	1.07
40	4.46E-01	1.11
39	2.85E-01	1.15
692	9.66E-01	1.00
0	8.64E-01	0.78
0	8.03E-01	1.34
82	1.82E-01	1.16
6	6.97E-02	0.70
61	2.95E-01	0.88
0	8.91E-01	1.07
0	5.27E-01	0.57
89	8.03E-01	0.97
1	6.76E-01	1.19
284	3.09E-01	1.10
0	6.37E-01	0.52

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

15	4.20E-01	1.13
1	9.40E-01	0.93
0	8.87E-01	1.26
0	8.87E-02	4.44
1	9.79E-01	1.01
0	5.33E-01	1.82
0	4.02E-01	0.55
282	7.65E-01	0.97
0	3.09E-01	2.29
0	5.01E-01	1.71
0	6.68E-01	1.26
428	8.15E-01	1.02
49	2.96E-01	0.88
1	7.05E-01	0.84
0	6.96E-01	0.65
7	2.21E-01	1.23
3	1.20E-01	1.43
433	1.16E-02	1.27
0	7.21E-01	0.91
0	1.65E-01	2.82
9	3.73E-03	0.57
0	3.33E-01	2.41
0	2.10E-01	3.88
26	4.06E-01	0.88
30	8.92E-01	1.02
38	3.79E-01	0.88
582	1.10E-01	0.87
0	6.38E-01	0.69
0	5.85E-01	1.45
0	3.73E-01	2.86
568	1.11E-01	0.87
571	1.03E-01	0.87
725	2.10E-02	0.81
0	3.71E-01	0.30
0	3.13E-01	1.37
1338	8.59E-01	0.98
0	7.95E-01	0.86
1	4.86E-02	0.20
0	6.21E-01	1.44
0	5.86E-02	4.97
0	6.36E-01	2.02
1	4.00E-01	1.49
0	4.87E-01	1.78

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.81E-02	0.30
0	6.40E-01	1.57
0	9.30E-01	1.04
0	3.31E-01	1.74
0	5.36E-01	1.50
530	8.04E-01	0.98
0	8.16E-01	1.27
0	7.15E-01	1.25
259	9.27E-01	0.99
0	4.85E-01	1.22
259	8.24E-01	0.98
3	4.86E-01	1.22
415	8.67E-01	0.99
0	9.48E-01	1.06
0	2.41E-01	3.95
0	5.53E-01	1.44
1148	3.75E-01	1.10
0	7.43E-01	1.14
2	1.28E-01	0.53
6	6.12E-01	1.11
0	4.77E-01	0.43
157	4.63E-01	0.93
0	9.07E-01	0.91
0	8.65E-01	1.31
0	2.64E-02	12.82
0	8.46E-01	0.85
0	7.20E-01	1.39
3	6.09E-01	0.88
0	8.13E-01	1.45
0	5.54E-01	0.45
263	9.90E-01	1.00
0	7.70E-01	1.27
0	5.19E-01	0.68
0	5.81E-02	0.04
0	2.25E-01	1.91
262	9.86E-01	1.00
0	8.62E-01	0.81
0	7.21E-01	0.67
1	9.13E-01	1.07
0	8.11E-01	0.91
0	6.88E-01	0.84
143	2.47E-01	0.89
52	2.10E-01	1.16

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

44	2.08E-01	0.85
0	2.94E-01	0.37
0	3.95E-01	0.39
334	6.09E-01	0.95
0	1.37E-01	0.14
0	3.53E-01	0.43
0	5.77E-01	1.28
3	5.27E-01	0.87
0	8.45E-01	1.20
0	7.19E-01	1.42
151	8.48E-01	1.02
24	9.49E-01	1.01
1728	7.75E-01	0.94
185	1.45E-01	1.15
64	5.21E-01	1.08
1169	5.12E-01	0.93
2	7.56E-01	0.90
0	1.38E-01	0.35
0	8.10E-01	0.75
1	6.10E-02	1.92
0	2.53E-02	6.44
0	6.25E-02	0.27
0	7.20E-01	1.40
81	5.43E-01	0.93
0	4.92E-01	1.87
0	4.92E-01	1.87
0	3.58E-01	1.51
50	8.76E-01	1.02
0	1.59E-01	0.26
1	1.53E-01	1.90
41	7.76E-01	0.96
0	5.74E-02	3.89
1	7.47E-01	0.90
0	7.69E-01	1.42
0	7.87E-01	0.83
0	8.36E-01	1.22
129	8.15E-01	0.98
0	5.43E-03	25.74
0	7.69E-01	1.42
0	8.06E-02	0.08
1	1.42E-01	2.04
0	5.91E-01	0.83
1515	3.33E-01	0.87

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.80E-01	1.39
0	8.04E-01	1.51
0	3.53E-01	0.29
0	4.98E-01	0.52
0	6.85E-01	0.75
0	4.50E-01	2.32
0	9.43E-01	1.08
0	8.05E-01	1.09
1	2.41E-01	0.57
0	5.96E-01	1.26
0	8.08E-01	1.29
0	4.94E-01	1.95
0	3.35E-01	1.92
919	2.67E-01	1.12
5	9.74E-01	0.99
0	9.83E-01	1.02
2	2.75E-01	1.34
0	5.43E-01	0.61
0	9.58E-01	1.05
0	1.49E-01	0.16
21	3.47E-01	1.15
0	1.57E-01	4.46
0	8.02E-02	8.56
472	5.33E-01	1.06
21	8.25E-01	1.03
1	3.95E-01	1.49
468	5.79E-01	1.05
4	6.26E-01	1.11
11	6.06E-01	1.08
561	4.41E-01	1.07
0	5.81E-01	1.79
0	6.31E-01	0.71
0	5.39E-01	1.21
0	9.46E-01	0.93
0	4.48E-01	1.53
22	6.19E-01	1.07
2	7.65E-01	1.08
22	6.19E-01	1.07
3	5.34E-01	1.14
0	2.33E-01	3.30
0	3.52E-01	0.45
2	7.37E-01	0.91
6	4.11E-01	1.19

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.65E-01	1.31
6	7.11E-01	0.92
0	4.87E-01	0.46
2	7.17E-02	0.44
0	6.71E-01	1.32
0	8.90E-01	1.16
1	8.68E-01	0.90
0	4.50E-02	2.30
0	2.45E-01	3.09
815	7.76E-01	1.03
259	3.67E-01	0.92
0	4.57E-01	1.56
170	5.32E-01	0.94
0	4.14E-02	8.93
0	8.47E-01	0.84
0	2.92E-02	0.06
0	7.30E-01	2.12
0	9.03E-01	1.21
0	4.13E-01	1.26
1374	2.40E-01	0.87
3	1.98E-01	1.34
0	5.07E-01	0.48
0	9.83E-01	0.98
0	2.27E-01	4.65
0	8.51E-01	0.86
0	8.47E-01	1.26
1	7.10E-01	1.11
0	2.83E-01	1.50
0	4.08E-01	0.54
0	5.48E-01	0.68
39	2.84E-01	1.15
5	4.14E-01	0.82
0	1.05E-01	2.93
478	1.40E-01	0.88
38	2.38E-01	1.16
0	7.91E-01	0.68
0	8.21E-01	1.20
458	6.63E-02	0.85
0	1.06E-01	6.95
0	6.68E-01	0.73
0	9.88E-01	1.01
0	8.04E-01	0.86
0	6.22E-01	0.68

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1343	2.46E-01	0.87
0	8.30E-01	1.13
0	4.75E-01	1.70
0	7.31E-01	0.74
64	4.14E-01	0.91
0	3.29E-01	2.83
0	8.69E-01	0.89
0	5.84E-01	1.80
0	2.68E-01	0.22
0	4.49E-01	1.73
0	4.37E-01	2.28
0	1.38E-02	7.10
0	4.00E-01	1.68
0	1.17E-01	0.47
0	5.21E-01	0.52
0	1.56E-02	3.24
0	2.15E-02	0.08
0	2.27E-01	0.72
0	3.93E-01	0.45
0	5.22E-01	2.12
0	5.09E-01	2.09
1	9.80E-01	0.99
1	9.80E-01	0.99
39	3.31E-01	0.87
14	5.92E-01	0.91
0	7.24E-01	1.47
0	4.31E-01	0.48
0	6.25E-01	1.61
1917	4.52E-01	0.48
4	3.32E-01	1.23
0	9.71E-02	0.10
240	8.95E-01	0.99
235	7.48E-01	0.97
0	5.13E-01	0.48
3	6.70E-01	0.90
3	4.34E-01	0.79
0	6.00E-01	0.82
5	3.96E-01	0.82
476	3.27E-02	0.83
0	4.30E-01	2.29
1123	7.51E-01	0.97
0	8.86E-01	1.25
2	6.46E-01	0.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.70E-01	2.20
0	8.05E-01	0.69
0	3.72E-01	0.26
1918	9.50E-01	1.11
0	8.88E-02	5.06
1338	2.58E-01	1.14
0	7.06E-01	1.31
211	4.23E-01	0.93
1	7.63E-01	1.22
0	1.78E-01	0.18
0	9.93E-01	0.99
0	1.74E-01	4.22
179	2.03E-01	1.13
0	1.06E-01	4.31
0	4.40E-01	1.86
0	7.93E-01	1.09
0	7.84E-01	1.33
160	5.61E-01	1.06
0	2.53E-01	1.47
0	3.56E-01	2.97
32	5.65E-01	0.93
4	3.88E-01	0.83
673	1.89E-01	0.89
4	3.92E-01	0.83
0	3.98E-01	0.33
367	2.51E-01	1.11
0	9.85E-01	1.01
0	1.36E-01	0.44
1	9.31E-01	1.04
0	3.79E-01	1.47
1	7.78E-01	0.93
0	4.94E-02	4.75
0	3.78E-01	0.78
0	6.57E-01	0.50
54	8.54E-01	0.98
0	8.60E-01	1.14
0	3.22E-01	1.38
0	2.19E-02	0.04
1	6.36E-01	0.53
0	5.42E-01	0.57
140	4.74E-01	1.07
1	8.46E-01	1.16
122	2.58E-01	1.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.42E-01	2.96
0	8.96E-01	0.83
0	5.16E-01	0.48
0	8.94E-02	2.48
1674	8.23E-01	1.04
6	4.19E-01	1.16
184	6.56E-01	1.04
0	5.02E-01	0.47
0	4.76E-01	0.38
0	9.44E-01	0.93
6	3.96E-01	1.19
0	5.70E-01	1.45
0	5.90E-02	6.36
0	1.47E-01	2.81
0	7.24E-01	1.32
0	7.11E-01	1.32
68	2.72E-01	0.88
0	2.98E-01	0.52
0	6.51E-01	0.54
0	4.18E-01	2.19
3	5.70E-01	1.14
0	4.01E-01	0.58
0	6.06E-02	0.07
1	2.94E-01	2.88
0	6.11E-01	1.41
0	5.29E-01	1.94
1	5.33E-01	0.59
2	7.04E-01	0.90
0	1.47E-02	6.87
26	5.57E-01	1.08
0	8.24E-01	1.40
4	8.17E-01	1.06
0	7.13E-01	1.47
353	7.73E-01	1.03
397	9.68E-01	1.00
236	6.75E-01	1.04
0	2.66E-02	4.14
0	1.13E-01	1.61
0	1.84E-01	2.32
0	9.89E-01	0.99
0	7.84E-01	1.24
1	1.16E-01	0.55
0	9.53E-01	1.03

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

318	6.14E-01	1.05
0	6.55E-01	1.55
0	4.10E-01	0.34
0	8.10E-01	0.78
91	9.28E-01	0.99
6	6.46E-01	1.09
1	5.52E-01	1.24
1	5.50E-01	1.24
0	6.80E-01	1.37
0	6.58E-02	5.31
0	3.69E-01	1.25
0	8.28E-01	0.91
10	9.71E-01	1.01
1	5.66E-01	1.18
0	6.86E-01	1.38
0	9.14E-01	0.90
0	4.70E-01	2.27
27	9.09E-01	0.98
0	1.52E-01	5.05
0	6.83E-01	1.34
0	9.32E-01	0.91
107	9.36E-01	1.01
0	7.10E-01	1.39
13	7.35E-01	1.06
0	9.97E-01	1.00
0	6.41E-01	0.48
99	7.62E-01	0.97
0	9.34E-02	5.08
2	2.28E-01	1.32
0	4.11E-01	2.43
0	7.52E-01	1.37
2	7.07E-01	0.86
1	7.30E-01	0.90
0	9.72E-01	0.98
0	4.63E-01	0.35
2	5.83E-01	0.85
2	5.83E-01	0.85
0	7.31E-01	0.60
56	6.64E-01	0.95
0	7.59E-01	1.32
1	4.79E-01	0.74
0	3.25E-02	6.66
0	8.18E-01	0.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

9	5.52E-01	1.11
0	9.83E-01	1.02
0	8.68E-01	1.18
0	8.84E-01	0.87
1143	5.41E-01	1.07
0	9.92E-01	1.01
0	5.95E-01	1.40
6	9.17E-01	0.98
0	4.30E-01	0.37
10	9.52E-01	0.99
0	9.44E-01	1.03
0	4.23E-01	0.36
0	4.92E-01	0.57
139	6.59E-01	1.05
0	8.65E-01	0.80
0	4.12E-02	3.01
0	9.43E-01	1.04
129	5.65E-01	1.06
935	2.73E-01	1.12
1	3.65E-01	0.66
0	3.40E-01	2.60
0	7.45E-01	0.64
669	2.49E-01	1.11
0	5.51E-01	1.85
1922	1.00E+00	0.97
5	8.07E-01	1.04
116	6.41E-01	0.95
0	3.67E-01	1.50
0	8.52E-02	3.61
0	6.15E-01	3.03
0	3.16E-01	1.47
350	9.22E-01	0.99
0	3.71E-01	0.44
0	7.87E-01	1.26
22	8.59E-01	0.97
0	1.79E-01	2.42
0	7.73E-01	0.66
0	6.28E-01	1.25
285	9.16E-01	0.99
0	9.10E-01	0.84
0	4.03E-01	0.37
0	8.35E-01	1.28
0	7.71E-01	0.66

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.21E-01	1.63
0	4.16E-01	1.55
0	4.90E-01	0.65
809	7.11E-01	0.97
33	5.24E-01	0.92
1	5.22E-01	1.31
0	1.30E-02	4.22
0	1.52E-01	1.77
0	7.69E-01	1.23
183	9.85E-01	1.00
9	9.20E-01	0.98
4	5.52E-01	0.87
12	3.33E-01	0.85
0	3.65E-02	2.22
0	5.52E-01	0.40
0	4.99E-01	1.83
0	8.77E-01	0.86
24	2.35E-01	1.17
0	1.23E-01	0.58
0	2.01E-03	2.64
89	8.65E-01	0.98
4	3.70E-01	0.83
0	1.96E-01	0.20
0	6.55E-02	7.81
0	7.73E-01	1.29
0	1.63E-01	1.59
50	5.70E-01	0.93
0	4.89E-01	0.80
0	4.04E-01	1.78
5	8.01E-01	1.04
5	8.01E-01	1.04
5	8.01E-01	1.04
0	7.15E-01	0.71
187	7.23E-01	1.03
0	6.40E-01	0.73
0	8.74E-01	1.12
220	5.53E-01	1.06
1088	5.10E-01	0.93
4	6.55E-01	1.08
0	1.34E-01	2.63
0	3.51E-01	0.42
0	9.02E-01	1.21
128	1.52E-01	1.16

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

128	1.52E-01	1.16
129	1.42E-01	1.16
0	5.21E-01	2.18
0	5.70E-01	0.41
21	8.10E-02	0.75
0	5.42E-01	1.43
2	1.31E-01	1.52
0	4.77E-01	1.80
14	9.26E-01	0.99
42	6.85E-01	0.95
0	3.02E-01	0.26
0	7.46E-02	5.72
2	9.45E-01	1.02
2	9.37E-01	1.02
2	9.72E-01	1.01
1094	3.21E-01	0.90
0	3.12E-01	3.77
563	1.03E-01	0.86
0	1.24E-01	0.18
48	8.97E-02	1.23
0	8.49E-01	1.34
1	5.56E-01	0.73
0	1.25E-02	8.95
0	9.70E-02	2.20
0	9.16E-01	0.85
0	4.55E-02	0.31
36	1.20E-01	1.22
0	1.48E-01	1.85
0	1.53E-01	0.30
1	2.06E-01	0.57
0	4.24E-01	0.76
0	2.25E-01	2.30
0	5.41E-01	1.26
0	7.20E-01	1.28
673	7.75E-01	1.03
0	8.89E-01	0.95
0	3.48E-01	2.89
0	8.89E-01	0.95
0	8.89E-01	0.95
0	8.89E-01	0.95
10	6.96E-01	1.07
0	2.68E-02	2.16
0	9.49E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

3	7.60E-01	1.07
0	6.75E-01	0.55
0	1.99E-01	0.48
43	4.45E-01	0.91
0	6.75E-01	0.87
0	3.90E-01	0.57
0	8.12E-01	1.16
65	8.55E-02	0.81
0	7.69E-01	0.69
0	9.77E-01	0.96
1585	7.68E-01	1.05
47	3.08E-01	1.14
1	4.13E-01	0.69
537	8.94E-01	0.99
0	7.06E-01	0.59
0	8.37E-01	0.79
0	5.10E-01	1.73
0	2.43E-01	2.32
0	3.29E-01	1.71
0	9.56E-01	1.06
0	7.52E-01	1.34
1	3.08E-01	0.34
0	7.66E-01	1.64
29	4.79E-01	0.91
0	2.01E-01	2.86
0	8.99E-01	0.87
7	2.77E-01	0.78
15	6.31E-01	0.92
0	8.49E-01	1.12
0	1.34E-01	3.79
0	8.18E-02	2.22
0	4.42E-01	2.27
18	9.82E-01	1.00
0	5.12E-01	0.40
0	7.73E-01	1.21
0	9.87E-01	0.98
925	3.75E-01	0.92
0	4.33E-01	0.71
0	2.94E-01	2.34
0	8.34E-01	0.87
0	9.35E-01	0.96
0	3.76E-01	2.52
0	7.38E-01	1.27

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.17E-01	1.14
3	7.50E-01	0.90
27	6.53E-02	1.26
0	6.02E-01	1.31
0	9.68E-02	4.55
6	4.80E-01	1.16
0	8.29E-02	2.85
2	2.18E-02	1.79
1	8.47E-01	0.93
0	9.28E-01	0.91
11	1.94E-01	0.78
0	3.72E-01	2.39
1368	3.44E-01	1.12
429	8.29E-01	1.02
235	5.04E-01	0.94
1300	6.45E-01	0.95
0	1.01E-01	4.47
867	2.69E-01	1.11
0	4.04E-01	0.34
0	5.12E-01	0.57
0	9.30E-01	0.96
0	8.35E-01	1.21
0	4.46E-01	1.59
6	6.85E-01	0.91
0	1.57E-01	0.20
0	2.30E-01	3.40
0	6.26E-02	5.87
0	9.36E-01	0.89
219	2.87E-02	1.22
0	7.10E-01	1.12
0	4.56E-01	1.69
0	7.29E-02	0.08
0	4.22E-01	2.63
0	3.59E-01	2.59
53	8.29E-01	0.97
41	1.16E-01	0.82
2	8.43E-01	0.95
9	6.02E-01	1.11
1	7.86E-01	1.14
0	6.03E-01	1.68
0	9.86E-01	0.99
1	3.95E-01	0.64
0	2.37E-01	1.86

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.11E-01	1.35
0	8.99E-01	1.09
1	5.35E-01	0.60
14	8.71E-01	0.97
0	1.75E-02	14.07
0	5.32E-01	1.86
0	3.07E-01	1.65
0	7.69E-01	1.31
0	7.68E-01	0.86
0	8.96E-01	1.16
1	1.08E-01	1.55
0	9.08E-01	0.89
3	8.68E-01	1.04
0	2.65E-01	1.70
0	2.18E-01	3.99
123	7.98E-01	1.03
266	5.13E-01	0.94
1921	6.64E-01	0.47
0	7.17E-03	2.40
0	4.93E-01	1.44
0	8.20E-01	1.30
1	5.48E-01	0.65
0	7.25E-01	1.77
0	2.27E-01	2.13
0	7.22E-01	0.65
5	7.61E-01	1.06
2	7.68E-01	1.08
1	8.77E-01	0.96
192	6.67E-01	1.04
0	5.38E-02	5.57
0	3.30E-01	0.63
0	2.68E-01	0.18
0	4.11E-01	2.15
0	8.35E-01	1.06
1	5.86E-01	0.82
2	9.38E-01	0.98
0	8.76E-01	1.09
0	1.06E-01	0.12
0	3.09E-01	0.28
0	7.46E-01	0.63
0	3.20E-01	0.64
0	6.25E-01	1.86
1	5.46E-01	1.18

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.38E-01	0.91
0	6.64E-01	1.49
0	6.46E-01	0.81
1	5.09E-01	0.58
2	6.81E-01	0.90
0	9.21E-01	1.17
0	9.57E-01	1.02
0	1.01E-01	3.23
0	7.16E-01	1.57
0	9.70E-01	0.96
0	5.42E-01	1.77
0	1.98E-02	0.40
0	1.11E-01	0.43
0	1.19E-02	0.18
0	5.42E-01	0.73
0	5.22E-02	2.79
0	7.48E-01	0.80
0	8.28E-01	0.94
0	4.83E-02	2.70
0	9.24E-01	1.14
0	6.14E-01	0.88
0	9.78E-01	0.97
0	6.82E-02	0.22
0	6.27E-01	0.58
0	8.08E-01	1.48
4	8.75E-01	1.04
0	4.45E-01	0.66
1	5.16E-01	0.79
1	3.44E-01	1.38
1	2.08E-01	0.57
0	3.56E-01	0.30
0	3.73E-01	1.60
0	7.51E-01	0.64
0	8.92E-01	1.19
115	9.56E-01	0.99
1904	8.69E-01	1.11
0	3.63E-01	1.87
0	3.11E-01	0.48
5	1.41E-01	1.42
0	8.32E-01	1.26
0	2.84E-01	1.68
4	3.11E-01	1.27
1	4.63E-01	0.38

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

597	8.45E-01	0.98
0	6.57E-01	0.66
0	6.46E-01	0.72
1	2.48E-01	0.69
13	9.35E-01	1.02
13	9.31E-01	1.02
18	7.19E-01	1.06
0	9.53E-01	1.09
0	1.36E-01	0.13
0	8.92E-01	0.91
0	4.09E-01	0.42
0	2.44E-01	3.52
0	2.32E-01	3.05
0	7.14E-01	1.33
0	6.72E-01	0.87
0	5.26E-01	1.95
0	4.43E-01	2.23
0	5.35E-01	1.48
0	8.79E-01	1.08
0	2.51E-01	0.19
0	2.62E-01	1.81
0	8.94E-01	0.96
0	6.50E-01	0.74
0	6.62E-01	0.53
0	7.92E-01	0.68
192	1.57E-01	0.87
0	7.82E-01	1.12
0	5.40E-01	0.57
0	7.72E-01	1.36
0	1.95E-01	3.23
0	9.03E-01	0.89
54	4.04E-01	0.90
0	7.36E-01	1.31
270	8.84E-01	1.01
0	6.82E-01	0.83
0	5.87E-01	0.66
0	8.40E-01	1.23
0	3.34E-01	3.06
0	7.69E-01	1.34
16	1.03E-01	1.30
0	4.22E-01	0.64
0	6.85E-01	1.33
0	4.36E-01	2.38

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.98E-01	1.76
0	3.18E-01	0.46
0	5.35E-01	0.40
77	4.20E-01	1.09
0	4.39E-01	2.30
1907	1.67E-01	3.64
0	5.44E-01	0.39
0	1.37E-01	2.02
0	2.60E-01	1.86
1785	4.24E-01	1.22
1	6.63E-01	1.11
1	7.34E-01	0.90
0	5.53E-01	1.78
0	8.71E-01	0.79
1	8.91E-02	1.81
0	1.08E-01	0.39
0	4.05E-01	2.36
99	3.23E-01	0.90
99	3.30E-01	0.90
0	7.71E-01	1.40
3	1.02E-01	1.51
47	9.69E-01	1.00
0	4.22E-01	0.42
0	9.12E-01	0.93
0	2.13E-01	0.21
1	2.26E-01	0.53
0	3.51E-01	0.65
0	9.10E-02	2.14
0	4.91E-02	4.52
0	4.63E-01	1.93
0	5.83E-01	1.46
74	3.60E-01	1.10
0	1.41E-01	3.51
0	6.92E-02	0.46
0	2.75E-01	1.55
0	7.09E-01	0.77
0	1.75E-01	3.18
0	2.29E-01	3.85
309	5.44E-02	1.19
0	2.58E-01	1.53
0	6.61E-01	0.54
0	1.83E-01	0.14
0	5.04E-01	0.51

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	6.16E-01	1.20
2	6.69E-01	0.87
536	7.17E-01	1.03
0	1.16E-02	6.70
78	7.21E-01	1.04
0	2.83E-01	4.28
0	8.90E-01	1.19
0	1.23E-01	3.80
5	3.61E-01	1.19
0	8.29E-02	0.31
0	6.39E-01	1.68
588	3.89E-01	0.92
0	3.77E-02	0.19
573	6.02E-01	1.05
0	1.95E-01	0.44
18	9.64E-01	1.01
0	8.02E-01	0.70
0	7.67E-02	0.06
0	1.56E-01	4.94
0	3.09E-01	0.45
0	8.63E-01	0.78
655	7.72E-01	0.97
0	6.07E-01	0.70
0	5.68E-01	0.44
0	6.86E-01	1.19
0	7.53E-01	0.70
461	4.10E-01	0.93
8	7.85E-01	0.95
164	1.11E-01	0.85
2	5.20E-01	1.15
0	1.44E-01	5.62
0	2.45E-01	1.81
0	4.30E-01	0.37
0	7.87E-01	0.69
0	3.02E-01	0.47
270	8.97E-01	0.99
0	3.49E-01	1.40
313	8.01E-01	1.02
322	5.98E-01	1.05
1089	3.75E-01	1.10
38	5.25E-01	1.08
1	8.31E-01	1.10
409	1.28E-01	1.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.96E-01	1.00
0	8.91E-01	0.93
0	5.70E-01	0.44
0	7.58E-01	0.79
0	7.02E-01	0.81
0	5.51E-01	1.91
8	1.73E-01	1.33
8	1.73E-01	1.33
0	6.51E-01	0.53
0	7.14E-01	0.81
0	8.56E-01	0.80
8	1.73E-01	1.33
1	4.31E-02	0.49
1174	8.96E-01	0.99
1059	5.73E-01	1.06
0	1.97E-01	3.38
0	5.36E-01	0.59
0	1.18E-01	1.93
1	8.43E-01	0.86
20	1.93E-01	1.21
0	7.28E-01	1.47
0	7.91E-01	0.92
0	4.92E-01	1.26
5	5.78E-01	1.12
0	1.60E-01	1.91
19	3.22E-01	1.16
19	3.29E-01	1.16
0	4.64E-01	0.81
0	7.41E-02	6.49
1	3.04E-01	0.77
30	9.21E-01	1.01
0	8.94E-01	1.13
24	8.96E-01	0.98
1512	8.01E-02	0.78
0	7.81E-01	0.88
9	2.15E-01	0.81
222	1.19E-01	0.86
529	8.21E-01	0.98
1	5.32E-02	2.56
0	2.99E-01	0.24
0	5.91E-01	0.62
43	5.96E-01	0.93
7	2.66E-01	1.21

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.15E-02	0.08
0	6.86E-01	1.50
0	8.50E-01	0.76
0	6.59E-01	2.39
4	6.24E-01	0.91
1	8.77E-01	1.16
0	1.15E-01	2.29
0	9.42E-01	1.03
1874	8.39E-01	1.10
0	3.90E-01	2.90
0	6.61E-02	4.90
0	8.91E-01	0.85
0	5.19E-01	1.83
1	2.30E-01	0.52
1	6.90E-01	1.11
0	2.82E-02	7.48
1123	4.35E-01	1.09
0	6.13E-01	1.54
1121	4.76E-01	1.08
767	8.98E-02	0.85
0	8.23E-01	1.08
0	1.80E-01	0.51
0	6.85E-01	0.86
0	9.15E-01	0.94
0	6.07E-01	2.37
90	7.03E-01	1.04
0	9.50E-01	1.06
0	9.54E-01	1.06
0	9.13E-01	0.90
0	8.60E-01	0.86
0	4.29E-01	0.36
10	8.63E-01	0.97
0	6.18E-01	1.44
0	4.79E-01	1.62
0	2.89E-01	2.35
0	9.34E-01	0.92
0	4.77E-01	2.35
327	8.59E-01	1.02
0	8.38E-01	0.82
14	8.39E-01	1.04
0	6.26E-01	1.14
0	9.57E-01	1.02
4	9.10E-01	0.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

57	3.03E-01	0.88
0	4.54E-01	1.88
0	5.75E-01	2.19
6	5.39E-01	0.89
0	3.04E-01	1.57
871	9.28E-01	0.99
0	5.29E-01	0.51
0	4.53E-01	0.66
0	7.19E-02	0.11
1074	7.88E-01	1.03
0	5.97E-01	1.70
118	2.35E-01	0.87
0	6.72E-01	1.52
6	6.33E-02	1.35
0	3.44E-01	3.10
0	4.73E-01	1.77
1	8.04E-03	2.31
0	3.60E-01	0.56
2	7.95E-01	0.93
0	4.11E-01	0.45
0	9.67E-01	1.06
71	7.61E-01	1.03
0	4.00E-02	0.06
0	5.79E-01	0.57
0	5.19E-01	0.58
0	9.23E-01	1.09
1905	3.58E-01	0.58
159	1.09E-01	1.17
0	8.33E-01	1.24
0	3.58E-01	1.73
0	3.58E-01	1.73
0	6.20E-01	1.46
0	9.46E-01	0.90
2	7.45E-01	1.17
2	4.39E-01	1.23
0	2.61E-01	3.32
1	7.66E-01	1.10
0	6.64E-01	1.73
0	6.37E-01	0.55
0	8.36E-01	1.24
0	8.18E-01	0.77
0	3.66E-01	2.16
0	5.36E-01	1.73

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.10E-01	1.48
0	1.74E-01	1.88
0	5.25E-01	1.86
0	3.96E-01	1.41
0	4.93E-01	1.38
0	3.71E-01	1.75
0	4.08E-01	1.65
0	7.49E-01	0.64
0	2.60E-01	0.38
494	1.64E-02	0.80
3	3.33E-02	1.51
0	6.07E-01	1.68
0	2.79E-01	1.85
0	3.67E-01	0.39
0	9.30E-02	6.00
0	2.56E-01	3.15
1	1.59E-01	0.52
0	7.61E-01	1.24
1	2.13E-01	1.85
0	6.96E-02	4.77
0	2.73E-01	2.42
0	9.96E-01	1.00
0	5.62E-01	1.29
212	4.24E-01	1.08
0	6.97E-01	0.59
0	7.57E-01	1.33
0	5.65E-01	0.43
27	8.64E-01	0.98
2	4.86E-02	0.54
11	3.83E-01	1.15
2	4.94E-02	0.54
0	5.93E-01	0.59
26	8.89E-01	0.98
2	8.36E-01	0.94
11	3.65E-01	1.16
0	8.95E-01	0.91
0	5.42E-01	1.81
0	5.47E-01	1.42
0	2.64E-01	2.99
8	1.44E-02	1.56
1560	3.71E-01	0.88
0	9.86E-02	0.44
5	2.03E-01	0.73

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.26E-01	1.40
0	8.20E-01	1.20
0	2.96E-01	1.60
0	5.99E-01	1.55
0	8.25E-01	0.89
1513	3.45E-01	0.87
1558	1.95E-01	0.83
0	5.49E-01	1.88
0	1.73E-01	4.31
0	5.64E-01	1.75
0	6.15E-02	0.32
0	9.84E-01	0.98
0	5.00E-01	1.60
667	1.48E-01	0.88
1115	7.49E-01	0.97
1114	7.50E-01	0.97
0	6.11E-01	1.71
0	6.23E-01	0.78
0	4.59E-01	2.08
0	9.20E-01	1.10
0	4.73E-01	1.41
0	9.38E-01	0.95
0	2.33E-01	3.64
1490	5.55E-01	0.92
0	1.60E-01	3.70
0	9.79E-02	2.09
0	5.87E-01	1.38
15	5.66E-01	0.91
0	9.35E-01	0.93
1143	9.36E-01	0.99
0	1.95E-01	0.16
0	6.85E-01	0.67
0	1.29E-01	1.66
0	3.48E-01	0.72
690	6.31E-01	0.96
0	7.48E-01	1.16
0	5.05E-01	0.81
0	9.09E-01	0.96
1516	8.81E-01	0.98
0	8.70E-01	1.30
0	6.89E-01	2.51
0	8.56E-01	1.26
2	6.12E-01	0.86

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.26E-01	0.84
0	3.87E-01	0.47
257	2.25E-01	0.90
258	2.20E-01	0.89
0	8.97E-01	1.05
0	9.72E-01	0.96
0	4.95E-01	2.22
183	6.54E-01	0.96
0	4.28E-01	1.35
0	6.01E-01	0.52
1746	4.60E-01	0.85
0	3.96E-01	0.36
0	4.67E-01	0.61
1	4.92E-01	1.19
0	4.26E-01	1.70
0	7.24E-01	0.78
1	8.82E-01	1.10
4	7.85E-01	0.94
59	3.81E-01	0.90
0	5.65E-01	1.52
1	6.94E-01	0.77
0	7.43E-01	1.22
8	3.22E-01	1.18
8	3.97E-01	1.15
0	3.38E-01	1.25
6	4.42E-01	1.15
0	3.72E-01	2.72
0	1.71E-01	1.96
26	3.01E-01	0.85
527	1.01E-01	1.16
4	1.85E-02	1.66
0	1.86E-01	0.41
1879	2.76E-01	1.62
1038	5.50E-01	1.06
11	6.93E-01	1.07
1	9.41E-01	1.04
0	8.53E-01	1.07
0	6.17E-01	1.19
0	7.24E-02	3.62
0	1.80E-01	0.22
1920	7.12E-01	0.53
19	4.67E-01	0.89
0	7.90E-01	1.18

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.87E-01	0.72
112	2.33E-01	1.13
0	6.81E-01	1.42
0	6.63E-01	1.34
0	6.17E-01	1.33
0	5.93E-01	0.55
1152	9.76E-02	1.20
14	9.52E-01	0.99
0	2.23E-01	0.61
0	2.84E-01	3.17
0	5.83E-01	0.47
84	1.48E-01	0.85
0	9.85E-01	0.98
0	2.98E-01	3.14
0	8.80E-02	3.76
30	9.44E-01	0.99
14	9.55E-01	1.01
0	3.05E-01	0.27
0	1.54E-01	4.80
10	1.50E-01	1.27
0	1.18E-02	3.50
0	9.03E-01	1.07
0	1.60E-01	2.54
0	3.18E-01	0.38
0	2.44E-01	0.21
259	1.22E-01	1.16
1	9.19E-01	1.06
0	2.30E-01	3.37
1	6.41E-01	1.24
0	5.67E-01	0.66
0	8.35E-03	3.07
0	6.11E-01	1.26
0	8.17E-01	0.72
0	4.62E-02	7.41
0	7.63E-02	0.06
0	5.77E-01	1.44
0	6.00E-01	0.78
5	6.18E-01	0.90
0	8.94E-01	0.93
4	4.18E-01	0.83
0	9.24E-01	0.90
5	2.46E-01	1.23
0	5.50E-01	0.69

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.11E-01	1.40
0	7.10E-01	1.44
139	8.90E-01	1.01
0	7.41E-01	0.63
0	1.12E-01	0.15
4	3.78E-01	0.79
0	5.64E-01	1.21
1	2.11E-02	0.44
0	3.01E-02	2.38
0	3.43E-01	2.11
0	3.17E-01	2.62
0	7.41E-01	0.63
12	5.65E-01	1.10
94	7.37E-01	1.04
94	6.69E-01	1.05
0	9.85E-01	1.02
0	6.61E-01	1.57
33	3.95E-01	1.12
297	3.82E-01	1.08
0	1.51E-01	0.14
0	4.99E-01	0.62
0	5.77E-01	0.68
1	6.11E-01	0.84
0	7.24E-02	0.26
424	8.03E-01	1.02
705	3.96E-01	1.08
365	7.99E-01	1.02
0	4.46E-01	1.41
0	8.65E-01	1.07
1370	8.12E-01	0.97
1	9.09E-01	1.04
0	6.39E-01	0.52
7	7.98E-01	0.96
0	6.07E-02	2.59
0	5.80E-01	1.19
0	7.95E-01	1.51
0	5.03E-01	1.37
51	3.12E-01	0.88
0	4.20E-01	1.90
0	8.31E-01	0.83
0	9.85E-01	1.04
0	9.46E-01	0.91
0	4.77E-01	1.61

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.25E-01	0.57
0	4.64E-01	0.37
1	1.34E-01	2.10
0	8.30E-01	1.14
3	1.01E-01	1.45
7	3.07E-01	0.81
0	7.82E-01	0.90
0	1.37E-01	2.91
0	5.27E-01	0.48
0	2.72E-01	0.25
0	5.09E-02	6.55
0	1.10E-01	6.69
1	4.41E-01	0.72
0	3.11E-01	1.54
0	9.59E-01	0.93
0	2.17E-01	0.20
0	5.42E-02	0.05
0	9.52E-01	1.07
0	8.13E-01	0.77
0	4.46E-01	0.61
1	5.78E-01	0.77
0	6.59E-01	1.64
0	3.71E-01	2.66
1	1.38E-01	0.51
0	8.76E-01	1.07
0	6.17E-01	1.44
0	6.36E-01	0.65
0	4.28E-02	10.28
259	4.39E-01	1.08
1	6.11E-01	1.41
1	7.95E-01	0.86
0	6.94E-01	1.17
0	2.89E-01	0.25
0	8.52E-02	2.93
0	4.22E-01	0.45
0	2.61E-01	2.39
0	2.61E-01	2.39
0	9.98E-01	1.00
0	3.51E-01	1.79
4	8.24E-01	1.05
4	7.71E-01	1.06
0	3.71E-01	0.39
0	8.45E-01	0.77

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.50E-01	1.73
0	6.36E-01	0.61
0	2.87E-01	2.53
0	7.05E-01	1.17
0	5.69E-01	0.79
0	1.57E-01	0.53
0	9.56E-01	0.96
0	5.11E-02	0.17
0	7.76E-01	0.75
1	6.52E-01	1.31
160	7.36E-01	1.03
0	9.66E-01	0.97
33	9.35E-01	0.99
158	8.85E-01	0.99
34	7.60E-01	1.04
1	1.92E-01	1.50
55	3.81E-02	1.29
0	4.70E-01	0.75
0	8.23E-01	0.78
0	6.03E-01	1.59
0	3.19E-01	1.64
0	5.79E-01	0.72
0	3.68E-01	1.48
0	4.81E-02	0.38
356	3.79E-01	0.92
0	6.56E-01	1.59
0	3.42E-02	0.11
0	8.16E-01	1.17
0	7.69E-02	5.26
0	8.35E-01	1.22
0	6.02E-02	3.65
0	8.03E-01	0.79
0	1.24E-01	1.85
0	8.82E-01	1.07
1	9.89E-01	0.99
0	4.37E-01	0.35
154	2.86E-01	0.90
1	1.54E-01	1.55
0	8.22E-01	1.58
0	1.70E-01	4.72
0	3.88E-01	2.60
1016	9.82E-01	1.00
0	1.64E-01	1.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.58E-01	1.89
0	9.31E-01	0.95
83	4.03E-01	1.10
1	1.94E-01	0.56
0	9.21E-01	1.06
2	3.29E-01	0.75
2	3.31E-01	0.75
0	2.26E-01	2.35
2	3.89E-01	0.77
0	3.01E-01	2.11
1	3.19E-02	0.51
0	3.68E-01	2.46
2	2.17E-01	0.69
0	3.39E-01	0.53
0	7.89E-01	1.12
218	1.30E-01	0.86
1	5.84E-01	1.25
0	9.97E-01	1.00
26	9.86E-01	1.00
0	4.50E-01	1.90
58	6.02E-01	0.94
404	9.97E-01	1.00
0	7.02E-01	1.25
0	9.41E-01	1.06
393	6.05E-01	1.05
1	7.01E-01	1.22
0	4.18E-01	1.21
0	5.03E-01	1.23
0	5.01E-01	0.68
0	2.14E-01	0.23
0	7.03E-01	1.43
0	4.55E-01	1.25
0	6.90E-01	1.16
2	3.85E-01	1.25
352	4.71E-02	0.83
0	4.88E-01	2.17
0	5.86E-01	0.48
0	9.55E-01	0.91
2	2.06E-01	1.30
0	3.94E-01	0.54
21	5.61E-01	1.09
406	1.77E-03	0.74
0	3.85E-01	2.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	1.75E-01	0.65
0	3.55E-01	0.53
0	6.84E-01	1.14
0	6.59E-01	0.62
0	7.29E-02	3.08
152	7.95E-01	1.03
0	9.67E-01	1.05
49	8.65E-01	0.98
0	3.64E-01	0.74
0	4.11E-01	2.12
441	5.11E-01	0.94
27	5.08E-01	1.09
0	8.12E-02	3.60
99	7.96E-01	0.97
0	2.81E-01	2.65
0	1.69E-01	4.54
0	5.93E-01	1.64
2	1.43E-02	0.53
0	7.35E-01	0.82
1	9.76E-01	1.01
0	6.28E-01	1.71
0	1.70E-01	0.29
134	8.40E-01	0.98
0	5.34E-02	2.33
0	2.48E-01	0.36
0	6.46E-01	1.38
22	4.35E-01	1.12
5	8.52E-03	0.50
0	4.47E-01	2.39
0	5.02E-01	1.59
7	8.52E-01	1.04
0	5.89E-01	1.53
0	9.55E-01	0.92
0	3.70E-01	2.18
0	4.75E-02	0.06
0	2.26E-01	4.87
0	5.17E-01	0.49
0	1.23E-01	0.38
0	9.82E-01	1.03
0	1.69E-01	0.15
0	2.82E-01	0.22
0	7.15E-01	1.49
0	2.69E-01	2.28

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

31	2.83E-01	0.86
9	5.47E-01	1.11
1721	9.07E-01	0.98
0	5.28E-01	0.50
0	4.90E-01	1.39
0	9.19E-01	1.10
0	5.86E-01	0.63
2	9.50E-01	0.98
0	5.28E-01	1.46
0	4.72E-01	2.08
3	9.82E-01	1.00
352	3.97E-01	0.92
1113	7.20E-01	0.96
0	4.22E-01	0.59
2	4.72E-01	1.25
354	1.74E-01	1.13
0	9.64E-02	5.20
664	2.84E-01	0.91
0	2.97E-01	0.28
23	5.69E-01	1.08
0	1.43E-02	10.37
0	4.43E-01	0.35
0	4.43E-01	0.35
0	4.43E-01	0.35
0	2.19E-01	1.98
0	8.18E-01	0.83
928	3.83E-02	1.22
25	4.82E-01	1.10
414	2.33E-01	1.11
25	4.31E-01	1.11
25	4.48E-01	1.11
25	4.31E-01	1.11
0	1.37E-01	0.24
0	8.37E-01	0.78
25	4.44E-01	1.11
908	2.19E-01	1.13
606	1.23E-01	0.87
33	3.36E-01	1.13
0	3.15E-01	2.72
3	2.18E-01	0.75
3	1.99E-01	0.74
222	6.59E-01	0.96
1	5.75E-01	1.20

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.24E-01	3.48
0	9.04E-03	14.59
0	4.88E-01	2.52
0	2.93E-01	0.24
0	8.97E-01	1.08
0	6.31E-01	1.41
0	5.08E-01	0.37
0	8.11E-01	1.14
0	8.11E-01	1.14
0	7.95E-01	1.23
3	6.71E-01	1.11
0	2.91E-01	0.40
0	8.63E-01	0.94
0	8.72E-01	0.83
2	1.60E-01	0.60
0	7.26E-01	0.72
0	3.71E-01	0.33
0	7.57E-01	1.27
0	2.22E-01	3.99
15	8.04E-01	0.96
0	7.86E-01	1.23
0	2.40E-01	0.44
0	5.97E-01	1.79
0	2.80E-02	0.14
0	6.31E-02	0.11
372	8.73E-02	0.86
0	8.71E-01	0.85
4	2.73E-01	1.30
0	5.87E-01	0.66
0	2.13E-01	0.24
0	1.44E-02	7.21
589	5.19E-01	1.06
120	9.29E-01	0.99
0	5.04E-01	0.50
13	2.36E-01	0.81
0	4.56E-01	1.91
0	7.36E-01	0.61
0	5.41E-01	0.59
0	7.60E-01	1.23
3	3.74E-02	0.57
0	8.01E-01	0.79
1	9.29E-01	0.97
0	5.24E-01	1.50

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

82	2.88E-01	1.12
0	3.74E-01	1.86
0	3.93E-02	4.92
0	7.62E-01	0.87
0	5.95E-01	1.22
1324	9.25E-01	0.99
0	9.86E-01	0.99
456	8.78E-01	0.99
456	8.78E-01	0.99
0	7.63E-01	1.23
1	6.30E-01	1.28
2	8.91E-01	0.97
1	9.76E-01	0.99
48	1.99E-01	1.16
49	2.53E-01	1.15
0	3.64E-01	2.20
0	7.14E-01	1.29
391	2.03E-01	0.89
1335	3.34E-01	1.12
0	1.49E-01	0.31
3	4.18E-02	0.63
3	8.22E-01	1.06
4	7.40E-01	1.07
734	9.21E-01	1.01
0	3.42E-01	2.53
0	5.23E-01	0.40
0	7.63E-01	0.66
1	6.53E-01	1.17
0	7.36E-01	0.72
0	5.39E-01	1.55
220	5.94E-01	1.05
0	9.23E-01	0.96
915	2.97E-02	0.81
0	9.86E-02	1.56
1406	1.16E-01	0.82
0	5.91E-01	1.95
4	1.03E-01	0.66
0	9.11E-01	1.17
11	7.95E-01	0.96
2	1.73E-01	1.44
0	3.90E-01	2.37
26	3.11E-01	1.16
26	3.35E-01	1.16

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.12E-02	3.09
0	7.60E-01	0.86
0	9.01E-01	0.89
0	6.60E-01	0.66
0	1.98E-01	1.67
0	9.99E-03	6.04
12	8.73E-02	0.75
0	2.52E-01	0.28
0	9.04E-01	1.09
0	2.06E-01	0.63
0	9.99E-02	2.81
0	5.74E-01	1.49
4	5.99E-01	0.91
0	3.75E-01	2.31
4	6.55E-01	0.92
5	9.37E-01	0.99
148	2.07E-01	1.14
67	1.92E-01	1.16
67	1.92E-01	1.16
0	3.17E-01	0.62
36	2.79E-01	0.87
48	5.32E-01	1.08
0	3.67E-01	1.67
0	8.70E-01	1.16
0	4.61E-01	0.34
0	9.58E-02	3.49
0	8.06E-01	1.20
0	8.13E-01	0.76
3	9.48E-01	1.02
0	5.66E-01	1.62
14	9.38E-01	1.01
0	7.77E-01	1.24
0	4.97E-01	1.49
0	9.11E-01	1.07
1	7.78E-01	1.15
0	6.06E-01	0.47
0	2.26E-01	2.83
0	5.01E-01	0.40
887	5.12E-01	1.06
4	8.70E-01	0.96
39	6.03E-01	1.07
727	4.58E-01	0.93
22	2.44E-01	0.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.18E-01	0.71
0	1.44E-01	2.70
0	1.44E-01	2.70
0	1.77E-02	11.75
23	8.96E-01	0.98
0	2.29E-03	9.88
0	3.01E-01	3.00
61	3.92E-01	0.91
1684	3.18E-01	0.84
0	4.60E-01	0.37
0	6.07E-01	0.44
0	9.59E-01	0.95
159	8.31E-01	0.98
18	3.95E-01	0.88
0	1.50E-01	3.55
1350	7.78E-01	1.03
0	4.76E-02	0.38
0	4.49E-01	3.82
34	7.46E-01	1.04
0	4.19E-01	0.57
0	3.92E-01	1.62
0	6.33E-01	1.57
0	7.11E-01	1.32
46	6.80E-02	0.79
0	6.44E-01	1.21
0	1.75E-01	0.27
2	6.75E-02	1.56
84	2.40E-01	1.14
0	2.76E-01	0.26
0	6.38E-01	0.52
8	5.66E-01	1.12
199	3.55E-01	0.91
5	9.54E-01	1.01
0	1.20E-01	4.55
1	6.24E-01	0.82
4	9.93E-01	1.00
0	9.98E-01	1.00
1	4.29E-01	1.29
0	3.06E-01	0.27
0	1.69E-01	4.08
130	3.10E-01	0.90
0	6.91E-01	0.65
0	8.91E-01	0.92

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.50E-01	0.79
0	8.43E-01	0.91
0	9.97E-01	1.00
273	3.07E-01	1.10
1	1.02E-01	0.31
0	1.83E-01	4.50
0	4.68E-01	2.31
192	6.90E-01	0.96
362	8.83E-01	0.99
0	9.89E-01	1.01
1	3.76E-01	1.45
0	2.15E-01	3.08
15	6.20E-01	0.92
0	3.26E-01	1.74
9	2.89E-01	1.24
70	1.38E-01	0.84
6	1.38E-02	1.70
0	1.54E-01	3.30
4	2.28E-01	0.76
0	9.28E-01	0.91
10	6.35E-01	1.09
9	9.14E-01	1.02
0	8.50E-01	1.08
0	4.85E-01	1.56
0	7.73E-01	1.27
879	3.97E-03	1.32
0	5.91E-01	0.55
1860	5.89E-01	1.20
1163	5.68E-02	0.81
0	5.09E-01	0.40
1170	4.59E-02	0.81
0	8.09E-01	1.09
0	9.59E-02	0.33
0	7.45E-01	1.13
26	4.49E-01	0.89
1	9.80E-01	0.99
1	9.07E-01	0.95
0	8.60E-01	1.07
0	5.37E-01	2.11
0	3.28E-01	2.33
28	1.28E-01	1.22
0	4.23E-01	2.71
0	7.07E-01	1.13

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.12E-01	0.86
0	3.10E-01	0.44
0	8.92E-01	1.07
77	4.67E-01	0.92
0	9.38E-01	0.89
0	5.27E-02	3.92
0	7.09E-01	0.75
0	3.26E-01	0.27
0	8.51E-01	0.90
354	7.99E-01	1.02
4	8.86E-01	0.96
92	3.37E-01	0.90
237	8.24E-01	1.02
237	8.06E-01	1.02
14	1.40E-01	1.25
5	1.54E-01	0.72
0	6.20E-01	0.75
263	2.69E-01	1.11
0	2.98E-01	0.25
1846	3.73E-01	1.36
17	5.25E-02	1.32
0	6.55E-01	0.72
0	3.10E-01	0.64
28	9.84E-01	1.00
799	9.52E-01	1.01
310	7.92E-01	0.98
0	4.94E-01	0.53
0	8.13E-01	0.77
0	4.15E-01	0.38
44	8.44E-01	0.98
0	3.17E-01	0.34
219	8.77E-01	1.01
0	7.71E-01	0.84
0	5.96E-01	0.65
0	9.00E-01	0.89
1	2.27E-01	0.28
0	3.03E-01	0.34
120	3.02E-01	1.11
0	9.45E-01	0.92
234	2.24E-01	1.12
68	8.74E-01	0.98
268	7.47E-01	0.97
0	3.22E-02	7.31

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.70E-01	2.82
0	4.60E-01	1.96
8	4.87E-01	0.89
0	7.41E-01	0.63
1	2.94E-02	1.82
0	2.48E-01	0.18
15	6.97E-01	0.94
0	1.76E-01	0.30
0	9.16E-01	0.94
0	1.88E-01	4.40
19	6.20E-01	1.08
0	2.07E-01	2.02
0	7.44E-01	1.77
0	5.01E-01	0.40
9	1.19E-01	0.76
0	1.62E-01	2.05
0	8.53E-01	0.84
0	2.35E-01	1.84
0	7.62E-01	1.38
0	1.94E-01	2.77
0	7.72E-01	1.17
0	9.94E-01	0.99
0	4.52E-01	0.58
3	5.34E-01	1.13
0	3.99E-01	0.50
0	6.88E-01	0.77
0	3.25E-02	3.43
630	1.50E-01	0.88
0	9.70E-03	3.52
0	5.12E-01	1.69
77	4.44E-01	0.92
0	5.42E-02	3.78
0	7.39E-01	1.25
0	7.77E-01	0.81
0	1.62E-01	3.84
0	9.86E-01	0.98
1	4.77E-01	1.38
1	4.77E-01	1.38
0	1.81E-01	2.42
1137	4.90E-01	0.93
1138	4.67E-01	0.93
0	4.82E-01	0.69
0	3.00E-02	10.74

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.62E-01	1.27
15	3.71E-01	1.17
0	8.81E-01	0.80
460	3.39E-01	1.09
0	2.34E-01	1.48
2	1.08E-01	0.52
0	8.97E-01	1.10
4	6.53E-01	1.13
1	9.94E-01	1.00
0	6.59E-02	0.14
0	2.99E-01	0.40
0	2.59E-01	0.57
118	9.86E-01	1.00
0	3.69E-01	1.99
1	5.89E-01	1.28
0	7.45E-01	1.29
264	8.25E-01	1.02
0	8.08E-01	0.87
0	9.88E-02	0.16
1	1.05E-01	1.47
0	5.07E-01	0.48
0	3.61E-01	3.66
65	6.02E-01	1.06
101	8.98E-01	1.01
2	7.84E-01	0.87
0	8.07E-01	1.24
0	1.69E-01	2.27
0	6.05E-01	1.92
0	6.14E-01	0.53
0	4.38E-01	1.48
0	4.38E-01	1.48
0	4.40E-01	1.48
0	6.81E-01	1.25
0	4.52E-01	1.93
0	2.57E-01	2.02
0	9.12E-01	0.95
0	5.61E-01	1.73
0	4.78E-01	0.36
0	4.29E-01	1.43
0	4.74E-01	2.00
0	7.00E-01	1.48
5	1.09E-01	1.37
168	3.25E-01	0.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.64E-01	1.02
0	4.51E-01	0.34
1351	8.57E-01	1.02
0	4.76E-01	0.48
74	3.84E-01	0.91
1	4.90E-01	1.88
74	7.16E-01	0.96
235	4.53E-01	1.07
778	1.91E-01	1.13
234	4.60E-01	1.07
234	4.33E-01	1.08
5	8.70E-01	0.96
0	3.54E-01	0.46
0	8.50E-01	1.18
0	3.23E-01	2.82
54	2.14E-01	1.17
0	1.60E-02	21.71
0	2.16E-02	0.40
1	2.67E-01	1.66
0	2.70E-01	3.48
240	5.49E-01	0.94
0	4.57E-01	0.75
0	8.34E-01	0.88
0	4.23E-01	1.97
0	9.48E-01	1.04
0	8.45E-02	2.28
0	6.03E-01	0.74
0	9.34E-01	0.93
3	3.66E-01	0.81
0	3.46E-01	2.85
1	1.58E-01	1.42
0	7.40E-01	1.42
0	3.43E-02	0.20
0	4.79E-01	1.28
0	9.45E-02	0.34
0	8.78E-02	7.66
0	2.81E-01	0.70
35	2.68E-01	0.86
49	9.48E-01	1.01
53	7.10E-01	1.05
0	9.65E-01	0.96
0	8.97E-01	1.16
0	4.98E-01	0.67

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.18E-01	1.47
0	5.96E-01	1.38
18	8.30E-01	0.97
1330	8.34E-01	0.98
0	3.15E-01	0.61
0	6.44E-01	0.77
0	3.15E-01	0.61
0	3.15E-01	0.61
1	3.42E-01	1.32
0	3.15E-01	0.61
0	9.67E-01	0.94
438	9.73E-01	1.00
1	7.38E-01	1.18
0	1.82E-01	0.28
1	1.70E-01	1.87
0	8.68E-01	1.17
329	8.66E-01	1.02
0	9.23E-01	1.19
0	4.79E-01	0.76
1616	5.92E-01	1.09
0	2.80E-02	4.84
0	7.79E-01	0.85
41	4.36E-01	1.11
0	8.53E-01	0.92
2	1.98E-01	0.75
8	9.65E-01	1.01
0	5.65E-01	1.85
0	8.53E-01	0.92
0	6.82E-01	1.46
0	9.22E-01	0.90
0	7.79E-01	1.56
213	9.20E-01	1.01
0	8.53E-01	0.92
0	4.22E-01	0.33
11	4.47E-01	0.87
0	8.68E-01	0.91
0	8.53E-01	0.92
2	9.14E-01	1.03
0	8.53E-01	0.92
817	8.07E-01	0.98
0	8.53E-01	0.92
16	7.35E-01	1.05
0	8.53E-01	0.92

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.53E-01	0.92
0	5.30E-01	1.38
0	7.18E-01	1.13
0	8.53E-01	0.92
0	3.06E-01	2.37
0	7.07E-01	0.59
31	4.44E-01	0.91
0	5.83E-01	0.80
0	1.19E-01	4.14
0	6.01E-02	0.11
11	7.07E-01	0.94
0	6.42E-01	1.24
22	7.61E-01	1.04
22	7.61E-01	1.04
4	2.03E-01	0.77
1922	1.00E+00	0.97
0	4.46E-01	0.57
1	4.43E-01	1.28
5	2.17E-01	1.25
0	3.17E-01	0.33
0	3.46E-01	0.29
0	9.85E-01	0.98
354	1.14E-01	0.87
0	9.67E-01	1.03
313	3.75E-01	1.08
0	3.17E-01	1.82
24	6.24E-01	0.93
0	5.88E-01	1.86
1	6.62E-01	0.89
0	3.79E-01	1.43
1	2.00E-01	1.55
1922	1.00E+00	0.97
12	1.29E-01	1.27
57	8.66E-01	1.02
851	1.02E-01	0.86
1756	2.16E-01	1.35
0	5.31E-01	0.55
167	1.03E-02	1.28
0	7.79E-01	1.36
40	7.41E-01	1.05
0	7.59E-01	0.72
0	7.68E-01	0.71
501	8.55E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.03E-01	1.45
0	4.70E-01	2.11
0	7.88E-01	1.36
130	7.44E-01	1.03
0	2.39E-01	0.70
0	7.51E-01	1.27
0	7.10E-01	1.38
0	1.97E-01	2.20
0	3.84E-01	0.45
0	9.14E-01	0.93
0	7.77E-01	1.34
0	9.21E-01	1.16
1	1.13E-01	1.63
0	8.59E-01	0.85
1911	3.31E-03	0.13
1	5.12E-01	1.23
0	2.08E-01	2.99
0	5.55E-01	0.75
0	5.46E-01	1.56
0	5.46E-01	1.56
2	3.52E-01	1.31
0	2.01E-01	2.51
3	4.55E-01	0.81
6	9.58E-01	1.01
6	9.77E-01	1.01
6	2.62E-01	1.25
1	1.31E-01	1.99
0	9.14E-01	0.94
0	5.69E-01	0.76
6	5.83E-01	0.87
1921	6.47E-01	2.06
0	5.92E-01	0.49
281	9.95E-01	1.00
282	9.06E-01	1.01
54	8.39E-01	1.02
0	6.36E-01	0.60
606	4.44E-01	1.07
0	9.64E-01	0.97
0	3.00E-01	2.82
8	3.16E-01	0.80
0	2.24E-01	0.60
0	1.92E-01	3.15
0	4.99E-01	2.03

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.92E-01	2.10
0	7.64E-01	0.71
0	7.83E-01	0.82
0	7.65E-02	2.69
1	5.07E-01	1.20
0	9.15E-01	0.92
0	4.68E-01	0.37
0	3.71E-01	0.36
0	1.08E-02	0.04
6	6.28E-02	1.43
1	2.38E-01	1.59
0	1.08E-02	0.04
0	1.63E-01	0.29
34	3.91E-01	1.12
0	7.06E-01	1.37
386	8.26E-01	1.02
0	6.70E-01	0.68
0	5.97E-01	0.75
0	6.77E-01	0.74
0	5.88E-01	0.61
1085	1.25E-02	0.78
1084	8.69E-03	0.77
1088	4.67E-02	0.82
3	8.98E-01	0.97
0	8.64E-01	0.78
315	4.64E-02	1.20
0	7.44E-01	1.50
20	3.93E-02	0.72
1	6.76E-01	1.52
0	5.61E-01	0.77
0	2.24E-02	9.36
0	7.95E-01	1.18
0	9.62E-01	1.05
0	8.74E-01	0.86
0	9.04E-02	2.02
1835	1.68E-01	0.67
0	9.44E-01	0.95
0	4.79E-02	0.07
0	4.97E-01	1.79
0	3.75E-01	2.24
0	6.46E-01	1.23
0	8.43E-01	1.22
1	8.89E-01	0.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	8.71E-01	1.04
76	5.83E-01	0.94
0	6.30E-01	1.29
0	8.27E-01	0.83
1	9.71E-01	0.97
159	3.18E-01	0.90
0	2.25E-01	0.21
0	5.47E-01	0.42
0	7.85E-01	1.17
4	1.14E-01	0.69
0	8.98E-05	7.53
1	3.10E-03	0.28
0	6.24E-01	1.45
0	5.68E-01	1.52
64	2.27E-01	1.14
117	3.10E-01	0.90
0	7.71E-01	1.29
1	5.44E-01	1.25
0	7.02E-03	10.28
0	4.35E-01	2.03
0	7.66E-01	0.73
0	3.71E-01	1.40
300	5.24E-01	1.06
0	6.90E-02	0.61
0	8.87E-01	1.25
16	6.02E-01	0.92
0	4.18E-02	12.99
3	5.80E-01	0.87
0	3.75E-01	0.45
1	5.98E-02	0.26
0	9.12E-01	1.15
4	7.61E-01	1.07
18	4.53E-01	0.89
0	3.40E-01	2.01
129	5.79E-01	1.06
1450	4.19E-02	0.78
670	9.13E-01	1.01
9	6.30E-01	1.09
0	9.54E-01	0.96
0	6.15E-01	1.27
0	2.95E-01	0.30
0	4.16E-01	0.61
0	1.90E-01	4.28

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.31E-01	0.76
0	1.87E-01	1.59
0	9.95E-01	0.99
0	2.27E-02	2.30
0	5.84E-01	0.72
0	2.72E-02	2.76
14	3.72E-01	0.85
0	3.25E-01	2.61
0	6.71E-01	0.76
0	5.93E-01	0.51
0	7.33E-01	0.76
0	7.13E-02	0.10
362	7.24E-01	1.03
0	9.48E-01	1.09
0	6.44E-01	0.58
243	8.28E-01	1.02
241	7.93E-01	1.03
0	1.11E-01	6.42
0	6.97E-01	1.26
882	5.17E-01	1.06
0	1.30E-01	2.37
0	8.17E-01	0.72
0	6.19E-01	0.75
4	8.97E-02	0.67
118	5.24E-01	0.94
0	4.15E-01	0.55
0	4.49E-01	0.77
0	4.77E-01	1.51
43	8.81E-01	0.98
0	8.51E-01	1.21
0	4.39E-01	1.77
0	9.18E-01	0.86
211	7.91E-01	0.97
0	9.98E-01	1.00
0	3.97E-01	1.91
0	1.19E-01	0.45
1	6.22E-01	0.86
0	5.95E-02	2.06
0	5.59E-01	2.69
0	8.68E-01	0.89
0	9.35E-01	0.94
0	7.54E-01	0.75
0	4.52E-01	1.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.48E-01	3.26
1	9.56E-02	1.47
2	7.67E-01	0.89
0	4.53E-01	1.56
0	9.08E-01	0.91
0	4.21E-01	2.15
0	6.84E-01	1.75
7	6.85E-01	1.08
0	9.63E-01	0.95
7	6.33E-01	1.09
0	3.55E-01	0.68
0	4.28E-01	0.48
0	7.53E-01	1.26
0	1.29E-01	0.47
4	8.57E-01	1.04
0	3.60E-01	3.28
0	7.46E-01	1.42
20	5.71E-01	1.09
0	1.03E-01	3.50
0	9.77E-01	1.01
0	8.68E-01	0.92
0	9.00E-01	1.21
1	7.29E-01	0.75
0	8.61E-01	1.14
2	9.59E-02	0.63
0	9.02E-01	0.96
4	1.65E-01	0.76
78	7.44E-01	0.96
1094	8.13E-02	0.83
0	3.49E-01	1.60
20	2.28E-01	1.20
44	9.93E-01	1.00
1	2.61E-01	0.46
0	7.00E-02	1.86
110	4.90E-01	1.08
8	9.41E-01	1.02
8	9.67E-01	1.01
26	6.75E-01	1.06
0	2.07E-01	2.47
0	7.00E-02	1.86
8	8.12E-01	1.05
0	3.81E-01	1.49
2	7.08E-01	0.87

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.06E-01	0.59
0	9.05E-01	1.04
0	5.14E-01	1.44
0	8.40E-01	1.16
1153	9.81E-01	1.00
0	7.65E-01	0.63
1375	7.43E-01	1.04
1242	8.08E-01	1.03
43	4.54E-01	0.91
0	2.94E-01	2.06
81	6.80E-01	0.95
0	6.75E-01	0.74
435	8.79E-01	1.01
1	2.21E-01	0.39
0	1.62E-01	2.00
0	1.24E-01	2.70
1	4.23E-01	0.69
0	5.13E-01	0.50
0	7.46E-01	1.20
0	3.21E-01	3.14
0	8.39E-04	11.89
0	8.20E-01	0.85
0	6.69E-01	0.53
300	2.01E-01	1.12
1908	6.87E-01	0.75
0	7.02E-01	0.67
0	7.14E-01	1.49
0	9.93E-01	0.99
1	8.20E-01	0.90
0	8.52E-01	1.27
0	3.59E-01	0.47
304	4.14E-01	1.08
0	5.75E-01	0.45
2	5.95E-01	0.78
1	9.76E-01	0.99
0	3.28E-01	2.27
549	6.91E-01	1.04
0	6.59E-01	0.86
0	8.04E-01	0.75
3	9.55E-01	0.99
0	7.39E-01	0.78
0	4.60E-01	0.36
0	1.36E-01	3.45

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.90E-01	0.36
0	1.84E-01	0.14
0	9.69E-01	0.96
0	4.65E-01	0.52
0	4.24E-01	0.47
0	9.73E-01	1.02
0	3.45E-01	0.25
0	6.02E-01	1.68
0	4.21E-01	1.86
3	8.30E-01	1.06
27	8.79E-01	0.98
5	2.77E-01	1.26
40	8.54E-01	0.98
0	9.68E-01	0.98
2	2.33E-01	0.71
6	8.70E-01	1.04
4	2.72E-02	0.50
0	4.48E-01	0.37
0	5.21E-01	0.79
0	7.14E-01	1.48
0	3.62E-02	3.59
1	3.79E-01	1.55
0	3.17E-01	0.27
0	3.44E-01	0.51
0	9.77E-01	0.98
126	2.08E-01	1.14
0	7.34E-02	0.07
0	2.82E-01	0.25
0	4.04E-02	0.18
449	3.88E-01	1.08
0	3.00E-01	2.64
0	1.16E-02	8.25
0	9.30E-01	1.09
0	3.59E-01	1.88
0	2.02E-01	4.13
0	7.95E-01	1.52
0	8.48E-01	0.83
0	9.08E-02	0.10
2	1.35E-01	1.40
11	1.00E+00	1.00
0	3.54E-01	2.76
0	1.00E-01	2.90
167	7.10E-01	1.04

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.39E-01	1.22
261	7.15E-01	1.03
0	4.39E-01	2.28
0	1.70E-01	3.52
0	5.96E-01	0.48
0	6.96E-01	0.74
115	7.96E-01	0.97
116	7.79E-01	0.97
0	2.58E-01	3.24
0	5.98E-01	1.27
0	5.50E-02	0.09
0	8.87E-01	0.94
0	1.05E-01	0.62
0	4.81E-01	0.51
0	3.50E-01	1.37
576	9.40E-01	0.99
0	1.64E-01	0.33
0	6.87E-01	1.45
0	5.23E-01	1.24
0	9.06E-02	4.89
63	8.43E-01	0.98
0	8.02E-01	1.20
0	2.66E-01	2.18
0	2.21E-01	1.79
0	9.37E-01	0.92
0	7.01E-01	1.36
0	7.68E-01	1.16
0	1.73E-01	0.16
3	3.15E-01	0.77
0	9.80E-01	1.04
0	6.44E-01	0.67
0	4.75E-01	2.24
0	8.13E-01	0.81
0	8.54E-01	0.83
3	4.85E-01	0.83
0	1.22E-01	2.61
1	1.86E-01	0.57
0	4.11E-01	0.51
1	5.38E-01	0.77
39	7.20E-01	1.05
0	9.74E-01	1.03
0	3.58E-01	0.60
0	7.50E-01	0.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.14E-01	1.34
0	4.71E-01	2.22
0	5.62E-01	0.56
0	5.59E-01	1.43
1641	8.67E-01	0.97
1	6.75E-01	0.81
4	1.57E-01	1.36
0	5.64E-01	2.66
2	7.87E-01	0.94
0	9.27E-01	1.06
6	1.81E-01	1.30
0	9.27E-01	1.06
0	7.19E-01	0.77
0	9.28E-01	1.07
0	1.90E-01	3.28
10	3.89E-02	0.67
0	4.95E-01	0.38
0	4.60E-01	1.37
0	3.29E-01	0.24
156	1.09E-01	1.17
0	4.84E-01	1.81
156	9.45E-02	1.18
0	3.20E-01	2.50
0	1.60E-01	0.30
16	1.04E-01	0.78
0	4.77E-01	0.40
0	5.95E-01	0.45
0	6.23E-01	1.61
0	9.03E-01	0.84
0	2.73E-02	3.41
626	1.40E-01	1.14
0	6.53E-01	1.40
0	2.01E-01	3.25
0	6.02E-01	1.45
0	8.39E-02	0.07
0	8.43E-01	0.78
0	3.56E-01	2.77
0	1.85E-01	2.67
0	5.11E-01	0.52
0	5.11E-02	5.31
90	6.69E-01	0.95
53	9.97E-01	1.00
54	9.48E-01	0.99

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

54	8.82E-01	0.98
58	9.57E-01	1.01
58	9.66E-01	1.00
0	8.93E-01	1.11
1	3.85E-01	0.69
0	6.50E-01	1.47
0	4.29E-01	0.29
0	9.33E-01	0.92
0	7.21E-01	0.65
0	4.48E-01	2.28
0	8.44E-01	0.78
7	4.05E-01	0.86
0	9.04E-01	1.07
0	3.07E-01	0.37
0	1.49E-01	0.21
0	8.68E-01	1.08
59	5.79E-01	0.93
0	2.14E-01	1.73
0	7.80E-01	1.53
0	8.33E-02	2.01
0	7.86E-01	0.77
115	4.62E-01	0.92
0	1.23E-01	0.12
0	2.26E-02	2.41
0	4.77E-01	1.30
0	7.70E-01	0.72
0	2.79E-01	0.74
1	7.68E-01	0.79
0	3.84E-02	0.08
2	6.36E-02	0.38
1	2.90E-01	1.64
0	4.28E-01	0.47
0	8.90E-01	0.92
0	2.67E-01	0.18
0	7.31E-01	1.31
0	3.84E-01	0.48
0	6.47E-01	2.13
0	4.16E-01	0.34
0	9.31E-01	0.88
0	3.66E-02	6.46
61	5.36E-01	1.08
0	3.29E-01	2.81
0	2.31E-01	2.57

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.85E-01	0.73
0	3.92E-01	0.48
26	1.49E-01	1.21
0	2.83E-01	0.37
0	3.59E-01	0.53
479	2.16E-01	0.90
0	6.64E-01	0.52
0	5.78E-01	0.79
25	1.75E-01	1.20
0	9.80E-01	1.02
0	4.67E-01	3.59
0	9.13E-01	1.11
1	1.87E-01	0.64
0	2.18E-01	3.89
24	1.83E-01	1.20
0	5.05E-01	0.74
0	7.12E-01	1.42
0	6.83E-01	0.57
0	1.13E-01	0.26
0	7.25E-01	1.52
7	8.12E-01	1.04
0	5.28E-01	1.52
0	1.40E-01	4.67
0	6.07E-01	1.41
0	3.96E-02	7.12
0	6.41E-01	1.59
0	1.92E-01	2.24
0	3.32E-01	1.88
0	8.72E-01	0.77
0	1.10E-02	3.32
3	7.79E-01	1.07
0	2.51E-02	2.77
9	6.14E-01	1.09
60	6.04E-01	0.94
0	7.67E-01	0.73
0	3.14E-02	0.30
1	4.48E-01	0.53
0	9.05E-01	1.11
8	2.18E-01	0.76
0	7.14E-01	1.35
0	6.60E-01	0.62
0	7.19E-01	0.91
0	8.06E-01	0.73

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

4	4.80E-01	1.15
26	7.70E-01	0.96
1319	8.94E-01	0.98
1318	7.18E-01	0.96
1	4.34E-01	1.50
0	5.10E-01	0.46
5	5.43E-01	1.12
0	4.36E-01	0.57
0	6.15E-01	0.76
17	8.89E-01	0.98
17	6.53E-01	1.08
0	6.61E-02	4.86
0	2.66E-01	3.01
0	7.70E-01	1.22
0	1.77E-01	1.88
0	4.01E-01	0.53
0	7.06E-01	1.33
2	8.93E-01	1.05
0	6.49E-01	1.37
22	2.62E-02	1.36
0	4.59E-01	1.31
0	1.64E-01	3.80
0	6.56E-01	1.44
0	8.13E-01	0.77
0	1.16E-01	0.08
0	6.82E-01	1.35
0	7.30E-01	0.62
0	1.37E-01	0.11
0	2.83E-01	0.41
2	4.29E-01	0.75
1	1.14E-01	2.03
63	4.97E-01	0.93
0	9.49E-01	1.06
0	7.87E-01	0.67
1	1.88E-01	0.64
0	6.79E-01	1.18
0	8.17E-01	0.79
0	6.44E-01	1.38
0	3.85E-01	0.69
71	9.18E-01	1.01
71	8.99E-01	1.01
0	4.91E-01	0.67
0	1.65E-01	2.06

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

57	8.31E-02	1.23
6	6.31E-02	1.38
0	6.66E-02	2.20
0	9.22E-01	1.12
24	7.46E-01	1.05
1	2.16E-01	0.66
0	6.11E-01	1.66
5	6.89E-02	1.44
0	9.24E-01	0.86
1	6.12E-01	0.74
1	2.11E-01	0.54
0	7.34E-01	1.26
10	5.10E-01	1.13
561	3.25E-02	1.22
0	9.50E-01	0.91
10	4.54E-01	1.15
0	5.43E-01	0.52
0	5.43E-01	0.52
0	9.02E-01	1.05
0	3.37E-01	0.32
0	8.38E-01	0.73
3	7.50E-01	0.93
1	3.45E-01	1.49
1	2.18E-01	0.68
10	4.04E-01	0.86
0	1.57E-01	1.54
0	8.40E-01	0.85
1	8.10E-01	1.11
0	8.61E-01	1.20
10	7.55E-02	1.40
10	6.89E-02	1.40
0	9.73E-01	0.96
1	5.35E-01	1.28
0	8.04E-01	1.11
9	5.39E-02	1.41
0	6.23E-01	0.79
0	5.83E-01	1.34
0	4.19E-01	1.61
0	7.28E-01	1.20
0	3.54E-01	0.29
1153	8.70E-01	1.02
0	9.76E-01	1.05
0	7.35E-01	0.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.64E-01	0.96
0	2.86E-01	3.37
7	1.24E-01	0.73
0	6.84E-01	0.74
0	3.74E-01	2.40
0	5.56E-02	0.21
1	6.49E-01	0.87
1	4.21E-01	1.86
10	9.02E-01	0.98
0	3.78E-01	0.42
0	1.44E-01	0.11
0	8.29E-01	0.82
0	5.37E-01	0.58
0	8.95E-01	1.09
0	2.63E-02	0.21
1921	1.64E-01	8.06
1	1.61E-01	0.35
0	5.97E-01	0.59
0	3.88E-01	2.14
0	9.68E-01	0.99
3	4.82E-01	0.82
0	9.13E-01	1.10
73	5.70E-01	0.94
0	6.70E-01	0.86
0	7.70E-01	1.18
0	8.12E-02	1.93
0	9.22E-01	1.04
0	6.25E-02	2.50
0	8.39E-01	1.17
0	8.47E-01	1.26
0	2.66E-01	2.39
0	7.22E-02	3.30
19	6.24E-01	0.92
0	5.76E-01	0.48
1	3.12E-01	0.74
0	5.90E-01	1.53
0	3.89E-02	0.13
0	3.47E-01	2.92
335	2.27E-01	1.12
0	6.01E-01	0.83
0	6.06E-01	0.83
0	3.25E-01	2.84
0	8.84E-02	6.40

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.03E-01	0.37
0	6.43E-01	0.80
1	8.35E-01	0.87
0	3.20E-01	0.35
0	4.71E-01	0.39
0	9.54E-02	2.26
0	1.54E-02	4.43
2	7.52E-02	1.52
0	6.29E-01	1.46
0	9.07E-01	1.12
0	8.97E-02	0.08
0	5.47E-01	1.95
0	6.78E-01	0.56
0	4.84E-01	1.54
11	3.92E-01	1.15
293	1.75E-01	1.14
0	9.00E-01	0.95
0	5.06E-01	0.39
420	9.17E-01	0.99
418	8.27E-01	0.98
42	3.34E-01	0.88
0	7.13E-01	0.86
0	5.34E-01	2.90
0	8.22E-01	0.77
0	4.05E-01	2.46
0	1.66E-01	0.59
0	1.45E-01	0.52
7	7.92E-01	0.95
561	3.22E-01	0.91
0	2.85E-01	2.68
0	2.92E-01	2.17
0	6.93E-01	1.91
0	6.58E-01	0.54
0	7.19E-01	0.60
0	6.86E-01	1.26
0	4.96E-01	0.38
0	5.77E-01	0.74
0	7.03E-02	0.14
0	6.01E-01	0.49
0	7.59E-02	0.06
0	2.91E-01	3.13
0	9.50E-01	1.08
0	1.62E-01	2.19

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.36E-01	0.37
857	4.83E-01	0.94
0	1.53E-01	3.48
0	7.80E-01	1.57
0	5.88E-01	2.05
195	5.26E-02	1.20
0	3.64E-01	0.51
0	5.34E-01	0.62
0	3.19E-01	2.99
0	5.12E-01	0.40
0	4.45E-01	1.67
0	4.62E-01	1.63
131	2.15E-01	1.13
1140	2.61E-01	0.88
0	5.93E-02	4.04
0	1.51E-01	5.49
924	4.15E-01	0.92
0	1.34E-01	4.07
0	3.50E-02	0.18
70	1.47E-01	1.18
0	1.33E-01	2.50
0	5.19E-01	1.46
0	5.62E-01	1.82
0	9.76E-01	0.98
3	7.63E-01	0.92
0	5.76E-01	0.45
0	3.68E-01	0.44
2	1.61E-01	1.60
0	2.34E-01	1.45
0	1.05E-01	6.56
0	7.54E-01	0.77
0	3.81E-01	2.15
0	9.61E-01	1.01
0	5.48E-01	0.45
2	6.86E-01	1.12
0	1.22E-01	2.71
1237	1.25E-01	0.84
0	2.21E-01	2.88
0	8.47E-01	1.25
0	7.03E-01	1.20
0	2.19E-01	2.94
0	8.22E-01	1.18
0	3.73E-01	2.39

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.53E-02	0.21
0	5.53E-01	1.50
2	2.28E-01	1.35
1	5.54E-01	0.78
849	7.80E-01	0.97
0	9.81E-01	1.01
106	5.88E-01	0.94
0	6.53E-01	1.67
260	7.88E-01	1.03
0	1.22E-01	4.61
0	1.29E-01	5.90
0	5.83E-01	0.80
0	4.91E-01	0.54
0	4.45E-01	0.32
0	4.14E-01	0.68
0	3.92E-01	0.30
0	8.14E-01	1.18
1	2.85E-01	1.76
0	3.82E-02	8.23
13	5.89E-02	1.34
0	2.59E-01	0.58
0	8.48E-01	1.23
0	6.79E-01	1.31
0	6.91E-01	1.29
497	1.44E-01	0.88
481	3.49E-01	0.92
481	3.85E-01	0.93
1	8.99E-02	0.55
0	1.34E-01	2.92
0	7.76E-01	0.66
0	8.78E-01	1.15
2	9.62E-01	0.99
303	9.99E-01	1.00
0	9.14E-01	0.86
615	9.65E-02	1.16
1	7.71E-01	0.89
0	3.85E-01	0.30
0	2.37E-01	0.21
137	3.86E-01	1.09
310	7.02E-01	1.04
0	3.13E-01	2.70
290	3.46E-01	1.09
0	8.87E-01	0.78

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	1.48E-01	1.43
105	5.45E-01	0.94
101	4.64E-01	0.92
0	4.57E-01	1.57
101	5.81E-01	0.94
0	1.21E-01	4.76
0	8.79E-01	1.11
1	5.29E-01	0.84
0	4.96E-01	1.62
0	2.64E-01	3.38
0	3.26E-01	2.82
0	7.84E-01	0.78
1	9.79E-01	0.99
0	9.19E-01	1.08
0	1.91E-01	4.71
6	7.09E-01	0.92
19	3.08E-02	0.68
413	7.86E-01	1.03
0	1.35E-01	2.52
413	7.68E-01	1.03
0	9.12E-01	0.90
0	1.36E-01	0.19
1	6.47E-01	1.27
0	8.69E-01	1.06
0	7.99E-01	0.85
0	8.85E-01	0.92
667	8.93E-01	0.99
0	6.47E-01	1.45
0	4.68E-01	1.33
0	8.39E-01	1.19
0	4.58E-01	1.29
0	9.22E-01	0.94
0	4.68E-01	2.11
0	5.30E-01	1.36
22	2.10E-02	0.70
0	6.63E-01	0.76
0	7.07E-01	0.84
0	3.78E-01	3.53
0	9.27E-01	1.06
0	9.20E-01	1.09
22	5.65E-02	0.74
0	8.73E-01	0.94
0	1.49E-01	0.26

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	3.78E-01	1.33
1	7.45E-01	0.69
0	3.21E-02	4.37
0	1.95E-02	0.21
0	7.62E-01	1.19
0	7.14E-01	0.68
0	9.62E-01	1.04
0	7.33E-01	1.31
368	8.50E-01	1.02
0	8.23E-01	1.35
137	9.69E-01	1.00
0	2.25E-01	1.66
1915	5.09E-01	0.51
0	4.97E-01	0.57
0	4.47E-01	1.46
0	7.89E-01	0.68
0	4.13E-01	1.33
0	6.32E-01	0.53
0	9.05E-01	0.85
0	4.88E-01	2.07
1062	3.74E-01	0.91
0	7.15E-02	2.48
0	2.09E-01	3.17
21	2.57E-01	0.84
2	7.64E-01	1.08
0	6.67E-01	1.29
0	1.41E-01	3.91
3	1.88E-01	1.37
3	1.88E-01	1.37
0	7.74E-01	0.67
1922	1.00E+00	0.97
0	6.39E-01	1.62
0	7.25E-01	0.78
2	5.00E-01	0.85
0	3.69E-01	2.20
0	4.97E-01	0.72
1	8.92E-01	1.06
695	2.84E-01	0.91
0	4.18E-01	0.64
0	7.55E-02	2.07
0	3.43E-02	0.15
0	3.99E-01	0.34
1059	8.67E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.86E-01	1.32
0	3.42E-01	2.77
0	2.72E-01	2.09
0	4.65E-01	0.65
0	8.84E-01	1.07
2	9.12E-01	1.02
0	5.58E-01	1.76
1010	8.58E-01	1.02
754	7.37E-03	0.78
0	4.01E-01	2.52
0	7.69E-01	0.66
2	1.26E-01	0.60
10	8.86E-01	0.97
0	5.08E-01	0.40
10	9.03E-01	0.98
0	5.83E-01	0.54
172	8.72E-02	0.84
10	8.92E-01	0.98
93	3.17E-01	0.89
0	1.21E-01	0.11
61	2.24E-01	0.87
0	7.46E-01	1.17
518	7.31E-01	1.03
38	5.65E-01	0.93
37	5.27E-01	0.92
0	7.36E-01	0.71
0	5.72E-01	0.72
0	8.73E-02	0.08
0	6.17E-01	0.76
0	7.81E-01	0.93
0	2.51E-01	2.61
0	8.24E-01	1.18
0	5.03E-01	0.68
0	4.58E-01	1.63
34	1.37E-01	0.82
1	1.95E-01	2.04
1895	8.97E-01	0.94
0	9.85E-02	0.56
0	4.40E-01	1.28
3	7.21E-01	1.09
0	3.39E-02	8.90
6	3.36E-01	0.81
204	7.01E-01	0.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.68E-01	3.20
130	8.07E-01	1.02
8	9.81E-01	1.00
0	5.90E-02	5.94
1687	8.60E-01	1.03
0	7.10E-01	1.26
0	9.38E-01	0.89
24	3.05E-01	1.15
0	2.30E-01	2.09
0	4.37E-01	2.19
0	7.73E-01	1.31
0	5.65E-01	1.63
0	2.18E-01	0.22
0	2.14E-01	3.96
0	2.14E-01	3.96
0	4.93E-01	1.51
0	6.45E-01	0.58
0	9.16E-02	6.32
0	9.59E-01	0.97
0	2.72E-01	0.22
464	7.22E-01	0.97
0	5.15E-01	0.54
463	7.29E-01	0.97
0	3.30E-01	0.28
2	7.62E-02	0.39
454	7.78E-01	0.98
432	6.73E-01	0.96
0	8.64E-01	1.11
363	7.01E-01	1.04
591	7.42E-01	0.97
0	4.84E-01	1.89
292	5.76E-01	1.05
0	4.57E-01	1.62
0	9.28E-01	0.95
0	3.92E-01	1.69
0	5.14E-01	1.31
0	7.74E-01	0.65
0	7.29E-01	1.41
0	9.10E-01	0.87
0	8.48E-01	0.87
1	3.97E-01	0.49
0	5.37E-02	0.17
0	8.09E-02	0.47

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.15E-01	0.59
0	9.29E-01	1.10
8	2.83E-01	1.21
8	2.83E-01	1.21
0	5.82E-01	0.54
0	2.72E-01	0.62
0	6.84E-01	1.45
0	2.46E-01	0.18
0	8.88E-01	1.23
0	9.29E-01	1.10
1	4.28E-01	1.31
7	5.75E-01	1.10
0	2.50E-01	3.16
1	3.33E-01	0.64
5	2.91E-01	1.26
0	4.49E-01	0.36
0	8.89E-02	6.01
0	6.26E-01	1.70
10	6.79E-01	1.07
43	5.07E-02	0.78
1	3.99E-02	0.27
0	9.55E-01	1.09
0	1.93E-01	0.19
1	5.62E-01	0.59
7	1.20E-01	1.33
0	6.63E-01	0.76
0	9.56E-01	1.09
0	3.82E-01	1.36
0	5.55E-01	1.44
6	5.58E-01	0.89
0	3.66E-01	0.45
1821	4.18E-01	0.81
0	8.42E-01	0.75
0	2.92E-01	1.65
0	6.86E-01	1.15
0	7.58E-02	0.11
356	3.58E-01	1.09
0	9.90E-01	1.01
0	8.95E-01	0.82
81	8.55E-01	0.98
2	1.00E+00	1.00
0	4.40E-01	2.21
0	9.06E-01	1.06

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.03E-01	3.85
7	4.84E-01	1.14
1	2.68E-01	1.43
0	2.12E-01	2.89
1644	1.87E-01	0.80
1	8.03E-01	0.93
0	9.61E-02	4.70
116	8.28E-03	1.30
0	6.80E-01	0.61
0	3.25E-01	0.70
102	9.81E-01	1.00
11	8.63E-01	1.03
0	9.51E-01	0.92
19	6.11E-01	0.92
16	3.87E-01	1.15
0	2.61E-01	0.17
185	5.57E-01	1.06
0	5.51E-01	1.50
465	5.81E-01	1.05
0	4.56E-01	2.18
69	4.48E-01	1.09
70	3.52E-01	1.11
0	6.28E-01	0.51
504	2.87E-01	1.10
0	2.05E-01	0.65
1	2.51E-01	0.55
0	9.51E-01	0.94
0	7.56E-01	0.79
3	6.82E-02	0.60
0	2.50E-01	2.42
0	5.96E-01	0.78
10	7.55E-01	0.95
0	2.03E-01	0.21
0	9.27E-01	1.04
0	8.41E-01	1.15
0	2.82E-01	2.10
0	8.32E-02	4.52
2	5.13E-01	1.25
1	4.00E-01	0.67
0	9.20E-01	1.19
0	4.76E-01	1.90
0	5.08E-01	1.77
0	6.09E-02	7.20

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.55E-01	1.38
1	7.03E-02	2.06
0	8.24E-01	1.23
0	9.34E-01	1.06
0	6.62E-01	1.23
0	5.71E-01	1.63
0	9.44E-01	0.95
1	4.51E-02	0.59
0	8.51E-01	1.21
29	7.62E-01	0.95
0	9.93E-01	1.01
592	9.23E-01	1.01
0	9.81E-01	1.04
11	7.96E-01	0.96
0	5.62E-01	0.66
0	3.12E-01	2.51
0	1.26E-01	0.43
0	4.62E-01	0.52
44	7.47E-01	0.96
0	2.10E-01	2.95
0	1.74E-01	0.40
1	7.23E-01	0.86
1	9.89E-01	1.01
0	2.84E-01	2.41
0	5.94E-02	9.53
0	2.94E-01	0.42
8	2.68E-01	1.24
0	7.41E-02	0.35
0	8.69E-01	1.08
16	7.12E-01	0.95
0	8.30E-03	10.88
9	9.29E-01	1.02
9	8.84E-01	1.03
0	1.48E-01	1.86
0	9.50E-01	1.05
0	7.58E-01	0.63
8	3.91E-01	0.86
8	3.83E-01	0.86
1	3.08E-01	0.70
0	7.30E-01	0.70
0	6.65E-01	1.42
50	1.91E-02	0.75
46	9.44E-03	0.72

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.25E-01	0.76
0	8.82E-01	1.10
0	3.44E-01	2.95
1333	9.42E-02	0.82
0	8.07E-01	0.80
0	2.58E-01	2.82
0	8.05E-01	0.90
0	5.23E-01	0.40
0	2.66E-01	2.26
0	3.38E-01	2.46
52	8.32E-01	0.97
0	9.44E-01	1.11
45	1.74E-03	0.67
0	8.32E-01	0.81
0	5.94E-01	1.44
45	9.31E-03	0.73
0	1.15E-01	0.34
43	1.07E-02	0.73
0	2.82E-01	3.30
0	3.81E-01	0.63
28	1.23E-01	1.23
210	2.28E-02	0.80
48	7.04E-01	1.05
46	4.46E-01	1.10
39	5.13E-02	0.78
1	6.02E-01	1.36
0	6.13E-01	0.51
33	9.43E-02	1.25
0	1.16E-01	0.08
0	3.25E-01	2.06
3	6.35E-01	0.89
2	4.06E-01	0.80
0	6.12E-02	0.29
125	9.89E-01	1.00
0	4.52E-01	2.05
0	6.04E-01	1.23
220	9.44E-01	1.01
154	7.07E-01	1.04
153	7.49E-01	1.03
0	2.72E-01	0.42
0	9.41E-01	1.17
1	3.35E-01	0.66
1	3.42E-01	0.66

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.95E-01	0.38
0	8.22E-01	0.77
101	6.91E-01	1.04
42	9.25E-01	0.99
82	3.57E-01	1.11
0	2.99E-01	2.43
0	2.86E-01	0.61
0	7.67E-01	0.85
2	3.27E-01	0.78
84	1.57E-01	0.86
0	5.80E-01	2.00
0	2.68E-01	2.55
5	1.13E-01	0.71
308	6.87E-01	0.96
0	7.42E-01	1.73
639	5.56E-01	1.06
0	9.54E-01	0.94
3	6.23E-01	0.89
0	8.45E-01	1.19
0	3.04E-01	0.51
51	8.27E-01	0.97
866	5.08E-01	0.94
131	2.05E-01	1.14
0	5.79E-01	0.44
8	7.81E-01	1.05
1922	1.00E+00	0.97
181	7.01E-01	1.04
0	3.79E-01	2.59
895	2.46E-01	1.12
0	8.37E-01	0.82
0	1.57E-01	3.10
3	6.65E-01	0.92
3	6.56E-01	0.92
0	2.13E-01	0.29
0	2.80E-02	4.67
0	1.59E-01	0.57
0	9.21E-01	0.90
0	8.98E-01	1.17
105	3.67E-01	0.91
0	7.41E-01	0.63
0	8.05E-01	1.25
0	7.08E-01	0.71
0	5.80E-01	1.69

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.40E-01	3.19
0	1.77E-01	0.28
0	5.53E-01	0.43
0	8.99E-01	1.07
0	7.51E-01	1.31
0	9.73E-01	1.03
0	5.55E-01	0.45
4	1.55E-01	0.69
0	7.03E-01	0.77
0	4.83E-02	2.56
0	9.08E-02	3.64
0	2.82E-01	2.56
0	2.81E-01	0.29
0	5.38E-01	0.51
0	6.22E-01	0.48
0	2.88E-02	0.09
0	7.94E-01	1.54
0	2.30E-01	0.36
17	3.80E-01	1.15
0	9.21E-01	0.96
0	3.31E-01	2.16
0	1.99E-01	0.31
4	1.05E-01	0.61
1422	4.38E-01	0.91
39	3.19E-01	1.13
0	5.46E-01	1.92
48	1.24E-01	1.20
0	2.12E-01	1.81
0	5.94E-01	1.59
0	4.00E-01	2.04
0	7.65E-01	0.85
0	2.44E-01	0.22
0	2.59E-02	11.51
0	1.78E-02	6.22
0	1.37E-01	5.61
0	6.22E-01	0.67
0	3.58E-01	2.49
0	4.93E-01	2.17
0	5.79E-01	1.40
0	4.43E-01	2.16
0	3.40E-01	1.49
3	6.52E-01	0.89
0	9.62E-01	1.08

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.59E-01	0.90
0	1.37E-01	5.61
0	7.31E-01	0.89
0	6.33E-01	0.58
0	2.05E-01	1.37
0	1.99E-01	3.62
11	1.75E-02	0.65
24	4.63E-01	0.89
0	2.50E-01	1.52
153	3.90E-01	1.09
160	9.02E-01	0.99
0	4.29E-01	1.62
0	1.86E-01	3.42
0	6.45E-01	1.63
0	3.58E-01	1.69
0	4.20E-01	0.32
0	5.69E-01	1.40
0	4.41E-01	1.47
0	3.08E-01	2.36
0	7.61E-01	1.30
2	2.63E-01	0.69
207	5.73E-01	1.05
205	5.30E-01	1.06
7	9.86E-01	1.00
0	3.70E-01	2.76
0	1.78E-01	0.18
0	8.41E-01	1.28
45	6.22E-01	0.94
0	3.53E-02	8.03
0	7.34E-01	1.17
0	8.15E-01	0.78
593	6.15E-01	1.05
0	9.24E-01	0.91
0	5.14E-01	1.86
0	9.77E-01	0.97
0	6.85E-01	2.30
0	9.64E-01	0.97
1	9.42E-01	1.03
0	4.86E-01	0.35
0	1.58E-01	1.70
0	7.51E-01	0.72
163	7.62E-01	0.97
51	2.78E-01	0.87

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.70E-01	1.15
0	2.19E-01	0.30
0	5.91E-01	1.25
0	3.24E-01	0.54
0	6.33E-01	0.62
0	4.97E-01	1.47
48	4.79E-01	0.92
22	7.96E-01	0.96
0	3.38E-01	2.67
0	3.64E-01	2.16
74	2.15E-01	1.15
1869	3.94E-01	0.74
1	3.23E-01	1.47
0	4.56E-01	0.37
0	4.72E-01	0.56
0	9.73E-01	1.04
6	5.52E-01	1.11
1	9.57E-01	1.04
23	8.85E-01	0.98
0	3.35E-01	0.44
0	8.69E-01	0.79
0	8.36E-01	0.82
0	9.40E-01	1.11
2	9.20E-01	1.03
1	6.43E-01	0.87
0	1.70E-01	0.27
1	3.97E-02	0.32
1	9.79E-01	1.02
5	9.55E-01	0.99
0	9.90E-01	0.97
0	1.39E-01	5.17
38	4.90E-01	1.09
0	8.54E-01	1.20
0	5.59E-01	0.76
12	9.79E-01	1.00
0	2.40E-01	0.24
1	9.31E-01	1.03
0	9.75E-01	0.97
6	2.18E-01	1.29
0	5.98E-01	0.47
0	6.61E-01	1.64
355	7.75E-01	0.97
4	2.82E-01	0.75

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.87E-01	2.54
0	2.97E-01	3.25
0	6.02E-01	1.82
0	2.28E-03	4.04
0	5.22E-01	1.67
5	3.70E-01	1.18
0	3.47E-01	2.81
42	6.48E-01	1.06
0	3.96E-01	2.61
0	6.29E-01	1.30
25	5.69E-01	0.92
0	1.12E-01	6.80
0	5.43E-01	0.56
0	5.60E-01	1.22
0	4.35E-01	1.61
0	6.05E-01	1.44
0	4.92E-01	0.66
0	7.15E-01	0.70
0	8.50E-01	0.83
0	7.77E-02	4.88
1850	9.63E-01	0.98
0	7.45E-01	1.13
1209	4.45E-01	0.92
45	7.76E-02	1.23
0	7.08E-01	1.53
0	5.34E-01	1.66
313	6.31E-01	0.96
0	8.66E-01	1.13
191	7.08E-01	1.04
1	5.81E-01	1.18
0	5.05E-01	0.42
1921	8.53E-01	1.31
0	9.50E-01	1.07
0	3.82E-01	2.09
549	9.05E-01	1.01
0	5.06E-01	0.44
526	9.59E-02	1.16
141	2.71E-01	1.11
0	9.23E-01	1.03
168	1.12E-01	1.17
0	9.27E-02	3.23
1	9.81E-01	1.01
0	4.46E-01	0.47

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.04E-01	1.78
0	6.61E-01	0.55
0	3.32E-01	2.76
0	9.93E-01	0.99
0	8.97E-01	1.20
336	3.03E-01	1.10
0	3.47E-01	1.53
0	9.78E-01	0.99
0	9.98E-01	1.00
0	2.71E-01	2.89
85	6.88E-01	1.05
0	7.91E-02	0.07
194	4.01E-01	1.09
10	3.47E-01	0.84
0	8.43E-01	0.89
0	8.31E-01	0.73
5	2.40E-01	0.77
0	9.52E-01	1.04
303	4.77E-01	0.94
0	6.18E-01	0.64
31	5.29E-01	1.09
532	8.40E-01	0.98
1751	7.03E-01	1.09
2	8.10E-01	0.95
468	7.04E-01	1.03
125	1.46E-01	0.86
1918	6.60E-01	2.02
38	3.68E-01	1.12
0	5.19E-01	0.41
1006	9.79E-01	1.00
0	8.95E-02	3.42
1	9.33E-01	1.08
603	7.98E-01	1.02
22	6.99E-01	1.06
0	1.25E-01	3.13
54	2.98E-01	1.13
0	3.85E-01	0.51
0	4.11E-01	0.35
0	5.90E-01	0.47
0	3.81E-01	1.72
0	5.18E-01	1.64
0	9.09E-02	3.62
0	3.70E-01	0.73

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1922	8.62E-01	0.76
0	6.39E-01	0.72
0	8.41E-01	1.37
0	8.83E-01	0.82
0	5.23E-01	1.91
41	9.34E-01	1.01
3	3.15E-03	1.69
0	4.24E-01	1.55
0	8.60E-01	0.77
0	8.47E-01	1.24
0	8.49E-02	3.50
0	3.77E-01	0.55
100	4.22E-01	0.92
5	2.26E-01	0.74
1879	3.62E-01	1.56
0	6.84E-01	0.57
1	5.50E-01	1.25
0	1.09E-01	7.35
0	6.14E-05	6.52
0	5.10E-01	0.41
0	9.26E-01	0.92
0	5.86E-01	0.58
0	5.92E-01	0.48
0	2.70E-01	0.64
0	2.86E-01	0.64
0	6.26E-01	0.50
46	9.96E-02	0.81
17	8.89E-01	0.98
0	5.50E-01	1.88
0	4.27E-01	0.47
38	8.09E-01	0.97
277	4.98E-01	0.94
11	1.92E-01	0.80
1922	1.00E+00	0.97
1101	6.48E-01	0.95
3	2.05E-01	1.30
1254	9.16E-01	1.01
1255	9.10E-01	1.01
0	5.65E-01	0.57
0	4.57E-01	2.06
1672	6.83E-02	1.39
0	6.54E-01	1.29
2	4.02E-01	0.81

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.70E-01	1.34
1298	3.20E-01	1.13
0	7.70E-01	1.34
1	6.81E-01	1.28
0	6.05E-01	1.51
1921	3.21E-01	0.14
0	6.45E-01	1.59
0	7.88E-01	1.13
0	9.25E-01	0.92
0	9.57E-01	1.07
0	5.67E-01	1.30
5	2.01E-01	1.30
0	1.67E-01	4.60
0	4.06E-01	0.44
0	5.22E-02	4.85
0	4.60E-01	0.52
0	7.44E-01	1.39
0	6.16E-01	0.71
0	6.72E-01	0.70
1921	6.42E-01	2.06
80	8.38E-01	1.02
5	3.63E-01	0.78
92	7.97E-01	1.03
0	5.26E-02	4.82
0	1.82E-01	4.25
0	4.33E-01	0.55
28	8.28E-01	1.03
0	5.81E-01	1.46
0	8.88E-01	0.80
0	4.40E-01	1.40
0	8.80E-01	1.26
1	3.98E-01	0.67
0	6.88E-01	1.17
0	8.73E-01	0.89
0	4.95E-01	0.64
0	9.65E-01	0.98
1	5.28E-01	1.21
1	9.39E-01	1.02
0	6.59E-02	0.13
2	1.02E-01	0.63
1	9.63E-01	1.02
13	3.92E-01	0.87
1	2.53E-01	1.38

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.00E-01	1.89
1	3.68E-01	1.29
1237	7.63E-01	0.97
0	5.71E-01	0.54
1	2.47E-01	0.67
2	4.15E-01	0.80
0	2.50E-02	2.75
19	9.20E-01	0.98
902	7.87E-01	0.97
1194	9.05E-01	1.01
1	3.71E-01	1.31
1216	9.45E-01	0.99
0	5.48E-01	0.45
1	2.29E-01	0.24
1220	9.71E-01	1.00
1	6.59E-01	1.28
37	9.79E-01	1.00
0	3.87E-01	2.44
0	2.81E-01	2.64
1	1.53E-01	0.66
0	4.03E-01	1.76
2	8.56E-01	1.04
1	4.82E-01	0.78
0	1.92E-02	0.24
0	4.40E-01	0.34
0	7.25E-01	0.61
1876	9.84E-01	0.99
0	3.10E-01	2.81
0	9.38E-01	1.12
5	1.56E-01	0.72
0	5.83E-01	1.80
0	9.63E-01	0.98
1	6.14E-01	1.15
0	2.67E-01	0.39
0	2.08E-02	0.46
1	6.14E-01	1.15
0	6.88E-01	0.73
391	4.74E-01	0.94
157	1.46E-01	1.15
0	6.91E-01	3.10
4	1.34E-01	1.46
0	4.98E-01	2.04
0	9.08E-01	0.85

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.07E-01	0.74
0	2.03E-01	3.23
21	6.62E-01	0.94
7	7.71E-01	1.06
975	8.96E-01	0.99
2	1.62E-02	0.52
0	6.45E-01	0.62
5	3.08E-01	0.76
47	1.37E-01	0.82
0	7.61E-01	1.26
0	2.39E-02	0.40
179	2.64E-01	1.11
0	7.71E-01	0.78
0	1.08E-02	3.73
0	8.54E-01	0.74
0	8.54E-01	0.74
0	9.37E-01	0.93
1	6.85E-01	1.28
0	8.20E-01	1.08
1	6.11E-01	0.83
0	7.49E-01	1.37
15	8.44E-01	1.03
1	8.08E-01	1.21
0	4.05E-01	2.07
1096	6.20E-01	0.95
62	8.77E-01	0.98
0	5.69E-01	1.86
0	5.51E-01	0.72
0	9.34E-02	0.15
0	2.87E-01	2.41
0	7.74E-01	1.31
1	5.12E-01	1.52
0	4.69E-01	0.58
329	2.63E-01	1.11
0	6.66E-01	2.97
1	9.61E-01	0.99
3	7.29E-01	0.92
0	7.02E-01	1.42
0	7.22E-01	1.13
0	7.23E-01	1.13
1	9.13E-01	1.05
0	9.32E-01	0.92
30	9.41E-01	0.99

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.51E-01	2.17
0	8.64E-01	1.06
0	7.14E-01	1.40
0	8.10E-01	0.79
0	7.80E-01	0.68
16	9.12E-01	1.02
25	3.55E-01	1.13
0	6.83E-01	1.38
14	8.53E-01	0.97
185	9.57E-01	0.99
0	8.39E-01	0.83
0	7.14E-01	1.40
0	6.83E-01	1.23
0	1.73E-01	0.19
1	3.23E-01	1.35
0	2.99E-02	0.10
129	9.54E-01	1.01
0	9.66E-01	0.98
16	1.97E-01	0.79
0	8.56E-01	1.19
1	6.87E-02	2.78
0	7.15E-01	0.74
0	5.75E-01	1.61
0	1.04E-01	0.38
0	9.77E-01	0.96
0	6.08E-01	0.58
0	7.44E-02	3.81
61	8.31E-01	1.03
0	1.69E-01	2.00
0	3.99E-01	0.34
1	1.55E-01	2.28
0	7.99E-01	0.85
0	6.39E-01	1.22
0	5.49E-02	0.09
0	3.25E-01	2.38
201	3.34E-02	1.23
0	8.67E-01	1.17
414	3.18E-02	1.22
3	5.54E-01	0.87
0	7.09E-01	0.59
0	2.52E-01	3.15
0	8.58E-01	0.84
1571	1.19E-01	0.80

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

14	4.98E-01	1.12
0	5.63E-01	1.70
0	8.41E-01	1.14
711	4.84E-02	0.83
3	7.67E-01	1.07
0	9.91E-01	0.99
0	8.73E-01	0.88
1	8.64E-02	2.45
30	8.87E-01	0.98
1371	9.23E-01	0.99
432	5.30E-01	0.95
0	3.29E-01	0.49
0	6.95E-01	1.50
618	2.66E-01	0.90
1	1.65E-01	1.42
626	2.67E-01	0.90
1136	1.10E-02	1.31
0	1.64E-01	0.16
0	3.87E-01	2.35
0	6.50E-01	0.50
5	6.31E-02	1.40
0	6.79E-01	0.55
1	1.09E-01	2.65
0	2.39E-01	0.22
147	2.77E-02	1.24
8	6.23E-01	0.91
4	7.94E-01	0.94
0	8.52E-01	0.77
0	7.48E-01	1.28
1	4.08E-02	3.42
0	1.73E-01	0.67
1906	8.09E-01	1.17
1	9.80E-01	1.01
0	8.37E-01	0.90
361	3.68E-01	1.08
0	4.16E-02	2.39
0	1.75E-01	1.73
207	3.27E-02	1.22
1612	7.30E-02	1.36
0	6.28E-01	1.25
0	7.82E-01	1.27
0	4.21E-01	0.33
0	1.88E-02	0.07

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.93E-01	1.74
0	9.46E-01	0.96
0	4.40E-01	0.43
0	5.25E-03	19.86
226	1.05E-01	0.86
1922	1.00E+00	0.97
0	6.65E-01	0.56
2	2.00E-01	0.69
108	3.65E-01	0.91
0	5.89E-01	1.71
0	3.65E-01	0.30
0	3.72E-01	0.35
0	3.55E-01	2.14
0	6.90E-01	0.72
0	6.65E-01	0.56
0	6.65E-01	0.56
0	6.65E-01	0.56
87	9.01E-01	1.01
21	6.35E-01	0.93
0	6.22E-01	1.69
449	2.33E-01	0.90
0	6.82E-01	0.78
0	4.61E-01	1.46
0	1.75E-01	3.20
0	6.23E-01	0.50
0	5.13E-01	0.47
0	6.95E-02	0.31
0	6.96E-01	1.90
0	4.52E-01	0.41
0	4.88E-01	1.66
0	1.84E-01	2.18
0	8.25E-01	1.09
433	4.64E-01	1.07
0	8.49E-02	0.07
0	6.77E-01	1.85
0	7.32E-01	1.22
476	8.70E-02	0.86
1	3.89E-01	0.76
0	4.88E-01	1.46
25	5.44E-01	0.91
17	8.56E-01	1.03
5	6.06E-01	1.10
0	5.39E-01	0.45

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.66E-01	2.17
0	2.18E-01	0.33
0	3.00E-01	2.59
0	8.54E-01	0.89
14	8.23E-01	1.04
0	6.18E-01	1.45
24	8.71E-01	0.98
0	8.53E-01	0.77
0	9.86E-01	0.97
0	8.91E-01	0.87
0	8.90E-01	0.86
0	2.95E-02	5.99
27	6.50E-01	0.94
0	6.79E-01	1.78
0	5.54E-01	0.58
0	3.53E-01	2.20
16	6.74E-01	0.94
158	9.33E-01	1.01
1915	5.52E-01	0.58
0	3.50E-01	2.04
1	4.34E-01	1.22
559	8.07E-01	1.02
1922	1.00E+00	0.97
3	7.71E-01	1.07
260	4.54E-01	0.93
0	9.62E-01	1.03
0	9.74E-01	0.95
0	3.33E-01	3.08
2	8.92E-01	1.04
0	1.44E-01	0.15
0	5.77E-01	0.60
0	4.93E-01	0.38
0	6.94E-01	0.63
0	5.94E-01	0.45
0	2.83E-01	3.19
0	4.58E-01	0.57
0	8.80E-01	1.10
0	5.31E-01	0.43
0	7.83E-01	1.23
0	2.75E-01	1.61
0	5.73E-01	1.84
0	5.70E-01	0.56
1	5.58E-02	0.59

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

16	1.39E-01	1.23
0	3.79E-01	2.49
39	1.59E-01	0.82
0	6.74E-01	0.69
1	6.32E-01	1.38
8	6.15E-01	1.11
0	9.31E-01	0.92
0	3.79E-02	2.95
0	8.35E-01	0.74
49	3.56E-01	0.90
0	2.23E-01	0.45
6	1.94E-01	1.28
0	1.58E-01	0.33
0	6.50E-01	0.70
13	1.05E-02	1.46
0	1.53E-02	0.16
0	9.50E-01	1.06
0	1.76E-01	0.14
0	4.46E-01	1.56
0	7.45E-01	1.33
0	9.34E-01	1.05
0	2.57E-01	0.29
114	7.01E-02	0.83
295	7.08E-01	0.97
0	7.60E-01	0.86
1	2.59E-01	1.39
8	2.75E-01	1.25
63	2.49E-01	0.87
1	4.30E-01	1.25
0	6.19E-01	0.46
0	7.85E-01	0.67
79	9.94E-01	1.00
0	8.22E-01	0.86
0	5.54E-01	0.72
699	5.14E-01	0.94
704	6.51E-01	0.96
0	1.88E-01	0.44
0	7.79E-01	1.47
0	3.53E-01	2.77
0	4.19E-02	0.08
1	2.86E-01	0.48
340	1.37E-01	0.87
0	1.88E-01	0.21

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.40E-01	1.22
0	1.92E-01	0.61
0	2.67E-01	3.02
0	7.74E-01	0.86
4	1.00E-01	1.61
0	8.17E-01	0.71
0	9.59E-01	1.09
0	6.57E-01	1.66
0	9.30E-01	0.94
0	5.65E-01	0.44
0	8.23E-01	1.22
883	1.90E-01	0.88
241	2.06E-01	0.89
0	4.16E-01	1.77
0	3.94E-01	0.70
9	9.14E-01	1.02
1	4.95E-01	1.27
0	4.11E-01	1.77
0	3.28E-01	1.78
0	1.74E-01	2.01
118	4.67E-01	0.93
0	4.28E-01	1.42
0	6.95E-01	1.32
0	8.24E-01	1.09
3	2.58E-01	1.29
0	7.83E-01	0.67
1	2.14E-01	0.77
1922	1.00E+00	0.97
0	1.91E-01	3.85
0	4.51E-01	2.39
0	2.20E-01	0.18
0	4.07E-02	4.22
0	9.85E-01	0.99
0	1.44E-01	0.30
1922	1.00E+00	0.97
0	2.43E-01	0.31
0	3.74E-01	1.75
0	1.67E-01	0.25
0	6.73E-01	1.61
0	9.77E-01	1.01
0	5.09E-01	1.68
0	7.86E-01	0.91
0	6.40E-01	0.52

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.01E-01	1.12
0	6.00E-01	0.73
0	8.20E-01	1.29
0	5.99E-01	0.49
0	7.57E-01	0.76
13	1.65E-01	1.25
490	5.17E-01	1.06
1	7.09E-01	0.91
79	6.57E-01	1.05
4	2.98E-01	0.81
182	9.72E-01	1.00
0	9.77E-01	1.05
0	7.20E-01	0.89
0	8.04E-01	0.76
0	3.24E-01	0.52
0	8.79E-01	0.81
0	4.92E-01	0.49
0	5.01E-01	0.39
0	3.79E-01	0.32
0	3.18E-01	2.36
0	9.81E-01	0.96
0	4.42E-01	1.77
3	9.28E-01	0.97
0	9.14E-01	0.95
0	7.67E-01	1.34
10	1.97E-01	0.80
0	8.74E-03	8.37
0	6.10E-01	0.65
1	6.88E-01	1.13
0	2.65E-01	0.70
0	8.99E-01	0.92
0	8.93E-01	0.83
0	8.60E-02	3.86
0	9.22E-01	0.94
0	1.37E-01	0.13
0	1.36E-01	5.29
0	1.79E-01	0.48
0	2.39E-01	3.57
0	3.14E-01	0.27
0	7.31E-01	0.87
0	6.94E-01	0.73
0	4.51E-01	2.55
0	4.15E-01	0.35

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.84E-01	0.81
1339	5.62E-02	1.27
0	6.89E-01	1.26
0	4.19E-02	5.04
1	4.79E-02	1.76
0	3.78E-02	0.06
0	5.68E-01	0.49
144	6.67E-01	0.96
146	6.51E-01	0.96
0	7.44E-02	1.72
2	3.51E-02	1.91
0	8.56E-01	1.10
1363	6.00E-01	0.94
12	2.80E-01	0.84
0	2.10E-01	3.36
0	7.38E-01	0.85
1	1.96E-01	0.66
11	3.34E-01	0.86
0	9.78E-01	1.01
0	8.79E-01	1.27
0	5.78E-01	1.99
0	7.62E-01	0.83
0	5.50E-01	0.58
0	6.62E-01	0.54
0	5.63E-01	0.71
1	6.27E-01	0.79
444	7.26E-01	1.03
0	1.95E-01	3.35
21	3.87E-01	0.88
0	6.96E-01	1.89
0	1.27E-01	4.29
1	1.34E-01	2.29
0	7.81E-01	1.14
0	3.82E-02	3.44
0	5.60E-01	1.25
126	1.47E-01	0.86
0	2.48E-01	3.81
331	9.47E-01	0.99
0	7.35E-01	0.79
0	6.13E-01	0.81
119	1.89E-01	0.87
126	1.46E-01	0.86
0	5.39E-01	0.43

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	7.60E-01	0.72
0	7.75E-01	1.58
330	9.76E-01	1.00
0	8.34E-01	0.74
0	6.43E-01	0.66
1	8.82E-01	1.08
0	4.75E-01	1.60
0	3.17E-01	1.56
0	8.66E-01	0.88
40	6.18E-01	1.07
0	1.89E-01	0.28
40	6.18E-01	1.07
0	4.67E-01	0.41
45	3.11E-01	0.88
50	2.35E-01	0.87
0	8.26E-01	0.73
0	6.80E-01	0.85
0	2.80E-01	2.75
0	6.45E-01	0.52
0	5.38E-01	0.59
1	4.38E-01	0.74
0	4.61E-01	2.05
1	1.96E-01	1.93
0	5.06E-01	1.70
0	6.49E-01	1.44
0	7.54E-01	1.33
0	8.62E-01	1.19
0	5.71E-01	1.80
2	6.60E-01	0.88
0	8.93E-01	1.07
0	6.38E-01	0.60
0	4.72E-01	0.47
2	6.74E-01	1.17
0	8.12E-01	0.86
0	3.96E-01	1.51
0	9.62E-01	0.96
0	7.16E-01	1.16
0	4.22E-01	2.62
0	8.28E-01	1.41
0	4.58E-01	1.86
0	4.58E-01	1.86
0	4.58E-01	1.86
0	9.53E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

20	1.90E-01	1.21
0	6.77E-01	2.43
6	6.00E-02	0.63
0	9.81E-01	0.98
0	5.27E-01	0.40
0	8.78E-01	1.28
12	5.67E-01	1.11
0	2.47E-01	3.57
0	3.38E-01	0.30
0	6.77E-01	0.81
1	3.35E-01	0.65
3	6.68E-02	1.47
0	4.23E-01	0.61
0	9.23E-01	0.94
0	8.10E-01	1.23
421	9.77E-01	1.00
0	7.59E-01	1.37
0	6.22E-01	0.85
0	2.53E-01	3.07
1	8.04E-02	2.51
0	8.41E-01	1.14
179	1.59E-03	0.73
23	2.03E-01	1.21
0	5.38E-01	0.85
0	4.96E-01	1.62
13	3.10E-01	1.19
0	7.40E-01	0.62
0	2.57E-01	0.35
0	9.79E-01	1.03
0	3.61E-01	2.38
0	6.22E-01	0.73
0	4.07E-01	2.12
1	6.47E-01	0.89
0	5.43E-01	0.68
0	4.24E-01	0.35
0	7.02E-01	1.21
0	9.58E-01	0.97
0	2.53E-01	2.04
0	4.59E-01	2.08
45	2.81E-01	1.14
0	3.23E-01	2.82
16	7.16E-01	1.06
116	3.74E-01	0.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.21E-02	5.48
0	5.34E-01	0.44
0	8.24E-01	0.86
0	3.00E-02	0.27
0	7.64E-01	0.82
0	2.08E-01	3.42
0	8.64E-01	1.20
0	9.08E-01	1.12
0	6.46E-01	1.32
0	8.97E-01	1.14
3	1.33E-01	0.65
41	5.62E-01	0.93
0	6.69E-01	0.66
0	7.46E-01	1.19
0	8.04E-01	1.15
0	8.53E-01	1.23
0	4.21E-01	1.56
0	4.45E-01	0.36
0	1.97E-02	3.26
0	3.05E-01	1.58
315	7.78E-02	1.18
36	1.41E-02	0.72
0	4.03E-01	1.91
0	6.93E-02	5.42
7	4.71E-01	1.16
0	7.95E-01	1.41
0	7.33E-01	0.73
1	1.51E-01	1.96
0	5.55E-01	1.99
0	4.55E-01	0.63
0	6.16E-01	1.22
0	9.61E-01	1.03
0	8.64E-01	1.12
64	5.35E-01	1.07
0	9.19E-01	1.07
1	1.98E-01	0.63
25	1.29E-01	1.23
0	7.11E-01	1.41
0	5.81E-01	1.44
49	9.71E-01	1.00
0	2.48E-01	2.65
0	7.23E-01	0.77
906	2.99E-01	1.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

157	7.81E-01	1.03
0	6.49E-01	0.62
0	5.53E-01	1.40
0	2.97E-01	0.33
1624	6.59E-01	0.93
2	9.00E-01	1.03
0	1.51E-01	3.84
1	5.18E-03	2.27
44	1.97E-01	1.17
1771	8.60E-01	1.04
0	7.90E-01	1.31
1	3.25E-01	0.68
3	2.75E-01	1.38
0	2.67E-01	0.26
0	3.73E-01	0.50
0	6.39E-01	0.83
653	6.72E-01	0.96
3	5.56E-01	1.14
0	9.46E-01	1.04
0	5.14E-01	0.57
0	2.73E-01	0.42
1	9.06E-01	0.87
0	5.35E-01	1.80
2	9.90E-01	1.00
1	7.27E-02	1.84
0	1.95E-01	2.01
2	3.88E-01	0.80
2	6.31E-01	0.88
1	5.23E-01	0.80
1	9.08E-01	0.95
1877	8.93E-01	0.95
0	2.18E-01	5.68
0	3.20E-01	2.82
1	6.03E-01	1.18
0	7.11E-02	3.74
0	9.80E-01	0.99
0	2.65E-01	0.62
1	3.46E-01	1.60
2	9.12E-01	0.97
0	5.66E-01	0.67
0	2.99E-02	2.83
0	3.04E-01	1.31
0	5.80E-01	1.64

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

44	9.30E-01	0.99
0	7.94E-01	0.87
0	6.16E-01	2.00
0	8.35E-01	1.08
0	2.89E-01	2.13
0	4.89E-01	2.48
1	3.70E-01	0.73
2	5.04E-01	0.82
5	1.81E-01	0.78
0	9.95E-01	1.00
0	8.43E-01	0.87
6	7.74E-01	0.94
27	3.91E-01	0.89
10	3.58E-01	0.83
0	2.62E-01	1.74
0	7.65E-01	0.66
0	4.97E-01	2.25
0	3.24E-01	0.67
1	8.38E-01	0.92
0	9.89E-01	1.01
257	6.21E-01	0.95
0	1.47E-01	1.62
0	4.19E-01	0.40
12	7.64E-01	0.95
2	3.02E-01	0.74
0	1.44E-01	3.04
48	9.23E-01	1.01
0	9.42E-01	0.94
0	7.17E-01	1.45
0	5.33E-01	2.91
0	2.53E-02	7.69
0	4.02E-01	0.46
143	3.27E-01	1.10
0	8.60E-02	0.35
0	4.57E-01	0.36
212	3.24E-01	1.10
0	3.46E-01	1.76
13	7.29E-01	1.06
0	7.72E-01	1.31
0	9.52E-01	0.93
0	6.96E-02	0.14
4	4.64E-01	0.87
788	9.35E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1340	1.29E-01	0.84
1	6.88E-01	1.12
0	2.62E-02	5.86
0	4.10E-01	0.33
0	3.49E-02	5.29
1	2.04E-01	1.54
0	4.45E-01	0.62
0	8.21E-01	0.85
0	4.46E-01	2.32
0	4.46E-01	2.32
0	5.12E-01	2.29
8	8.16E-01	0.96
0	1.06E-01	6.86
0	6.81E-01	1.62
0	7.83E-01	1.19
198	7.56E-01	1.03
0	2.38E-01	3.35
0	5.98E-02	4.20
0	7.56E-01	0.81
0	5.28E-01	1.68
0	9.00E-01	0.91
3	2.43E-01	1.32
629	4.07E-01	0.93
0	7.59E-01	0.64
0	3.20E-01	0.70
0	5.78E-01	1.88
1	8.33E-01	0.95
0	8.68E-01	1.14
0	4.09E-01	1.47
0	8.96E-01	1.20
0	8.56E-01	0.83
0	3.38E-01	3.48
0	8.14E-01	0.71
1	1.21E-01	1.38
0	1.45E-01	1.60
0	9.71E-01	1.03
0	7.95E-02	3.25
0	6.24E-01	1.16
0	1.41E-01	4.25
2	7.60E-01	1.09
0	7.24E-01	1.42
0	1.87E-01	4.37
0	2.92E-01	0.65

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	8.68E-01	1.12
671	1.61E-01	0.88
0	5.22E-01	0.65
562	9.12E-01	0.99
1321	7.79E-01	0.97
1197	4.66E-01	0.93
0	4.43E-01	2.16
0	5.19E-01	0.61
0	7.82E-01	0.79
0	2.59E-01	1.43
0	8.99E-01	1.13
1	2.81E-01	1.48
0	9.07E-01	0.90
0	6.63E-01	0.64
0	1.51E-01	2.91
0	6.83E-01	0.70
0	8.42E-01	0.75
0	4.74E-01	1.46
0	6.36E-01	1.34
0	7.04E-01	1.60
0	1.96E-01	2.12
0	2.74E-01	0.24
0	5.31E-01	0.80
0	5.60E-01	1.79
1	9.55E-01	0.95
0	4.20E-01	0.69
0	7.18E-01	1.48
71	8.26E-01	1.03
1	9.63E-01	0.97
0	2.14E-01	0.52
0	6.71E-01	0.80
0	3.05E-01	0.52
5	2.61E-01	0.78
0	4.36E-02	2.95
8	6.88E-01	0.93
0	6.55E-03	15.98
0	8.79E-01	1.13
0	3.79E-01	0.34
0	7.60E-01	1.38
0	7.36E-01	1.43
0	2.01E-01	0.22
0	2.01E-01	0.22
0	1.93E-01	2.90

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	1.22E-01	2.50
64	3.77E-01	0.90
0	8.46E-01	0.83
0	9.63E-01	0.94
789	2.37E-01	1.12
23	8.21E-01	1.03
3	6.05E-01	0.88
0	6.18E-01	0.68
0	1.59E-01	0.11
0	2.90E-01	4.65
1	8.00E-01	1.09
1	6.03E-01	1.25
0	2.38E-01	2.84
0	8.22E-01	0.84
0	7.10E-01	0.59
49	2.31E-01	1.16
478	4.63E-01	0.94
0	5.87E-01	0.76
0	2.51E-01	4.57
0	8.65E-01	0.78
0	1.43E-01	0.11
0	1.47E-01	0.19
0	8.91E-01	0.91
0	7.65E-01	1.33
0	2.46E-01	2.69
0	9.95E-01	1.01
0	1.12E-01	6.81
0	8.18E-01	1.23
0	6.36E-01	0.61
0	2.25E-02	0.34
0	5.11E-01	2.02
1	6.59E-01	1.34
0	7.93E-01	0.89
0	6.21E-01	0.72
0	8.52E-01	0.80
0	9.33E-01	0.90
5	4.33E-03	0.46
0	4.84E-01	0.60
0	8.25E-01	1.36
0	8.91E-01	0.92
0	1.72E-01	1.89
0	5.78E-01	1.28
0	2.67E-01	0.50

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.67E-01	2.85
0	7.58E-01	0.78
1	5.44E-01	0.65
0	3.18E-01	2.88
0	5.76E-01	0.57
0	4.93E-01	0.50
0	3.98E-01	0.60
0	3.42E-01	2.87
0	3.69E-01	2.26
76	2.69E-01	1.13
76	2.73E-01	1.13
707	7.91E-01	0.98
0	4.58E-01	1.66
348	7.74E-01	0.97
231	7.42E-02	0.85
78	8.33E-01	0.98
0	2.01E-02	6.80
0	6.23E-01	0.75
0	6.68E-01	0.76
0	1.00E-01	0.43
0	1.38E-01	0.61
0	5.38E-01	1.15
0	6.03E-01	1.37
0	4.91E-01	1.72
0	9.43E-01	1.06
0	3.11E-01	1.96
819	6.81E-01	1.04
110	9.43E-01	1.01
109	8.55E-01	1.02
109	8.39E-01	1.02
109	7.62E-01	1.03
109	8.05E-01	1.03
0	8.76E-01	0.87
109	6.52E-01	1.05
2	9.16E-01	0.96
109	7.35E-01	1.04
109	6.09E-01	1.06
109	6.69E-01	1.05
0	8.75E-01	0.87
109	6.47E-01	1.05
0	8.78E-01	0.87
0	6.49E-02	0.10
0	5.57E-01	1.82

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.74E-01	1.14
0	3.22E-01	0.31
0	8.43E-01	1.12
123	8.82E-01	0.98
1	1.30E-01	1.50
0	5.60E-01	0.45
402	2.57E-02	1.22
0	7.63E-01	0.70
0	8.77E-01	0.88
6	6.69E-01	0.93
1	3.36E-01	0.63
408	4.69E-02	0.83
34	9.92E-01	1.00
0	3.76E-01	2.09
100	7.89E-01	0.97
0	9.49E-01	0.91
0	4.93E-01	1.50
0	9.00E-02	5.21
0	6.59E-01	1.24
0	9.34E-01	1.11
0	6.31E-01	0.69
0	9.66E-01	1.03
0	1.79E-01	2.03
0	5.86E-01	1.85
0	9.56E-01	0.98
0	1.45E-01	2.26
0	4.72E-01	0.59
0	8.37E-01	1.32
0	3.76E-02	7.08
0	3.52E-01	1.75
0	6.23E-01	0.71
1	5.34E-01	0.67
0	3.83E-01	0.44
0	5.44E-01	0.41
20	8.58E-01	0.97
0	6.80E-01	0.73
44	7.93E-01	0.97
0	9.56E-01	1.06
4	3.63E-01	1.27
0	1.70E-01	0.28
0	1.56E-01	3.52
1	2.47E-01	1.47
764	7.04E-01	0.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.19E-01	0.37
0	1.57E-01	2.97
21	8.23E-01	0.97
21	8.41E-01	0.97
525	5.30E-01	0.94
0	9.58E-01	0.98
0	3.18E-01	2.88
4	5.90E-01	1.12
1	6.29E-01	1.22
199	7.50E-01	0.97
0	1.64E-01	2.99
0	6.39E-02	0.07
0	3.38E-01	0.51
550	6.27E-01	0.96
0	5.51E-01	1.78
1	8.68E-02	0.53
87	9.88E-01	1.00
1	7.61E-01	0.91
0	2.19E-01	3.90
1	7.26E-01	0.87
0	5.55E-01	1.35
0	1.63E-01	3.15
525	9.44E-01	0.99
0	8.47E-02	0.36
75	5.07E-01	1.08
0	2.11E-01	2.98
0	7.61E-01	1.39
524	9.76E-01	1.00
0	7.72E-01	1.42
0	3.14E-01	1.59
0	7.64E-01	0.70
236	5.05E-01	1.06
0	2.97E-01	1.51
0	7.75E-01	0.79
1	5.66E-01	1.21
0	2.42E-01	0.36
0	1.72E-01	2.77
0	8.45E-01	0.80
0	2.96E-01	1.51
2	8.24E-01	0.94
0	9.94E-01	0.99
0	3.74E-01	1.42
56	9.18E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.64E-01	0.55
0	2.79E-01	1.55
584	2.84E-01	0.91
1	4.50E-02	0.54
0	3.55E-02	3.31
0	9.13E-01	1.13
0	2.73E-01	2.25
0	2.38E-01	2.89
142	1.89E-01	0.87
0	1.98E-01	4.54
0	3.27E-01	2.94
8	1.88E-01	0.75
0	5.46E-01	1.65
0	8.77E-01	1.08
0	1.45E-01	0.36
414	6.76E-02	0.85
0	8.09E-01	1.37
0	9.10E-01	0.85
159	1.89E-01	0.88
21	7.66E-01	0.96
0	7.77E-01	1.16
1	2.20E-01	2.46
0	7.57E-01	0.64
1725	1.46E-01	0.75
0	3.97E-02	6.84
8	3.83E-02	1.44
8	7.32E-02	1.39
0	4.97E-01	0.65
932	5.85E-01	0.95
0	9.03E-01	1.14
48	8.70E-01	0.98
932	5.80E-01	0.95
0	1.29E-01	0.29
1	2.39E-01	0.73
0	1.73E-01	0.56
218	6.33E-01	0.96
0	1.38E-01	0.31
0	9.39E-01	1.05
444	3.22E-01	1.09
0	6.64E-01	0.64
0	7.58E-01	1.17
0	9.70E-01	1.03
0	8.64E-01	0.85

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	7.87E-01	1.15
0	4.15E-01	1.83
1	4.58E-01	1.68
0	6.75E-01	0.55
51	8.86E-01	0.98
0	9.41E-01	1.06
0	7.69E-01	0.77
0	3.07E-01	2.85
0	4.56E-01	1.75
1	1.32E-01	2.75
0	5.25E-01	1.92
0	5.07E-01	0.51
1	1.67E-01	1.74
0	8.06E-01	1.31
0	4.26E-01	1.42
0	5.85E-01	0.66
1	8.68E-01	1.17
2	6.09E-02	0.61
7	4.82E-01	1.13
0	1.28E-01	2.10
0	7.35E-01	0.62
0	2.66E-01	2.70
0	5.93E-01	0.67
66	2.78E-01	0.88
0	1.96E-01	0.47
83	3.86E-02	0.79
0	3.78E-01	0.46
0	7.47E-01	0.91
0	1.36E-01	0.10
0	7.81E-01	1.11
0	8.15E-02	0.23
0	7.86E-01	0.71
233	3.67E-02	0.82
232	3.75E-02	0.82
233	2.99E-02	0.81
233	3.43E-02	0.82
3	6.80E-01	1.10
20	1.65E-01	0.82
3	9.10E-01	1.02
0	9.75E-01	0.96
0	6.82E-01	1.47
41	7.63E-01	1.04
1196	8.06E-01	1.03

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1387	7.41E-01	0.96
0	4.15E-01	0.36
0	5.23E-01	2.18
1384	8.14E-01	0.97
222	3.72E-01	0.92
0	6.58E-01	0.85
1	8.94E-02	0.40
0	6.83E-01	0.55
0	4.49E-01	1.51
0	4.91E-01	0.48
0	1.42E-01	1.73
1406	3.47E-01	0.89
0	9.07E-01	0.81
0	1.50E-01	3.41
11	1.39E-01	0.77
0	3.69E-01	0.42
0	7.89E-01	0.73
456	5.29E-01	0.95
2	2.22E-01	1.49
0	9.97E-01	0.99
0	9.82E-01	0.98
112	8.61E-01	1.02
0	4.70E-01	0.47
0	3.89E-01	0.33
4	3.96E-01	1.22
4	3.96E-01	1.22
0	5.68E-01	0.58
0	4.81E-01	0.48
0	4.53E-01	0.51
0	5.71E-01	0.52
1	7.99E-01	0.85
1	7.10E-01	0.92
0	5.66E-01	0.61
412	7.78E-01	0.97
0	4.71E-02	0.08
4	4.42E-01	0.84
0	8.94E-02	2.45
387	6.44E-01	1.04
0	6.48E-01	1.45
0	3.94E-01	0.32
0	3.71E-01	1.92
2	1.39E-01	1.69
474	1.25E-01	0.87

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.97E-01	1.95
932	4.03E-01	1.09
933	3.84E-01	1.09
0	9.74E-01	1.05
0	4.47E-01	2.18
0	4.51E-01	0.60
0	2.29E-01	0.33
189	6.28E-01	1.05
0	7.48E-02	5.71
0	1.87E-01	3.01
0	6.42E-01	0.86
14	8.16E-01	0.97
329	3.78E-01	1.08
0	5.19E-01	1.99
3	4.29E-01	1.31
0	3.62E-02	8.51
0	4.73E-01	0.69
1	3.12E-01	1.50
0	4.45E-01	2.16
0	6.38E-01	0.74
0	8.24E-01	1.08
0	4.73E-01	1.23
0	7.75E-01	1.27
0	5.19E-01	2.80
4	8.63E-01	0.94
491	8.15E-01	1.02
0	2.10E-02	4.20
0	6.88E-01	0.77
495	8.60E-01	1.02
0	2.81E-01	0.46
0	5.55E-01	1.93
697	8.82E-01	1.01
0	2.31E-01	0.30
481	5.59E-01	0.95
12	2.44E-01	0.81
208	7.90E-01	1.03
5	8.33E-02	1.37
0	6.27E-01	0.70
563	6.54E-01	1.04
0	2.73E-01	1.73
437	7.47E-01	1.03
0	4.98E-01	2.12
0	3.30E-01	0.29

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.99E-01	0.35
1	2.58E-01	1.35
236	3.78E-01	1.09
0	8.19E-01	1.23
0	3.66E-01	0.31
0	2.43E-01	0.63
0	4.89E-01	0.54
0	4.46E-01	1.41
0	2.02E-01	1.56
0	8.07E-01	0.87
0	3.63E-01	1.64
135	5.15E-02	1.22
0	4.47E-01	0.60
0	2.00E-01	4.35
254	1.98E-01	1.13
867	4.14E-01	1.08
0	8.20E-01	0.88
1	8.69E-01	0.93
0	8.50E-01	0.90
1	1.80E-01	2.84
197	5.31E-01	0.94
11	7.72E-01	0.95
0	3.95E-01	2.37
1256	8.28E-01	0.98
0	3.21E-01	0.28
0	3.83E-01	2.67
6	4.41E-01	0.85
19	9.68E-01	0.99
0	1.06E-01	0.16
0	2.94E-01	2.16
0	2.33E-01	4.00
624	6.91E-01	1.04
0	5.67E-01	1.27
0	2.29E-02	9.61
0	5.82E-01	0.59
163	9.27E-01	0.99
5	9.69E-01	0.99
0	5.11E-01	0.47
0	1.60E-01	0.35
0	8.98E-01	1.05
196	1.68E-01	0.88
0	5.94E-01	1.43
72	9.97E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.33E-01	0.35
71	9.54E-01	1.01
0	1.97E-01	2.64
0	1.49E-01	5.19
7	1.56E-01	0.75
0	4.51E-01	1.43
7	8.32E-02	0.69
0	6.47E-01	1.38
0	4.45E-01	2.44
0	7.82E-01	0.66
7	1.55E-01	0.75
0	5.38E-01	1.24
4	2.55E-01	0.73
0	9.65E-01	1.02
64	2.16E-01	1.15
284	1.08E-01	0.86
6	1.09E-02	1.62
0	8.32E-01	1.17
1	6.69E-01	1.15
0	7.94E-01	1.13
780	8.32E-02	1.18
0	5.08E-01	0.37
0	2.89E-01	2.54
0	1.51E-01	3.57
1	7.92E-01	0.92
416	2.56E-01	1.11
0	4.92E-01	2.04
0	2.68E-01	3.29
141	8.72E-01	1.02
1	7.51E-01	0.90
0	7.57E-01	0.65
0	1.25E-01	2.96
0	1.86E-01	0.30
0	8.16E-01	0.72
0	2.45E-01	2.70
0	4.92E-01	0.39
4	8.43E-02	0.63
5	4.67E-01	1.23
0	4.95E-01	1.82
0	9.86E-01	0.99
208	4.47E-01	0.93
3	7.75E-01	0.93
0	1.49E-01	3.42

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

71	2.39E-01	0.87
36	7.07E-01	1.05
207	4.92E-01	0.94
36	6.94E-01	1.05
59	8.61E-01	1.02
0	6.67E-01	0.66
1	6.60E-01	0.61
545	3.21E-01	1.09
1296	6.36E-01	1.06
0	1.41E-01	0.13
0	6.07E-01	1.22
0	3.91E-01	2.04
0	8.76E-01	1.43
557	3.00E-01	1.10
57	7.49E-01	1.04
0	9.69E-01	0.96
0	1.21E-01	0.27
0	4.40E-01	0.52
1921	1.94E-01	0.06
0	9.51E-01	0.97
1425	9.38E-01	1.01
0	8.79E-01	1.19
0	1.71E-01	0.30
0	7.43E-01	1.42
3	6.99E-01	0.91
0	7.32E-01	1.39
0	1.81E-01	1.48
0	5.37E-01	1.53
0	7.33E-01	1.39
0	8.81E-01	1.06
0	6.26E-01	0.84
0	4.83E-01	2.10
1	6.98E-01	1.10
0	2.51E-01	0.60
2	2.92E-01	0.76
0	4.60E-01	0.49
1	5.37E-01	0.84
0	7.95E-01	1.08
734	4.46E-01	1.07
0	8.12E-01	1.39
0	9.83E-01	1.03
0	7.91E-01	0.71
0	3.91E-01	3.69

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.78E-01	1.35
0	3.14E-02	0.08
121	1.52E-01	1.16
0	7.86E-01	1.09
0	9.17E-01	1.10
0	6.90E-01	0.58
0	6.51E-01	1.61
0	6.28E-01	1.28
1082	2.99E-01	0.90
0	1.69E-01	0.47
0	5.38E-01	1.49
0	9.62E-01	1.02
0	5.48E-01	0.82
916	9.67E-01	1.00
0	4.38E-01	2.15
0	1.23E-01	5.27
0	9.89E-01	1.02
1	7.54E-01	0.90
0	9.84E-01	0.99
0	9.77E-01	0.97
0	6.60E-02	5.85
0	3.07E-01	3.42
0	7.13E-01	0.73
0	8.26E-02	0.12
0	6.04E-01	0.57
0	2.51E-01	2.08
1	3.72E-01	1.23
0	7.63E-01	0.77
336	7.41E-02	1.18
0	8.25E-01	1.13
337	5.84E-02	1.19
1	6.60E-01	0.86
284	7.81E-02	1.18
1	9.97E-02	0.59
0	5.52E-01	3.30
632	4.09E-01	1.08
3	1.98E-01	1.31
267	1.82E-01	1.13
0	9.42E-01	0.90
0	7.58E-01	1.23
0	7.32E-01	0.64
1	1.01E-01	0.27
0	7.99E-01	1.27

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.36E-01	0.97
0	5.54E-01	0.44
0	4.32E-02	6.31
1	5.36E-01	1.57
0	8.97E-01	0.89
0	9.69E-01	0.96
1	1.23E-01	0.57
20	5.81E-01	1.10
20	8.95E-01	1.02
0	2.06E-01	0.50
21	5.45E-01	1.11
0	2.36E-01	2.55
0	3.51E-01	0.42
0	1.51E-01	0.47
5	2.30E-01	1.28
5	2.78E-01	1.30
0	6.98E-01	1.11
0	2.93E-01	0.37
0	7.24E-01	0.84
9	7.92E-01	1.05
0	3.51E-01	1.73
0	4.10E-01	0.57
346	7.30E-01	1.03
0	7.29E-01	1.45
0	4.75E-01	0.74
0	3.56E-01	2.63
0	1.62E-01	4.42
0	2.00E-01	1.95
0	2.56E-01	1.86
721	6.53E-01	0.96
1762	7.04E-01	1.09
566	6.36E-01	0.96
667	4.62E-01	0.93
0	8.66E-01	0.85
0	8.01E-01	1.28
0	8.12E-01	0.76
0	1.89E-01	3.78
2	3.23E-01	1.30
0	2.77E-02	8.22
0	7.04E-01	0.84
0	4.58E-01	1.86
433	9.72E-02	1.16
0	8.84E-02	0.45

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.92E-02	0.10
0	8.88E-01	1.14
0	9.84E-02	0.10
0	6.49E-01	1.58
0	6.62E-01	0.55
0	2.27E-01	0.39
0	9.73E-01	0.98
0	1.58E-01	1.83
0	1.04E-01	2.60
0	3.67E-01	1.44
0	4.31E-01	1.64
0	1.56E-01	2.49
0	1.39E-01	0.10
1921	2.65E-01	0.10
0	5.96E-01	1.61
465	5.00E-01	1.06
0	2.76E-01	2.90
0	7.81E-01	1.20
10	3.17E-01	0.83
1	6.78E-01	1.10
8	6.46E-01	0.92
0	4.64E-01	0.47
1	9.17E-01	1.02
0	6.87E-01	1.52
0	7.40E-01	1.53
292	2.62E-01	1.11
0	1.04E-01	2.60
0	4.30E-01	0.63
264	2.60E-01	1.11
2	4.14E-01	0.72
0	8.91E-01	1.13
0	9.30E-01	0.91
0	1.39E-01	2.32
1	7.18E-01	1.58
1	6.81E-01	1.68
333	1.71E-01	0.88
12	9.74E-01	0.99
3	6.46E-01	0.90
228	1.78E-01	0.88
447	7.09E-01	1.03
0	7.13E-01	0.74
0	2.31E-01	0.34
0	2.48E-02	9.49

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.80E-01	1.04
2	6.46E-01	1.12
180	3.65E-01	0.92
23	7.11E-01	0.95
1	8.62E-01	0.81
0	5.29E-01	1.54
4	8.56E-01	1.04
0	6.46E-01	0.86
0	1.25E-01	2.08
0	3.31E-01	1.59
0	6.78E-01	1.63
0	2.33E-01	1.79
0	4.67E-01	0.55
281	4.80E-01	0.94
0	1.35E-01	0.26
0	2.83E-01	3.32
0	9.82E-01	0.98
0	4.30E-02	0.04
70	9.61E-01	0.99
35	9.36E-01	1.01
0	4.30E-01	1.93
0	7.08E-01	1.27
0	5.62E-01	1.92
0	5.28E-01	1.41
11	7.15E-01	1.06
0	7.20E-01	1.26
0	5.92E-01	1.53
230	6.21E-01	0.95
0	2.91E-01	2.55
18	1.59E-01	1.23
25	4.78E-01	1.10
0	3.27E-01	1.64
0	6.48E-01	0.59
0	7.72E-01	1.35
0	2.80E-01	3.04
0	4.56E-01	0.37
19	5.81E-01	1.09
0	7.69E-01	1.38
3	3.69E-01	1.23
608	1.85E-01	0.89
0	4.59E-01	1.98
4	2.34E-01	1.30
0	1.44E-02	0.29

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.55E-01	0.70
0	1.68E-01	0.64
0	9.28E-01	1.21
0	4.24E-02	4.40
0	5.19E-01	0.74
0	2.64E-01	2.07
0	4.62E-01	0.53
0	3.38E-01	2.69
0	5.68E-01	1.56
3	4.92E-02	1.54
3	1.71E-01	1.33
1	2.75E-01	0.63
0	9.03E-01	1.15
3	4.73E-02	1.55
10	4.77E-01	1.12
0	2.42E-01	2.42
0	8.06E-01	1.32
0	3.56E-01	0.29
0	5.71E-01	1.48
0	5.86E-01	1.36
0	6.01E-01	1.30
0	8.80E-01	0.84
1	7.91E-01	0.67
0	3.70E-01	0.26
1	3.26E-01	0.53
0	9.61E-01	0.94
0	6.85E-01	0.58
0	6.73E-02	0.09
0	8.32E-02	5.08
0	2.98E-03	3.10
0	7.08E-01	1.54
0	1.00E+00	1.00
0	1.00E+00	1.00
0	1.66E-01	1.57
0	4.88E-01	1.73
0	2.80E-01	1.72
0	5.78E-01	0.60
0	7.48E-02	3.26
1920	8.94E-01	1.23
15	9.15E-01	0.98
0	7.35E-01	1.20
0	9.65E-01	0.94
0	1.38E-01	1.71

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.19E-01	3.20
0	5.00E-01	0.41
0	5.55E-01	0.48
0	1.68E-01	0.56
0	8.71E-01	1.17
0	1.88E-01	3.24
0	9.40E-02	4.78
0	9.40E-02	4.78
0	3.99E-01	1.68
4	2.96E-01	0.74
1	1.23E-01	0.15
0	2.39E-01	2.88
29	4.74E-01	0.90
0	2.41E-01	3.31
0	3.20E-01	2.63
0	3.20E-01	2.63
0	1.94E-01	2.56
0	8.44E-01	1.15
0	5.98E-01	1.40
0	1.19E-01	0.29
0	4.72E-01	0.38
0	9.38E-01	1.13
0	4.05E-01	0.46
1748	1.50E-01	0.75
0	3.14E-01	1.73
0	4.35E-01	1.64
0	8.40E-01	0.87
1	2.58E-01	2.70
99	4.64E-01	0.92
0	5.84E-01	0.53
26	5.45E-01	0.92
0	9.37E-01	0.89
2	5.13E-01	0.85
64	5.12E-01	0.92
2	1.70E-01	0.71
0	8.68E-01	0.83
469	5.55E-01	1.05
297	5.06E-01	0.94
10	1.53E-01	0.78
0	9.56E-01	0.96
2	8.38E-01	0.95
0	7.22E-01	2.48
4	6.67E-01	0.90

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.75E-01	1.86
0	5.31E-01	0.42
0	5.93E-01	1.87
1	7.29E-01	0.86
0	8.72E-01	0.81
0	4.01E-01	1.45
0	9.51E-01	1.12
5	9.79E-01	1.01
0	3.73E-01	1.89
0	4.24E-01	1.82
0	9.42E-01	0.96
0	7.38E-01	1.40
0	2.37E-01	2.81
0	3.04E-01	0.47
0	3.50E-01	0.36
0	4.28E-01	1.41
0	4.28E-01	1.41
0	9.75E-01	0.98
0	3.17E-01	2.05
0	8.40E-01	1.33
0	3.65E-01	1.60
0	8.52E-01	0.93
0	8.21E-01	1.22
0	8.12E-01	1.23
3	6.15E-02	0.57
17	8.09E-01	1.04
189	3.54E-01	1.09
986	3.79E-01	1.09
0	4.19E-01	1.73
0	9.44E-01	1.05
0	8.15E-01	1.30
0	6.86E-01	1.18
225	8.15E-01	1.02
17	8.18E-01	1.04
0	6.46E-01	0.52
0	2.59E-01	2.50
0	2.59E-01	2.50
31	4.90E-01	1.11
114	3.70E-01	0.91
0	1.08E-01	0.18
19	2.94E-01	1.19
708	7.38E-01	0.97
0	5.76E-01	1.50

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

690	3.39E-01	1.09
0	3.69E-01	2.98
0	8.93E-02	2.04
0	7.40E-01	0.87
7	4.12E-01	0.84
1	2.51E-01	1.58
3	5.01E-02	1.47
325	8.80E-01	0.99
0	3.97E-01	2.75
468	8.88E-01	0.99
1	5.43E-01	0.76
0	9.86E-01	1.01
0	1.56E-01	0.20
1	7.41E-02	0.62
0	5.92E-02	0.09
0	7.84E-01	1.11
0	9.91E-01	0.99
0	2.56E-01	0.45
0	5.75E-01	1.32
0	1.56E-01	0.37
0	8.11E-01	0.80
9	5.62E-01	1.10
0	4.22E-01	1.60
0	8.04E-01	1.14
0	6.09E-01	0.66
0	6.47E-01	0.53
0	5.16E-01	0.68
4	6.78E-01	1.11
0	9.01E-01	1.10
0	1.62E-01	3.75
0	1.00E-01	4.98
0	8.11E-01	1.23
482	4.42E-01	0.93
0	9.05E-01	0.84
46	5.97E-01	1.07
5	6.10E-01	1.11
1	5.83E-01	0.86
0	8.81E-02	2.29
127	1.21E-02	0.76
0	1.43E-01	2.50
5	2.25E-01	0.76
5	1.91E-01	0.74
5	2.00E-01	0.75

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.93E-01	1.63
0	7.58E-01	1.35
0	7.47E-01	0.78
906	9.52E-01	0.99
0	5.61E-01	1.42
17	8.97E-01	1.02
0	1.70E-01	0.44
2	9.22E-01	1.03
0	4.65E-01	2.10
14	6.95E-01	1.07
0	1.60E-01	0.61
0	4.60E-01	0.49
0	7.56E-01	1.65
0	9.63E-01	0.93
0	8.51E-01	1.20
0	5.11E-01	1.47
0	3.56E-01	2.31
0	3.05E-01	2.26
0	4.70E-01	0.44
1	3.51E-01	1.63
0	8.78E-01	0.86
0	8.42E-01	1.20
323	3.38E-01	1.09
0	6.73E-01	1.32
1	5.10E-01	0.77
1016	3.58E-01	1.10
0	1.22E-01	1.81
0	9.98E-01	1.00
0	6.21E-01	0.67
145	9.29E-01	0.99
0	4.58E-01	0.69
0	3.40E-02	2.60
0	9.13E-01	0.85
0	8.21E-01	0.84
10	3.88E-01	0.86
325	1.77E-01	1.13
4	3.31E-01	0.78
0	8.34E-01	0.75
0	3.76E-01	0.40
1	1.67E-01	0.63
0	4.34E-01	0.55
0	9.67E-01	1.02
0	7.46E-01	0.64

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.65E-01	0.24
0	5.08E-01	0.41
2	4.33E-01	0.83
2	6.25E-01	0.89
0	5.97E-01	1.80
11	1.76E-01	0.77
0	3.81E-01	0.47
0	2.13E-01	0.37
0	8.58E-01	0.85
10	1.61E-01	0.77
0	1.10E-01	6.37
0	4.76E-01	3.49
0	6.15E-01	0.79
37	7.57E-01	0.96
0	4.84E-01	0.36
1770	4.60E-01	0.85
4	4.02E-01	0.84
6	7.10E-01	0.92
3	3.98E-01	1.24
1	4.78E-01	1.19
3	5.60E-01	0.85
0	4.98E-01	2.14
0	7.18E-01	0.69
1894	8.53E-01	1.10
30	9.88E-01	1.00
0	1.34E-01	3.22
0	9.28E-01	0.94
0	8.08E-01	1.31
0	9.86E-01	0.98
0	4.40E-01	0.47
54	2.00E-02	0.75
0	8.64E-01	0.93
0	9.63E-02	1.85
116	9.98E-01	1.00
0	9.03E-02	0.33
1	8.64E-02	1.75
0	2.77E-01	0.53
0	3.64E-01	0.62
2	4.73E-01	1.21
0	2.96E-01	2.16
0	6.40E-01	1.53
0	6.75E-01	0.55
0	2.17E-01	0.31

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.64E-01	2.07
0	2.48E-01	4.05
0	5.04E-02	0.07
100	9.31E-01	0.99
0	2.69E-01	2.67
0	5.69E-01	0.55
0	5.69E-01	0.55
0	2.23E-01	2.11
0	6.13E-01	1.80
0	9.92E-01	1.00
0	4.90E-01	2.11
0	6.45E-01	1.57
0	7.27E-02	5.27
0	3.44E-01	0.29
0	1.85E-01	0.20
0	7.98E-01	0.75
0	7.32E-01	1.44
0	2.66E-01	0.25
0	5.33E-01	0.72
0	7.39E-01	0.73
0	6.47E-01	1.41
0	4.56E-02	4.22
1922	7.20E-02	0.07
257	2.07E-01	0.89
753	2.39E-01	1.12
32	4.32E-01	0.90
0	8.17E-01	1.25
0	5.93E-01	1.27
1	3.69E-01	0.73
75	2.39E-01	0.87
0	8.97E-01	1.06
58	4.88E-01	1.08
738	8.80E-01	0.99
75	3.03E-01	0.89
0	8.36E-01	0.76
0	7.34E-01	0.66
0	9.89E-02	6.71
0	8.10E-01	0.69
0	3.80E-01	1.86
26	7.61E-01	1.05
0	9.46E-01	0.95
0	5.99E-02	1.80
14	4.63E-01	1.15

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.38E-01	1.21
863	6.05E-01	0.95
0	8.03E-01	0.79
0	6.43E-01	0.66
0	6.46E-01	1.19
1	7.49E-01	1.10
0	3.90E-01	2.02
0	9.53E-01	0.98
1078	6.23E-02	1.22
0	8.58E-02	0.52
9	5.30E-01	0.89
2	3.66E-01	1.50
0	1.88E-01	0.50
0	7.14E-01	1.39
0	2.87E-01	1.91
0	6.45E-01	1.43
0	4.09E-02	0.08
0	6.82E-01	1.56
0	5.18E-01	1.70
0	3.53E-01	0.29
0	8.14E-01	0.82
0	3.96E-01	2.59
0	5.37E-01	0.72
3	8.20E-01	1.08
0	8.00E-01	1.13
0	1.23E-01	0.60
0	4.41E-02	0.23
0	3.47E-01	2.75
0	8.17E-01	0.72
0	9.13E-01	1.05
7	5.46E-01	1.13
0	8.29E-01	1.10
0	9.03E-01	0.84
0	5.61E-01	1.34
0	2.80E-01	2.36
34	5.61E-01	1.08
1233	6.83E-01	1.05
3	9.95E-01	1.00
0	6.48E-01	0.63
20	4.53E-01	1.11
248	2.45E-01	0.90
0	6.99E-01	1.90
3	9.13E-01	0.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

3	9.13E-01	0.97
3	9.85E-01	1.01
23	6.87E-01	1.06
0	5.20E-01	1.42
0	3.56E-01	2.69
0	4.87E-01	0.48
0	7.35E-01	0.69
0	5.44E-01	2.26
0	2.80E-01	2.36
1	9.49E-02	1.69
0	9.05E-01	1.11
2	9.22E-01	0.98
3	7.01E-01	0.87
85	9.47E-01	0.99
84	9.64E-01	0.99
84	9.75E-01	1.00
84	9.88E-01	1.00
84	9.88E-01	1.00
84	9.88E-01	1.00
84	9.88E-01	1.00
0	9.05E-01	1.11
0	6.10E-01	0.50
0	7.82E-01	0.78
81	7.66E-01	1.03
81	8.37E-01	1.02
0	6.56E-01	0.53
695	5.17E-01	0.94
0	1.64E-01	5.04
74	5.73E-02	1.23
183	8.59E-01	0.98
182	8.32E-01	0.98
0	9.40E-01	0.92
6	2.07E-01	0.79
18	8.58E-01	0.97
3	7.22E-01	0.88
7	7.64E-01	1.07
0	8.62E-01	0.85
1	8.14E-01	1.14
0	4.70E-02	6.03
0	7.05E-01	1.57
0	9.63E-01	1.07
0	8.30E-01	0.74
4	5.92E-01	1.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.34E-01	1.33
0	8.19E-01	0.80
0	6.20E-01	1.33
0	9.88E-01	1.03
0	7.17E-01	1.82
79	3.80E-01	0.91
0	6.50E-01	1.56
49	2.10E-02	0.75
0	3.82E-01	3.24
0	5.39E-01	2.03
95	6.45E-01	1.05
0	2.60E-01	2.50
66	1.28E-01	1.19
0	7.84E-01	0.83
78	4.35E-01	1.09
0	3.33E-01	1.90
0	5.78E-01	0.61
1	2.82E-01	2.33
0	9.15E-01	1.05
1	2.82E-01	2.33
0	2.74E-01	0.38
1	2.82E-01	2.33
1	2.81E-01	2.33
1	9.54E-02	3.20
33	5.57E-01	0.92
726	3.34E-01	1.09
0	1.88E-01	3.58
1754	2.59E-01	1.29
0	9.49E-01	1.05
0	6.94E-01	0.79
0	4.87E-01	1.35
0	2.22E-01	2.29
0	9.07E-01	0.85
339	7.56E-01	0.97
0	9.08E-01	1.04
13	5.57E-01	1.11
139	3.19E-01	0.90
0	8.50E-01	0.76
0	3.77E-01	0.78
0	9.81E-01	1.03
0	2.17E-01	2.90
5	2.47E-01	1.23
0	5.31E-02	2.26

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.62E-01	1.89
0	3.35E-01	2.61
0	1.22E-01	6.35
0	5.73E-01	0.41
0	2.41E-01	3.56
0	2.20E-03	13.97
6	2.85E-02	1.43
1518	1.38E-02	1.46
64	3.28E-02	1.27
0	7.94E-01	0.69
2	9.58E-01	1.02
0	4.68E-01	2.24
154	1.68E-03	1.36
148	1.80E-03	1.36
642	1.66E-02	0.81
0	7.90E-01	1.52
0	2.35E-01	2.31
0	2.39E-01	0.20
0	1.16E-01	0.31
2	3.39E-01	1.29
1	5.38E-01	1.21
4	7.14E-01	0.91
0	7.56E-01	1.27
53	4.13E-01	1.10
0	6.12E-01	0.47
14	7.13E-02	1.32
91	4.35E-01	1.09
12	1.71E-01	1.25
0	5.31E-01	0.63
0	5.65E-01	1.69
2	3.64E-01	0.76
1	5.72E-01	0.85
0	4.22E-01	0.70
2	9.52E-01	1.02
0	1.51E-01	4.03
0	1.97E-01	4.32
0	4.55E-01	0.36
0	2.78E-01	2.74
0	1.96E-01	0.48
58	1.71E-01	1.17
0	4.17E-01	1.90
0	1.31E-01	0.18
0	4.78E-01	0.58

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.27E-01	0.44
0	3.78E-01	0.30
0	6.06E-01	1.75
0	9.89E-01	0.99
0	8.46E-01	1.10
0	9.93E-01	1.01
0	6.55E-01	1.37
0	5.50E-01	1.82
0	8.19E-04	24.78
30	3.97E-01	0.88
0	1.52E-01	3.09
102	7.99E-01	0.97
102	7.99E-01	0.97
0	5.08E-01	2.03
232	2.88E-01	0.90
231	3.46E-01	0.91
231	3.72E-01	0.92
0	7.67E-01	1.36
0	3.54E-01	0.57
0	2.29E-01	3.39
150	4.45E-01	0.93
92	3.55E-01	1.10
0	9.06E-01	1.04
0	1.20E-02	0.05
57	6.75E-02	0.80
1157	4.29E-01	1.09
1158	4.70E-01	1.08
1	4.98E-01	1.21
1	4.98E-01	1.21
0	3.39E-01	1.45
1	4.31E-01	1.27
41	1.48E-01	1.19
0	1.20E-02	0.05
1164	6.09E-01	1.06
29	1.62E-01	1.20
1166	5.36E-01	1.07
0	1.20E-02	0.05
1166	5.86E-01	1.06
2	8.75E-01	0.96
1	2.35E-01	1.50
0	7.47E-01	0.89
746	5.79E-01	0.95
714	4.32E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

30	2.05E-01	1.18
0	1.29E-01	2.15
0	9.72E-01	0.97
0	6.17E-01	0.81
0	4.61E-01	0.57
0	5.75E-01	1.85
0	3.39E-01	0.46
1	9.17E-01	0.94
0	8.66E-01	0.92
0	3.38E-01	0.48
0	7.04E-02	1.93
0	7.68E-01	1.60
0	1.63E-01	5.29
0	7.64E-01	1.62
0	8.88E-01	1.06
0	6.66E-01	1.39
0	7.55E-01	1.63
0	6.49E-02	0.23
0	5.00E-01	1.55
0	4.89E-02	6.94
0	5.78E-01	1.53
0	8.06E-01	0.70
0	9.87E-01	0.98
0	7.06E-01	1.45
0	1.15E-01	0.36
0	6.21E-01	0.46
0	6.04E-01	0.72
0	7.88E-01	0.82
0	2.63E-01	3.34
463	6.98E-01	1.04
0	9.09E-02	3.77
0	4.32E-02	0.11
3	3.17E-01	0.76
0	4.27E-01	2.23
1	3.37E-01	0.65
0	4.34E-01	1.47
34	8.17E-03	1.40
0	9.41E-01	1.07
0	8.81E-01	1.13
0	7.70E-01	1.30
33	4.41E-03	1.44
0	1.02E-01	0.16
0	1.77E-01	0.19

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.98E-01	0.81
0	5.33E-01	1.42
1059	3.42E-01	0.91
0	5.29E-01	0.57
2	5.30E-01	1.13
0	1.69E-01	0.26
0	2.65E-01	3.07
0	4.99E-01	1.47
0	5.10E-01	2.09
0	2.99E-01	0.27
0	7.00E-01	1.87
0	2.34E-01	0.35
1	4.76E-01	1.75
2	1.09E-01	2.02
0	6.21E-01	0.71
0	9.60E-01	0.93
0	9.84E-06	30.78
558	3.94E-01	1.08
0	7.56E-01	0.90
0	5.07E-01	0.65
0	9.27E-01	1.10
1	6.30E-01	1.14
0	8.58E-01	0.84
0	4.24E-01	2.07
0	5.05E-01	1.55
0	5.82E-01	0.60
792	7.64E-01	0.97
1	7.55E-01	1.35
0	8.24E-01	1.19
0	1.41E-01	0.13
3	4.99E-01	1.18
5	9.64E-02	0.70
572	8.70E-01	0.99
5	4.71E-01	0.85
5	4.51E-01	0.85
0	4.37E-01	2.31
0	8.92E-02	0.12
0	5.77E-01	0.60
0	5.12E-01	1.71
570	6.43E-01	0.96
0	1.22E-01	3.85
0	7.03E-01	1.13
0	9.86E-02	0.51

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.91E-01	1.11
459	4.91E-01	0.94
52	8.93E-01	0.98
31	7.70E-02	1.26
52	8.61E-01	0.98
0	7.43E-01	0.63
0	6.39E-01	1.61
0	5.94E-01	0.69
0	4.29E-01	2.13
0	3.99E-01	0.77
2	3.00E-02	1.59
0	4.66E-01	0.58
0	8.17E-01	1.08
7	7.49E-01	1.06
0	2.96E-01	2.56
28	8.21E-01	1.03
0	6.10E-01	0.70
0	5.60E-01	0.50
16	2.30E-01	1.21
6	7.84E-01	1.06
0	1.46E-01	0.33
0	3.21E-04	7.20
0	4.86E-01	1.67
0	7.26E-01	1.42
830	7.11E-01	0.97
0	6.21E-01	1.15
40	6.86E-01	0.95
0	8.69E-01	0.92
0	2.69E-01	1.93
0	2.22E-01	0.21
5	8.88E-02	0.67
5	8.97E-02	0.67
4	4.40E-02	0.62
1	4.85E-01	1.37
0	1.89E-01	3.00
0	1.73E-01	0.58
0	8.72E-01	1.12
0	5.26E-01	1.92
0	2.70E-01	2.94
0	9.95E-01	1.00
0	8.29E-01	1.25
0	4.06E-01	0.43
0	1.59E-01	3.34

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.16E-01	3.05
0	6.64E-01	0.75
0	9.10E-01	0.91
6	2.68E-01	0.78
0	4.41E-01	2.32
665	5.55E-01	0.95
0	6.09E-01	0.47
0	3.62E-01	1.69
0	9.36E-01	1.07
6	5.06E-01	0.88
0	1.29E-01	0.17
0	4.81E-01	2.11
0	6.87E-01	0.79
4	7.65E-01	1.09
0	3.93E-01	1.88
0	6.65E-01	1.36
0	3.05E-01	1.89
1	6.90E-01	1.10
0	3.54E-01	2.42
44	6.75E-01	1.05
0	6.91E-01	1.40
1297	5.94E-01	0.94
0	9.89E-01	0.99
477	7.98E-01	1.02
0	1.30E-01	0.21
3	9.49E-01	1.02
2	6.41E-01	0.86
0	6.26E-02	0.09
17	3.45E-01	1.15
1	7.26E-01	0.84
232	7.68E-01	1.03
0	4.01E-01	0.44
1	4.26E-01	1.74
0	1.11E-01	1.81
0	4.04E-01	2.12
0	5.80E-01	1.85
0	8.53E-01	0.85
0	4.94E-01	0.56
68	7.23E-01	1.04
22	4.22E-01	0.89
3	9.17E-01	1.03
0	5.08E-01	0.70
6	1.81E-01	1.31

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

16	9.78E-01	1.00
0	9.50E-01	1.10
0	6.78E-02	0.38
1	1.20E-01	0.29
1441	3.60E-01	0.89
1687	9.40E-01	0.99
1	6.82E-01	1.23
0	3.70E-01	0.45
0	7.92E-01	1.13
0	7.36E-01	1.81
0	4.07E-02	8.20
220	9.50E-01	1.01
0	1.45E-02	9.76
179	3.00E-01	1.11
16	8.55E-01	1.03
0	1.39E-01	0.37
0	6.76E-02	6.40
2	9.46E-01	0.98
0	7.71E-01	0.79
0	8.28E-01	0.83
0	6.92E-01	1.45
2	9.27E-01	1.02
16	3.18E-01	1.18
0	4.41E-01	0.56
0	9.00E-02	2.17
0	9.59E-01	1.05
0	2.88E-02	10.07
0	5.85E-02	7.63
0	8.53E-01	0.76
0	3.48E-01	4.19
0	7.57E-02	3.13
0	8.08E-02	8.40
0	7.14E-01	1.35
0	8.91E-01	0.87
0	3.85E-01	0.33
25	4.33E-01	0.89
0	2.56E-01	1.45
0	4.14E-01	1.31
0	7.87E-01	0.74
0	7.13E-01	2.63
0	4.19E-01	1.51
148	8.73E-01	0.98
0	3.93E-02	5.80

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

68	2.09E-01	1.15
0	2.79E-01	1.53
0	9.71E-01	0.98
0	8.89E-02	0.11
0	7.02E-01	0.70
448	7.57E-01	1.03
0	4.61E-01	0.48
0	2.64E-01	3.37
0	1.64E-01	3.55
0	8.51E-01	0.88
76	4.04E-01	0.91
877	1.99E-01	1.13
0	7.02E-01	0.59
0	7.89E-01	0.91
0	4.13E-01	2.48
250	4.98E-01	1.07
0	9.14E-01	0.86
114	4.16E-01	0.92
0	4.51E-01	0.46
0	4.28E-01	1.70
0	3.99E-01	1.95
0	2.97E-01	0.24
0	1.27E-01	0.27
0	4.53E-01	1.55
0	8.21E-01	0.80
0	4.13E-01	0.47
137	1.04E-01	1.18
0	1.52E-01	0.15
58	3.70E-01	1.11
0	1.34E-01	3.62
0	7.63E-01	1.35
0	3.42E-01	0.28
0	4.58E-01	1.45
0	6.27E-01	0.65
0	9.87E-01	1.02
0	5.67E-01	0.79
0	2.17E-01	2.37
53	6.64E-01	0.95
299	2.22E-01	0.90
17	3.92E-01	1.14
12	5.85E-01	0.91
20	1.43E-01	1.23
0	7.96E-01	0.80

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.22E-01	1.23
0	1.27E-01	4.14
0	6.24E-01	1.24
0	8.34E-01	0.87
0	7.02E-01	1.60
0	6.22E-01	1.62
0	8.64E-01	1.13
0	9.40E-01	1.12
0	6.56E-01	1.55
10	1.25E-01	0.76
0	8.85E-01	1.22
0	1.53E-01	3.88
17	8.77E-01	1.03
0	2.25E-01	2.16
0	2.05E-01	2.89
0	9.58E-02	0.34
0	1.57E-01	0.44
0	6.69E-01	1.48
6	7.30E-01	0.92
0	4.73E-02	6.01
0	9.97E-01	0.99
0	5.88E-01	1.73
0	2.29E-01	1.90
0	2.29E-01	1.90
0	1.42E-01	0.55
2	4.49E-01	1.21
36	9.81E-01	1.00
0	1.15E-01	2.78
917	6.26E-01	1.05
0	9.71E-01	1.06
0	4.73E-01	2.18
0	3.02E-02	5.37
0	8.47E-01	0.83
0	4.15E-01	1.65
0	1.68E-01	2.20
5	6.02E-01	1.11
1	1.92E-01	0.54
33	1.76E-01	0.83
0	9.51E-01	0.95
0	1.59E-01	0.37
0	9.63E-01	1.05
327	1.69E-01	1.14
0	8.89E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

198	4.19E-01	1.08
0	3.40E-01	2.18
0	8.27E-01	0.89
8	1.53E-01	0.74
0	9.66E-02	0.24
0	2.88E-01	0.43
0	2.88E-01	0.43
0	5.37E-01	2.20
0	2.88E-01	0.43
0	9.17E-01	0.94
0	4.74E-01	1.68
0	9.31E-01	1.08
985	4.64E-01	0.93
1	9.02E-01	1.05
984	4.76E-01	0.93
985	4.66E-01	0.93
658	5.16E-01	0.94
10	8.50E-01	0.97
0	9.60E-01	1.08
0	2.43E-01	2.39
0	9.19E-01	1.03
0	6.34E-01	0.49
0	3.96E-01	2.03
10	7.31E-01	1.06
354	5.52E-01	1.06
64	8.84E-01	0.98
354	5.44E-01	1.06
64	9.18E-01	0.99
107	4.39E-01	1.09
89	1.08E-01	1.19
505	3.40E-01	1.09
785	9.62E-01	1.00
0	8.88E-01	1.16
0	9.03E-01	0.87
0	4.21E-01	2.00
1068	5.69E-01	0.94
2	7.30E-01	0.91
0	5.76E-01	0.44
31	1.66E-01	1.21
10	2.89E-01	1.23
159	3.65E-01	0.92
0	1.81E-01	3.52
1	5.94E-01	0.82

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.05E-01	1.65
20	5.33E-01	0.91
0	5.30E-01	1.30
7	2.18E-01	1.30
0	3.83E-01	1.45
13	3.34E-03	0.59
210	7.92E-01	1.03
0	6.80E-01	1.35
0	3.86E-01	1.45
0	2.62E-01	0.35
0	4.88E-01	0.73
0	7.57E-01	1.27
39	7.11E-02	1.25
0	9.44E-01	0.93
272	1.81E-01	1.13
27	3.12E-01	0.87
77	6.26E-01	1.06
0	5.97E-01	1.69
0	5.23E-02	9.41
1	4.78E-01	0.59
0	7.20E-02	1.53
64	8.42E-01	0.98
0	6.86E-01	1.67
0	3.54E-01	0.66
0	1.90E-01	0.27
4	3.02E-01	1.25
60	8.25E-01	1.03
60	9.35E-01	0.99
0	5.54E-01	0.70
3	5.25E-01	1.20
3	5.70E-01	1.18
3	5.67E-01	1.18
0	6.00E-01	0.45
162	8.81E-01	1.01
0	6.67E-01	1.54
1081	6.54E-01	0.96
0	3.90E-01	1.87
0	4.13E-01	0.33
233	8.03E-01	1.02
0	8.16E-01	1.20
0	8.61E-01	1.09
0	5.09E-01	1.88
0	3.64E-01	1.53

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

423	4.42E-01	0.93
46	7.13E-01	1.05
6	6.66E-01	1.10
2	6.38E-01	1.15
0	1.17E-04	113.85
0	2.35E-01	0.16
23	6.22E-01	0.93
0	7.19E-01	0.52
51	3.24E-01	1.13
0	2.85E-01	2.18
0	9.94E-01	1.01
0	1.87E-01	2.59
0	3.45E-01	2.59
78	2.74E-01	0.88
2	1.53E-01	0.71
0	1.11E-01	3.32
0	5.12E-01	1.90
223	5.49E-01	0.95
5	1.89E-01	0.71
0	8.24E-01	0.73
0	4.30E-02	0.26
0	1.39E-01	0.15
0	9.10E-01	1.18
0	1.63E-01	5.14
0	7.76E-01	0.93
53	2.29E-01	1.15
47	4.23E-01	0.90
77	6.85E-02	0.81
54	2.76E-03	1.42
0	4.67E-01	1.31
52	2.33E-03	1.43
0	8.64E-01	1.29
49	4.10E-01	0.90
180	6.15E-01	1.05
0	3.92E-01	2.41
0	5.63E-01	0.47
11	7.07E-02	0.72
18	1.13E-02	0.66
0	1.75E-01	0.64
33	8.01E-01	0.97
0	1.35E-01	1.51
77	8.57E-02	0.82
0	6.94E-02	0.60

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	6.96E-01	0.91
0	7.75E-01	0.81
44	2.44E-01	1.15
19	2.87E-01	1.15
0	5.68E-01	1.26
8	7.96E-01	1.05
0	5.26E-01	1.80
0	4.47E-01	0.35
0	7.95E-01	1.30
0	7.45E-01	0.63
0	5.47E-01	1.36
453	6.92E-01	1.04
3	1.27E-01	1.41
0	4.12E-01	0.34
0	4.86E-01	0.61
0	5.37E-01	1.32
376	2.33E-01	1.12
1901	4.19E-01	1.67
0	2.89E-01	3.07
1175	6.85E-02	1.22
100	9.31E-01	1.01
0	5.37E-01	1.32
0	5.28E-01	1.33
0	2.78E-01	0.36
87	9.01E-01	1.01
0	5.37E-01	1.32
1146	7.66E-02	1.21
0	2.87E-01	1.42
0	5.36E-01	1.32
0	3.05E-01	2.80
5	3.56E-01	0.84
0	2.74E-03	21.23
0	4.55E-01	1.59
0	2.72E-01	0.33
0	8.13E-01	1.12
0	2.99E-02	6.28
0	9.09E-01	1.04
0	5.35E-02	0.10
18	2.32E-01	0.83
0	6.86E-01	1.44
0	6.95E-01	1.20
9	1.20E-01	0.72
0	4.22E-01	0.34

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.87E-01	1.77
0	5.29E-01	1.66
0	7.56E-02	2.59
652	9.07E-02	1.16
8	5.91E-01	1.10
3	3.48E-01	1.23
11	4.10E-01	1.15
668	1.65E-01	0.88
0	5.33E-01	2.04
0	9.69E-01	0.98
0	4.26E-02	7.43
0	1.58E-01	0.47
244	5.30E-01	1.06
0	8.26E-01	1.12
232	7.30E-01	1.03
0	6.61E-01	1.43
0	5.14E-02	8.40
7	6.19E-01	1.09
0	8.45E-01	1.09
0	4.35E-01	0.34
0	7.89E-01	1.32
10	4.31E-02	1.42
71	1.61E-01	0.85
18	9.55E-01	1.01
0	6.25E-01	0.87
0	8.24E-01	0.90
0	2.56E-01	0.36
22	9.12E-01	0.98
7	3.33E-01	1.21
0	2.66E-01	2.68
1	4.64E-01	0.77
6	5.38E-01	1.13
10	9.40E-01	0.99
1	1.00E+00	1.00
0	8.15E-01	0.71
0	6.33E-01	0.51
0	4.13E-01	0.41
23	8.00E-01	0.96
0	6.55E-01	0.53
6	1.46E-02	0.54
0	6.03E-01	0.64
1514	7.93E-01	1.04
0	4.44E-01	0.49

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.74E-01	1.35
0	9.55E-02	3.84
120	3.79E-02	0.80
136	1.21E-02	0.77
0	9.18E-01	1.18
336	9.24E-02	0.86
140	2.23E-02	0.79
0	2.38E-01	2.98
0	7.68E-01	1.60
0	7.62E-01	1.24
0	8.18E-02	0.22
199	3.76E-01	1.09
0	2.59E-01	2.32
0	7.36E-01	1.42
0	2.74E-01	0.34
0	9.73E-01	0.98
546	6.08E-01	1.05
0	1.10E-01	0.13
0	1.10E-01	0.13
0	3.41E-01	0.31
589	3.34E-01	1.09
29	7.54E-02	0.78
0	5.62E-01	0.59
101	7.75E-01	0.97
1922	2.97E-01	0.21
0	7.30E-01	0.86
0	1.28E-01	0.25
0	8.84E-01	1.17
0	6.61E-01	0.53
0	8.49E-01	0.95
0	2.41E-01	2.73
0	9.49E-01	0.98
359	3.83E-01	1.08
2	2.23E-01	1.42
364	4.25E-01	1.08
0	7.73E-01	1.52
0	1.07E-01	2.36
0	9.72E-01	0.99
1672	9.36E-01	1.01
0	1.30E-01	2.05
0	2.33E-01	0.28
0	8.77E-01	0.84
721	5.25E-01	0.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.65E-01	0.66
0	2.70E-01	2.97
2	4.34E-01	0.78
898	9.64E-02	1.18
0	2.93E-01	0.50
0	3.85E-01	0.32
0	9.37E-01	1.08
0	3.37E-01	0.28
0	2.76E-01	2.12
0	2.21E-01	2.34
0	9.61E-01	1.07
0	7.77E-01	1.24
5	1.11E-01	1.40
4	7.47E-02	1.44
0	4.85E-01	0.44
0	9.91E-01	1.01
0	2.63E-01	3.33
0	1.74E-01	1.93
0	1.40E-01	4.49
1	3.78E-01	1.27
0	6.03E-01	1.48
1037	9.34E-01	1.01
2	4.12E-01	0.80
2	4.69E-01	0.82
0	1.74E-01	2.08
0	7.66E-01	0.87
0	4.82E-01	2.09
1643	5.03E-01	1.12
0	9.02E-01	1.20
0	7.39E-01	1.48
0	4.36E-01	1.59
0	3.86E-01	1.63
0	6.39E-01	0.84
0	4.71E-01	0.56
11	9.03E-01	1.02
0	8.58E-01	1.20
0	2.46E-01	3.18
388	2.08E-01	1.12
0	7.14E-01	1.29
0	2.70E-01	0.19
0	3.17E-01	3.19
0	6.21E-01	0.50
0	6.95E-01	1.42

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.55E-01	1.80
11	4.99E-01	0.88
926	5.59E-01	1.06
366	3.60E-01	1.09
2	6.40E-01	1.11
0	9.27E-01	0.87
0	7.34E-01	1.73
0	3.81E-01	2.60
0	5.06E-01	0.46
0	9.27E-01	0.87
0	8.12E-01	0.86
0	1.58E-01	0.38
0	8.87E-01	0.81
1	3.54E-01	1.71
1	8.19E-01	0.94
0	5.60E-01	0.44
1	7.47E-01	0.92
0	4.98E-01	2.08
1	3.88E-01	0.81
0	1.44E-01	0.13
0	9.89E-01	0.99
0	3.58E-01	1.50
0	1.77E-01	0.20
0	5.19E-01	2.09
1	2.37E-01	1.53
0	9.48E-01	1.05
0	4.95E-01	1.84
2	8.19E-01	1.06
0	7.76E-02	0.36
0	6.17E-01	0.82
2	8.91E-01	1.04
0	6.44E-01	0.83
0	9.74E-01	0.97
387	1.65E-01	0.88
424	9.35E-01	1.01
21	1.74E-01	0.81
0	3.54E-01	0.26
1	4.72E-01	0.72
904	1.35E-01	0.86
523	9.10E-01	1.01
0	3.91E-01	2.12
0	1.82E-01	1.66
1298	2.68E-01	1.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.82E-01	1.02
0	3.02E-01	2.99
0	3.02E-01	2.99
1664	7.38E-01	1.06
0	4.35E-01	1.69
2	8.13E-01	1.04
1234	4.97E-01	1.08
134	3.45E-01	1.10
133	3.16E-01	1.11
1029	7.33E-01	1.03
0	4.85E-01	0.53
472	7.37E-01	0.97
0	5.53E-01	1.39
0	3.41E-01	0.66
0	3.74E-01	0.30
0	5.74E-01	1.19
1771	1.91E-01	0.76
1	1.12E-02	1.95
1777	1.26E-01	0.72
0	2.00E-01	1.52
0	5.69E-01	0.46
0	4.58E-01	2.02
1	5.87E-01	1.17
0	1.15E-01	0.56
1922	1.00E+00	0.97
0	3.57E-01	1.41
0	4.01E-01	0.69
1922	1.00E+00	0.97
0	8.79E-02	0.31
0	9.59E-01	1.04
0	2.96E-01	0.51
0	6.94E-01	1.28
1	6.70E-01	1.42
349	7.42E-01	0.97
385	9.16E-01	1.01
1904	7.08E-01	0.78
1920	3.50E-01	0.17
0	8.90E-01	0.80
0	7.50E-01	1.40
374	8.85E-01	0.99
1920	3.50E-01	0.17
0	9.45E-01	1.07
215	3.86E-01	0.92

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.96E-01	3.53
0	2.39E-01	2.84
0	1.29E-01	0.34
0	1.43E-01	0.17
0	2.75E-01	3.15
0	8.78E-02	2.92
0	5.86E-01	1.74
0	2.56E-01	1.96
0	9.06E-02	0.08
0	2.39E-01	2.06
0	6.88E-01	1.19
0	1.06E-01	6.16
0	4.86E-01	0.38
1	2.91E-01	1.58
0	6.84E-01	0.88
0	1.76E-01	0.21
17	6.91E-01	1.06
0	4.31E-01	2.02
651	3.91E-01	1.08
0	2.60E-01	0.22
0	2.86E-01	0.69
0	1.95E-01	3.27
1148	4.37E-01	1.09
0	6.54E-01	1.30
0	7.38E-01	1.42
0	7.66E-01	1.41
0	7.66E-01	1.41
0	8.65E-01	1.31
0	1.61E-01	2.82
0	6.97E-01	1.29
0	8.39E-01	0.80
595	3.05E-01	1.10
0	6.19E-01	1.51
2	9.98E-01	1.00
1	1.83E-01	0.52
0	8.86E-01	1.15
0	5.40E-01	0.77
1	7.33E-01	0.87
1859	2.32E-01	1.63
641	3.00E-01	1.10
0	6.54E-01	1.68
1	2.87E-01	0.71
602	2.23E-01	0.90

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.28E-01	1.78
1	9.18E-01	0.96
0	7.78E-01	0.67
0	2.88E-01	2.39
0	5.54E-01	1.24
1	8.70E-01	0.95
0	8.56E-01	0.77
1	4.04E-01	0.81
0	7.92E-01	1.29
1439	8.27E-01	0.97
0	4.33E-01	0.34
0	3.35E-01	0.30
0	7.20E-01	0.81
0	8.49E-02	0.09
42	8.78E-01	1.02
0	1.33E-01	0.16
0	3.15E-01	1.61
0	5.23E-01	2.32
0	1.97E-01	0.32
0	5.07E-01	1.98
0	6.08E-01	0.62
0	6.64E-01	1.45
2	1.28E-01	0.57
0	8.54E-01	0.77
0	2.22E-01	0.23
1	9.23E-01	1.03
1921	3.32E-01	0.18
4	4.91E-01	0.86
0	6.84E-01	0.55
0	9.90E-02	3.47
1	6.55E-01	1.18
0	6.27E-01	0.86
4	6.20E-01	0.89
2	2.46E-02	0.54
0	2.93E-02	7.26
0	7.92E-01	1.11
0	7.75E-01	0.77
0	7.16E-01	0.72
0	2.54E-01	2.05
0	8.26E-01	0.82
0	8.75E-01	1.27
0	5.40E-01	0.72
0	9.91E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

77	1.50E-01	0.85
0	7.42E-01	1.14
0	7.54E-01	0.77
0	8.24E-01	0.73
0	1.73E-01	0.13
0	4.71E-01	1.67
0	9.51E-01	1.06
0	3.20E-02	3.03
0	7.91E-01	1.21
0	3.75E-01	0.30
6	2.93E-01	0.83
0	8.45E-01	1.23
163	6.25E-01	1.05
0	5.88E-01	1.74
0	5.89E-01	1.73
0	9.16E-02	4.40
1098	4.33E-01	0.92
0	1.75E-01	0.34
0	4.71E-01	0.68
0	8.17E-01	1.14
0	1.73E-01	3.15
0	2.43E-01	2.50
0	2.54E-01	2.58
299	4.32E-01	1.07
0	5.58E-01	1.82
0	1.13E-01	3.10
0	4.65E-01	0.65
0	8.10E-01	0.87
0	9.84E-01	1.01
0	9.55E-01	0.92
0	9.61E-01	1.03
0	5.90E-01	1.68
0	8.76E-01	0.86
1922	1.00E+00	0.97
0	7.08E-01	0.69
0	4.93E-01	0.37
0	6.32E-01	0.49
0	7.78E-01	0.77
5	2.81E-01	0.81
0	1.26E-01	1.84
30	1.71E-01	0.83
0	3.29E-01	1.91
0	9.40E-01	0.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.19E-01	2.88
0	7.96E-01	1.51
30	1.91E-01	1.18
1519	5.57E-01	1.09
1515	5.07E-01	1.10
2	9.79E-01	0.99
0	3.84E-01	2.37
0	7.89E-01	0.68
533	9.04E-01	0.99
0	1.38E-02	0.19
0	1.46E-01	0.60
0	8.57E-01	1.14
0	3.48E-01	2.32
0	8.17E-01	0.90
1	7.86E-01	0.85
0	8.15E-01	1.18
0	8.45E-01	0.92
2	5.56E-02	1.74
1	7.36E-01	0.86
0	1.19E-02	3.76
0	3.25E-01	1.61
306	4.04E-01	0.92
1	9.93E-01	1.00
64	1.22E-01	0.83
0	4.87E-01	2.05
174	6.68E-01	0.96
420	9.78E-01	1.00
0	9.97E-01	1.00
0	1.19E-01	0.35
0	2.96E-01	4.29
0	7.49E-01	0.83
216	4.92E-01	1.07
2	1.59E-01	1.52
0	5.33E-01	0.66
1	2.73E-01	1.34
0	2.23E-01	2.94
0	4.22E-01	0.47
1	8.29E-01	1.07
851	3.66E-01	1.09
1	4.95E-01	1.32
0	5.51E-01	0.40
0	7.70E-02	5.05
0	5.00E-01	0.50

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.51E-02	5.90
1	5.34E-01	0.74
27	6.75E-01	1.06
1226	7.56E-02	1.23
1227	8.59E-02	1.23
1920	1.66E-01	0.19
677	6.23E-01	0.96
0	8.12E-02	2.56
0	5.94E-02	3.45
0	8.01E-01	1.29
31	2.22E-01	0.84
1743	9.79E-01	1.01
2	8.34E-01	0.95
5	9.65E-01	0.99
0	8.32E-01	0.83
0	1.76E-01	0.15
0	4.07E-01	0.34
0	1.94E-01	1.60
0	3.97E-02	0.04
0	7.75E-01	1.23
0	7.06E-02	0.24
0	6.89E-01	1.11
0	5.87E-01	1.36
0	1.12E-01	6.25
39	5.51E-01	0.93
0	2.01E-01	0.37
1413	7.53E-01	1.04
1	2.98E-01	1.28
0	1.45E-01	3.29
0	3.82E-01	0.72
2	2.17E-01	1.26
0	9.69E-02	0.36
0	9.47E-01	1.02
0	8.83E-01	0.80
12	4.84E-01	0.88
3	2.59E-01	1.26
0	9.60E-01	1.04
0	1.20E-02	0.08
5	2.14E-01	0.80
0	5.80E-01	0.60
0	2.13E-01	0.27
0	5.99E-01	1.38
17	2.79E-01	0.82

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.33E-01	3.26
1096	2.64E-01	1.13
0	8.40E-01	1.38
2	7.58E-01	1.10
1	4.33E-01	0.77
0	5.03E-02	0.08
0	4.65E-01	1.54
0	1.82E-01	2.73
0	2.45E-01	0.33
0	9.90E-01	1.01
0	8.55E-01	1.20
6	6.37E-01	0.90
0	2.63E-01	4.77
38	5.98E-01	0.93
0	3.81E-01	0.33
0	5.31E-01	2.15
0	6.11E-01	1.71
3	6.81E-01	1.12
0	3.12E-01	3.07
0	5.32E-01	0.42
0	2.69E-01	0.25
0	5.64E-01	0.55
8	7.21E-01	0.94
0	8.16E-01	1.27
0	5.94E-02	10.10
0	1.91E-01	2.63
0	9.35E-01	1.06
63	3.45E-01	0.89
2	9.33E-01	0.98
0	7.80E-02	2.69
251	7.74E-01	1.03
252	6.71E-01	1.04
0	3.45E-01	2.41
0	2.91E-01	1.89
0	5.77E-01	1.61
0	6.22E-01	1.53
3	8.09E-01	0.94
804	3.72E-01	0.92
12	9.83E-01	1.00
13	8.20E-01	1.04
0	6.34E-01	1.34
0	2.16E-01	3.90
12	9.04E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

13	9.99E-01	1.00
28	6.60E-01	1.06
346	6.20E-01	1.05
0	5.53E-01	0.53
0	4.76E-01	0.47
15	9.07E-01	0.98
1	5.06E-01	1.29
19	3.88E-01	0.87
0	4.52E-01	0.50
8	5.03E-01	1.15
0	3.10E-01	0.26
16	5.87E-01	0.92
0	5.05E-01	1.54
0	2.08E-01	1.89
0	7.31E-01	0.74
0	5.37E-01	1.77
0	8.14E-01	1.22
0	8.28E-01	0.87
0	5.67E-01	1.50
1	6.71E-01	0.87
3	7.17E-01	1.08
0	9.90E-02	8.18
0	8.34E-01	0.74
15	5.09E-01	0.89
0	2.38E-01	0.18
0	6.86E-01	1.29
0	7.14E-01	0.59
17	3.83E-01	0.86
243	3.85E-01	1.09
0	5.98E-02	9.24
2	6.35E-01	1.14
0	4.79E-02	3.57
0	5.65E-01	0.70
0	3.76E-01	0.73
0	8.03E-01	1.32
524	9.75E-01	1.00
0	7.76E-01	0.77
0	4.58E-02	2.05
0	6.98E-01	0.71
0	5.16E-01	1.57
0	2.72E-01	2.35
0	5.52E-01	0.56
0	8.58E-01	0.77

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.10E-01	0.47
0	3.99E-01	2.25
0	1.31E-01	1.62
1	5.66E-01	0.88
1	8.95E-01	1.05
0	1.88E-01	0.52
0	5.31E-01	0.56
17	5.30E-01	1.10
1	3.94E-01	0.58
0	6.79E-01	1.56
0	8.42E-01	1.26
0	7.43E-01	0.63
0	4.84E-02	12.64
2	5.82E-01	0.85
0	4.98E-01	0.39
2	8.87E-03	2.11
0	6.13E-01	1.21
2	5.47E-01	1.22
9	7.83E-01	1.06
130	9.61E-01	1.00
130	9.61E-01	1.00
0	5.57E-01	1.56
135	8.49E-01	0.98
0	8.88E-01	1.07
0	4.95E-01	0.57
9	2.84E-01	1.20
9	9.97E-02	0.72
0	5.30E-01	1.85
28	3.83E-01	1.12
78	2.37E-01	0.87
0	5.44E-01	1.88
0	1.18E-01	0.29
0	1.02E-01	0.24
0	9.57E-01	1.06
0	4.34E-01	0.35
0	8.36E-01	1.25
1625	5.46E-01	0.91
0	7.99E-02	0.20
1	3.35E-01	0.54
1	3.59E-01	1.51
0	7.57E-01	0.72
0	9.70E-01	0.95
0	8.90E-01	1.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.48E-01	2.10
0	8.58E-01	0.88
0	5.26E-01	0.72
0	8.23E-01	2.64
152	7.19E-01	0.96
0	9.45E-01	0.94
0	6.42E-01	0.77
1	6.63E-01	1.16
0	3.20E-01	0.54
0	9.03E-01	1.08
0	4.82E-01	0.36
23	4.56E-01	1.11
0	2.77E-01	0.27
125	9.36E-02	0.84
26	9.13E-01	0.99
12	8.36E-01	1.03
0	6.74E-01	0.80
17	6.31E-01	0.93
2	4.51E-01	0.75
0	7.82E-01	0.73
0	9.20E-01	1.05
3	2.26E-01	1.40
0	9.81E-01	0.98
364	2.02E-01	0.89
0	1.60E-01	0.70
0	9.32E-01	1.11
0	7.52E-01	0.86
394	7.41E-01	0.97
16	4.81E-01	0.89
0	8.52E-01	0.82
1	6.04E-02	1.59
22	5.75E-01	1.08
0	3.67E-01	0.54
0	3.75E-01	2.79
0	4.30E-01	2.04
0	2.23E-01	2.87
0	5.99E-01	1.75
1	5.99E-02	1.61
0	6.34E-01	1.61
0	1.94E-01	3.80
1	2.88E-02	1.74
157	8.16E-02	0.84
0	3.79E-01	1.32

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	2.81E-02	1.77
0	3.84E-02	3.38
1	9.15E-01	1.09
0	4.05E-01	0.57
0	9.34E-01	1.11
0	5.66E-02	6.47
0	1.17E-01	0.40
0	9.55E-01	0.95
0	7.21E-01	0.76
0	6.65E-01	0.84
1	4.57E-01	1.34
0	1.72E-01	1.47
0	2.22E-01	0.33
0	4.34E-01	0.52
0	2.26E-02	22.23
0	2.85E-01	3.20
0	9.36E-01	1.10
0	1.88E-01	4.49
0	8.91E-01	0.93
90	4.78E-01	1.08
0	2.63E-01	3.69
0	3.38E-01	1.64
48	5.29E-01	1.08
0	3.87E-01	0.27
0	1.67E-01	0.20
0	5.21E-01	1.54
1144	1.15E-01	1.18
1144	1.20E-01	1.18
99	6.65E-01	0.95
0	2.53E-01	0.32
0	8.76E-01	0.89
0	8.76E-01	0.89
0	8.76E-01	0.89
0	9.61E-01	1.08
0	8.47E-01	1.20
0	8.41E-01	1.17
0	4.42E-01	0.35
0	5.53E-01	1.49
0	7.59E-01	1.19
0	7.53E-01	1.31
0	4.92E-01	0.61
0	9.47E-01	0.91
0	2.94E-01	0.43

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.54E-02	4.71
0	8.53E-01	1.28
0	5.85E-01	2.04
0	9.34E-01	0.96
0	3.72E-01	0.27
0	2.53E-01	0.59
0	3.89E-01	2.69
0	9.13E-01	1.04
14	4.42E-01	1.12
0	7.48E-02	4.09
2	1.14E-01	1.58
0	5.45E-02	4.50
0	6.58E-01	1.20
0	7.89E-01	0.67
5	2.72E-01	0.81
0	3.88E-01	0.58
0	2.84E-01	2.32
0	2.91E-01	2.15
0	7.88E-01	0.66
3	2.88E-01	0.74
0	6.11E-01	0.51
0	6.33E-01	0.61
0	7.78E-01	0.77
0	3.75E-01	2.22
0	7.44E-01	0.63
0	1.63E-01	4.66
0	5.76E-01	0.45
0	6.31E-02	3.32
1720	5.62E-01	1.12
33	3.36E-01	0.88
0	4.91E-01	1.86
0	2.39E-01	0.21
0	8.72E-01	0.79
0	1.35E-01	0.40
7	9.47E-01	0.99
0	1.07E-01	0.14
0	6.28E-01	1.17
0	1.50E-01	0.37
1922	1.00E+00	0.97
0	5.80E-01	1.84
0	8.07E-01	1.18
13	6.43E-01	1.08
0	4.73E-01	0.38

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	3.02E-01	1.33
0	4.88E-01	0.54
0	5.19E-01	0.42
0	3.45E-02	0.30
1	1.17E-01	0.58
18	7.90E-01	0.96
0	5.63E-01	0.53
1	3.00E-01	2.24
0	4.91E-01	0.72
298	6.93E-01	1.04
0	2.99E-01	3.02
0	9.56E-01	0.94
0	6.74E-01	1.58
0	1.20E-01	2.23
0	8.16E-02	2.45
0	7.85E-01	1.20
0	7.27E-01	1.45
0	8.26E-01	1.24
0	1.25E-01	6.08
0	6.12E-01	0.71
0	8.44E-01	1.36
0	6.00E-01	0.48
0	3.72E-01	2.87
5	8.23E-01	1.05
0	9.20E-01	0.86
0	4.84E-01	0.60
0	1.05E-01	0.19
0	8.06E-01	0.70
0	4.16E-01	1.78
0	5.32E-01	1.34
0	5.30E-01	0.66
1228	3.57E-01	0.90
2	1.80E-01	0.64
0	7.14E-01	1.53
0	8.53E-01	1.11
0	8.11E-01	0.81
0	3.97E-01	0.68
0	1.39E-01	0.18
1354	2.17E-01	0.86
0	1.53E-01	0.19
0	9.80E-01	1.03
0	9.30E-01	0.88
0	2.71E-01	0.50

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.00E-01	1.21
0	3.17E-01	2.29
0	8.44E-01	1.23
2	1.62E-01	1.49
0	2.41E-01	0.61
30	8.14E-02	0.78
0	6.90E-01	1.34
0	6.13E-01	1.51
0	8.73E-01	0.92
0	4.66E-01	0.46
2	2.00E-02	0.62
0	6.02E-01	1.48
796	5.30E-01	0.94
4	1.53E-01	0.74
0	1.87E-01	4.32
0	3.43E-01	0.40
1	7.77E-01	1.22
1513	7.20E-02	0.78
0	5.29E-01	1.83
0	8.92E-02	4.34
0	5.46E-01	1.78
0	5.62E-01	1.88
1501	1.31E-01	0.81
944	1.41E-01	0.87
7	9.39E-01	1.01
629	8.05E-01	0.98
0	1.23E-01	0.27
0	4.40E-01	1.83
171	5.72E-01	1.06
0	7.54E-01	1.34
0	8.20E-02	0.09
1	3.92E-01	0.48
0	5.57E-02	0.07
0	9.72E-01	0.96
0	8.71E-01	0.85
0	2.68E-01	3.52
1679	5.21E-01	0.89
0	6.07E-01	1.44
0	1.12E-01	0.46
1915	6.01E-01	0.60
0	6.52E-01	1.50
3	7.93E-01	1.05
1922	1.00E+00	0.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.49E-03	3.04
0	1.99E-01	0.30
14	4.19E-01	1.13
0	7.22E-01	1.22
0	9.64E-01	1.06
2	2.03E-01	1.44
0	5.32E-01	0.42
0	8.88E-01	0.87
0	2.21E-01	2.31
0	8.89E-01	1.21
0	3.75E-01	2.49
1	3.36E-01	1.36
0	8.38E-01	0.88
0	7.04E-01	1.27
61	6.20E-01	0.94
0	4.36E-01	1.48
61	5.12E-01	0.92
0	7.62E-01	0.81
1559	6.40E-01	1.07
0	3.97E-01	0.35
0	1.46E-01	0.12
0	5.29E-01	1.80
0	8.57E-01	0.79
14	5.24E-02	1.33
0	7.52E-01	1.21
0	7.71E-01	1.67
3	5.52E-01	0.81
7	2.57E-01	0.82
0	7.92E-01	0.64
0	2.92E-01	2.67
0	9.19E-01	0.95
1	4.99E-01	0.75
0	3.24E-01	1.64
0	6.68E-01	0.59
948	7.62E-01	1.03
3	5.86E-01	0.87
0	6.89E-01	0.57
0	2.93E-01	3.13
10	3.79E-01	1.16
0	1.74E-01	0.45
0	1.77E-01	0.54
0	1.71E-02	19.86
4	3.27E-01	1.20

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

935	9.25E-01	1.01
878	5.31E-01	1.06
72	8.57E-01	0.98
0	7.71E-01	1.64
6	1.70E-01	0.76
6	4.43E-01	1.17
0	4.44E-02	0.51
29	5.64E-01	0.92
2	8.13E-01	1.06
342	4.29E-01	0.93
53	2.06E-01	0.85
192	6.43E-01	0.96
3	4.72E-01	0.84
0	9.46E-01	0.94
0	8.80E-01	0.79
196	4.28E-01	0.93
158	1.30E-01	0.86
1	5.80E-01	0.59
0	1.86E-01	3.73
0	5.17E-01	1.71
0	5.11E-01	1.54
3	6.47E-02	0.63
1317	8.09E-01	1.03
0	1.17E-01	0.34
0	3.16E-02	2.38
0	6.53E-01	1.24
0	1.19E-01	2.47
80	1.56E-01	1.17
0	6.84E-01	1.31
1303	8.89E-01	1.02
0	5.11E-01	1.54
0	8.14E-01	0.70
0	6.29E-02	0.38
1881	6.90E-01	0.86
0	6.05E-01	1.75
0	2.88E-01	0.63
0	7.08E-01	1.29
73	1.97E-01	1.16
2	7.18E-01	1.15
1421	2.86E-01	0.88
1448	9.65E-01	1.01
1	5.90E-01	0.87
0	5.88E-01	0.67

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

443	4.99E-01	1.06
0	7.21E-01	0.73
0	8.28E-01	1.25
0	3.86E-01	2.86
0	7.47E-01	1.38
0	9.59E-01	1.06
107	3.71E-01	1.10
0	7.14E-01	1.24
0	2.64E-01	2.65
3	3.74E-01	0.80
0	7.64E-01	1.23
1125	7.75E-01	1.03
1906	5.06E-01	1.64
1918	1.63E-01	7.64
0	7.41E-01	0.72
0	1.27E-01	0.13
0	8.69E-02	4.03
0	2.63E-01	0.55
0	2.90E-01	2.38
9	9.69E-01	0.99
0	7.62E-01	0.82
1921	3.87E-01	3.71
0	4.25E-01	2.61
0	2.28E-01	3.56
6	9.37E-01	1.02
6	9.43E-01	1.02
9	9.04E-01	0.98
0	9.55E-01	0.93
0	8.74E-01	1.10
4	7.64E-01	0.94
688	7.92E-01	1.02
738	8.81E-01	1.01
948	1.64E-01	1.15
0	9.57E-01	1.08
1	5.66E-01	0.85
0	1.60E-01	0.13
1916	3.71E-02	0.18
18	6.44E-01	1.08
0	5.96E-01	0.72
0	8.68E-01	1.07
0	1.59E-01	0.17
0	6.80E-01	1.22
22	4.93E-02	1.29

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.66E-01	1.35
0	1.75E-01	2.55
703	7.17E-01	0.97
0	3.03E-01	1.90
1284	8.76E-01	0.98
0	6.31E-02	4.03
6	7.20E-01	0.91
1912	7.77E-01	1.28
6	1.27E-01	1.33
50	2.72E-02	0.75
63	6.43E-01	0.95
0	7.04E-01	0.76
0	7.76E-01	1.16
0	9.54E-01	1.03
0	1.51E-01	3.18
0	9.82E-01	1.01
0	5.84E-01	1.61
0	4.48E-01	0.46
48	4.28E-01	1.10
0	9.18E-01	1.12
0	1.06E-01	0.09
1	8.64E-01	1.07
0	3.22E-01	0.62
0	6.13E-01	0.74
6	7.35E-02	0.66
0	7.23E-01	1.15
8	2.00E-02	1.50
2	1.02E-01	1.64
0	3.91E-01	0.30
886	4.79E-02	0.83
0	2.43E-01	3.76
0	8.02E-01	0.88
17	6.66E-01	1.06
2	5.24E-02	2.17
1	5.78E-01	0.85
110	6.35E-01	1.05
1	9.64E-01	1.01
1	3.03E-02	0.19
8	9.76E-01	1.01
0	8.20E-01	1.29
0	7.25E-01	1.31
65	6.27E-01	1.06
0	8.75E-01	0.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.02E-01	0.66
1918	2.77E-01	0.36
0	2.79E-01	0.19
18	9.68E-01	1.01
0	2.85E-01	0.69
0	4.60E-01	0.35
0	8.72E-01	0.80
0	3.86E-01	1.89
11	1.94E-01	0.80
0	7.26E-01	1.43
2	2.41E-01	0.70
0	1.72E-01	0.48
16	6.71E-01	1.06
2	2.20E-04	0.38
0	9.79E-01	1.03
0	9.17E-02	0.12
1921	3.13E-01	0.14
66	4.72E-01	1.09
0	8.53E-01	0.84
0	9.40E-01	0.86
1	2.48E-01	1.84
0	6.79E-01	0.84
0	4.18E-01	0.57
870	9.53E-01	1.01
818	7.59E-01	1.03
0	6.01E-01	0.48
393	3.34E-01	1.09
0	7.33E-01	1.62
0	4.80E-01	1.59
152	4.38E-01	1.08
0	7.80E-01	0.67
149	1.08E-01	1.18
7	4.53E-01	1.15
0	5.09E-02	7.59
722	1.39E-01	1.15
1	7.81E-01	0.92
0	4.98E-01	0.41
0	9.32E-01	0.92
0	2.80E-01	2.60
0	3.03E-01	2.23
51	6.61E-01	1.05
0	9.03E-02	5.34
14	3.30E-01	1.18

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

38	1.08E-01	1.23
1	3.68E-01	0.68
0	2.40E-01	0.23
0	3.73E-01	0.41
33	8.67E-01	0.98
33	8.04E-01	0.97
24	3.44E-01	0.87
10	4.41E-01	1.15
0	6.88E-01	0.84
0	7.33E-01	1.34
0	5.13E-01	1.57
3	5.71E-01	1.14
541	4.04E-01	0.93
0	5.74E-01	0.66
894	8.49E-01	1.02
1603	8.40E-01	0.97
0	2.38E-01	0.36
1	3.03E-01	0.71
19	7.17E-01	1.06
21	6.60E-01	1.07
0	5.68E-01	0.45
0	8.13E-01	0.84
0	8.78E-02	3.83
0	5.59E-01	1.37
0	1.12E-01	3.96
215	5.00E-01	1.06
38	1.13E-01	1.22
0	5.61E-01	1.28
0	6.43E-01	1.80
69	2.56E-01	1.14
0	8.97E-01	0.87
0	2.95E-01	2.75
0	3.22E-01	2.34
0	7.57E-01	1.11
0	2.97E-01	3.23
198	8.97E-01	1.01
0	6.83E-01	0.87
0	9.55E-01	0.94
5	1.06E-02	1.65
65	1.86E-01	1.16
0	5.19E-01	3.04
0	6.92E-01	0.69
0	5.55E-02	7.23

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.37E-03	19.88
0	2.02E-01	3.44
0	9.06E-01	0.92
0	1.76E-01	2.50
0	5.08E-01	1.24
0	6.70E-01	1.81
0	6.78E-02	2.98
130	6.15E-01	0.95
0	2.03E-01	1.92
0	6.26E-01	1.63
0	3.00E-01	1.86
0	8.06E-01	0.70
158	7.60E-01	1.03
0	9.66E-01	1.07
0	7.02E-01	1.16
0	5.24E-01	0.70
0	4.00E-02	0.10
0	4.76E-01	2.09
0	9.63E-01	1.04
1	7.00E-01	0.87
0	7.18E-01	0.81
0	8.57E-01	1.16
3	6.05E-01	1.13
1	2.76E-01	1.36
0	6.45E-01	0.64
0	6.70E-01	0.55
343	3.36E-01	1.09
564	9.86E-02	1.16
884	1.74E-02	1.27
880	2.91E-02	1.24
0	2.44E-01	2.26
25	2.50E-01	1.19
561	1.25E-01	1.15
0	5.43E-01	0.74
348	3.56E-01	1.09
1	5.89E-01	1.26
625	1.18E-01	1.16
0	7.69E-01	0.87
0	9.20E-01	0.95
0	3.35E-01	0.59
0	9.18E-01	0.93
0	8.51E-01	1.08
0	8.08E-01	0.87

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.68E-01	1.68
0	9.18E-01	0.91
0	6.48E-01	1.75
0	4.85E-01	0.51
0	9.42E-01	1.10
39	7.08E-01	1.05
0	4.04E-02	0.19
0	1.90E-01	0.31
39	7.28E-01	1.04
0	6.72E-01	0.69
0	1.86E-01	1.61
0	6.92E-01	1.38
0	6.92E-01	1.31
0	6.75E-01	0.70
1	5.79E-01	1.19
0	7.80E-01	1.55
1416	4.62E-01	0.91
1	4.97E-01	1.42
5	5.79E-01	1.13
0	5.96E-01	0.48
0	4.97E-01	1.82
0	7.34E-01	1.16
5	6.61E-01	1.09
0	6.56E-01	0.67
0	9.94E-02	0.27
0	7.78E-01	1.07
0	4.97E-01	1.82
0	3.59E-01	0.30
889	6.89E-01	0.96
0	4.61E-01	0.61
0	6.25E-01	1.20
1752	3.91E-01	0.83
888	6.31E-01	0.95
1	9.54E-01	0.97
223	4.47E-01	1.07
0	9.37E-01	0.92
1	8.31E-01	1.11
1	8.25E-01	1.11
0	9.60E-01	1.06
0	5.96E-01	1.27
0	9.98E-01	1.00
0	1.87E-01	0.13
0	4.72E-01	0.36

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.82E-01	0.75
0	1.16E-01	2.69
1	3.45E-01	0.74
12	2.24E-01	0.80
0	8.81E-01	0.89
0	2.15E-01	3.79
0	6.81E-01	0.62
0	6.21E-01	0.71
0	7.94E-01	1.45
0	6.24E-01	0.77
4	7.11E-01	1.07
0	7.68E-01	1.35
26	8.46E-01	0.97
49	3.07E-01	0.88
15	1.29E-01	1.27
27	8.52E-01	0.97
0	5.38E-02	2.81
10	3.24E-02	0.69
1850	2.65E-01	1.46
0	2.31E-01	0.32
119	3.64E-01	1.10
0	5.02E-01	1.96
333	3.93E-01	0.92
330	2.95E-01	1.10
3	8.03E-02	1.51
0	2.29E-02	7.05
0	3.79E-01	2.27
169	4.68E-01	0.93
0	3.37E-01	0.50
53	1.44E-01	1.19
0	6.33E-01	0.63
0	5.25E-01	0.71
87	3.65E-01	0.90
0	9.37E-02	0.31
5	6.02E-02	1.40
0	9.62E-01	0.96
0	8.05E-01	1.27
1	2.50E-01	1.42
0	8.61E-01	1.18
11	1.12E-01	0.76
0	1.33E-01	0.16
0	8.64E-01	1.19
22	4.29E-01	1.13

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

11	1.20E-01	0.76
0	7.83E-01	1.16
1	2.23E-01	0.58
0	5.53E-01	0.77
4	6.13E-01	1.11
459	5.27E-01	1.06
0	8.28E-01	1.41
1922	1.00E+00	0.97
22	3.92E-01	0.88
0	4.14E-01	1.48
1920	6.00E-01	0.18
0	9.64E-01	0.96
0	2.25E-01	2.98
0	9.31E-01	0.92
0	4.69E-01	3.57
0	6.91E-01	1.42
0	1.25E-01	2.44
1	1.24E-01	1.74
20	5.89E-01	0.92
12	1.26E-01	0.75
0	7.46E-02	0.06
0	2.17E-01	1.91
0	7.72E-01	1.22
0	4.76E-01	2.27
15	3.01E-01	1.17
0	1.70E-01	2.25
439	1.32E-01	0.87
0	9.60E-01	1.04
0	8.73E-01	1.12
0	3.70E-01	2.20
0	7.32E-01	0.69
0	4.69E-01	1.50
1385	4.11E-01	1.11
0	1.40E-02	10.18
0	7.96E-02	0.48
0	3.59E-01	1.65
79	2.45E-01	0.87
0	3.54E-01	0.47
0	2.98E-01	3.38
1	4.26E-01	0.81
0	9.91E-01	1.01
0	7.18E-01	1.35
564	5.08E-02	0.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.95E-01	0.33
30	7.21E-01	0.95
110	6.49E-02	1.21
0	2.28E-01	3.36
0	9.62E-02	0.24
0	7.56E-01	0.82
835	5.03E-01	1.06
3	8.77E-01	0.97
3	5.31E-01	0.87
0	1.59E-01	0.31
82	6.93E-01	0.96
82	3.50E-01	0.90
9	7.10E-01	1.08
0	6.52E-01	0.63
0	5.83E-01	0.48
0	6.19E-01	0.85
0	1.67E-01	5.16
22	5.35E-01	1.09
0	3.01E-01	1.63
0	8.91E-01	0.93
0	1.43E-01	5.68
0	8.78E-02	3.36
0	1.08E-01	4.90
0	4.49E-01	0.64
0	5.22E-01	1.72
0	7.23E-01	1.49
1917	7.40E-01	0.56
0	4.39E-01	0.66
0	4.12E-02	8.90
0	3.89E-01	1.78
0	3.84E-01	0.70
0	3.22E-01	2.08
40	1.23E-01	1.22
0	6.75E-01	1.29
36	6.01E-02	1.28
0	7.60E-01	0.81
0	7.36E-01	1.40
0	4.92E-01	1.57
0	5.73E-01	1.25
0	1.14E-01	2.13
0	4.85E-01	1.46
0	8.94E-01	0.90
0	6.11E-01	0.70

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.02E-02	5.57
0	8.93E-01	1.09
0	4.02E-01	0.66
0	4.69E-01	0.39
0	7.37E-01	0.71
0	5.82E-02	4.99
15	4.51E-01	1.13
0	8.77E-01	1.09
0	5.20E-01	0.77
0	3.00E-01	0.26
264	7.56E-01	1.03
17	2.33E-01	1.18
17	2.20E-01	1.19
8	5.79E-01	1.10
10	4.86E-01	1.12
26	6.56E-01	1.06
1922	1.00E+00	0.97
0	9.38E-01	1.08
0	1.63E-01	0.48
11	8.05E-02	0.72
0	4.57E-01	2.08
477	5.09E-01	1.06
0	6.48E-01	0.71
310	4.60E-01	1.07
0	5.28E-01	0.52
94	8.99E-01	0.99
0	6.90E-01	0.70
163	7.40E-01	1.03
166	7.53E-01	1.03
0	7.29E-01	1.24
0	6.69E-01	0.66
0	8.37E-01	0.92
2	7.66E-01	1.07
0	1.72E-01	0.54
0	2.95E-01	0.65
3	6.31E-01	1.11
43	9.05E-01	1.02
43	8.95E-01	1.02
0	2.86E-01	0.38
0	6.06E-01	1.81
43	9.25E-01	1.01
37	3.86E-01	1.12
1919	4.95E-01	0.30

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

38	5.16E-01	1.09
0	1.99E-01	3.76
38	8.52E-01	1.03
38	9.21E-01	1.01
394	4.95E-01	0.94
0	5.22E-02	3.24
90	7.55E-01	0.97
0	4.62E-01	2.24
12	8.77E-01	0.98
91	7.50E-01	0.97
0	4.71E-01	0.49
0	1.51E-01	4.06
0	4.58E-01	2.61
0	6.02E-01	0.64
0	9.07E-01	1.10
54	4.51E-01	0.91
0	7.78E-01	1.57
0	5.17E-01	0.75
111	2.79E-01	1.12
111	2.74E-01	1.12
0	5.04E-01	1.87
0	3.88E-01	1.69
4	8.16E-01	1.04
3	7.18E-01	1.13
0	7.01E-01	1.23
1920	7.69E-01	0.60
1	5.36E-01	0.76
0	1.75E-01	4.70
0	7.01E-01	0.58
0	6.94E-01	0.74
451	3.60E-01	1.09
0	3.71E-01	1.94
0	4.73E-01	0.54
0	9.41E-01	1.05
68	3.97E-01	1.10
5	6.03E-01	0.89
0	5.99E-01	1.89
0	5.22E-01	1.75
0	9.99E-01	1.00
0	7.13E-01	1.34
365	7.65E-01	1.03
1	7.47E-01	1.20
0	1.03E-01	4.20

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.07E-01	1.84
3	2.99E-02	1.56
0	3.00E-01	0.36
0	3.86E-01	0.57
0	5.81E-01	1.81
0	4.97E-01	0.41
0	8.80E-01	1.11
83	9.21E-01	1.01
0	1.76E-01	1.42
24	1.57E-01	1.20
0	7.18E-02	0.27
134	2.13E-01	0.88
733	5.68E-01	1.05
1	8.38E-01	0.92
19	5.16E-01	0.91
0	9.50E-01	0.94
0	7.15E-01	1.14
0	2.79E-01	0.41
0	5.58E-01	0.77
1043	7.12E-01	0.96
1427	7.40E-02	0.80
0	9.51E-01	0.94
0	2.27E-01	0.18
0	5.44E-01	1.76
0	8.89E-02	1.90
123	2.29E-01	0.88
5	8.17E-01	0.95
0	9.24E-01	0.91
484	6.93E-02	1.18
0	2.96E-01	2.35
1	9.71E-01	0.99
0	7.14E-01	0.82
0	9.34E-02	0.25
0	5.41E-01	0.56
0	7.41E-01	0.79
0	5.41E-01	0.56
0	2.45E-01	3.48
19	5.30E-01	1.10
0	3.35E-01	0.31
0	5.61E-01	0.73
0	8.92E-01	0.91
0	1.48E-01	2.36
0	1.45E-01	0.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.71E-01	3.68
0	6.46E-01	1.79
0	2.71E-01	0.39
0	8.18E-01	1.61
0	8.69E-01	0.81
49	2.50E-01	1.15
0	4.84E-01	1.99
27	4.89E-01	0.91
0	9.32E-01	1.10
0	6.48E-01	0.53
1035	3.32E-01	0.91
0	1.25E-01	3.64
360	5.51E-01	0.95
0	3.55E-01	2.68
461	4.97E-01	0.94
0	1.59E-01	1.92
4	7.18E-01	1.09
0	8.23E-01	0.78
6	1.88E-01	1.31
0	3.64E-01	2.79
1	2.29E-01	0.71
4	4.85E-01	0.83
1	2.29E-01	0.71
1215	1.89E-01	0.87
0	4.88E-01	1.68
0	7.66E-01	1.61
0	9.65E-01	0.97
273	4.31E-01	0.93
0	2.66E-01	2.49
1	5.27E-01	1.17
0	1.18E-02	5.64
0	3.52E-01	0.44
7	9.66E-01	1.01
0	4.52E-01	2.38
0	3.65E-01	1.35
478	6.98E-01	0.97
428	8.85E-01	1.01
426	8.69E-01	1.01
561	4.45E-01	1.07
1	5.50E-01	1.16
0	9.08E-01	1.17
419	7.79E-01	1.03
0	7.46E-01	1.50

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

3	6.04E-01	1.12
13	9.60E-01	0.99
0	5.38E-01	0.56
0	4.08E-01	1.49
0	8.07E-01	1.26
0	9.28E-01	0.93
0	7.89E-01	1.55
0	4.89E-01	0.59
0	6.22E-01	1.22
48	8.37E-01	0.97
16	8.27E-01	0.96
0	1.84E-01	0.16
0	1.88E-02	6.73
0	2.39E-01	1.71
15	7.06E-01	0.94
6	6.25E-01	0.89
1337	2.53E-01	1.15
0	1.88E-01	0.16
0	1.31E-01	2.56
0	6.33E-01	1.66
788	2.96E-01	0.91
0	2.09E-01	1.53
82	2.81E-01	1.12
1	4.23E-01	0.49
0	9.98E-01	1.00
0	3.63E-01	2.49
0	9.02E-01	0.87
0	1.57E-01	0.56
0	7.67E-01	0.64
433	2.07E-01	0.89
0	7.09E-01	1.18
1361	7.26E-01	1.04
0	8.02E-01	1.27
0	5.96E-01	1.20
2	6.61E-02	0.56
1922	1.00E+00	0.97
0	8.20E-01	0.72
1	6.71E-01	0.77
0	6.46E-01	1.38
241	1.52E-01	0.87
1599	1.75E-02	1.52
0	8.94E-01	1.24
84	7.12E-01	0.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.31E-02	4.70
0	3.27E-01	0.25
0	2.34E-01	4.30
0	5.69E-01	1.58
0	8.39E-03	6.85
0	1.40E-01	0.23
0	5.86E-02	5.01
96	9.67E-02	1.19
0	6.77E-01	0.53
0	3.19E-01	3.15
0	5.62E-01	0.41
805	5.04E-01	0.94
5	9.20E-01	1.02
0	5.91E-01	1.28
0	7.57E-01	1.38
0	5.79E-01	1.75
0	6.98E-01	1.28
0	4.48E-01	1.56
0	3.14E-02	2.39
0	4.74E-01	1.70
11	5.38E-01	1.10
0	1.54E-01	3.95
5	4.01E-01	1.21
0	9.56E-01	1.06
0	2.76E-01	0.25
599	7.18E-01	0.97
0	4.09E-01	2.01
0	4.47E-01	0.46
0	2.87E-01	2.10
1	9.97E-01	1.00
39	1.56E-01	1.20
0	1.77E-01	0.14
0	7.54E-01	1.20
0	9.42E-01	0.92
3	5.01E-01	1.16
0	9.36E-01	1.06
0	1.33E-01	1.89
1442	6.29E-02	1.29
1	8.44E-01	1.16
140	8.79E-01	1.02
0	7.20E-01	0.73
46	1.98E-01	0.85
46	2.18E-01	0.86

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

9	1.83E-01	1.26
0	4.63E-01	2.01
0	1.26E-01	3.96
1554	4.68E-01	0.90
38	4.39E-02	1.30
0	7.01E-01	0.70
0	2.64E-01	0.30
1	5.05E-01	0.84
0	1.30E-01	0.44
345	2.90E-01	0.91
1091	4.54E-01	0.92
0	6.87E-01	0.55
1568	5.65E-02	0.76
0	4.17E-01	0.63
1494	2.06E-01	0.84
2	1.66E-01	0.68
0	1.55E-02	0.05
0	8.48E-01	1.09
0	3.05E-01	1.69
54	9.08E-01	1.01
143	2.32E-01	1.13
0	6.74E-01	0.56
0	3.49E-01	2.69
0	8.24E-01	0.81
0	3.21E-01	1.79
0	1.28E-01	0.17
0	8.34E-01	1.20
0	4.67E-01	1.88
2	5.66E-01	1.16
0	5.24E-01	1.39
0	2.35E-01	2.50
1247	9.49E-01	1.01
1168	9.72E-01	1.00
1558	1.15E-01	0.79
350	5.30E-02	0.84
1	8.36E-01	0.94
82	3.52E-01	1.11
56	5.13E-01	0.92
0	8.50E-01	0.91
464	1.80E-01	0.89
129	6.76E-01	0.96
1	1.27E-01	1.45
131	5.63E-01	0.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

130	5.72E-01	0.94
0	9.00E-01	1.18
0	7.69E-01	1.16
3	7.18E-01	0.92
0	7.42E-01	1.47
0	2.92E-01	2.42
0	9.16E-01	1.19
0	6.47E-01	1.30
0	3.88E-01	0.31
0	5.70E-01	2.11
0	1.60E-02	4.67
2	4.95E-01	1.32
0	5.11E-01	0.56
2	6.84E-01	1.18
0	6.58E-01	0.56
0	8.65E-01	0.89
0	2.32E-01	1.88
0	9.38E-01	1.13
0	6.73E-01	1.38
0	1.96E-01	0.27
0	6.79E-01	1.52
0	5.91E-01	1.80
0	5.64E-02	1.84
0	1.49E-02	3.86
0	7.20E-02	4.65
16	7.25E-01	1.06
1	8.46E-01	0.93
0	6.72E-01	1.62
17	3.22E-01	1.18
0	1.21E-01	4.53
16	3.17E-01	1.18
0	4.89E-01	2.13
0	8.67E-01	1.20
0	5.01E-03	6.47
17	3.16E-01	1.18
0	4.01E-01	1.69
0	3.57E-01	0.30
0	1.49E-02	3.86
0	7.77E-03	6.55
0	7.67E-01	1.10
0	1.49E-02	3.86
0	7.28E-01	0.74
0	1.49E-02	3.86

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.34E-01	0.34
0	1.98E-01	0.35
0	4.96E-01	2.11
0	4.30E-01	1.55
0	6.46E-01	1.71
0	5.01E-03	6.47
0	8.25E-01	0.82
0	9.70E-01	1.04
0	6.75E-01	1.54
0	6.42E-01	0.51
46	4.59E-01	1.09
47	4.92E-01	1.09
0	2.76E-01	4.75
0	8.85E-01	0.87
1	7.12E-01	0.90
0	2.76E-01	2.10
0	9.85E-01	0.98
0	1.14E-02	12.50
0	9.45E-01	1.07
0	4.48E-02	12.55
0	1.11E-01	0.13
0	4.94E-01	0.39
0	9.22E-01	1.16
0	4.19E-01	1.93
0	8.40E-01	1.10
1119	8.79E-01	1.02
0	4.43E-01	2.27
0	9.46E-01	1.08
0	7.17E-01	1.49
0	3.61E-01	0.55
0	7.48E-01	0.77
0	7.62E-01	1.11
0	7.85E-01	1.23
3	2.68E-01	0.79
0	7.10E-01	0.85
330	4.26E-01	1.08
0	1.93E-02	0.05
0	8.88E-01	1.16
338	4.53E-01	1.07
4	6.90E-01	0.91
0	7.51E-01	1.23
0	2.48E-01	3.46
0	9.96E-01	0.99

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	5.02E-01	1.28
0	5.87E-01	1.36
0	9.36E-01	1.13
0	3.29E-01	1.37
0	5.97E-01	0.53
0	3.79E-01	2.15
2	5.41E-01	0.79
1535	9.51E-01	0.99
0	1.11E-01	0.27
0	4.21E-01	0.33
0	1.86E-01	1.66
0	4.26E-01	1.32
0	6.92E-01	1.50
48	9.08E-01	0.99
1	9.50E-01	1.09
0	6.06E-01	0.51
0	1.04E-01	2.95
1	7.28E-01	1.17
0	2.72E-01	0.32
8	7.28E-01	1.06
1	6.46E-01	1.12
365	5.02E-01	0.94
0	4.09E-01	0.63
0	1.93E-01	0.53
0	7.11E-01	1.26
330	4.03E-01	1.08
0	4.45E-01	2.35
10	4.30E-01	0.87
2	5.81E-01	0.85
1	6.12E-01	1.14
0	8.27E-01	0.84
123	4.31E-01	1.08
49	8.03E-01	1.03
9	4.52E-01	0.87
0	2.93E-01	2.27
0	8.61E-01	1.18
5	3.25E-01	0.80
0	9.61E-01	1.05
0	8.01E-01	1.14
0	1.37E-01	3.89
420	5.70E-01	0.95
91	6.42E-01	1.05
91	5.99E-01	1.06

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	7.57E-01	0.92
6	3.90E-01	1.18
4	9.47E-01	0.98
10	8.73E-01	1.03
0	2.21E-01	2.95
6	4.37E-01	0.84
84	9.78E-01	1.00
1	9.42E-01	0.97
82	9.16E-01	1.01
0	3.86E-01	2.89
0	4.23E-01	1.28
0	1.55E-01	3.13
0	3.76E-01	2.05
0	9.34E-01	1.09
156	3.58E-01	1.10
37	2.76E-01	0.86
1	3.15E-02	0.50
0	6.74E-01	1.48
0	3.79E-01	0.44
0	5.01E-01	0.42
751	6.14E-01	1.05
14	5.41E-01	1.11
0	2.68E-01	3.29
126	7.94E-01	1.03
0	5.18E-01	2.21
1	7.25E-01	1.10
0	7.42E-01	0.61
0	5.72E-01	0.46
0	9.15E-01	1.06
0	2.45E-01	0.20
0	7.86E-01	1.83
0	5.33E-01	1.57
0	1.08E-01	2.70
346	6.47E-01	1.04
0	8.55E-01	1.14
0	1.65E-01	3.27
0	6.70E-01	0.63
989	5.76E-01	1.06
0	8.22E-01	0.72
63	7.54E-01	0.96
9	6.68E-01	1.08
0	8.61E-01	0.77
0	7.54E-01	0.80

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.58E-01	0.68
0	3.27E-01	0.36
88	5.26E-01	0.93
2	6.21E-01	1.15
0	5.49E-01	0.44
244	8.82E-02	0.85
0	7.42E-02	0.19
0	2.36E-01	0.43
8	6.65E-01	1.09
0	6.57E-01	0.75
0	3.26E-01	2.59
0	7.17E-01	1.08
37	4.32E-01	0.90
2	1.22E-01	0.70
0	3.70E-01	1.88
0	7.24E-01	0.67
0	7.91E-01	0.67
0	2.29E-02	0.07
21	3.10E-01	1.15
171	8.09E-01	0.98
58	2.81E-02	0.76
107	7.72E-02	0.83
0	9.34E-01	1.11
0	6.78E-01	1.22
1072	3.02E-01	0.90
2	1.02E-01	0.33
0	5.32E-01	1.33
0	9.85E-01	0.98
0	8.47E-01	0.78
0	2.29E-01	2.56
0	8.89E-01	0.82
0	7.47E-01	0.62
0	9.94E-01	0.99
0	4.99E-01	2.11
3	6.95E-02	0.62
0	1.08E-01	3.82
89	6.15E-01	0.95
0	6.04E-01	1.41
84	3.33E-01	1.11
84	4.18E-01	1.09
0	8.20E-01	0.88
0	7.80E-01	0.82
954	8.28E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

112	8.24E-01	0.98
0	3.90E-01	1.55
90	6.51E-01	1.05
1	1.36E-01	2.08
0	1.11E-01	2.59
0	4.60E-01	0.45
2	9.76E-01	0.99
1	2.72E-01	2.08
0	6.74E-01	1.51
0	4.02E-01	0.31
0	6.12E-01	0.75
0	6.17E-01	0.74
0	1.69E-01	0.26
1	6.66E-01	1.17
108	4.43E-01	0.92
1	4.24E-01	1.33
0	6.28E-01	0.64
0	7.58E-01	0.64
0	5.56E-01	0.55
1	1.99E-01	2.06
0	4.08E-01	2.15
0	1.15E-01	0.12
0	8.34E-02	5.15
990	9.07E-01	0.99
3	1.87E-01	0.59
924	2.45E-01	0.89
18	4.45E-01	1.12
0	4.15E-01	2.47
0	3.76E-01	1.58
0	5.58E-01	0.60
0	3.75E-01	2.34
0	6.32E-01	2.96
0	8.72E-01	0.90
0	8.23E-01	0.80
0	9.08E-02	2.71
6	9.73E-01	1.01
0	1.30E-02	11.42
1	7.07E-01	1.21
0	3.88E-01	1.32
0	9.03E-03	14.42
4	8.81E-01	0.97
0	2.12E-01	0.45
0	8.56E-01	0.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.52E-01	1.15
0	3.44E-02	2.12
0	2.29E-01	0.64
0	4.31E-01	1.51
108	6.82E-01	0.96
0	2.79E-01	2.28
1921	2.50E-01	0.09
0	9.50E-01	1.05
0	2.85E-01	3.09
0	6.19E-01	1.65
0	4.86E-01	1.87
15	9.69E-02	1.27
1127	3.72E-01	0.91
3	7.77E-01	1.06
0	5.90E-01	2.97
252	8.96E-01	1.01
0	7.60E-01	0.85
0	2.31E-01	2.38
0	2.64E-01	2.39
22	3.96E-01	1.13
0	6.29E-01	1.70
543	8.66E-01	0.98
1062	8.79E-01	0.98
0	8.61E-01	1.14
56	1.82E-01	0.85
0	6.90E-01	1.35
0	9.04E-01	0.92
409	2.42E-01	0.90
188	1.46E-01	0.86
226	6.67E-02	0.83
0	5.51E-01	0.44
0	4.85E-01	1.54
48	5.43E-01	0.93
30	3.70E-01	1.14
20	9.30E-02	0.77
0	1.49E-01	4.58
30	3.15E-01	1.15
0	2.59E-01	0.30
1	9.77E-01	1.01
0	5.53E-01	0.67
0	6.12E-01	0.61
0	8.85E-01	0.81
44	4.21E-01	1.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	6.55E-01	0.84
0	3.06E-02	4.65
28	4.15E-01	0.89
0	1.47E-01	4.80
4	5.48E-01	1.12
630	5.36E-01	0.94
264	9.93E-01	1.00
0	5.02E-01	0.40
179	6.76E-01	0.96
0	1.84E-01	0.29
6	1.25E-01	1.32
0	4.25E-01	1.62
6	5.46E-01	1.13
2	8.06E-01	1.07
0	3.90E-01	0.30
1920	9.13E-01	0.84
2	8.16E-03	0.43
46	3.18E-01	0.88
0	3.31E-02	0.17
0	7.58E-01	1.36
2	1.17E-02	0.45
0	3.31E-02	0.17
3	9.06E-01	1.02
0	5.92E-01	0.45
0	3.45E-01	1.34
24	3.29E-02	1.31
3	4.79E-01	1.18
0	1.18E-01	3.20
1	8.14E-01	1.12
0	8.12E-01	0.74
1922	1.00E+00	0.97
0	4.62E-01	1.48
0	4.78E-01	0.40
0	1.91E-01	3.22
0	6.98E-01	0.83
0	4.34E-01	1.54
0	2.93E-01	1.44
1	5.85E-01	1.20
0	8.83E-01	0.86
0	9.99E-01	1.00
0	4.08E-01	2.99
76	1.88E-01	0.86
0	9.09E-01	0.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

189	8.99E-01	0.99
0	9.61E-01	0.96
0	9.81E-01	1.03
0	6.17E-01	0.53
1	1.53E-01	0.62
11	3.11E-02	0.66
0	8.27E-01	0.84
0	5.43E-01	1.61
11	3.86E-01	0.85
4	6.49E-01	0.88
0	2.87E-01	2.30
0	6.49E-01	1.29
0	1.37E-02	0.17
645	1.31E-01	0.87
0	5.96E-01	1.57
0	2.39E-01	2.99
0	7.57E-01	0.80
1	7.03E-02	0.42
0	6.27E-01	0.51
369	8.16E-01	0.98
3	8.17E-01	1.05
0	1.49E-01	1.88
0	5.59E-01	1.52
1843	5.35E-01	1.23
0	2.50E-02	0.17
0	2.36E-01	3.01
0	9.28E-01	0.89
162	5.65E-01	1.06
0	1.07E-01	7.33
0	1.68E-01	4.93
0	8.14E-01	1.25
0	2.98E-01	0.56
293	8.25E-01	1.02
12	5.13E-02	0.70
1	4.18E-01	0.80
0	4.41E-01	0.62
0	1.25E-02	0.13
102	1.98E-01	1.15
1	7.22E-01	1.31
1	4.67E-01	1.20
0	8.29E-01	0.78
0	3.94E-01	1.58
0	6.64E-01	0.55

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.90E-01	0.65
0	5.30E-02	2.46
0	8.54E-01	0.88
85	1.62E-01	1.16
0	1.68E-01	1.90
1	5.62E-01	0.85
204	2.50E-01	0.89
1921	4.35E-01	0.23
0	6.84E-01	1.38
242	1.37E-01	0.87
178	4.61E-01	0.93
0	8.42E-01	1.21
264	4.70E-01	0.93
0	6.93E-01	0.52
0	7.20E-01	0.86
0	8.49E-01	1.34
14	3.55E-01	0.86
15	3.07E-01	0.85
9	2.82E-01	0.83
0	3.54E-02	8.27
1	5.27E-01	1.19
482	1.96E-01	0.89
0	4.54E-01	1.55
1	7.64E-01	0.90
17	7.91E-01	1.04
0	7.33E-01	0.60
0	1.15E-01	4.29
0	6.51E-01	1.42
158	2.98E-01	0.90
0	9.14E-01	1.19
1922	1.00E+00	0.97
0	8.53E-01	1.08
80	8.14E-01	0.97
0	7.53E-01	1.30
0	7.51E-01	0.64
3	9.93E-01	1.00
0	8.80E-01	1.07
0	6.34E-01	0.79
0	9.71E-01	1.06
6	7.72E-01	0.95
0	8.15E-01	1.20
7	8.35E-01	0.96
256	9.77E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.71E-01	1.59
1	9.68E-01	0.99
0	4.42E-01	0.37
0	8.00E-01	0.89
3	4.37E-01	0.84
2	9.66E-01	0.99
0	7.79E-01	1.29
423	9.17E-01	1.01
474	5.88E-01	1.05
0	9.52E-01	1.05
0	2.70E-01	0.25
1	9.47E-01	1.02
5	6.08E-01	1.10
6	6.52E-01	1.09
5	5.92E-01	1.11
6	5.07E-01	1.13
0	9.52E-01	1.05
1	6.17E-01	0.85
20	6.79E-01	0.94
0	5.24E-01	2.04
0	5.24E-01	2.04
0	8.58E-02	2.65
41	4.99E-01	0.92
0	5.18E-01	0.40
89	7.08E-01	1.04
88	5.89E-01	1.06
0	7.85E-01	0.79
0	9.65E-01	1.04
0	9.88E-01	1.01
1	3.66E-01	1.25
87	9.78E-01	1.00
148	2.99E-01	1.11
0	7.44E-02	9.10
0	1.27E-01	3.44
646	9.41E-01	0.99
0	1.87E-01	2.86
0	9.34E-01	1.08
0	8.75E-01	0.79
0	1.16E-01	0.11
0	6.17E-01	0.45
0	5.06E-01	2.00
1	7.64E-01	0.92
2	7.98E-01	1.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.65E-01	0.27
0	9.86E-01	0.99
0	8.69E-01	0.83
0	1.54E-01	2.68
4	3.29E-01	1.24
0	5.27E-01	0.44
1	6.77E-01	0.84
0	9.16E-01	1.13
5	8.63E-02	1.44
97	4.26E-01	0.92
0	8.13E-01	1.44
0	7.70E-02	0.12
172	3.32E-01	0.91
0	8.30E-01	0.80
0	5.72E-01	0.48
0	9.77E-01	0.97
0	8.95E-02	0.42
0	4.09E-01	2.30
0	8.30E-01	0.80
0	2.57E-01	0.34
0	2.36E-01	2.07
0	3.05E-01	1.62
0	5.47E-01	1.81
0	7.01E-01	1.33
0	4.82E-01	1.87
0	7.17E-01	1.81
2	8.54E-02	1.55
0	7.92E-01	1.15
0	9.25E-01	1.09
1	7.27E-01	1.12
0	4.64E-01	0.34
0	4.74E-02	0.12
15	8.91E-01	0.98
1	9.65E-01	0.99
0	3.20E-01	0.27
23	2.70E-01	1.16
0	8.98E-01	1.23
0	7.45E-01	0.75
0	9.43E-01	0.94
0	5.37E-01	1.92
0	7.76E-01	1.33
0	4.10E-01	0.42
0	3.34E-01	1.78

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

614	3.66E-01	1.09
51	5.06E-01	1.08
0	8.58E-01	0.80
40	7.07E-01	1.05
1	8.79E-01	1.06
0	1.26E-01	1.91
0	9.39E-02	1.93
3	4.48E-01	1.23
0	9.42E-01	0.90
1	2.28E-01	1.72
1	6.86E-01	0.80
0	6.38E-01	1.29
0	8.87E-01	0.88
0	1.34E-01	0.18
11	1.09E-01	0.75
0	5.94E-01	0.78
290	5.46E-02	1.19
0	9.13E-01	0.85
0	5.05E-01	2.08
0	1.66E-02	0.04
0	7.06E-01	0.78
3	4.48E-01	0.74
3	9.34E-01	1.03
4	1.07E-01	1.54
4	1.76E-01	1.44
0	6.17E-02	0.17
1041	7.96E-01	0.97
0	1.37E-01	3.53
0	9.22E-01	1.11
0	9.39E-01	1.09
0	9.22E-01	1.11
0	9.22E-01	1.11
0	9.22E-01	1.11
0	8.41E-01	0.80
0	7.35E-01	0.74
1571	2.97E-02	0.73
0	8.06E-01	1.21
58	5.42E-01	1.07
0	8.15E-01	0.91
103	6.37E-01	0.95
0	2.01E-01	4.09
0	6.90E-01	1.95
0	4.54E-01	2.21

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	3.58E-01	1.58
113	8.67E-01	0.98
1311	1.86E-01	0.86
0	7.37E-01	0.86
1	6.33E-01	0.82
942	9.46E-01	0.99
0	1.48E-01	5.34
0	9.28E-01	0.96
0	3.49E-01	2.53
0	1.60E-01	2.84
8	7.31E-01	0.94
0	7.00E-01	0.66
0	7.30E-01	0.83
0	9.01E-01	1.16
0	4.97E-01	1.96
178	1.37E-01	1.15
5	1.39E-01	0.69
0	9.04E-01	1.11
5	1.37E-01	0.69
221	6.72E-01	1.04
0	8.05E-02	4.86
0	7.23E-01	0.77
1	9.21E-01	0.96
0	9.43E-02	2.05
1	1.80E-01	0.61
0	9.39E-01	1.03
0	4.46E-01	0.58
2	5.78E-01	0.85
0	6.26E-01	0.59
0	5.42E-01	0.42
0	5.11E-01	0.54
0	8.38E-01	1.16
0	7.56E-01	1.36
0	7.74E-01	1.20
1918	7.66E-01	1.56
1920	8.19E-01	1.42
1	7.41E-01	0.87
0	9.96E-01	1.00
0	2.23E-01	0.28
0	5.21E-01	0.54
0	3.28E-01	1.92
0	8.62E-01	0.91
0	4.87E-01	1.67

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.82E-02	0.35
1	5.96E-01	0.72
0	1.43E-01	5.47
0	1.19E-01	0.50
637	5.46E-01	0.95
956	2.45E-01	0.89
0	5.97E-01	1.33
0	5.36E-01	0.63
0	7.58E-01	0.63
1	8.10E-01	1.18
1	3.06E-02	2.28
0	5.26E-01	1.48
0	4.58E-01	0.61
0	7.75E-01	0.81
0	9.85E-01	1.02
0	4.43E-01	2.00
0	8.13E-01	1.45
0	4.66E-01	1.25
1	4.34E-02	1.58
0	9.43E-02	2.18
245	1.40E-02	0.79
32	6.72E-01	0.94
1	7.17E-01	0.81
430	1.77E-01	1.13
2	5.96E-02	1.60
1	6.39E-01	0.81
0	1.13E-01	0.14
12	1.40E-01	1.26
0	2.35E-02	5.39
231	5.14E-01	0.94
0	2.70E-01	2.34
149	5.94E-01	0.95
184	4.34E-01	1.08
31	3.12E-01	1.14
718	9.44E-02	1.17
718	9.03E-02	1.17
155	8.63E-01	0.98
157	4.02E-01	1.09
1502	2.98E-02	1.38
20	9.34E-02	0.78
128	8.44E-01	1.02
128	8.29E-01	1.02
0	2.35E-01	1.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

66	5.61E-01	0.93
0	1.46E-01	2.17
0	9.04E-02	0.07
1142	6.17E-01	1.06
1	3.47E-01	1.47
0	6.88E-01	1.49
0	5.96E-03	5.46
150	5.91E-01	1.05
0	2.51E-01	2.00
954	2.83E-01	1.11
0	2.42E-01	2.97
92	1.17E-01	1.19
14	4.61E-01	1.13
0	8.48E-01	0.87
92	9.98E-02	1.20
0	9.58E-01	0.92
0	6.35E-01	1.43
0	1.24E-01	0.13
94	1.06E-01	1.19
0	7.53E-01	0.64
0	2.32E-01	2.57
348	2.07E-01	1.12
1	8.79E-01	1.06
0	3.37E-01	1.58
0	2.15E-01	1.73
0	7.59E-01	0.87
0	6.37E-01	1.19
0	8.73E-01	0.82
0	1.74E-01	0.41
0	5.67E-01	1.61
0	4.39E-01	0.80
1	8.11E-01	1.09
0	6.68E-01	0.55
0	8.39E-01	1.08
0	9.72E-01	1.02
0	9.72E-01	1.02
0	7.00E-01	0.71
630	2.72E-01	0.90
0	2.58E-01	0.73
0	8.58E-01	0.95
436	1.45E-01	0.88
0	5.44E-01	0.53
0	1.77E-01	0.31

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1803	6.28E-01	1.13
12	8.47E-01	1.03
3	1.65E-01	0.67
3	2.86E-01	0.72
8	6.22E-01	0.90
0	6.44E-01	0.71
8	3.73E-01	1.19
1921	4.90E-01	0.22
1921	4.90E-01	0.22
1	7.61E-01	0.92
0	6.39E-01	1.62
7	1.43E-01	1.29
67	4.74E-01	1.09
0	6.35E-01	0.52
1	5.71E-01	0.67
0	1.22E-01	1.58
0	8.83E-01	0.80
0	4.04E-02	6.66
0	6.53E-01	1.34
11	5.92E-01	0.91
0	7.57E-02	3.40
0	3.23E-01	1.82
0	5.14E-01	0.49
0	2.60E-02	0.07
0	2.60E-02	0.07
0	6.50E-01	0.80
0	5.48E-01	1.35
0	9.08E-01	1.07
0	9.96E-01	1.01
0	2.57E-01	2.74
0	1.20E-01	0.24
1	4.94E-01	2.05
0	9.18E-01	1.13
0	8.20E-01	0.79
2	9.27E-01	0.96
0	1.54E-01	3.44
0	1.32E-01	2.51
0	7.77E-01	0.66
0	9.62E-01	0.98
0	5.03E-01	0.72
1	7.56E-01	1.11
0	8.26E-01	1.07
96	7.76E-01	0.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.24E-01	0.47
225	4.58E-01	1.07
0	1.70E-01	1.73
1	8.95E-01	0.93
1	8.95E-01	0.93
0	8.26E-01	1.25
0	5.50E-01	0.52
889	5.62E-01	0.95
0	3.85E-01	0.32
0	4.46E-01	2.01
0	5.60E-03	10.92
0	2.59E-02	7.25
1	9.85E-01	1.02
0	9.46E-01	0.90
0	4.94E-02	4.55
0	2.42E-01	0.25
0	9.01E-01	0.90
0	4.75E-03	17.95
0	8.11E-01	0.92
0	2.69E-01	3.03
0	7.63E-01	0.80
0	8.42E-01	1.16
0	9.29E-01	0.95
0	7.62E-01	1.39
8	7.12E-01	0.93
0	4.59E-01	1.53
0	2.71E-01	0.51
0	3.68E-01	0.43
66	2.81E-03	0.68
1919	1.59E-01	0.19
113	3.60E-02	0.79
0	1.21E-01	3.45
0	1.68E-01	1.76
93	4.79E-01	0.93
0	9.54E-01	1.06
0	6.05E-01	1.70
30	3.99E-01	1.12
27	6.32E-01	1.07
0	5.05E-01	0.53
28	5.91E-01	1.08
0	9.69E-01	0.98
0	2.80E-01	2.41
3	4.32E-01	1.21

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

162	6.73E-02	1.20
16	1.94E-01	0.80
0	9.89E-01	1.00
0	3.46E-01	3.30
456	1.94E-01	1.12
0	1.02E-01	0.08
0	5.13E-01	0.83
0	7.77E-01	0.69
660	8.15E-01	1.02
47	6.56E-01	1.06
83	2.82E-01	0.89
898	8.32E-01	1.02
0	6.56E-01	0.52
0	9.02E-01	1.14
0	2.73E-01	1.79
0	2.96E-01	2.27
1123	4.09E-02	0.81
0	6.77E-01	0.53
3	8.24E-01	0.95
0	8.65E-01	0.85
0	4.44E-02	0.08
1	7.29E-01	0.56
0	7.56E-01	1.25
913	5.82E-01	0.95
13	9.63E-01	0.99
0	2.05E-01	3.27
0	6.87E-01	1.35
0	6.51E-01	0.53
0	7.91E-01	0.68
0	6.27E-01	0.73
0	4.56E-01	0.52
0	6.24E-01	0.66
1491	6.93E-01	1.06
0	9.47E-01	0.91
0	3.84E-01	2.01
0	3.62E-01	0.31
0	2.71E-02	4.29
0	1.27E-01	0.10
0	9.70E-01	0.97
487	2.35E-02	0.82
299	7.05E-01	1.04
27	9.66E-01	0.99
0	2.67E-01	0.38

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

29	5.21E-01	1.09
136	7.27E-01	1.04
9	5.90E-01	0.89
0	9.97E-01	1.00
0	4.60E-01	2.48
0	5.64E-01	0.57
0	7.22E-02	0.06
0	3.02E-01	0.25
14	5.48E-01	0.91
0	1.02E-01	0.16
0	6.05E-01	0.42
0	5.29E-01	0.68
6	2.73E-01	0.77
1	6.30E-01	0.86
0	7.36E-01	0.60
0	8.31E-01	0.85
0	4.94E-01	0.39
1	3.89E-01	0.75
3	1.36E-01	1.48
0	2.69E-01	0.52
6	2.73E-01	0.77
0	8.55E-01	1.16
0	4.96E-01	1.31
0	6.24E-02	4.49
616	1.56E-01	0.88
0	7.31E-01	1.25
0	9.32E-01	0.93
0	2.15E-01	3.87
0	1.06E-01	0.16
165	7.48E-01	1.03
0	3.70E-01	0.36
0	4.34E-01	2.10
0	2.65E-01	3.25
0	1.84E-01	0.29
0	5.97E-01	1.44
0	8.08E-01	0.91
1826	4.03E-01	1.29
0	1.66E-01	1.36
39	5.50E-01	0.92
0	8.04E-01	0.70
16	8.66E-01	1.03
4	2.66E-02	1.52
0	6.78E-01	0.57

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.91E-02	6.83
548	6.44E-01	0.96
347	2.11E-01	0.89
1	1.49E-01	1.50
8	5.20E-01	1.13
68	7.83E-01	0.97
109	3.08E-01	0.90
67	7.89E-01	0.97
109	3.35E-01	0.90
2	9.78E-01	0.99
68	7.83E-01	0.97
1	2.78E-01	0.48
0	7.87E-01	1.25
530	8.36E-01	0.98
7	5.06E-01	1.13
532	7.89E-01	0.98
0	3.04E-01	1.71
101	9.53E-01	0.99
0	1.05E-01	2.41
21	8.00E-02	0.76
68	7.14E-01	0.96
1	8.96E-01	1.06
0	4.55E-01	1.66
0	8.43E-01	1.17
61	5.39E-01	0.93
0	8.57E-01	1.14
21	7.65E-02	0.76
109	3.60E-01	0.91
67	8.00E-01	0.97
1	7.02E-01	0.91
0	9.44E-01	0.93
0	6.60E-02	4.97
21	9.90E-02	0.77
70	7.06E-01	0.96
143	7.18E-01	1.04
0	1.08E-02	2.31
2	6.43E-01	0.83
807	6.50E-01	0.96
37	6.37E-01	1.06
29	2.27E-01	0.84
132	4.11E-01	1.09
0	4.49E-01	0.70
1	7.84E-01	1.08

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	6.82E-01	1.10
99	6.34E-01	0.95
0	1.93E-01	4.29
234	6.45E-01	1.04
10	2.55E-01	0.83
0	5.35E-01	0.48
0	6.63E-01	1.53
0	1.09E-01	3.90
0	5.10E-01	1.65
0	1.98E-01	0.18
0	3.21E-01	2.84
96	7.75E-01	0.97
0	3.93E-01	0.33
0	1.75E-01	4.96
9	4.60E-01	1.15
0	8.28E-01	1.15
277	2.10E-01	1.13
9	9.99E-01	1.00
22	3.29E-01	0.87
0	4.02E-01	2.04
2	5.29E-01	1.26
0	5.32E-01	1.29
0	5.76E-01	1.25
0	7.71E-01	1.13
0	2.12E-01	3.75
0	6.38E-01	0.74
0	6.93E-01	1.38
2	8.59E-02	1.72
0	9.88E-01	0.98
0	9.94E-01	1.00
238	1.14E-01	1.17
0	9.66E-01	1.02
403	2.56E-01	1.11
0	6.75E-01	0.63
1	4.30E-02	0.50
238	2.03E-01	1.13
0	8.62E-01	0.78
0	8.47E-01	0.80
1	8.52E-01	1.10
3	3.46E-01	0.78
0	5.16E-01	1.61
1	8.71E-01	1.09
1	8.29E-01	0.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

11	4.45E-01	1.14
2	4.30E-01	0.81
588	6.83E-01	1.04
0	1.23E-01	2.74
2	2.26E-01	1.46
1	8.29E-01	0.94
0	7.27E-01	0.71
26	6.56E-01	0.94
0	8.01E-01	0.70
7	5.99E-01	1.10
6	6.03E-01	1.10
0	9.57E-01	0.97
0	9.45E-01	0.90
1500	6.12E-01	1.07
1	2.94E-01	0.36
0	7.88E-01	0.74
0	8.01E-01	1.49
0	3.60E-01	0.39
0	5.19E-01	2.12
1334	7.65E-01	0.97
0	6.75E-01	1.40
0	5.00E-01	2.21
0	3.70E-01	1.52
0	8.72E-02	6.02
0	7.28E-01	0.77
0	5.01E-01	0.49
1	4.63E-01	0.78
1922	1.00E+00	0.97
0	2.55E-01	2.32
2	3.02E-01	1.40
0	1.79E-01	3.97
1450	4.89E-01	0.91
0	7.39E-01	1.37
1921	2.80E-01	0.11
0	2.59E-01	0.39
1	6.23E-01	1.15
0	9.72E-02	0.12
15	5.51E-01	0.91
16	5.90E-01	0.92
15	5.99E-01	0.92
0	5.42E-01	0.54
0	4.13E-01	0.72
0	8.51E-01	0.76

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.98E-03	3.83
0	8.85E-02	4.60
2	7.52E-01	1.17
88	3.28E-01	1.11
45	8.31E-01	0.97
0	8.96E-01	1.10
1039	6.03E-01	1.05
1035	5.29E-01	1.07
1035	5.29E-01	1.07
1034	5.17E-01	1.07
1036	5.29E-01	1.07
1036	5.02E-01	1.07
0	9.75E-01	0.99
1498	6.62E-01	0.94
0	1.28E-01	2.17
0	1.35E-01	5.89
0	5.08E-01	0.38
3	2.91E-01	0.73
0	8.81E-01	0.87
0	5.26E-01	1.50
0	4.10E-02	0.08
0	6.06E-01	1.69
0	6.68E-01	0.66
190	4.30E-02	0.82
1921	7.41E-01	1.53
165	4.11E-01	0.92
0	2.59E-01	2.79
1127	6.01E-01	0.94
0	8.04E-01	0.70
0	7.43E-02	0.40
0	4.79E-01	0.84
1242	4.53E-01	1.09
1157	3.09E-01	1.11
7	8.28E-01	0.96
0	1.49E-02	6.90
0	1.53E-02	10.03
0	9.14E-02	4.24
0	2.10E-01	3.91
1922	1.00E+00	0.97
0	1.15E-01	4.66
0	5.57E-01	1.98
67	4.78E-02	0.79
0	8.12E-01	0.71

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.10E-01	3.65
0	7.47E-01	0.73
21	4.86E-01	1.11
2	7.36E-01	1.09
26	1.39E-01	1.21
1	6.76E-01	0.86
0	2.39E-02	4.34
0	4.78E-02	2.59
5	5.24E-01	1.15
0	4.45E-02	0.37
0	5.49E-01	1.33
799	9.47E-01	0.99
0	7.53E-01	0.64
0	7.75E-01	0.70
0	6.05E-01	0.64
91	2.87E-01	0.89
1308	5.14E-01	1.08
5	1.95E-01	1.31
16	1.10E-01	0.76
0	5.96E-02	8.81
1320	6.44E-01	1.05
7	5.19E-01	1.13
0	8.48E-02	0.08
2	9.06E-01	1.03
0	5.64E-01	0.78
0	5.90E-02	0.39
0	6.62E-01	1.50
0	7.93E-01	0.68
7	1.21E-01	1.34
7	1.06E-01	1.36
7	1.06E-01	1.36
2	7.24E-01	0.92
0	2.84E-01	2.53
0	1.08E-01	5.17
6	2.63E-01	1.27
0	9.04E-01	0.92
147	5.63E-01	0.94
0	2.00E-01	0.19
0	2.47E-01	0.37
146	5.12E-01	0.94
0	1.70E-01	0.14
0	7.69E-01	1.50
1	1.39E-02	0.40

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

102	5.61E-02	0.81
612	1.72E-01	1.13
807	4.48E-02	1.21
0	3.80E-01	1.41
0	5.90E-01	0.60
0	2.63E-01	1.82
0	2.89E-01	1.84
2	7.61E-01	0.91
0	3.15E-01	3.02
0	7.88E-01	1.09
0	8.45E-01	0.78
0	7.46E-01	1.19
0	4.39E-01	2.20
0	8.20E-01	1.18
473	5.18E-01	0.94
0	9.73E-01	1.01
0	6.82E-01	1.41
1	7.44E-01	1.10
0	9.44E-01	1.12
888	5.10E-02	0.83
0	2.77E-01	2.35
0	3.56E-02	3.18
495	2.39E-01	1.11
6	5.42E-01	1.11
0	7.03E-01	0.59
0	3.98E-01	0.48
0	6.45E-01	0.64
0	4.60E-01	0.36
0	7.49E-01	0.63
26	4.27E-01	0.89
16	1.68E-02	0.67
36	3.50E-01	1.14
0	2.31E-01	0.46
0	1.18E-01	1.86
0	4.43E-01	0.35
13	8.12E-02	1.33
1	2.82E-01	1.30
0	9.36E-02	2.90
64	1.33E-01	1.19
61	1.24E-01	1.20
0	5.24E-01	1.68
64	2.02E-01	1.16
0	2.72E-01	3.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.36E-02	5.59
17	3.20E-02	1.40
0	4.42E-01	2.26
0	7.10E-01	0.79
13	4.68E-02	1.40
3	8.11E-01	1.07
0	7.42E-01	0.70
0	5.80E-01	1.59
0	7.76E-01	0.67
0	9.01E-01	0.89
11	9.07E-02	1.35
0	3.78E-01	1.71
0	8.02E-01	0.76
3	5.86E-01	0.85
0	6.12E-01	1.80
90	1.63E-01	1.16
10	3.34E-01	0.84
1	1.49E-01	2.50
0	3.07E-01	0.32
0	5.54E-02	3.75
0	9.57E-02	0.29
0	1.20E-01	2.91
0	6.40E-01	1.18
12	5.33E-02	1.36
3	7.65E-01	0.93
35	9.30E-02	1.24
0	8.17E-01	1.26
0	5.56E-01	0.85
0	3.22E-01	0.45
0	9.16E-01	0.97
1	2.49E-01	0.67
1	4.69E-01	0.71
13	6.67E-02	1.34
13	6.82E-02	1.34
1	9.99E-01	1.00
0	1.54E-01	0.48
5	2.46E-01	1.31
0	5.63E-02	0.09
0	6.47E-01	0.53
3	7.65E-01	0.93
0	4.84E-01	1.59
0	1.93E-02	2.41
3	7.65E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

5	2.46E-01	1.31
0	8.88E-01	1.22
0	2.23E-01	2.86
0	4.76E-01	1.38
0	1.61E-03	0.03
0	7.22E-01	0.71
0	7.88E-01	1.21
3	2.08E-01	0.71
0	9.96E-01	1.00
0	7.98E-01	1.18
12	6.91E-01	0.94
3	1.49E-01	0.72
0	5.97E-01	0.70
0	3.15E-01	2.58
1920	6.84E-01	0.49
292	4.30E-01	0.93
1	4.91E-01	1.79
0	4.95E-01	0.40
47	3.57E-01	1.13
454	9.15E-01	1.01
1	6.06E-01	1.23
0	9.89E-01	1.01
0	7.41E-01	1.65
269	8.86E-01	0.99
0	1.80E-01	0.17
4	2.36E-01	1.37
0	3.01E-01	2.26
4	2.67E-01	1.34
0	1.85E-01	1.87
48	3.56E-02	0.77
241	4.21E-01	1.08
1	8.13E-01	0.84
0	3.83E-01	2.60
245	6.23E-01	0.95
0	6.86E-03	4.10
0	5.61E-02	3.70
0	2.83E-01	0.21
0	3.11E-01	1.36
0	5.50E-01	0.74
0	4.85E-01	1.23
1875	2.71E-01	1.57
15	8.12E-01	1.04
0	5.97E-01	0.49

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.69E-01	0.12
0	7.95E-01	0.74
17	9.47E-01	1.01
0	5.24E-01	1.92
276	8.56E-01	1.02
0	7.09E-02	0.08
0	2.19E-01	4.33
870	7.52E-03	0.78
0	6.29E-01	1.46
664	1.05E-01	1.16
0	4.15E-01	0.69
1	1.50E-01	0.41
79	6.29E-01	1.05
0	4.14E-01	0.61
0	7.46E-01	0.63
0	1.12E-01	1.96
0	6.51E-01	0.80
80	5.78E-01	1.06
0	2.97E-01	0.53
4	1.21E-01	0.66
0	9.77E-01	1.01
3	5.84E-01	0.83
366	1.67E-01	1.13
0	9.57E-01	1.08
0	7.42E-03	13.99
469	2.16E-01	1.12
34	2.28E-01	0.84
74	6.31E-01	0.95
0	1.52E-01	1.41
0	6.92E-01	0.70
0	1.73E-04	24.94
0	5.70E-01	1.83
0	6.30E-01	1.18
3	6.03E-01	1.16
0	1.67E-01	3.78
0	7.28E-01	0.62
5	1.30E-01	1.32
0	5.17E-01	0.42
18	2.94E-02	1.36
0	7.74E-01	0.71
0	4.68E-01	2.19
0	3.78E-01	2.55
0	8.75E-01	1.45

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.87E-01	5.31
0	2.42E-01	0.17
0	6.56E-03	6.85
237	6.75E-01	1.04
0	3.66E-01	1.89
0	3.62E-01	2.39
0	4.36E-01	0.48
1	3.47E-01	0.77
2	8.66E-01	0.96
0	5.32E-01	0.71
164	9.84E-01	1.00
0	2.87E-01	2.54
0	4.65E-01	1.30
0	6.31E-01	1.55
0	5.76E-01	0.47
0	9.65E-01	1.07
178	7.52E-01	0.97
0	7.63E-01	1.61
12	4.07E-01	1.16
11	2.08E-01	0.76
13	5.18E-01	0.89
142	7.92E-01	1.03
0	5.61E-03	4.48
0	8.31E-01	0.81
9	6.72E-01	1.09
24	1.40E-01	0.78
0	7.89E-02	3.08
213	5.33E-01	1.06
25	1.65E-01	0.79
0	9.16E-01	0.94
1	7.20E-01	1.16
0	8.37E-01	1.35
35	4.34E-01	0.90
36	9.21E-01	0.99
36	9.21E-01	0.99
129	4.75E-01	0.93
128	4.94E-01	0.93
131	4.90E-01	0.93
129	5.40E-01	0.94
221	3.69E-01	0.92
219	3.54E-01	0.91
0	7.35E-02	0.08
218	3.52E-01	0.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

9	4.32E-01	0.88
0	3.01E-01	2.51
0	4.25E-01	0.51
0	8.34E-01	1.18
0	7.80E-01	0.67
39	5.69E-01	0.93
0	7.80E-01	0.67
0	9.13E-01	0.85
347	4.67E-01	0.94
0	6.16E-01	1.25
0	4.51E-01	0.41
347	4.61E-01	0.93
85	3.38E-01	0.90
33	5.60E-01	0.92
2	3.48E-01	0.76
0	1.49E-01	0.37
0	8.17E-01	0.81
0	5.46E-01	0.58
28	1.00E+00	1.00
0	8.64E-01	0.92
0	2.08E-01	4.02
37	8.67E-01	1.02
0	2.23E-01	1.91
28	4.19E-01	0.89
652	9.40E-01	1.01
27	4.16E-01	0.89
16	9.60E-01	1.01
0	3.01E-01	2.51
0	8.99E-01	0.94
1425	2.11E-01	0.86
49	2.55E-01	1.15
0	7.47E-01	1.42
180	1.71E-01	0.87
180	1.71E-01	0.87
1	7.03E-01	1.12
18	2.21E-01	0.82
0	3.93E-02	3.72
0	7.61E-01	1.39
497	9.92E-01	1.00
498	9.85E-01	1.00
498	9.87E-01	1.00
31	1.93E-01	1.19
0	6.97E-01	0.63

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

67	1.14E-01	1.19
3	5.90E-01	0.87
83	3.92E-01	1.10
24	1.95E-01	0.82
0	5.72E-01	0.62
0	5.45E-01	1.93
1920	3.56E-01	0.17
123	3.73E-02	0.80
4	5.58E-01	1.12
0	7.10E-01	1.15
0	7.44E-01	1.26
1	3.08E-01	1.35
0	2.09E-01	4.03
1330	7.08E-02	1.24
0	5.92E-04	103.26
0	1.54E-03	102.59
0	1.92E-03	102.95
0	1.57E-03	103.03
0	2.10E-03	103.17
0	2.10E-03	103.17
0	1.89E-03	102.85
0	6.37E-01	0.70
0	8.38E-01	0.85
344	1.74E-01	0.88
933	7.91E-01	1.03
156	8.45E-01	1.02
792	6.04E-01	0.95
1640	3.02E-01	0.85
0	8.08E-01	0.83
0	4.12E-01	0.53
405	9.14E-01	0.99
6	4.61E-02	1.49
0	5.74E-01	0.61
6	6.05E-02	1.46
0	7.44E-01	1.37
6	4.13E-02	1.51
5	3.24E-02	1.55
5	3.24E-02	1.55
5	3.24E-02	1.55
5	3.24E-02	1.55
5	3.24E-02	1.55
64	6.43E-01	0.95
124	1.83E-01	0.87
5	1.48E-01	0.76

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

123	2.16E-01	0.88
123	2.16E-01	0.88
711	5.38E-01	0.95
0	4.93E-01	0.37
124	2.11E-01	0.88
124	2.11E-01	0.88
125	1.76E-01	0.87
123	2.03E-01	0.87
5	1.56E-01	0.76
124	2.10E-01	0.88
54	5.60E-01	1.07
123	2.02E-01	0.87
0	2.09E-01	0.17
0	4.22E-02	7.63
0	9.51E-01	0.95
1266	3.68E-01	0.90
1268	3.16E-01	0.89
277	7.25E-02	0.85
0	9.75E-01	0.98
1266	3.61E-01	0.90
1	8.53E-01	0.92
308	7.77E-02	0.85
308	7.77E-02	0.85
309	7.59E-02	0.85
309	7.59E-02	0.85
0	8.26E-01	0.93
0	8.78E-01	0.92
309	7.59E-02	0.85
308	7.39E-02	0.85
0	7.82E-01	1.40
309	7.46E-02	0.85
3	8.62E-01	0.96
0	2.66E-01	2.46
0	2.51E-01	0.56
587	2.50E-01	1.11
0	6.88E-01	1.32
67	5.78E-01	1.07
1	6.64E-03	2.23
0	2.58E-01	3.44
0	7.98E-01	1.20
0	9.18E-01	0.89
40	5.13E-02	1.28
0	9.03E-01	0.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

258	5.37E-01	0.94
0	7.55E-01	1.09
22	2.79E-01	1.16
2	1.90E-01	1.40
39	6.64E-01	0.95
32	4.90E-01	1.10
0	4.14E-01	0.41
1	2.03E-01	1.90
252	2.29E-01	0.89
71	5.98E-02	0.80
0	6.04E-01	1.69
0	2.34E-01	0.26
1	1.56E-01	1.36
0	5.48E-01	0.56
1917	9.96E-01	1.01
0	6.04E-01	1.69
997	4.75E-01	1.07
135	4.95E-01	0.93
132	5.04E-01	0.93
1	9.65E-01	0.98
0	9.94E-01	1.01
0	9.97E-01	1.00
0	4.15E-01	0.51
683	5.73E-01	0.95
1295	3.43E-01	0.90
687	6.16E-01	0.96
185	1.80E-01	1.14
435	6.02E-01	1.05
3	6.39E-01	1.10
1088	6.66E-01	0.96
0	8.95E-01	1.14
1	6.65E-01	0.90
0	3.27E-01	0.45
0	7.99E-01	1.28
0	5.91E-01	1.31
0	8.27E-01	0.94
0	9.55E-01	0.96
1	3.36E-01	0.79
0	9.86E-01	1.01
6	5.23E-01	0.88
4	6.99E-01	0.93
1	3.72E-01	1.61
26	8.91E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.59E-01	2.57
707	3.47E-01	1.09
2	9.97E-02	0.67
0	5.18E-01	0.39
0	9.10E-01	0.95
0	8.93E-01	1.17
1435	2.61E-02	0.75
11	6.60E-02	1.38
0	8.47E-01	1.13
1807	4.55E-01	0.83
64	2.58E-01	0.87
1806	3.83E-01	0.81
0	9.56E-01	0.98
0	8.65E-01	0.79
0	7.32E-02	2.93
1806	5.47E-01	0.87
861	9.53E-01	0.99
171	8.87E-01	0.99
6	9.93E-01	1.00
38	1.58E-01	0.82
6	9.56E-01	0.99
0	1.21E-01	6.36
6	9.69E-01	0.99
0	1.44E-01	2.87
0	5.13E-02	0.18
759	6.40E-01	1.04
6	9.77E-01	0.99
617	6.16E-01	1.05
6	9.56E-01	0.99
0	6.27E-01	0.50
0	3.26E-01	2.04
214	6.29E-01	1.05
246	9.87E-01	1.00
0	5.52E-01	0.59
246	9.97E-01	1.00
246	9.87E-01	1.00
246	9.87E-01	1.00
0	6.41E-01	1.28
0	1.39E-01	1.88
5	9.97E-01	1.00
1222	3.62E-01	1.11
1220	3.42E-01	1.11
1	4.26E-01	0.63

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

389	9.88E-01	1.00
260	4.32E-01	1.08
390	9.66E-01	1.00
0	2.04E-01	3.20
10	5.57E-01	1.10
2	8.51E-01	0.95
0	8.59E-01	0.91
1316	1.21E-01	0.84
1227	1.71E-01	0.86
0	5.20E-01	0.53
1228	1.81E-01	0.87
17	1.28E-01	1.25
0	3.32E-01	1.82
0	6.39E-01	1.55
0	4.17E-01	0.33
0	1.81E-01	1.72
0	4.98E-01	0.70
0	8.64E-01	1.31
405	1.36E-01	0.87
3	9.50E-01	1.02
1136	5.00E-01	0.93
1	6.55E-01	1.32
1061	2.49E-01	0.89
7	5.73E-01	1.10
0	5.08E-01	1.91
0	6.82E-02	1.95
0	7.83E-01	0.79
590	5.33E-01	0.95
0	3.23E-02	0.15
0	1.88E-01	2.17
0	7.34E-01	0.90
0	5.08E-01	0.83
0	5.42E-01	1.85
0	1.88E-01	2.17
5	6.64E-01	1.09
0	4.39E-01	0.34
0	1.44E-02	7.74
579	3.57E-01	0.92
0	1.01E-01	7.01
1	8.54E-01	1.21
0	8.91E-01	0.89
0	2.60E-01	0.42
0	1.97E-01	4.39

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.79E-01	2.07
0	4.28E-01	0.47
506	9.04E-01	1.01
556	5.88E-01	1.05
75	8.47E-01	0.98
0	9.83E-01	1.01
89	7.64E-01	0.97
200	9.35E-01	1.01
0	5.34E-01	0.56
0	2.63E-01	0.26
0	6.07E-01	1.58
0	9.25E-01	0.91
2	5.10E-01	0.83
2	1.62E-01	1.55
1920	5.98E-01	2.22
90	2.76E-01	0.89
0	9.29E-01	1.05
0	6.64E-01	2.05
0	6.64E-01	2.05
0	2.47E-01	1.75
0	9.10E-01	1.04
280	2.76E-01	0.90
0	9.98E-01	1.00
0	6.67E-01	1.56
0	1.85E-01	6.01
476	8.49E-01	1.02
1	6.95E-01	1.14
305	9.23E-01	0.99
0	9.30E-01	1.15
0	7.75E-01	1.25
0	8.34E-01	1.11
0	3.65E-01	2.45
0	1.02E-02	2.73
0	5.80E-02	3.91
0	8.76E-01	0.86
0	1.73E-01	0.23
0	5.58E-01	1.63
0	8.92E-02	0.08
1	3.88E-01	1.50
15	3.60E-01	1.17
1	4.04E-01	0.68
0	9.73E-01	0.98
275	9.73E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.46E-01	0.80
0	6.69E-02	2.58
0	7.74E-01	0.67
0	9.64E-01	1.06
0	1.85E-01	0.56
0	5.77E-01	0.74
0	7.76E-02	0.14
80	8.07E-01	0.97
1344	8.42E-01	0.98
224	6.56E-01	0.96
0	7.12E-01	1.46
3	2.91E-02	1.65
0	7.67E-02	3.67
0	2.57E-01	2.90
0	8.84E-01	0.93
203	9.11E-01	1.01
254	3.59E-01	1.09
5	4.59E-01	1.15
0	3.96E-01	2.49
0	1.72E-01	2.61
623	2.79E-01	1.10
42	8.33E-01	0.97
1916	3.96E-01	0.40
0	1.18E-01	2.22
113	1.51E-01	1.16
769	5.28E-01	0.94
6	8.04E-01	0.95
57	5.24E-01	1.08
277	7.62E-01	0.97
261	6.80E-01	0.96
0	4.63E-01	2.22
0	1.88E-01	0.19
0	6.42E-01	1.33
0	7.60E-01	1.16
85	9.84E-01	1.00
0	9.01E-02	4.00
0	9.44E-01	0.90
0	5.32E-01	2.04
0	3.68E-03	7.22
1816	8.86E-01	1.04
15	4.13E-02	1.36
0	4.06E-01	0.33
1	2.87E-01	0.62

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

824	9.01E-02	0.85
1922	1.00E+00	0.97
82	3.77E-01	1.10
1	6.95E-01	1.11
6	5.79E-02	0.60
0	6.32E-01	0.57
0	8.00E-01	1.13
0	3.65E-01	0.40
738	1.18E-01	0.87
6	5.79E-02	0.60
6	5.79E-02	0.60
83	3.99E-01	1.09
0	5.65E-01	1.66
92	4.63E-01	1.08
0	5.01E-01	1.58
0	7.92E-01	0.89
0	7.04E-01	0.79
0	2.28E-01	3.43
61	4.16E-01	0.91
2	7.31E-01	1.09
0	5.02E-01	0.82
0	7.34E-01	1.22
4	9.30E-01	0.98
0	5.90E-01	1.48
1922	1.61E-01	0.12
0	8.32E-01	1.22
0	4.94E-02	3.00
1138	2.64E-02	0.79
6	2.50E-01	0.79
0	5.16E-02	2.97
3	2.84E-01	1.27
0	8.97E-01	1.06
42	8.58E-01	1.02
43	8.60E-01	1.02
0	2.89E-01	0.63
1719	6.89E-01	1.08
0	4.37E-01	1.23
224	7.59E-01	0.97
264	3.31E-01	1.09
152	3.71E-01	1.09
149	3.20E-01	1.10
149	3.20E-01	1.10
151	3.41E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.47E-01	0.52
0	6.47E-01	0.52
0	3.27E-01	2.71
0	9.22E-02	0.49
0	2.64E-01	3.55
1	3.06E-01	2.54
1177	7.52E-01	0.97
4	4.68E-01	0.85
319	9.96E-01	1.00
318	1.00E+00	1.00
0	3.06E-01	1.79
0	3.35E-01	0.45
0	3.18E-01	2.80
2	7.46E-02	1.68
0	1.44E-01	3.01
3	8.28E-01	1.06
0	2.96E-01	1.58
8	5.42E-01	1.12
0	2.31E-02	3.10
0	3.70E-01	0.39
4	6.34E-01	1.12
8	6.54E-01	1.08
1	9.61E-01	0.98
0	4.63E-01	0.41
0	7.83E-02	4.68
0	4.22E-01	1.27
133	6.12E-01	1.05
133	6.12E-01	1.05
0	1.75E-01	0.59
0	5.51E-01	0.64
1	4.83E-01	0.60
0	1.33E-01	5.18
0	8.82E-01	0.81
72	2.80E-01	1.13
0	2.00E-01	0.39
0	9.15E-02	4.82
0	8.22E-01	0.85
0	9.49E-02	3.08
0	3.58E-01	2.65
0	3.95E-01	0.44
819	5.42E-01	0.94
11	5.54E-01	0.90
0	6.54E-01	1.35

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

11	5.54E-01	0.90
1	8.48E-01	1.10
0	5.85E-01	1.74
213	2.35E-01	1.12
0	6.95E-01	1.50
0	2.09E-02	11.85
8	9.85E-01	1.00
154	8.80E-01	0.99
0	3.17E-01	1.87
253	7.31E-01	0.97
1914	2.92E-01	3.53
0	7.40E-01	0.61
699	5.28E-01	1.06
73	7.04E-01	0.96
0	6.76E-01	1.35
795	6.55E-01	1.04
0	1.44E-01	2.23
0	3.41E-01	2.14
0	9.83E-01	1.02
0	3.89E-01	1.76
40	3.96E-01	0.89
0	2.57E-01	1.67
125	9.63E-01	1.00
0	5.64E-01	1.60
0	5.75E-01	1.27
0	3.87E-01	1.57
0	6.17E-01	1.29
845	7.49E-01	0.97
0	1.69E-01	4.99
34	7.63E-01	0.96
0	8.35E-01	1.13
0	7.69E-01	0.74
0	7.58E-01	0.64
0	7.23E-01	0.61
0	9.54E-02	1.73
0	6.69E-01	0.52
0	7.56E-01	0.76
0	9.82E-01	0.99
0	3.32E-01	2.39
0	4.27E-01	0.33
0	5.22E-01	2.20
0	4.30E-01	2.65
1	3.85E-02	1.83

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.07E-02	1.61
0	6.09E-01	2.78
6	9.04E-01	0.98
1875	2.68E-01	1.69
906	5.90E-01	0.95
0	1.37E-01	3.05
0	4.57E-02	0.12
0	9.09E-02	4.90
0	1.77E-01	3.57
0	6.37E-01	1.37
0	4.99E-02	0.06
1	8.11E-01	0.94
0	4.51E-01	2.24
11	6.67E-01	0.93
10	7.12E-01	0.94
0	5.58E-01	1.46
1	8.33E-01	1.07
964	6.48E-01	1.05
0	9.28E-01	0.92
0	6.10E-01	0.74
0	7.28E-01	2.35
0	2.96E-01	2.60
0	1.46E-01	0.37
1	3.20E-01	1.80
0	6.78E-01	1.22
0	1.20E-01	1.79
0	7.89E-01	0.68
0	6.15E-01	1.20
0	1.73E-01	3.70
0	1.20E-01	4.33
0	4.29E-01	1.48
272	4.05E-01	0.93
1	9.69E-01	0.99
0	7.70E-01	0.73
1682	5.66E-02	0.72
0	9.82E-01	1.04
229	3.13E-01	0.91
0	2.51E-01	0.59
1	8.70E-01	1.05
0	3.82E-01	1.91
2	2.30E-01	0.67
2	6.01E-01	0.86
0	5.64E-01	1.80

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.88E-03	16.29
16	6.31E-02	1.31
0	1.68E-01	2.61
0	4.04E-01	1.65
0	8.02E-01	0.70
0	8.91E-01	1.10
0	8.75E-01	0.90
0	9.99E-01	1.00
1922	1.00E+00	0.97
13	4.10E-01	0.86
0	7.41E-01	1.39
3	6.31E-01	0.89
15	1.83E-01	1.22
0	5.48E-01	0.57
0	3.58E-02	0.10
0	4.77E-01	1.41
0	4.20E-01	1.29
1	4.59E-01	0.78
0	1.64E-01	2.84
1	5.64E-01	1.26
23	4.71E-01	1.10
2	6.76E-01	0.85
0	5.88E-01	0.44
0	6.02E-01	0.65
1	7.57E-01	1.29
136	1.59E-01	0.86
0	3.34E-01	2.12
765	7.00E-01	1.04
4	1.53E-01	0.74
9	4.66E-03	1.59
0	5.91E-01	1.83
0	2.47E-01	0.23
0	6.59E-01	1.25
604	5.26E-01	1.06
0	4.86E-02	0.09
0	6.04E-01	1.72
0	1.72E-01	2.14
1	2.36E-01	0.47
57	8.53E-02	0.81
51	5.69E-02	1.26
0	1.07E-02	9.02
0	1.27E-01	0.67
55	2.54E-01	0.86

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.74E-01	0.55
0	3.81E-01	2.00
257	2.22E-01	0.89
0	3.12E-01	0.41
0	4.98E-01	1.97
0	1.40E-01	4.19
0	7.79E-01	0.67
0	9.37E-01	0.91
0	1.76E-01	0.71
0	3.36E-01	2.91
0	8.39E-01	1.16
41	3.96E-01	0.90
0	7.21E-01	1.30
0	9.09E-01	0.90
3	3.18E-01	0.74
22	8.60E-01	0.98
0	6.61E-01	1.64
0	9.69E-01	0.96
0	8.61E-01	1.13
0	9.76E-01	1.05
0	2.58E-01	1.43
0	9.03E-01	1.13
11	7.44E-01	0.95
0	1.37E-01	2.69
2	4.52E-01	0.82
2	3.42E-02	0.47
63	2.51E-01	0.87
1153	4.81E-01	0.93
1921	7.82E-01	0.62
0	1.64E-01	0.29
1824	6.39E-01	0.88
0	6.04E-01	0.75
4	5.54E-01	0.87
0	7.42E-01	1.70
1	8.80E-01	0.92
0	3.52E-01	0.29
0	3.08E-01	2.51
0	8.68E-01	0.91
17	1.62E-01	0.81
0	8.99E-02	3.41
1	8.57E-01	1.09
0	2.62E-01	3.30
0	1.58E-01	0.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.12E-02	5.77
0	5.49E-01	0.55
1	8.03E-01	1.24
0	5.18E-01	1.27
4	3.03E-01	1.24
0	3.00E-01	2.44
2	1.03E-01	0.58
0	4.78E-02	3.16
4	7.05E-01	0.89
0	5.65E-01	1.83
4	9.75E-01	0.99
0	5.91E-02	3.69
5	9.59E-01	1.01
0	4.65E-01	1.33
2	5.90E-01	1.16
0	1.69E-01	0.18
2	4.59E-01	0.78
1095	4.81E-01	0.93
1082	6.63E-01	0.96
55	4.09E-01	1.10
0	5.16E-01	0.73
0	3.92E-01	0.31
0	5.54E-02	3.92
0	1.06E-01	2.59
302	5.25E-01	0.94
0	3.90E-01	2.46
0	3.47E-02	4.38
2	7.36E-02	0.39
0	8.89E-01	1.07
0	2.61E-01	3.26
4	7.62E-01	0.94
980	2.47E-02	0.80
1	6.67E-01	1.11
0	9.50E-01	0.97
0	7.05E-01	0.76
0	2.34E-01	4.02
0	7.32E-01	0.69
205	4.71E-01	0.93
1	8.98E-01	0.96
0	4.98E-01	1.25
68	8.40E-01	0.98
2	9.84E-01	0.99
0	5.08E-01	0.39

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.35E-01	1.58
0	4.76E-01	0.48
0	2.18E-01	0.44
8	6.31E-01	0.90
0	2.77E-01	0.55
1737	2.15E-01	0.79
1	4.75E-01	2.16
0	9.65E-01	0.95
1922	1.00E+00	0.97
2	2.29E-01	0.70
1143	7.43E-01	0.97
0	7.81E-01	1.27
43	7.04E-01	1.05
147	5.87E-01	1.06
0	5.21E-01	2.10
0	5.99E-01	1.29
1124	3.29E-01	0.90
0	9.05E-01	0.85
1	2.96E-01	2.02
0	7.88E-01	1.19
3	5.79E-01	1.12
0	5.74E-01	0.66
0	6.78E-01	0.55
0	6.47E-01	0.70
689	4.60E-01	0.93
0	9.10E-02	7.21
1	7.60E-01	1.12
0	7.74E-01	1.23
0	8.45E-01	0.84
0	7.42E-01	1.12
0	9.42E-01	1.12
1	7.57E-01	0.93
323	7.67E-01	1.03
0	9.68E-01	0.98
853	7.03E-01	0.96
0	7.72E-02	0.07
0	1.34E-01	0.54
9	1.21E-01	1.37
0	8.09E-01	1.15
0	7.50E-01	1.27
0	6.66E-01	0.78
0	3.14E-01	2.43
10	9.46E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

235	6.34E-01	0.96
0	1.52E-01	2.85
0	6.54E-01	1.60
0	8.14E-01	1.26
0	6.38E-01	1.33
0	6.38E-01	1.33
11	9.84E-01	1.00
0	4.63E-01	1.28
2	3.60E-01	1.25
0	7.27E-01	1.23
0	3.81E-01	0.73
0	6.84E-01	1.36
54	3.67E-01	1.11
7	1.04E-01	1.37
0	6.91E-01	0.54
140	3.99E-02	1.22
0	8.87E-01	0.95
3	5.13E-03	1.80
1	9.28E-01	1.05
0	1.76E-01	0.56
0	3.05E-01	1.78
0	9.72E-01	0.96
0	8.42E-01	0.85
0	7.93E-01	0.82
0	7.50E-01	0.79
0	3.19E-01	0.66
0	5.13E-01	0.60
0	1.50E-01	3.54
1	1.32E-01	0.44
0	6.58E-01	0.60
0	1.09E-01	6.79
0	2.41E-01	0.38
0	3.50E-01	2.06
0	3.50E-01	2.06
0	8.13E-02	2.67
0	4.67E-01	0.71
21	2.49E-02	0.70
1919	4.47E-01	0.39
0	9.09E-01	1.05
11	5.05E-01	1.12
0	1.48E-01	0.11
5	7.84E-01	0.94
9	3.91E-01	1.17

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.06E-01	0.66
1	4.13E-01	0.82
0	2.77E-01	3.05
56	2.40E-02	0.76
1	8.85E-01	1.04
0	1.71E-01	0.19
0	6.43E-01	1.46
1	6.24E-01	0.84
0	8.11E-02	0.10
0	9.92E-01	1.01
0	2.08E-02	8.15
0	5.99E-01	1.86
1922	1.00E+00	0.97
1	3.52E-01	0.71
0	5.09E-01	0.49
0	5.98E-01	1.55
0	2.95E-01	1.80
0	4.98E-01	0.51
0	6.04E-01	0.43
7	4.45E-01	1.14
0	2.97E-01	2.28
0	7.49E-01	1.52
239	4.88E-01	0.94
212	2.30E-01	1.12
241	1.93E-01	0.88
28	9.76E-02	0.79
3	8.83E-01	1.04
199	1.77E-01	1.14
0	8.76E-01	1.16
0	7.29E-01	1.42
0	6.24E-01	1.36
891	6.73E-02	1.19
0	7.42E-01	1.37
1256	4.17E-02	1.28
0	2.82E-01	0.59
0	6.89E-01	1.34
0	5.50E-01	1.77
0	3.99E-02	7.78
0	2.84E-01	0.26
0	2.83E-01	0.26
0	8.99E-01	0.93
0	3.03E-01	3.64
0	8.74E-01	1.23

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.60E-01	1.77
0	1.67E-01	0.22
4	9.08E-02	0.67
7	7.45E-01	0.94
0	7.28E-01	0.65
0	4.38E-01	0.54
199	2.86E-01	1.11
1	7.90E-01	0.92
22	3.73E-01	1.13
0	7.80E-01	0.73
1	7.90E-01	0.92
0	2.88E-02	0.22
0	4.48E-02	1.78
0	9.96E-01	1.00
0	3.17E-01	0.32
0	2.67E-01	0.38
0	1.88E-01	2.24
0	3.80E-01	2.21
186	8.14E-01	1.02
0	3.55E-01	0.31
0	1.05E-01	3.46
119	1.17E-01	0.85
0	4.94E-01	1.83
0	1.55E-01	0.25
0	2.79E-01	2.87
0	9.59E-02	4.55
42	1.15E-03	1.49
0	3.33E-01	2.36
0	5.34E-01	1.87
0	3.13E-01	0.35
314	1.78E-01	1.13
0	2.99E-01	0.27
0	5.40E-01	0.43
0	4.58E-01	2.46
0	3.37E-01	0.28
512	8.71E-01	1.01
0	5.68E-01	1.45
839	1.45E-02	1.26
241	3.81E-01	1.09
0	4.73E-01	2.06
0	7.03E-01	0.70
0	7.03E-01	0.64
0	1.83E-03	9.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.50E-01	2.58
1	4.96E-01	0.81
31	7.59E-01	0.96
0	7.62E-01	1.18
0	9.83E-01	1.02
0	1.35E-01	1.52
0	3.84E-01	0.34
0	9.74E-01	0.95
0	4.69E-01	1.91
3	7.49E-02	0.63
1921	2.17E-01	0.08
0	1.90E-01	0.37
0	7.88E-01	0.68
0	7.81E-01	1.18
0	8.78E-01	1.12
0	6.38E-01	1.66
0	5.05E-01	2.05
0	9.87E-01	1.01
0	7.19E-01	0.68
51	7.42E-03	0.70
50	8.81E-03	0.71
0	8.97E-01	1.12
0	8.83E-01	1.20
0	4.08E-01	0.32
0	3.77E-01	1.34
565	4.32E-01	1.07
0	3.40E-01	0.40
44	4.37E-03	0.68
849	4.01E-01	1.08
0	7.88E-01	0.68
0	2.70E-01	0.22
2	1.18E-01	1.50
0	3.00E-01	0.46
0	7.64E-01	0.81
180	3.81E-01	1.09
0	1.65E-01	0.24
0	9.61E-01	1.08
0	3.15E-01	1.52
0	8.83E-01	0.92
169	8.42E-02	0.84
0	8.95E-01	1.10
0	4.44E-01	0.47
64	2.02E-03	0.69

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

18	3.36E-01	1.16
7	9.67E-01	1.01
0	7.18E-01	0.57
0	2.41E-01	2.69
0	8.12E-01	0.71
0	3.52E-01	1.62
0	4.43E-01	0.38
0	3.72E-01	0.38
0	4.72E-01	2.07
1	1.93E-01	0.33
30	6.37E-01	1.07
0	8.12E-01	1.24
22	8.04E-01	1.04
0	5.17E-01	3.05
38	8.81E-01	0.98
1920	6.34E-02	0.10
2	7.28E-01	1.11
0	4.83E-01	1.58
0	1.26E-01	0.17
0	8.76E-01	0.88
1	5.21E-01	1.27
0	9.34E-01	1.06
1	4.80E-01	1.49
4	2.73E-01	1.25
0	8.15E-01	0.86
0	1.41E-01	0.12
1	5.27E-02	0.49
0	3.74E-01	1.80
0	6.53E-01	0.67
615	1.14E-01	0.87
0	2.83E-01	0.67
0	8.57E-01	0.91
0	7.47E-01	1.44
0	2.66E-01	1.80
0	7.06E-01	1.15
0	3.57E-01	0.32
0	9.59E-01	1.04
48	2.12E-02	1.31
48	1.22E-02	1.34
0	6.15E-01	0.63
0	9.62E-01	0.97
0	5.20E-01	1.64
627	3.35E-01	0.92

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.00E-01	0.49
58	2.49E-03	1.41
8	5.06E-01	0.89
39	6.83E-02	0.78
0	2.49E-01	3.53
0	5.48E-01	0.71
0	8.11E-02	2.81
1922	1.00E+00	0.97
39	6.01E-02	0.78
1109	2.70E-02	0.80
1110	2.59E-02	0.80
606	5.22E-01	0.94
0	1.17E-01	4.61
0	9.45E-01	1.11
89	7.53E-01	0.97
0	8.86E-01	1.15
658	2.07E-01	1.13
33	8.80E-01	1.02
8	7.02E-01	0.93
0	1.34E-01	0.19
0	2.76E-01	1.25
0	4.14E-01	1.18
0	5.59E-01	1.13
0	5.67E-01	1.12
0	3.94E-01	1.19
0	2.64E-01	1.26
0	1.04E-02	1.76
3	3.41E-01	1.27
118	2.74E-01	0.89
8	7.08E-01	0.93
8	7.11E-01	0.93
8	7.04E-01	0.93
9	6.94E-01	0.93
8	7.08E-01	0.93
0	3.04E-01	0.54
83	9.62E-01	1.01
8	7.08E-01	0.93
16	1.99E-03	1.56
0	8.94E-01	1.11
119	2.93E-01	0.90
8	7.12E-01	0.93
0	9.95E-01	0.99
1485	6.84E-01	1.06

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.40E-01	1.21
8	7.08E-01	0.93
0	4.07E-01	0.31
0	3.06E-02	1.93
531	2.66E-01	0.90
0	2.08E-01	4.24
8	7.06E-01	0.93
0	7.11E-01	1.48
0	2.87E-01	2.76
1	3.75E-01	0.69
0	9.44E-01	1.03
1921	5.65E-02	0.11
27	2.09E-01	0.84
0	1.51E-01	0.18
10	6.30E-01	0.91
16	2.34E-03	1.54
12	5.62E-01	1.10
12	5.62E-01	1.10
10	6.14E-01	0.91
1921	1.79E-02	0.09
10	6.14E-01	0.91
12	5.62E-01	1.10
10	6.44E-01	0.92
0	2.89E-01	1.87
1922	1.00E+00	0.97
0	5.61E-03	2.25
0	4.17E-01	2.44
12	5.62E-01	1.10
0	2.10E-01	0.44
12	5.54E-01	1.10
5	7.20E-01	0.93
13	3.29E-01	0.85
1922	1.00E+00	0.97
12	5.59E-01	1.10
13	3.28E-01	0.85
27	2.09E-01	0.84
13	3.29E-01	0.85
13	3.48E-01	0.85
0	6.63E-01	1.58
13	3.31E-01	0.85
12	5.64E-01	1.10
1	7.16E-01	0.74
14	3.02E-01	0.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

14	3.02E-01	0.84
12	3.17E-01	0.84
13	3.13E-01	0.84
1	5.52E-01	1.15
14	3.06E-01	0.84
12	6.35E-01	1.08
0	9.51E-01	1.09
0	6.64E-02	0.39
0	4.57E-03	3.91
0	1.86E-01	3.38
28	2.90E-01	0.86
14	2.24E-01	0.81
0	5.69E-01	1.42
14	2.22E-01	0.81
14	2.24E-01	0.81
14	2.24E-01	0.81
0	7.25E-01	0.80
14	2.24E-01	0.81
14	2.24E-01	0.81
1922	1.00E+00	0.97
14	2.24E-01	0.81
14	2.24E-01	0.81
0	7.58E-02	0.10
27	2.85E-01	0.86
14	2.29E-01	0.81
0	6.18E-01	0.65
1	1.59E-01	0.39
0	7.27E-01	1.39
0	8.50E-01	0.92
14	2.29E-01	0.81
84	1.28E-01	0.84
94	5.05E-01	0.93
0	3.23E-01	2.28
0	9.79E-01	0.96
820	8.89E-01	0.99
0	1.06E-01	2.15
0	2.77E-01	1.49
820	9.11E-01	0.99
261	3.23E-01	1.10
261	3.38E-01	1.09
14	2.38E-01	0.82
0	6.20E-01	1.45
0	7.75E-01	0.72

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.75E-01	0.72
14	2.39E-01	0.82
0	3.71E-01	2.55
0	6.80E-01	1.17
0	9.32E-02	4.82
0	4.28E-01	1.73
3	2.62E-01	1.30
261	3.62E-01	1.09
0	1.39E-01	0.39
0	4.39E-01	1.48
149	6.48E-01	0.96
34	1.68E-01	1.19
1045	7.88E-01	0.97
14	2.28E-01	0.81
14	2.38E-01	0.82
0	4.71E-01	0.61
14	2.93E-01	0.83
14	3.56E-01	0.85
0	5.80E-01	1.86
14	3.88E-01	0.86
13	5.22E-02	0.68
1	1.68E-01	1.92
0	1.44E-01	4.26
14	4.48E-01	0.88
1035	6.94E-01	1.04
14	4.48E-01	0.88
0	5.91E-01	2.06
1	8.62E-01	0.95
0	4.22E-01	0.41
108	9.32E-01	0.99
41	8.38E-01	1.03
877	9.47E-01	1.01
0	4.38E-01	0.34
4	6.60E-01	1.09
0	7.63E-01	0.73
0	7.15E-01	1.12
0	4.33E-03	5.20
0	3.92E-01	0.34
193	6.63E-01	0.96
1921	4.95E-01	0.28
0	7.88E-01	0.88
12	4.88E-01	0.89
11	6.91E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

705	6.67E-01	0.96
0	6.65E-01	1.48
29	4.74E-01	1.10
0	9.72E-01	0.95
0	2.36E-01	0.23
5	9.36E-01	0.98
4	9.49E-01	1.01
0	8.10E-01	1.22
0	4.08E-01	0.73
4	9.41E-01	0.99
0	7.03E-01	1.45
4	9.41E-01	0.99
0	7.89E-02	0.12
17	9.87E-01	1.00
557	5.27E-01	1.06
0	3.95E-02	0.26
3	8.82E-01	0.96
0	4.38E-01	2.31
1	4.62E-01	0.35
0	8.24E-01	1.42
3	9.99E-01	1.00
296	3.30E-01	1.09
1	3.13E-01	2.86
21	3.73E-01	0.86
1920	2.32E-01	4.41
0	9.53E-01	1.05
0	2.28E-01	0.34
0	6.63E-01	0.54
0	1.57E-01	0.20
0	6.31E-01	1.86
142	1.38E-01	1.16
0	3.13E-01	2.02
0	4.09E-01	2.36
0	9.33E-02	4.47
0	7.34E-01	1.11
0	1.47E-01	3.64
0	4.81E-01	1.67
0	6.00E-03	0.10
0	9.66E-01	0.94
0	6.22E-03	10.32
0	1.66E-01	0.17
0	6.64E-01	0.54
0	1.77E-01	4.52

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

174	3.43E-01	0.91
174	3.43E-01	0.91
77	2.24E-01	0.87
0	9.29E-01	0.96
2	1.64E-01	1.79
0	2.61E-01	2.76
0	4.55E-01	0.66
5	2.41E-01	0.75
0	5.86E-01	0.63
0	6.84E-01	0.53
155	1.73E-01	0.87
0	8.48E-01	1.11
0	2.98E-01	2.39
24	3.39E-01	1.14
0	6.93E-01	0.79
0	5.11E-01	1.89
322	9.80E-01	1.00
321	8.26E-01	0.98
0	1.24E-01	1.98
0	7.62E-01	0.70
28	3.30E-02	1.32
0	2.06E-01	3.69
1857	6.83E-01	1.15
0	3.12E-01	0.50
287	5.94E-01	0.95
1	6.83E-01	0.87
1	6.60E-01	0.86
0	6.95E-01	0.61
0	5.58E-01	0.45
734	4.09E-01	1.08
1	7.11E-01	0.88
0	4.57E-04	15.21
733	4.46E-01	1.07
0	5.97E-01	0.50
265	4.93E-01	0.94
265	5.18E-01	0.94
265	4.95E-01	0.94
265	5.11E-01	0.94
264	5.18E-01	0.94
0	8.75E-01	0.90
264	4.90E-01	0.94
0	5.22E-01	0.43
3	1.89E-01	0.74

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

92	7.26E-01	1.04
341	1.07E-01	1.16
0	8.53E-01	0.82
1	6.58E-01	0.86
0	5.13E-01	1.24
0	4.23E-01	2.33
0	3.76E-02	2.77
0	8.99E-02	1.96
0	5.65E-01	0.60
0	5.35E-01	0.73
0	7.34E-01	0.67
0	9.89E-02	0.24
1860	6.90E-01	0.88
0	8.42E-01	1.22
0	8.42E-01	1.22
1	9.08E-01	0.97
3	8.11E-01	1.06
0	8.72E-01	1.29
0	8.83E-01	0.92
0	2.00E-01	2.66
0	3.07E-01	2.65
26	3.86E-01	1.13
151	3.48E-01	1.10
0	3.29E-01	0.42
0	7.75E-01	0.69
943	2.81E-01	0.90
129	1.95E-01	1.14
0	5.15E-01	1.49
4	7.93E-01	1.06
0	4.37E-02	0.40
0	4.37E-02	0.40
0	5.40E-01	1.46
128	1.97E-01	1.14
1864	1.50E-02	3.05
0	5.28E-02	0.46
5	4.20E-01	0.84
0	2.93E-02	0.40
0	2.27E-01	0.17
176	3.43E-01	1.10
144	5.25E-01	1.07
0	1.96E-01	2.64
0	5.04E-01	2.08
0	4.72E-01	1.42

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.03E-01	2.68
0	1.11E-01	3.00
1	7.72E-01	0.88
1544	3.35E-02	1.38
0	2.87E-02	0.39
11	2.80E-01	0.82
5	7.50E-01	1.07
0	1.36E-01	0.33
0	6.42E-01	0.53
3	3.58E-01	1.27
0	7.37E-01	1.42
0	7.59E-01	1.16
0	7.02E-01	0.65
6	7.66E-01	0.94
0	4.27E-01	1.90
7	3.20E-01	0.81
0	8.81E-01	0.80
0	4.35E-02	8.60
0	6.78E-01	0.55
2	1.27E-01	0.65
0	3.60E-01	0.29
0	9.35E-01	1.10
54	2.70E-01	0.87
173	3.73E-01	0.92
0	9.06E-01	0.91
0	9.88E-01	0.98
0	2.30E-01	2.90
2	3.33E-02	1.71
712	5.27E-01	1.06
1	5.97E-03	0.36
1	8.15E-01	1.11
0	6.32E-01	1.49
392	6.98E-01	0.97
0	1.52E-01	0.15
1	5.35E-01	0.83
1483	3.48E-01	0.88
0	1.63E-01	0.14
289	9.20E-01	1.01
0	4.45E-01	2.03
426	8.72E-01	1.01
0	5.21E-01	1.47
0	6.69E-01	0.54
0	8.92E-01	1.17

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

15	7.46E-01	0.95
1	1.96E-02	0.26
29	8.36E-01	1.03
0	4.44E-01	1.57
0	7.21E-01	1.20
1295	3.39E-01	0.89
2	3.69E-01	0.75
2	2.26E-02	1.85
4	7.20E-01	1.09
2	3.46E-01	1.25
0	6.41E-01	0.77
11	3.41E-01	1.19
0	6.55E-01	1.36
381	2.35E-01	0.90
0	2.76E-01	0.33
0	4.72E-01	0.79
127	7.49E-01	0.97
204	7.91E-02	1.18
11	2.71E-02	0.66
0	2.94E-01	2.75
0	9.95E-01	1.01
51	5.24E-01	1.08
0	4.97E-01	0.55
480	6.64E-01	1.04
782	4.65E-01	1.07
14	1.34E-01	0.79
0	5.72E-02	0.42
5	9.20E-01	1.02
0	7.93E-01	0.85
0	1.69E-01	2.24
19	2.55E-01	1.17
1426	2.97E-01	0.87
1396	3.09E-01	0.88
0	2.87E-01	1.77
0	2.28E-01	2.49
0	8.65E-01	0.78
0	5.91E-01	1.31
0	9.30E-01	0.88
0	5.25E-01	0.40
0	5.49E-01	1.35
6	2.93E-02	0.61
0	9.96E-01	0.99
0	1.19E-01	0.23

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.56E-01	1.58
1	8.75E-01	0.95
48	8.49E-01	1.02
182	9.70E-02	1.17
0	5.55E-01	0.43
791	4.27E-01	1.08
0	7.64E-01	1.25
0	6.69E-01	0.68
205	1.03E-01	0.85
0	2.79E-01	3.21
0	7.83E-01	0.85
0	3.12E-01	0.75
0	9.87E-01	0.99
0	5.46E-01	2.74
0	1.28E-01	2.01
3	5.17E-01	1.22
0	3.12E-01	0.75
7	2.58E-01	1.27
0	3.12E-01	0.75
1	6.89E-01	0.85
0	3.12E-01	0.75
0	3.12E-01	0.75
0	1.92E-01	4.16
0	5.23E-01	1.94
0	5.12E-02	5.07
0	6.80E-01	1.28
0	2.37E-02	0.20
264	1.87E-01	0.88
264	2.58E-01	0.90
0	5.82E-01	0.62
0	3.12E-01	0.23
0	8.24E-01	0.81
0	4.37E-01	0.36
0	2.59E-02	0.05
0	5.52E-01	1.43
0	9.03E-01	0.93
0	6.69E-03	6.61
0	8.95E-01	0.87
0	5.57E-02	6.06
0	8.94E-01	1.13
1	5.06E-02	0.53
0	2.04E-02	0.21
0	3.20E-01	0.53

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

81	3.04E-01	1.12
1	4.45E-01	0.68
0	4.82E-01	0.57
1	2.51E-01	1.33
8	1.60E-01	0.76
0	1.82E-01	0.25
0	4.83E-01	0.38
0	6.27E-01	1.34
8	1.79E-01	0.77
0	4.45E-01	0.47
0	6.48E-01	0.71
0	6.55E-01	1.41
0	3.38E-01	1.94
0	3.55E-01	0.66
0	8.23E-02	5.02
1238	3.91E-02	0.80
565	4.27E-02	0.83
228	6.80E-01	1.04
1361	9.48E-01	0.99
0	3.28E-01	2.10
0	7.04E-01	1.23
260	3.69E-01	0.92
262	3.49E-01	0.91
0	6.32E-01	1.27
0	7.04E-01	1.23
0	6.99E-01	0.71
0	6.00E-01	0.88
0	7.04E-01	1.23
0	8.83E-01	1.27
19	8.13E-02	0.73
622	2.97E-01	0.91
0	8.70E-01	1.28
0	9.11E-03	14.38
0	1.90E-01	0.49
0	8.03E-01	1.14
3	4.11E-02	0.63
0	3.20E-01	0.62
0	5.90E-01	1.60
1263	7.58E-01	0.97
0	4.63E-01	0.67
0	1.83E-01	4.64
0	6.64E-01	0.61
0	8.71E-01	0.83

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.43E-01	1.16
0	9.61E-01	1.05
1	4.50E-01	0.69
0	5.72E-01	0.43
11	9.01E-01	1.02
0	6.49E-01	0.52
0	2.76E-01	2.18
60	7.91E-01	1.03
2	3.81E-01	0.68
0	5.58E-01	0.69
9	7.97E-01	0.96
0	5.66E-01	1.55
0	8.84E-01	1.30
0	3.99E-01	0.76
0	7.94E-01	1.10
0	2.66E-01	3.03
46	6.88E-01	0.95
0	3.87E-03	4.93
2	2.40E-01	1.44
51	2.80E-01	0.87
2	7.81E-01	0.90
0	8.18E-01	0.87
1	4.43E-01	0.56
0	5.65E-01	1.41
261	9.96E-01	1.00
0	1.91E-01	3.75
0	2.33E-01	0.56
0	5.57E-01	0.45
0	2.15E-01	4.02
3	4.45E-01	0.79
0	2.42E-01	0.53
0	9.07E-01	1.10
0	5.36E-01	1.75
0	4.64E-01	0.35
0	2.48E-01	1.82
0	7.40E-01	1.33
0	4.96E-01	0.36
0	1.75E-01	0.16
0	2.61E-01	2.39
0	7.04E-01	0.63
0	9.50E-01	0.95
0	7.50E-01	1.38
0	5.01E-01	0.55

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.49E-01	1.35
0	4.65E-01	2.44
1906	9.49E-01	1.05
2	5.77E-01	1.22
0	5.98E-01	0.57
0	1.41E-02	11.67
0	9.82E-02	5.29
0	2.75E-01	0.19
0	8.85E-01	0.94
0	9.58E-01	1.03
1922	1.00E+00	0.97
0	7.67E-01	1.31
0	2.29E-01	0.31
5	9.26E-01	1.02
0	3.39E-01	1.79
0	4.61E-01	0.47
0	1.73E-01	0.63
12	8.50E-01	0.97
1	2.01E-02	2.39
0	8.40E-01	0.88
0	7.66E-01	0.64
5	1.90E-01	0.78
0	1.92E-02	9.01
0	7.75E-01	1.30
0	6.95E-01	1.40
0	1.59E-01	0.62
0	7.50E-01	0.75
0	6.36E-01	0.52
0	4.57E-01	0.63
0	6.40E-01	0.53
385	9.46E-01	1.01
1	5.78E-01	0.81
0	7.38E-01	0.63
18	1.57E-01	1.24
0	9.21E-02	3.25
0	1.26E-03	0.07
0	4.58E-01	1.74
251	4.63E-01	0.93
328	5.96E-01	0.95
252	4.53E-01	0.93
345	7.53E-01	1.03
0	3.91E-01	1.88
1147	6.07E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.54E-01	1.51
44	5.99E-01	1.07
0	6.78E-01	1.76
3	1.96E-01	0.72
3	8.68E-01	0.96
1	5.32E-01	1.18
1919	5.36E-01	2.48
0	8.36E-01	1.12
0	5.17E-01	3.91
0	3.75E-01	2.85
0	9.39E-01	0.94
2	7.54E-01	0.86
0	4.47E-01	0.46
13	4.34E-01	1.14
1922	1.00E+00	0.97
1	6.89E-02	4.13
0	1.59E-01	3.93
0	1.39E-01	6.20
0	2.34E-01	0.38
0	4.04E-01	0.50
0	2.74E-01	0.36
0	4.04E-01	0.50
1922	1.00E+00	0.97
221	4.12E-02	0.82
4	2.09E-01	1.30
3	9.87E-02	0.68
30	2.67E-03	1.47
0	9.85E-01	0.96
0	7.87E-01	0.81
0	7.22E-01	0.60
0	1.06E-01	0.12
0	9.94E-01	0.99
0	4.30E-01	0.59
36	1.59E-03	1.49
0	4.23E-01	0.61
821	9.84E-02	1.17
0	4.03E-01	0.34
0	8.31E-01	1.21
819	7.17E-02	1.19
0	4.63E-01	1.53
1	8.79E-01	0.96
1914	3.19E-01	2.57
1	6.85E-01	0.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.97E-01	0.49
0	7.16E-02	3.46
0	7.15E-02	3.46
1915	5.09E-01	2.18
0	7.80E-01	1.38
1870	6.67E-02	2.08
0	8.50E-01	1.15
414	8.50E-01	0.98
1920	5.29E-02	22.36
0	4.40E-01	1.58
144	4.80E-01	1.07
0	8.76E-01	0.83
0	8.10E-01	1.09
0	6.53E-01	0.79
0	7.44E-01	1.36
0	5.22E-02	11.12
3	1.11E-01	0.66
0	3.56E-01	2.01
403	1.20E-01	0.87
0	5.47E-01	0.65
0	8.13E-01	0.78
157	3.45E-01	0.91
0	3.46E-03	12.08
0	6.55E-01	0.53
0	8.66E-01	0.92
0	9.90E-01	1.02
0	9.52E-01	1.07
0	2.46E-01	0.53
125	8.41E-01	0.98
0	2.00E-01	2.55
0	5.66E-01	1.77
0	1.96E-01	3.21
0	9.92E-01	0.99
0	7.98E-01	1.48
129	2.80E-01	0.89
0	2.33E-01	0.24
0	9.73E-01	0.97
0	2.03E-01	2.70
1	7.36E-02	0.51
0	6.76E-01	0.77
0	7.29E-01	0.80
0	7.55E-01	1.65
0	8.57E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

21	7.13E-01	1.06
0	7.66E-01	0.82
0	1.19E-01	6.04
0	5.83E-01	1.76
0	8.17E-01	1.25
0	8.73E-02	0.12
0	6.25E-01	2.93
0	7.75E-04	4.97
0	9.36E-01	1.03
0	5.81E-01	0.84
0	6.19E-01	1.32
0	1.38E-01	2.52
0	4.50E-01	1.69
0	8.70E-01	1.31
0	7.78E-01	0.86
11	4.60E-01	0.88
0	3.16E-01	2.15
0	4.18E-01	2.31
2	3.42E-01	1.36
0	4.14E-02	6.46
0	9.00E-01	0.94
0	3.35E-01	2.71
0	6.21E-01	0.61
0	9.99E-01	1.00
0	3.02E-01	3.08
5	9.46E-01	1.01
2	6.02E-01	0.85
0	5.76E-01	0.72
0	2.21E-01	0.21
0	5.37E-01	0.48
1	1.66E-01	0.43
0	7.89E-01	0.85
1	5.17E-01	0.57
0	5.41E-01	2.15
0	3.33E-01	1.63
0	7.39E-01	0.62
0	3.15E-01	2.15
0	2.45E-01	2.49
1916	5.36E-01	2.08
0	1.21E-01	0.11
0	4.32E-01	0.73
0	7.41E-01	1.28
0	9.70E-01	1.03

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.07E-01	2.44
643	2.88E-01	1.10
0	7.93E-01	0.87
231	1.13E-01	0.86
159	8.98E-01	0.99
0	7.83E-01	0.73
0	3.49E-01	1.92
0	1.28E-01	0.18
1574	3.53E-01	0.87
1922	1.00E+00	0.97
1574	3.86E-01	0.88
0	1.66E-01	3.74
8	3.64E-01	0.84
0	6.08E-01	1.30
0	1.16E-01	3.36
0	5.52E-01	1.68
0	4.21E-01	1.64
0	9.11E-01	1.19
0	5.55E-01	1.64
0	6.41E-01	1.30
1922	1.00E+00	0.97
0	8.95E-01	0.87
0	4.53E-02	3.41
0	5.11E-01	0.40
392	7.55E-01	0.97
181	5.55E-01	1.06
0	1.50E-01	2.64
2	2.45E-01	0.78
0	4.35E-02	4.94
0	9.42E-02	4.07
0	1.04E-01	1.88
0	4.84E-01	0.39
1	4.41E-01	1.36
0	7.60E-01	1.13
0	4.58E-01	0.50
0	4.51E-01	2.13
0	6.11E-02	5.53
1	2.64E-01	0.65
28	3.96E-01	1.12
0	3.60E-01	0.51
0	9.13E-01	0.94
13	4.41E-02	0.70
0	7.11E-01	0.66

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.63E-01	0.91
1341	8.58E-02	1.24
129	2.27E-01	1.13
0	1.83E-01	3.01
212	4.68E-01	0.93
130	2.43E-01	1.13
119	3.05E-01	1.11
0	2.34E-02	0.06
0	9.22E-01	0.91
0	3.05E-01	0.27
0	8.13E-01	0.74
182	2.86E-01	1.11
0	5.38E-02	0.06
174	3.94E-01	0.92
45	7.65E-01	0.96
63	7.62E-01	0.97
0	6.98E-01	1.56
1886	7.44E-01	1.16
0	9.14E-01	1.07
315	1.92E-01	1.13
0	6.02E-01	1.38
56	6.51E-01	0.95
1	8.04E-01	0.93
19	9.00E-01	0.98
0	3.81E-01	2.04
0	4.62E-01	1.58
3	5.96E-01	0.89
0	5.18E-01	1.65
0	5.27E-02	3.42
12	7.39E-01	1.06
0	8.71E-01	1.25
0	7.70E-01	0.82
0	7.11E-01	1.36
0	3.01E-01	0.39
0	3.48E-03	2.17
0	6.35E-02	2.51
0	2.79E-01	3.23
0	9.64E-01	0.94
0	8.41E-01	0.81
1051	9.14E-01	0.99
1922	1.00E+00	0.97
0	9.38E-01	1.08
8	4.94E-01	1.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.22E-01	3.56
0	9.63E-01	0.95
0	6.45E-01	0.75
31	9.55E-01	1.01
1	9.39E-01	0.98
0	2.48E-01	2.52
0	1.82E-01	0.35
1	1.79E-01	0.67
0	7.71E-01	1.58
0	9.57E-01	1.04
0	4.01E-01	1.82
1	7.49E-01	0.92
0	8.86E-01	1.12
0	5.82E-01	0.71
0	8.65E-01	0.90
0	1.52E-01	5.05
0	4.01E-01	0.48
0	8.69E-01	1.17
0	2.94E-01	2.27
0	6.92E-01	0.58
1	4.19E-01	1.34
4	2.84E-01	1.22
0	9.86E-01	0.98
1	8.58E-01	0.91
0	7.95E-01	0.82
130	6.37E-01	1.05
0	5.12E-01	0.44
1643	6.43E-01	1.08
100	1.39E-01	0.85
0	9.44E-01	1.08
0	4.04E-01	0.51
20	5.32E-01	0.91
0	9.62E-01	1.06
0	1.85E-01	2.35
0	2.84E-01	0.39
0	5.06E-01	1.91
0	8.92E-01	0.88
0	9.03E-01	0.89
0	4.71E-01	0.71
0	5.63E-01	1.81
0	9.48E-01	0.94
0	3.56E-01	0.26
0	6.78E-01	1.24

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.65E-01	0.49
0	9.50E-01	0.94
10	8.02E-01	0.96
23	2.41E-01	0.84
0	9.57E-01	0.95
0	8.81E-01	0.91
316	5.60E-01	0.95
0	8.55E-01	1.18
1	6.49E-01	0.84
0	9.84E-01	1.01
2	6.00E-01	0.87
0	9.83E-01	0.98
0	9.81E-01	0.99
1	3.38E-01	1.41
0	6.98E-01	0.76
0	2.43E-01	0.17
0	2.22E-01	3.84
30	6.19E-01	0.94
4	8.94E-01	1.03
909	6.65E-02	0.84
0	5.57E-01	1.57
30	9.69E-01	1.01
0	4.03E-02	0.11
0	6.59E-01	1.29
747	8.67E-01	1.02
0	6.33E-02	0.23
0	2.76E-01	0.62
1	5.97E-01	1.42
0	3.87E-01	2.30
0	9.02E-01	1.14
151	8.61E-01	1.02
0	6.80E-01	0.69
14	1.51E-01	0.77
0	3.02E-01	1.73
0	9.50E-01	0.95
0	1.10E-01	0.26
0	9.84E-01	1.02
0	5.31E-02	0.47
0	6.72E-01	0.60
0	2.70E-01	0.59
1	1.60E-01	0.64
15	2.79E-01	0.84
1922	1.00E+00	0.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	9.57E-01	1.01
0	3.93E-01	2.45
0	5.20E-01	0.37
0	6.82E-02	4.07
0	6.79E-02	4.08
1011	7.43E-01	0.97
0	2.67E-01	1.95
0	1.10E-01	3.49
2	7.43E-01	0.90
408	3.58E-01	0.92
0	9.84E-01	0.97
0	4.88E-01	0.52
0	9.87E-01	0.98
0	6.67E-01	1.56
0	7.11E-01	0.59
0	3.29E-01	0.28
0	5.35E-01	0.63
0	4.94E-01	1.74
0	5.54E-02	0.10
4	2.45E-01	0.70
0	3.33E-02	5.29
1044	3.78E-01	1.10
0	2.56E-01	3.13
0	7.03E-01	2.07
6	5.51E-01	0.89
0	3.36E-01	3.30
194	4.28E-01	1.08
0	5.04E-01	1.57
0	8.91E-01	0.85
0	9.33E-01	1.11
418	6.56E-02	0.85
418	6.56E-02	0.85
417	9.02E-02	0.86
0	2.85E-01	0.56
0	6.28E-01	1.25
0	4.22E-01	2.90
418	4.22E-01	0.93
0	5.92E-01	0.63
269	3.14E-01	0.91
271	3.32E-01	0.91
246	2.84E-01	0.90
0	7.06E-01	1.32
0	4.71E-01	1.21

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

12	4.78E-01	0.89
0	1.12E-02	3.48
0	1.12E-02	3.48
0	7.76E-01	1.54
0	9.59E-01	0.98
0	7.84E-01	1.42
1	1.19E-01	0.59
0	8.25E-02	0.37
145	8.39E-03	1.30
0	7.58E-01	0.63
0	1.63E-02	6.86
0	9.66E-01	1.02
115	9.21E-01	1.01
0	5.27E-01	1.17
0	8.63E-01	1.31
0	8.11E-02	1.63
117	8.47E-01	1.02
51	2.99E-03	0.67
0	1.99E-01	2.48
0	6.24E-01	0.62
1	6.58E-01	0.75
1	4.40E-01	0.77
0	6.83E-01	1.43
93	2.25E-01	0.88
1	1.93E-01	1.47
1	5.09E-01	0.80
1786	7.63E-01	0.94
1	6.85E-01	0.90
0	1.70E-01	4.55
1221	9.02E-01	0.99
1	4.95E-01	2.03
0	2.35E-02	9.46
1	8.30E-01	1.20
0	6.62E-01	1.61
0	4.76E-01	3.48
0	3.51E-01	2.58
0	5.90E-01	1.82
0	2.47E-01	0.49
0	4.33E-01	0.69
0	3.01E-01	3.23
0	2.98E-01	1.86
55	4.42E-02	0.79
0	3.59E-01	1.87

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	1.57E-01	0.64
0	2.87E-01	2.35
262	4.11E-02	0.83
1	7.50E-02	1.68
475	1.91E-02	0.80
0	1.03E-01	3.76
0	1.79E-01	0.44
2	2.18E-01	0.71
0	6.45E-01	0.76
0	6.08E-01	1.29
912	2.00E-01	0.89
0	9.83E-01	1.01
0	2.59E-01	0.32
0	7.13E-01	1.38
4	7.56E-01	1.09
0	5.43E-01	1.56
0	1.83E-02	3.84
0	1.84E-01	2.00
1	2.05E-01	1.65
0	3.36E-01	0.25
0	1.44E-01	0.61
0	5.63E-01	1.59
1	1.17E-01	0.50
0	5.67E-01	0.56
0	6.11E-01	0.64
1	5.67E-01	0.77
0	1.43E-01	0.60
5	6.06E-01	1.15
0	4.35E-01	1.55
0	7.06E-01	1.39
2	5.64E-01	1.13
1	6.81E-01	0.76
0	5.93E-01	2.45
0	8.70E-01	1.14
40	3.58E-01	1.13
0	5.68E-01	1.73
0	1.54E-01	0.15
0	4.70E-01	0.78
0	5.91E-01	1.74
1	2.19E-01	1.52
0	8.15E-01	1.07
0	5.58E-01	1.37
23	3.18E-01	1.16

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.86E-01	1.69
0	5.59E-01	1.94
0	9.82E-01	0.98
218	2.97E-01	0.90
0	5.06E-01	1.39
1	2.49E-02	2.08
1	9.73E-02	1.77
898	3.60E-01	0.91
0	8.13E-01	0.72
1	9.12E-01	0.97
0	8.81E-01	0.84
0	2.15E-02	3.05
0	4.42E-01	2.54
0	3.27E-01	2.30
4	4.01E-01	1.21
1310	2.08E-01	1.17
274	1.43E-01	1.15
0	8.73E-01	1.18
0	9.22E-01	0.89
0	2.81E-01	2.10
0	8.23E-01	1.17
27	4.43E-01	0.89
2	1.42E-01	1.38
1	4.28E-01	0.74
0	9.22E-01	0.91
27	4.78E-01	0.90
0	5.65E-01	0.75
0	6.55E-01	0.79
1408	4.09E-01	0.90
0	2.49E-02	3.59
1448	2.78E-01	0.87
0	1.66E-02	4.12
3	3.23E-01	1.21
0	8.40E-01	1.09
0	9.17E-01	1.11
0	2.59E-01	0.45
0	5.21E-01	0.74
1245	2.96E-01	1.13
0	1.97E-01	4.22
0	3.22E-01	0.25
0	3.48E-01	0.36
0	7.40E-01	0.77
0	2.78E-01	3.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.30E-01	1.20
1	9.14E-01	0.98
0	9.85E-01	0.98
0	6.18E-01	0.77
0	9.17E-01	1.18
172	8.39E-02	0.84
172	9.21E-02	0.84
1185	3.59E-01	1.11
1876	5.90E-01	0.80
1876	5.90E-01	0.80
0	3.21E-01	0.54
0	2.83E-02	10.69
0	5.46E-02	4.77
0	2.42E-01	1.73
1	7.95E-01	0.90
10	6.06E-02	1.37
12	1.56E-02	1.43
0	3.37E-01	2.48
0	4.56E-01	1.30
0	1.16E-01	5.88
0	2.38E-02	2.56
0	4.00E-01	2.20
1918	2.20E-01	0.28
0	1.29E-01	0.16
0	5.72E-01	1.43
0	8.01E-01	1.16
814	5.31E-01	1.06
18	4.65E-01	1.13
13	7.16E-01	1.06
0	6.20E-01	0.58
0	4.39E-01	1.52
0	7.22E-01	1.17
0	8.30E-01	1.14
159	2.71E-01	0.90
0	5.17E-01	1.64
0	4.89E-01	0.66
105	8.55E-01	0.98
0	2.65E-01	1.96
0	9.94E-01	0.99
0	5.28E-01	0.68
0	1.14E-01	6.24
0	2.96E-01	0.26
0	9.39E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

20	8.73E-01	1.02
82	2.40E-01	0.88
0	4.49E-01	0.67
0	5.51E-01	0.69
0	3.56E-01	0.30
11	4.14E-01	0.87
150	1.64E-01	0.87
0	4.74E-01	0.47
0	1.85E-01	3.18
307	8.87E-01	0.99
0	4.76E-01	2.07
1	8.58E-01	1.06
0	5.76E-01	1.85
314	9.82E-02	0.86
0	1.98E-01	0.20
27	7.81E-02	0.77
0	9.39E-01	0.93
0	6.26E-01	0.87
0	4.96E-01	2.10
1	4.89E-01	1.23
0	6.51E-01	0.50
0	8.29E-01	0.93
0	4.88E-01	0.39
76	4.25E-01	1.10
0	6.28E-02	4.27
0	5.16E-01	0.65
0	4.77E-01	0.64
0	2.28E-01	0.53
14	2.31E-01	0.83
0	4.80E-01	0.65
20	7.63E-01	0.96
47	7.38E-01	0.96
0	3.13E-01	2.90
0	5.12E-01	1.27
0	8.71E-01	1.15
21	8.95E-01	0.98
1	9.51E-01	1.02
1886	2.51E-01	1.64
0	7.73E-01	1.48
0	7.36E-01	0.68
0	5.50E-01	1.96
0	8.34E-01	0.94
7	4.34E-01	1.18

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

7	4.33E-01	1.18
7	4.40E-01	1.18
1	6.66E-01	0.85
0	5.89E-01	0.70
0	3.21E-01	2.59
0	3.21E-01	2.59
0	3.87E-01	1.36
5	9.18E-01	1.02
0	2.75E-01	0.35
1	6.81E-01	0.85
11	3.64E-01	1.17
88	8.63E-01	1.02
1	7.40E-01	0.89
0	9.00E-01	0.93
391	5.86E-01	1.05
392	5.88E-01	1.05
0	7.52E-01	1.30
0	2.01E-01	3.32
0	3.92E-01	2.43
1	2.39E-01	2.96
0	9.41E-01	1.03
778	6.41E-01	1.05
159	8.74E-01	1.02
0	9.48E-01	0.90
398	7.88E-01	1.02
0	6.13E-01	1.16
845	4.77E-01	0.93
1336	9.60E-01	0.99
8	2.03E-01	1.26
6	6.72E-02	0.67
2	9.47E-01	1.02
0	7.33E-01	1.39
503	7.55E-01	0.97
0	3.15E-01	2.06
615	3.16E-01	0.91
5	1.14E-01	0.70
0	8.94E-01	0.86
0	7.35E-01	1.34
0	7.36E-03	8.34
0	4.22E-01	0.34
2	3.78E-01	0.76
32	7.29E-01	1.05
50	1.35E-01	0.83

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	6.91E-01	1.11
0	9.23E-01	0.91
1	3.70E-01	1.34
0	6.13E-01	0.65
0	9.13E-01	1.16
0	9.79E-01	1.03
0	7.58E-01	1.44
0	7.96E-01	0.75
10	2.51E-01	0.80
0	1.42E-01	0.11
26	7.35E-01	1.05
0	1.86E-02	0.16
0	9.64E-01	1.03
1	9.11E-01	1.04
0	7.43E-01	0.71
0	8.96E-01	0.83
0	8.25E-02	6.43
27	6.15E-01	1.07
5	9.58E-01	1.01
0	4.34E-01	2.22
0	4.07E-01	2.19
0	2.78E-01	0.24
1281	7.91E-02	0.82
0	7.49E-01	0.78
0	6.58E-01	0.54
0	9.83E-02	4.77
0	7.95E-01	0.88
238	1.01E-01	0.85
1	7.87E-01	0.91
6	9.34E-01	1.02
20	9.02E-02	0.78
1	3.23E-01	1.79
0	6.50E-01	0.59
0	4.64E-01	0.49
0	3.62E-01	2.34
0	2.12E-02	5.82
0	8.74E-01	0.84
376	4.87E-01	1.07
422	5.00E-02	0.84
7	5.44E-01	0.87
0	4.88E-01	0.52
0	6.62E-01	1.21
0	5.63E-01	1.71

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.43E-01	1.79
75	8.87E-01	0.98
0	7.13E-01	1.27
0	2.35E-01	0.17
0	3.19E-01	1.84
0	2.96E-01	2.31
220	5.16E-01	0.94
0	6.12E-01	1.75
0	6.75E-02	4.86
1	2.21E-01	1.44
1	1.50E-01	1.52
94	7.23E-01	1.04
4	9.32E-01	0.97
0	9.14E-01	1.11
0	8.60E-01	1.14
0	5.27E-01	1.98
0	3.71E-01	2.32
0	8.29E-01	0.86
0	1.45E-01	3.49
0	6.85E-01	1.11
20	8.10E-01	0.96
0	8.98E-02	8.76
1	4.67E-01	1.30
590	4.86E-01	0.94
36	6.43E-01	1.06
0	6.97E-01	1.15
0	2.47E-01	3.51
0	7.50E-01	1.37
1	6.67E-01	1.27
0	9.82E-02	0.26
0	1.59E-01	0.48
1	4.61E-01	1.31
0	3.75E-01	0.30
3	9.82E-01	0.99
0	7.51E-02	5.06
0	7.00E-01	1.89
0	1.60E-01	0.29
0	2.13E-02	8.23
0	7.77E-01	0.82
35	1.47E-01	1.21
0	4.86E-01	1.45
0	9.37E-01	0.92
0	9.33E-01	1.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	3.91E-01	1.65
0	5.68E-01	0.71
0	4.97E-02	3.05
0	1.45E-01	3.49
0	9.95E-01	1.00
3	8.62E-01	0.95
0	3.04E-01	3.42
0	3.04E-01	3.42
1920	5.57E-01	0.35
0	1.87E-01	2.99
121	3.72E-01	1.10
0	3.81E-01	1.59
0	4.93E-01	2.25
0	4.17E-01	2.60
0	7.25E-01	1.14
364	8.88E-01	1.01
2	6.35E-01	0.88
0	3.81E-01	0.64
2	7.31E-01	0.91
66	4.04E-01	1.10
431	8.09E-01	1.02
0	9.32E-01	1.06
0	6.79E-01	1.59
0	5.44E-01	0.42
0	9.94E-01	1.01
0	7.89E-02	5.60
0	9.07E-01	0.90
0	1.34E-01	4.11
0	1.68E-02	11.60
0	1.89E-01	0.16
1	1.30E-01	0.51
4	7.71E-01	1.08
0	9.59E-01	1.09
0	9.14E-01	1.12
0	3.68E-01	0.30
0	3.62E-01	1.47
0	5.77E-01	1.38
219	8.02E-01	0.98
0	6.40E-01	0.69
0	5.46E-01	0.78
0	1.63E-01	4.73
1329	4.28E-01	0.91
0	3.31E-01	2.88

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.46E-01	0.78
0	5.01E-01	1.33
227	8.17E-01	0.98
0	4.70E-01	0.74
245	9.43E-01	0.99
248	9.40E-01	1.01
18	3.55E-01	1.15
0	3.63E-01	2.51
0	5.42E-02	4.39
0	7.81E-01	0.84
0	3.14E-02	3.14
6	8.92E-01	1.03
1853	4.44E-01	0.79
0	3.33E-01	0.61
0	7.08E-01	1.33
1919	9.68E-01	0.96
1004	5.30E-01	1.07
1922	1.00E+00	0.97
1922	1.00E+00	0.97
0	9.45E-01	1.03
0	1.18E-02	4.22
475	7.03E-01	1.03
1	4.60E-01	0.77
0	7.47E-01	0.88
67	5.23E-01	0.93
0	4.75E-01	2.03
0	9.03E-01	0.97
887	8.78E-01	1.02
1	3.51E-01	0.77
0	7.15E-01	0.66
82	2.91E-01	0.88
0	1.35E-01	3.40
1	9.62E-01	0.98
0	8.69E-01	0.74
811	9.47E-01	0.99
0	7.31E-01	0.76
0	8.92E-01	0.88
22	8.97E-01	0.98
0	3.67E-01	0.38
0	3.96E-01	0.51
0	7.11E-01	1.33
0	7.75E-01	0.66
0	2.20E-01	3.72

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.00E-01	0.37
204	5.55E-01	0.94
0	7.04E-01	0.78
2	8.70E-01	1.05
0	6.80E-01	0.74
0	9.05E-01	0.87
205	7.58E-01	1.03
0	4.93E-01	1.47
0	1.27E-01	0.28
202	5.89E-01	1.05
0	4.03E-01	0.60
411	6.54E-01	1.04
1	7.11E-01	0.87
0	9.65E-01	1.07
296	9.53E-01	0.99
0	9.44E-01	0.92
0	4.79E-01	0.37
0	1.77E-01	0.15
0	9.96E-01	1.00
1	2.36E-01	1.51
0	2.89E-01	0.49
6	5.92E-01	1.10
0	9.28E-01	0.97
1	1.36E-01	0.37
0	8.58E-01	0.91
0	6.76E-02	8.88
6	7.48E-01	1.06
12	9.35E-01	1.01
0	6.10E-01	0.58
67	6.18E-01	1.06
0	7.62E-01	1.63
1481	7.83E-02	0.80
0	8.66E-01	1.20
0	9.75E-01	0.97
0	9.80E-01	1.02
52	1.91E-01	0.85
0	7.71E-01	1.16
0	8.31E-01	0.81
0	7.46E-01	1.70
0	8.70E-01	0.89
0	8.62E-01	1.13
1	7.17E-01	0.79
0	9.80E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.89E-01	1.13
0	8.97E-01	1.12
0	4.50E-01	2.10
0	5.26E-01	0.41
0	5.51E-01	1.81
0	4.14E-01	0.52
96	4.65E-01	0.92
1	5.46E-01	0.53
0	8.85E-01	0.87
189	6.20E-01	1.05
580	7.75E-01	1.03
0	2.14E-01	0.21
0	8.68E-01	0.72
129	7.34E-01	1.04
0	3.81E-01	2.41
0	3.67E-01	0.73
0	5.19E-01	1.43
0	1.32E-02	13.93
68	8.70E-01	1.02
0	7.34E-01	1.30
0	4.27E-01	2.28
0	4.27E-01	2.28
5	3.91E-01	1.20
256	5.79E-01	0.95
0	6.71E-02	8.39
0	4.33E-01	0.53
0	5.87E-01	1.43
1768	2.17E-01	0.76
0	5.72E-01	1.73
0	3.68E-01	0.32
46	1.45E-01	0.83
1135	5.69E-01	1.06
0	5.93E-01	0.76
639	8.26E-02	1.17
0	4.87E-02	7.21
0	5.83E-01	2.98
0	3.15E-01	2.93
0	5.40E-01	0.57
0	2.81E-01	2.74
0	7.17E-01	0.60
53	3.24E-01	0.89
0	5.55E-01	1.50
0	9.78E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.72E-01	0.76
0	5.37E-01	1.59
0	7.66E-01	0.65
0	4.43E-01	0.34
0	7.59E-01	0.78
0	8.48E-02	3.87
46	1.17E-01	0.81
0	2.47E-01	1.78
0	5.00E-01	0.57
45	5.33E-02	0.77
0	8.74E-01	0.91
0	5.19E-02	4.46
0	3.77E-01	2.01
1	2.05E-01	2.43
0	4.57E-01	2.02
0	7.53E-01	1.18
0	7.53E-01	1.18
0	5.12E-01	0.41
1	6.24E-01	1.26
0	9.66E-01	1.04
0	4.93E-01	1.50
1922	1.00E+00	0.97
0	7.19E-01	0.66
0	9.83E-01	1.03
0	2.85E-01	0.41
0	7.96E-01	0.75
363	8.04E-01	0.98
0	3.57E-02	4.10
0	1.02E-01	7.00
0	9.84E-01	1.03
7	8.49E-01	0.96
0	5.44E-01	0.67
0	2.00E-01	1.71
323	9.88E-01	1.00
0	9.13E-01	0.95
0	1.66E-01	4.15
510	9.64E-01	1.00
0	4.67E-01	2.36
0	1.99E-01	1.86
0	8.50E-01	1.17
502	9.70E-01	1.00
0	4.94E-01	2.26
541	5.29E-01	0.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.97E-01	1.25
111	5.83E-01	1.06
0	4.30E-01	0.33
0	7.29E-02	0.13
0	4.89E-01	0.54
0	7.25E-01	0.73
1	1.35E-02	1.65
2	7.69E-01	0.89
0	8.20E-01	1.27
0	3.02E-01	1.65
0	6.71E-01	1.39
0	7.86E-01	0.70
13	2.12E-01	1.25
1641	6.83E-01	0.94
0	3.72E-01	0.31
0	9.51E-02	0.46
0	2.17E-01	1.91
0	8.57E-01	0.77
0	3.19E-01	3.24
0	3.43E-01	1.74
1504	4.73E-01	0.91
1211	8.24E-01	1.02
650	1.37E-01	1.14
35	6.22E-01	1.07
0	6.44E-01	0.60
0	6.00E-01	1.60
4	1.33E-01	0.71
1	5.31E-02	0.23
0	2.53E-01	3.84
1	1.58E-01	0.56
324	8.49E-01	0.98
0	7.73E-02	4.83
99	5.74E-02	1.22
0	8.81E-01	1.13
0	6.50E-01	1.21
1886	7.48E-01	0.84
0	8.53E-02	7.36
4	1.66E-01	1.43
0	4.43E-01	0.35
4	5.65E-01	0.88
0	9.08E-02	0.11
1922	1.00E+00	0.97
0	8.19E-01	1.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.13E-01	1.33
0	4.16E-01	2.46
1	4.75E-01	1.47
1922	1.00E+00	0.97
0	6.22E-01	1.39
0	3.20E-01	2.23
0	7.31E-01	0.69
0	2.35E-01	0.22
0	4.92E-01	0.55
0	8.72E-01	1.12
200	6.59E-01	0.96
1031	6.31E-01	0.95
1	7.98E-01	0.93
0	2.36E-01	3.88
0	5.59E-01	0.52
0	9.21E-01	0.86
0	2.74E-01	2.55
0	6.19E-01	1.46
0	9.20E-01	0.88
0	5.65E-01	0.71
898	6.82E-02	1.20
0	3.25E-01	0.40
39	7.01E-01	1.05
1	1.09E-01	0.47
0	1.45E-01	0.13
171	6.40E-01	0.95
0	1.48E-01	0.46
1	6.46E-01	1.13
1474	1.37E-01	1.24
1920	8.59E-01	0.72
0	7.59E-01	0.65
0	9.37E-01	1.04
0	3.00E-01	3.31
64	8.72E-01	1.02
64	8.72E-01	1.02
1190	2.86E-01	1.13
14	4.62E-01	1.12
908	7.94E-01	1.03
0	9.07E-01	1.08
196	6.17E-01	0.95
1190	2.86E-01	1.13
907	8.21E-01	1.02
0	5.24E-01	1.23

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.93E-02	9.99
0	6.11E-01	0.55
0	1.01E-01	1.86
0	5.87E-01	1.38
0	7.95E-01	1.17
0	5.87E-01	1.38
0	3.09E-01	0.68
0	5.87E-01	1.38
56	2.48E-01	1.14
1	5.88E-01	1.38
1	7.68E-01	0.90
135	1.64E-01	1.15
134	1.41E-01	1.16
0	5.82E-01	1.75
0	8.27E-01	1.15
0	5.70E-01	1.41
0	4.25E-01	2.04
0	1.58E-01	4.06
221	4.79E-01	1.07
468	4.41E-01	0.93
34	3.62E-02	0.76
547	2.82E-01	0.91
0	5.21E-01	1.57
276	6.89E-01	1.04
275	7.36E-01	1.03
0	4.59E-01	0.80
0	9.27E-01	1.07
46	3.51E-01	1.12
46	2.62E-01	1.15
0	1.97E-01	3.89
99	8.81E-01	1.02
16	3.68E-01	0.87
99	9.05E-01	1.01
195	7.63E-01	0.97
0	3.77E-01	0.47
231	3.95E-01	0.92
1103	4.89E-01	0.93
0	1.06E-01	1.79
0	8.28E-01	0.79
2	6.56E-01	1.16
0	9.45E-01	1.09
0	1.16E-01	4.33
0	7.59E-01	1.63

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

3	7.85E-02	1.42
2	3.35E-01	0.73
0	7.34E-01	0.59
11	3.67E-02	0.70
0	2.40E-01	2.41
0	2.00E-01	0.22
0	4.84E-02	4.78
0	9.48E-01	0.95
29	5.32E-01	1.09
7	8.43E-01	1.04
0	6.16E-02	3.87
0	4.15E-01	2.00
0	8.16E-01	0.86
1	6.99E-01	1.11
0	1.89E-01	0.54
129	9.25E-01	0.99
127	9.33E-01	1.01
127	8.78E-01	1.02
0	2.60E-01	0.43
0	9.60E-01	1.03
0	6.09E-01	1.30
0	8.53E-01	0.71
0	2.06E-01	4.03
14	1.22E-01	0.77
922	6.98E-01	0.96
92	6.52E-01	0.95
0	5.55E-01	1.84
247	4.22E-01	1.08
0	4.36E-01	2.01
0	9.75E-01	0.95
0	9.22E-01	0.97
65	5.67E-01	0.94
69	5.50E-01	0.93
0	1.49E-01	0.40
0	2.09E-01	0.45
1769	5.24E-01	1.15
0	5.85E-01	1.80
8	9.09E-01	0.98
242	1.28E-01	1.15
163	1.33E-01	0.86
0	2.27E-01	2.29
6	4.27E-01	0.85
24	4.94E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.79E-01	4.37
467	2.05E-01	1.12
3	4.34E-01	1.18
0	5.25E-01	0.67
0	3.19E-01	2.45
892	7.89E-01	0.97
1502	9.78E-01	1.00
112	2.11E-01	1.14
919	1.55E-01	0.87
0	5.46E-01	1.92
82	2.10E-02	1.30
1	3.30E-01	0.58
12	1.85E-01	0.80
599	7.41E-01	1.03
0	2.13E-01	3.10
0	7.14E-01	1.46
0	9.38E-01	0.94
178	4.05E-01	0.92
0	9.07E-02	1.90
0	7.06E-01	1.29
4	1.17E-01	0.68
0	2.49E-02	5.06
35	7.36E-01	0.96
0	6.68E-02	0.35
0	9.85E-01	0.98
0	8.65E-01	0.85
0	5.98E-01	0.58
0	5.77E-01	1.78
0	3.34E-01	0.28
0	8.10E-01	1.42
9	9.67E-01	0.99
0	9.24E-01	1.11
0	5.88E-01	0.63
0	2.29E-01	0.56
0	4.10E-01	1.45
2	5.03E-01	0.78
0	6.73E-01	1.50
14	1.38E-01	1.26
0	2.79E-01	0.40
0	7.82E-01	1.39
0	7.78E-01	1.16
0	1.92E-01	2.02
0	2.48E-01	3.55

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.78E-01	1.10
313	2.31E-01	1.12
0	9.99E-02	3.51
0	8.95E-01	0.89
0	6.01E-01	0.57
0	8.60E-01	0.77
0	5.06E-01	0.40
2	8.60E-02	1.49
0	6.03E-01	0.61
0	3.36E-01	0.40
8	6.50E-01	1.08
0	7.47E-01	0.74
0	7.94E-01	0.85
66	4.74E-02	0.79
1	7.42E-01	0.85
0	2.61E-01	1.55
0	8.66E-02	0.40
0	4.08E-01	0.48
0	2.63E-01	0.42
0	7.83E-01	1.33
0	6.07E-01	1.46
0	6.07E-01	1.46
0	8.66E-01	0.84
0	9.93E-01	1.00
0	3.60E-01	1.87
1	1.82E-01	0.65
0	6.11E-01	0.58
0	5.18E-01	0.56
227	8.61E-01	1.02
0	2.54E-01	1.46
0	3.43E-01	2.14
0	9.87E-01	0.98
0	2.83E-01	0.27
0	6.77E-01	0.70
0	6.23E-01	0.73
0	6.69E-02	0.23
1	5.81E-02	2.94
2	2.87E-01	0.73
0	3.81E-01	0.37
2	9.93E-01	1.00
0	9.78E-01	0.96
8	8.20E-01	1.04
0	4.50E-01	1.26

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.81E-01	0.85
1	3.05E-01	0.53
0	8.12E-01	0.76
569	3.64E-02	0.83
0	9.73E-01	1.03
0	8.80E-01	1.05
0	6.76E-01	0.56
0	9.06E-01	0.84
0	6.36E-01	0.51
128	9.41E-01	0.99
0	5.46E-01	0.45
0	8.23E-01	0.78
0	5.75E-01	1.70
130	2.69E-02	1.25
14	2.98E-01	0.83
0	6.65E-01	2.05
115	1.94E-01	0.87
178	2.35E-01	0.89
0	5.26E-01	1.39
1	5.68E-01	1.17
0	2.71E-01	1.77
0	7.29E-01	1.26
1	5.37E-01	1.20
11	2.73E-02	1.46
0	3.19E-01	0.26
35	5.88E-01	1.07
0	6.33E-01	1.66
14	5.83E-01	0.91
1363	5.84E-01	0.94
0	9.30E-03	12.63
306	9.82E-01	1.00
0	7.20E-01	0.88
0	5.97E-01	0.64
0	7.96E-01	0.91
5	4.56E-01	1.17
0	2.09E-01	4.08
7	7.96E-01	0.95
1	7.67E-01	0.83
0	4.39E-01	1.88
0	6.12E-01	0.48
0	7.97E-01	0.87
2	9.93E-01	1.00
0	7.68E-02	5.37

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.14E-02	5.06
0	1.71E-01	3.12
1	3.54E-02	1.61
0	4.95E-01	1.85
1502	8.50E-01	1.03
0	7.03E-01	0.59
4	6.05E-01	0.89
4	6.05E-01	0.89
4	5.19E-01	0.86
3	5.81E-01	0.87
0	8.46E-01	0.75
0	4.55E-01	2.18
0	8.53E-01	0.83
0	2.74E-02	5.11
0	4.62E-02	8.16
0	3.90E-01	2.48
0	9.77E-01	1.04
52	9.28E-03	1.35
3	9.84E-01	1.01
0	1.27E-01	0.25
0	3.49E-01	0.59
0	6.67E-01	1.47
0	8.73E-01	0.81
0	9.11E-01	1.19
0	9.93E-01	0.99
98	5.06E-01	0.93
0	9.83E-01	0.98
0	4.18E-02	7.77
1	2.62E-02	0.41
1	3.54E-01	1.23
51	5.51E-01	0.93
0	3.75E-01	2.26
4	1.21E-01	1.53
1	4.81E-01	1.53
46	9.28E-01	1.01
160	1.20E-01	0.85
29	2.44E-01	0.85
0	8.31E-01	1.11
26	2.01E-01	0.83
0	9.90E-01	0.99
18	1.98E-01	1.20
0	4.25E-02	3.49
0	7.07E-01	0.59

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

47	2.34E-01	1.16
0	1.37E-01	0.13
0	1.59E-01	0.33
1	8.23E-01	1.07
0	5.32E-01	0.67
0	2.72E-01	0.47
0	6.02E-01	0.49
3	7.17E-01	0.92
26	4.14E-01	0.89
26	4.14E-01	0.89
26	4.25E-01	0.90
0	5.32E-01	0.67
2	9.09E-01	1.03
0	9.45E-01	1.11
0	4.95E-01	2.08
1922	9.12E-01	1.20
1909	5.62E-01	0.64
0	4.84E-01	0.40
0	9.10E-01	0.93
1257	3.48E-01	1.12
0	7.53E-01	0.90
294	8.06E-01	0.98
0	8.61E-03	0.15
0	3.07E-01	0.41
0	4.37E-01	0.36
0	6.20E-01	1.76
354	6.86E-01	0.96
0	3.74E-01	2.50
0	5.56E-01	0.42
0	8.67E-01	0.83
0	2.48E-01	1.63
0	7.91E-01	1.54
13	4.86E-01	0.89
0	5.72E-01	0.44
12	2.40E-01	1.18
85	2.83E-01	0.88
7	7.63E-01	0.94
1	7.76E-02	2.57
1	1.95E-01	1.31
0	2.47E-01	1.49
0	7.82E-01	0.90
0	8.95E-01	1.12
0	4.11E-01	1.36

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.46E-01	1.32
1600	5.92E-01	0.92
244	3.16E-01	1.10
0	1.24E-01	0.10
844	5.61E-01	0.94
18	5.52E-01	1.09
2	8.83E-01	0.96
632	4.73E-01	1.07
0	9.76E-01	1.02
0	4.35E-01	1.30
0	4.93E-01	2.18
2	2.27E-02	0.52
0	5.63E-02	0.61
97	4.96E-01	1.08
1869	9.43E-01	0.97
156	2.37E-01	1.13
0	3.57E-01	0.42
928	7.76E-01	1.03
0	2.96E-01	0.64
928	7.90E-01	1.03
89	3.37E-01	0.90
0	5.16E-01	0.39
0	9.01E-01	0.92
0	1.68E-01	0.14
0	4.52E-02	1.65
964	1.74E-01	0.87
1	4.65E-01	1.30
0	6.82E-01	1.95
122	1.18E-01	0.85
0	1.69E-01	3.06
61	3.05E-01	1.13
0	4.02E-01	2.89
0	6.52E-01	1.36
0	4.30E-01	2.01
0	2.01E-01	0.26
0	6.74E-01	1.67
0	6.15E-01	1.16
0	8.99E-01	0.83
0	7.86E-01	1.55
0	6.97E-01	1.79
0	3.28E-01	0.28
0	5.96E-01	0.44
0	7.55E-01	1.35

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.06E-01	0.36
744	4.27E-01	0.93
1	5.06E-01	1.36
0	8.44E-01	1.20
0	7.02E-01	0.70
0	6.65E-01	1.65
175	3.26E-01	1.10
0	4.78E-01	0.36
0	4.78E-01	0.36
0	1.02E-01	0.12
0	4.06E-01	1.42
14	6.48E-02	0.72
0	5.94E-01	1.76
0	1.25E-01	0.22
0	9.87E-01	0.98
141	7.71E-01	1.03
143	9.65E-01	1.00
0	9.69E-01	1.06
0	3.33E-01	0.46
16	7.58E-01	0.95
1	1.63E-01	0.63
0	2.76E-01	0.25
34	1.90E-01	1.18
0	7.85E-02	2.84
259	9.50E-01	0.99
6	6.01E-01	0.91
14	4.40E-01	0.87
20	9.33E-01	1.01
0	9.09E-01	0.92
0	8.84E-02	3.52
7	9.06E-01	1.02
0	9.43E-01	1.14
0	7.60E-01	0.72
0	4.51E-01	1.55
0	9.17E-01	0.92
7	6.12E-01	1.11
0	2.64E-01	3.49
0	2.61E-01	2.60
0	6.76E-01	1.37
0	2.22E-01	0.17
0	2.60E-01	3.09
6	7.84E-01	1.05
0	4.16E-01	0.62

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.44E-01	2.58
1922	1.00E+00	0.97
0	9.41E-01	1.08
0	7.56E-02	0.34
31	6.84E-01	1.06
1799	8.21E-01	1.06
0	1.47E-01	4.27
0	3.71E-01	1.37
1552	3.46E-01	0.87
0	5.05E-01	0.52
0	2.99E-02	0.06
4	9.42E-01	1.02
0	3.36E-01	2.95
162	1.47E-01	1.15
163	5.20E-01	1.07
0	9.16E-01	1.17
0	9.94E-01	0.99
3	1.04E-01	1.48
884	2.01E-02	1.26
0	9.29E-01	1.03
0	7.63E-01	1.16
116	4.17E-01	0.92
0	7.79E-01	1.30
0	4.45E-01	2.72
1	8.17E-01	1.11
0	4.84E-01	2.37
0	7.32E-01	0.60
1920	8.28E-01	0.70
256	4.87E-01	1.07
0	8.62E-01	1.31
13	2.33E-01	0.82
1366	9.55E-01	0.99
0	6.09E-01	0.57
0	1.85E-01	0.23
1	9.16E-01	1.10
2	8.64E-01	1.05
181	6.47E-01	1.05
38	8.57E-01	1.02
335	1.35E-01	0.87
13	6.53E-01	0.92
0	3.79E-02	2.90
0	7.10E-01	1.39
141	9.21E-01	0.99

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.19E-01	1.09
328	1.06E-01	0.86
0	7.51E-01	1.18
30	9.04E-01	0.98
191	7.51E-01	1.03
0	5.88E-01	1.78
0	9.62E-01	1.04
0	7.08E-02	2.03
0	6.37E-01	1.62
0	5.07E-01	1.71
0	9.79E-01	1.04
459	7.89E-01	0.98
1	3.18E-01	0.82
0	1.51E-01	2.48
1909	4.15E-01	0.54
0	8.88E-01	0.94
0	8.11E-01	1.13
864	8.56E-01	1.02
1922	1.00E+00	0.97
0	2.35E-01	3.33
302	5.51E-02	0.84
1584	1.10E-01	0.79
1	4.69E-02	0.46
1473	3.97E-01	1.12
10	9.27E-01	1.02
0	8.58E-01	0.86
16	1.73E-01	0.79
0	9.80E-01	1.03
0	6.08E-01	1.51
1918	9.75E-01	0.95
1257	7.17E-01	1.04
891	5.25E-01	0.94
907	5.00E-01	0.94
1916	2.76E-01	0.37
1922	1.00E+00	0.97
0	9.26E-01	1.15
0	4.24E-01	0.55
0	2.29E-01	1.97
0	1.48E-01	0.46
0	1.48E-01	0.46
0	4.80E-02	4.42
0	9.27E-01	1.05
0	1.37E-01	0.45

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.37E-01	0.45
769	6.23E-01	0.96
0	6.47E-01	0.70
0	4.85E-01	2.06
1899	9.43E-01	0.96
1312	8.73E-01	1.02
681	8.35E-01	1.02
0	7.93E-01	0.69
660	6.73E-01	1.04
0	5.16E-01	0.47
1	3.88E-01	1.38
1	6.03E-01	0.84
238	2.96E-01	0.90
238	2.96E-01	0.90
0	2.35E-01	0.59
486	6.16E-01	1.05
1350	7.73E-01	0.97
95	8.00E-01	1.03
95	8.00E-01	1.03
1356	7.01E-01	0.95
703	6.10E-01	0.95
0	9.11E-01	0.88
0	7.93E-01	1.27
0	8.61E-01	0.78
0	8.61E-01	0.78
1	7.45E-01	1.13
0	4.23E-01	1.65
0	4.53E-01	2.15
1	7.91E-01	0.87
0	7.63E-01	0.86
0	2.26E-01	1.46
0	3.09E-01	3.08
13	9.66E-01	0.99
20	7.34E-02	1.28
0	1.35E-01	4.07
0	8.99E-01	1.14
0	3.77E-01	1.55
4	3.54E-01	1.24
4	4.55E-01	1.19
1	5.47E-01	1.17
0	8.73E-01	1.11
1715	9.54E-01	0.99
2	6.85E-01	0.88

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

116	6.09E-01	1.06
0	3.53E-01	0.38
0	9.00E-01	1.22
0	7.32E-01	0.83
0	5.48E-01	0.74
0	2.15E-01	0.43
0	1.49E-01	0.61
0	4.65E-01	2.30
0	4.44E-02	2.36
0	6.22E-02	4.23
1	5.91E-01	1.22
0	8.46E-01	0.86
5	7.66E-01	1.06
0	2.93E-01	2.02
0	2.38E-01	3.45
0	2.38E-01	3.45
0	4.85E-01	0.65
290	4.87E-01	1.07
1	7.93E-01	0.87
436	8.71E-01	0.99
0	2.85E-01	2.34
0	2.18E-01	0.17
0	3.40E-01	1.70
404	5.97E-01	1.05
0	3.81E-01	1.43
15	6.14E-02	1.36
1836	4.85E-01	1.27
0	6.15E-01	2.43
0	4.81E-01	0.38
1921	2.19E-01	0.08
0	2.59E-02	3.46
0	4.53E-01	0.43
0	9.29E-01	1.08
2	2.13E-01	0.74
0	4.67E-01	2.18
39	7.36E-01	0.96
39	7.36E-01	0.96
0	7.63E-01	1.53
39	7.21E-01	0.96
39	7.21E-01	0.96
18	3.57E-01	1.16
298	5.36E-01	0.95
0	9.31E-01	1.08

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

297	4.96E-01	0.94
0	5.23E-01	0.65
0	7.63E-01	1.24
0	3.65E-01	0.56
0	3.64E-02	8.84
0	5.00E-01	1.86
1	3.43E-01	1.38
0	6.17E-01	0.82
0	2.20E-01	0.53
0	6.64E-01	0.61
0	3.12E-01	2.00
0	9.45E-01	0.97
1	5.52E-01	0.77
0	6.33E-01	1.34
29	8.78E-01	0.98
0	9.82E-01	0.98
338	4.41E-01	0.93
342	4.54E-01	0.93
0	2.77E-01	3.31
0	5.53E-01	1.70
0	4.38E-01	1.98
0	5.84E-01	1.83
110	1.53E-01	1.16
0	1.72E-01	0.19
0	5.32E-01	1.82
0	1.49E-01	0.19
0	1.83E-01	1.51
0	1.13E-01	3.99
1	5.98E-01	0.84
5	2.83E-02	0.62
1	8.53E-01	1.11
1	6.68E-01	1.25
0	6.39E-01	1.46
0	5.08E-02	0.33
0	8.07E-01	0.75
0	8.24E-01	1.13
0	8.24E-01	1.13
0	1.05E-01	6.77
0	5.80E-01	0.55
201	6.08E-01	0.95
0	3.39E-01	0.48
0	4.49E-01	2.28
0	4.44E-01	0.48

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

6	1.42E-01	1.34
1401	3.08E-01	1.14
0	4.78E-01	1.58
1401	2.99E-01	1.14
0	3.57E-02	1.78
1683	5.13E-01	1.13
75	9.10E-01	1.01
74	9.87E-01	1.00
809	4.97E-01	0.94
0	6.95E-01	0.65
341	3.18E-01	0.91
43	7.63E-01	0.96
45	8.03E-01	0.97
0	1.89E-01	4.45
0	6.00E-01	1.75
6	7.79E-01	0.94
43	7.69E-01	0.96
0	6.89E-01	1.90
0	5.15E-01	0.59
0	9.88E-01	1.02
0	4.34E-02	2.95
0	1.74E-01	0.43
2	1.06E-01	1.52
1	5.42E-01	0.80
0	9.81E-01	0.97
1203	1.02E-01	0.83
0	6.36E-01	1.72
0	2.21E-01	0.37
0	4.33E-01	0.43
0	6.31E-01	0.82
0	1.04E-01	3.41
0	5.34E-01	1.89
0	2.76E-01	0.65
0	7.26E-01	0.80
0	9.11E-01	0.95
0	1.00E+00	1.00
0	7.80E-01	1.27
0	1.63E-01	5.24
0	6.04E-01	1.98
227	8.19E-02	0.85
0	9.33E-01	1.05
0	2.88E-01	0.67
0	2.54E-01	1.76

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.03E-01	1.15
3	1.11E-01	1.42
3	1.20E-01	1.41
0	4.50E-01	0.64
0	4.81E-03	0.12
0	9.96E-01	1.01
3	7.85E-01	0.94
23	8.62E-01	0.97
0	4.43E-01	0.35
31	5.51E-01	1.08
405	7.50E-01	1.03
0	8.69E-01	0.84
5	9.60E-01	1.01
7	5.77E-01	1.12
0	4.08E-01	2.09
0	5.47E-01	0.60
0	7.20E-01	1.14
0	9.21E-01	1.09
11	2.93E-01	1.19
14	6.43E-01	1.09
0	2.24E-01	2.77
0	1.39E-01	3.75
1920	6.78E-01	0.50
74	4.23E-01	0.91
55	9.19E-01	0.99
0	8.07E-01	0.80
467	1.33E-01	0.87
54	9.22E-01	1.01
54	9.30E-01	1.01
172	7.18E-01	0.96
1	8.37E-01	1.16
2	9.14E-01	0.97
1138	7.38E-02	0.84
8	5.11E-01	1.12
0	4.28E-02	5.02
5	9.79E-03	0.57
599	4.60E-01	0.94
29	2.95E-01	0.87
1438	3.80E-01	1.13
0	4.28E-02	5.02
621	8.50E-01	1.02
0	6.61E-01	1.46
543	8.09E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.53E-01	0.38
0	7.35E-01	1.36
0	3.51E-01	3.13
0	6.12E-01	0.50
0	5.81E-01	1.45
0	2.73E-01	3.23
1	6.34E-01	1.20
5	9.18E-01	1.03
0	1.61E-02	0.04
0	2.87E-01	0.19
0	4.73E-01	0.66
685	8.09E-01	0.98
112	5.37E-01	0.94
12	3.05E-01	0.84
0	5.99E-03	3.74
878	5.81E-01	0.95
378	6.91E-01	0.96
1	4.75E-02	2.44
20	9.39E-02	0.78
0	9.41E-01	0.93
291	6.28E-01	1.05
0	8.00E-01	1.18
0	9.50E-01	1.06
5	5.37E-01	1.12
36	6.11E-01	0.93
73	3.93E-01	1.10
1161	4.48E-01	1.09
20	2.90E-01	0.86
15	9.65E-01	0.99
259	2.37E-01	0.90
73	4.03E-01	1.10
0	2.35E-01	0.28
0	9.92E-01	0.99
127	5.75E-01	0.94
74	3.67E-01	1.11
0	1.27E-03	19.28
0	9.01E-01	1.11
0	6.82E-01	1.36
0	6.64E-01	1.37
31	5.68E-01	0.92
0	8.12E-01	0.80
45	1.85E-01	0.84
41	3.17E-01	0.88

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.62E-01	0.78
0	4.32E-01	0.42
0	4.74E-01	2.42
0	1.48E-01	2.49
0	4.22E-01	0.53
0	6.10E-01	1.47
0	1.42E-01	0.18
83	4.17E-01	1.09
1	5.80E-01	1.60
0	8.06E-01	0.81
0	7.24E-01	1.12
1883	4.20E-01	0.73
0	8.91E-01	0.93
0	5.36E-01	0.80
0	2.72E-01	0.25
6	1.30E-01	1.32
0	9.44E-01	1.08
0	4.89E-01	1.58
0	1.57E-01	0.19
6	4.48E-01	0.85
0	1.35E-01	2.79
56	8.90E-02	1.22
1	4.14E-01	0.69
0	7.64E-01	1.64
0	9.96E-01	1.00
0	4.28E-01	0.36
9	5.38E-02	0.69
11	3.30E-01	1.18
10	7.39E-02	0.71
2	6.89E-01	1.10
0	9.05E-01	0.95
169	3.48E-01	1.09
835	4.10E-01	1.08
0	5.55E-01	0.40
0	2.58E-01	3.91
0	2.51E-01	0.37
0	3.58E-01	0.46
0	5.04E-01	0.42
0	7.04E-01	1.43
0	9.84E-01	1.03
0	1.25E-01	1.53
0	7.69E-02	1.62
0	7.69E-02	1.62

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.61E-02	6.53
0	3.23E-01	0.55
0	1.92E-01	0.16
0	3.36E-01	0.45
22	7.06E-01	1.05
0	8.33E-01	0.88
1	8.71E-01	0.96
1	2.32E-01	1.50
16	8.90E-01	0.98
0	5.80E-01	0.45
0	3.95E-01	1.99
0	3.21E-01	0.40
11	2.24E-01	1.24
0	7.95E-01	1.14
0	9.85E-01	1.01
0	4.70E-01	0.38
0	5.90E-01	0.47
0	5.28E-01	1.69
0	8.46E-01	1.26
0	5.05E-01	1.77
0	5.93E-01	0.49
0	4.42E-01	2.21
0	4.29E-02	9.39
0	9.08E-01	0.91
1	5.96E-01	1.13
492	9.99E-01	1.00
0	9.97E-01	0.99
2	4.41E-01	1.20
0	2.96E-02	8.40
0	4.63E-03	5.40
0	4.11E-01	0.35
1	6.75E-01	1.15
0	8.24E-01	0.82
0	6.17E-01	0.58
0	4.05E-01	2.21
0	5.33E-01	1.31
3	9.53E-02	1.41
0	3.03E-01	0.44
0	6.05E-01	2.37
0	4.01E-02	3.93
47	4.60E-01	1.09
0	2.82E-01	2.66
0	6.33E-01	1.58

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.29E-01	1.72
2	6.91E-01	0.89
8	7.65E-01	1.05
15	1.56E-01	1.23
0	4.53E-01	0.46
14	3.55E-01	1.15
9	7.99E-01	1.04
0	5.83E-01	1.72
0	9.68E-01	1.06
11	7.81E-01	0.95
1	9.55E-01	1.03
1	5.83E-01	1.21
10	8.08E-01	0.95
0	6.25E-01	1.51
92	4.11E-01	1.09
12	8.34E-01	0.97
12	8.34E-01	0.97
10	9.09E-01	0.98
0	7.68E-01	0.77
99	1.97E-01	0.87
1	9.01E-01	1.08
92	4.29E-01	1.09
230	7.50E-01	0.97
86	2.63E-01	1.13
102	7.36E-02	0.82
230	8.91E-01	0.99
8	1.28E-01	0.75
0	9.31E-01	0.93
6	1.69E-01	1.26
409	4.34E-01	0.93
1526	6.68E-01	1.07
542	2.06E-01	0.89
8	5.03E-01	0.88
68	4.92E-01	1.08
1	1.03E-04	2.14
0	7.83E-01	0.91
1	8.63E-01	0.95
0	4.95E-02	0.10
0	8.31E-01	0.73
0	5.50E-01	0.56
0	5.90E-01	2.09
0	1.86E-01	2.43
1	9.31E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.99E-01	1.45
0	1.85E-02	7.99
292	5.94E-01	0.95
4	8.06E-01	0.95
4	8.01E-01	0.95
1	5.07E-01	1.35
291	6.17E-01	0.96
0	6.70E-01	1.15
0	4.93E-02	0.29
0	8.58E-01	1.26
270	9.12E-01	1.01
0	4.59E-02	0.57
0	4.56E-01	0.56
0	2.48E-01	1.33
0	7.34E-01	1.27
0	3.41E-01	2.28
0	6.63E-01	1.17
0	6.01E-01	1.50
0	8.66E-01	0.92
0	1.99E-01	2.05
0	3.07E-01	0.28
0	9.48E-01	0.91
0	4.11E-01	1.23
0	6.46E-01	1.30
0	7.63E-01	0.87
1	8.06E-01	0.92
0	7.24E-01	0.86
0	4.03E-01	0.47
0	5.55E-01	1.34
0	2.36E-01	0.23
0	8.08E-01	0.71
0	5.41E-01	1.71
0	9.42E-01	1.05
0	8.44E-01	1.11
0	5.46E-01	1.70
0	1.47E-01	3.92
0	9.21E-01	0.86
1	8.35E-01	1.05
0	1.16E-01	0.13
0	4.74E-02	9.06
0	1.59E-01	0.18
18	1.98E-01	1.21
0	4.48E-01	2.29

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	5.94E-01	1.19
0	8.23E-01	0.86
0	6.06E-01	0.66
0	8.08E-01	0.71
0	6.87E-01	0.56
1	3.86E-01	1.40
0	8.66E-01	0.85
5	6.74E-01	0.91
0	5.58E-01	1.45
0	6.49E-01	0.60
0	1.69E-01	0.14
1	6.69E-01	0.75
0	6.20E-01	0.80
0	5.88E-01	1.78
0	1.96E-02	0.05
730	5.39E-01	1.06
0	3.27E-01	0.57
0	1.35E-02	16.72
1	2.61E-01	1.36
236	2.07E-01	1.13
62	4.20E-02	1.27
1	6.51E-01	1.13
0	8.31E-01	0.84
0	6.42E-01	1.23
0	2.50E-01	3.18
0	6.13E-01	1.57
0	4.16E-01	0.69
873	1.68E-01	0.88
6	9.58E-01	0.99
0	2.43E-01	0.50
0	4.88E-01	1.77
0	3.39E-01	0.74
0	4.28E-01	1.84
1	3.88E-02	1.58
114	9.09E-03	0.76
0	8.76E-01	1.13
0	7.04E-01	1.45
0	1.44E-01	4.69
0	5.37E-01	0.43
0	1.64E-01	3.15
0	5.57E-01	1.60
0	4.72E-01	0.35
0	5.91E-01	0.45

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.27E-01	0.73
0	2.18E-01	0.23
242	8.09E-01	0.98
0	3.00E-01	0.40
0	2.69E-01	0.23
1529	6.81E-01	1.06
0	9.71E-01	1.02
0	9.31E-01	0.93
28	4.65E-01	0.90
167	8.48E-01	1.02
168	9.02E-01	0.99
27	3.63E-01	0.87
0	3.24E-01	1.81
0	9.50E-01	1.05
0	9.57E-01	1.02
224	9.53E-01	1.01
0	8.69E-01	1.09
113	2.23E-01	0.88
0	8.40E-01	1.18
0	1.43E-01	0.18
2	8.31E-01	0.91
0	2.40E-01	2.95
0	4.52E-02	7.46
4	6.69E-01	1.09
0	8.14E-01	0.76
0	2.18E-01	3.29
0	5.57E-01	1.48
1190	4.65E-01	1.08
1184	6.37E-01	1.05
0	1.55E-02	0.06
0	7.23E-02	4.40
1310	4.42E-01	0.91
0	2.39E-01	2.18
828	6.82E-01	0.96
0	7.83E-01	0.81
1	7.50E-01	1.21
1	7.43E-01	0.90
2	7.81E-02	0.49
78	4.82E-01	1.08
78	4.73E-01	1.08
0	8.76E-01	0.87
0	4.52E-01	1.90
0	9.36E-01	1.08

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.50E-01	1.15
464	4.38E-01	0.93
2	1.22E-01	1.41
0	2.39E-01	4.04
0	5.12E-04	4.83
0	5.20E-01	1.50
0	7.21E-01	1.36
0	7.10E-01	0.78
54	3.22E-01	1.13
773	4.59E-01	1.07
0	3.96E-01	1.87
23	5.35E-01	1.09
666	6.78E-01	1.04
0	4.93E-01	2.15
0	4.55E-01	1.66
0	5.26E-01	1.57
0	5.26E-01	1.57
40	7.32E-01	0.96
40	8.58E-01	0.98
15	5.73E-01	0.91
6	4.90E-01	0.87
0	3.21E-01	2.87
0	2.75E-01	0.36
111	9.85E-01	1.00
111	9.85E-01	1.00
1	9.81E-01	1.01
6	5.24E-01	1.14
0	6.85E-01	1.38
0	8.94E-01	1.05
1089	6.76E-01	0.96
0	7.41E-01	1.30
10	8.19E-01	0.96
0	8.67E-01	0.91
312	9.78E-01	1.00
312	9.82E-01	1.00
6	4.83E-01	0.86
0	8.89E-01	0.80
66	9.03E-01	0.99
0	3.03E-01	2.14
197	8.50E-01	0.98
1	9.55E-01	0.98
0	9.24E-01	1.14
0	2.54E-01	2.30

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.12E-01	0.51
1	6.30E-01	0.52
1	7.50E-01	1.29
1	9.47E-01	1.10
0	5.17E-01	0.42
236	9.00E-01	1.01
5	4.12E-01	1.19
353	6.96E-01	0.97
0	8.82E-01	0.91
0	1.78E-01	0.50
154	4.24E-01	0.92
0	2.08E-02	4.42
1363	9.41E-01	1.01
34	6.35E-01	0.94
0	1.87E-01	4.32
154	3.92E-01	0.92
0	9.27E-01	0.96
0	3.78E-02	0.19
850	3.02E-01	1.11
0	9.28E-01	0.92
0	5.55E-01	1.54
65	5.84E-01	0.94
6	7.93E-02	0.68
0	4.64E-01	0.36
0	2.56E-01	0.25
0	1.93E-01	2.45
0	2.40E-01	0.18
0	1.53E-02	0.37
633	5.17E-01	1.06
0	9.99E-01	1.00
1	7.90E-01	1.22
0	6.51E-01	1.57
0	2.22E-01	0.22
0	8.09E-01	0.88
0	9.45E-01	1.04
0	6.57E-01	1.57
581	2.82E-01	1.10
17	6.86E-02	0.73
0	3.81E-01	0.54
967	2.18E-01	1.13
0	8.64E-01	1.06
0	1.34E-02	12.39
37	8.74E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.01E-01	4.69
1	7.92E-01	0.86
0	9.60E-01	0.92
0	1.44E-01	3.74
0	1.63E-01	0.39
0	3.20E-01	0.66
0	5.93E-01	0.58
0	2.03E-01	2.65
15	6.15E-03	0.59
913	7.79E-01	0.97
784	7.51E-01	1.03
2	3.30E-01	0.72
0	5.14E-01	0.41
2	4.09E-01	1.29
1916	6.71E-01	0.70
0	5.20E-01	1.81
0	2.26E-01	0.31
0	3.86E-02	6.81
1920	7.86E-01	1.52
0	4.55E-01	1.54
1921	5.35E-01	0.32
0	5.00E-01	2.14
0	7.76E-01	0.67
0	8.62E-01	1.28
34	9.61E-01	1.01
0	9.31E-03	13.78
1	9.03E-01	0.96
0	4.65E-01	0.39
0	3.88E-02	4.07
0	4.86E-01	0.57
0	4.28E-01	0.32
0	5.70E-01	1.65
0	1.34E-01	0.26
0	5.95E-01	2.56
0	1.73E-01	0.24
0	3.66E-01	3.14
0	5.29E-01	0.40
0	8.89E-01	1.24
8	5.32E-01	0.89
0	5.31E-01	1.65
0	2.58E-01	2.35
0	2.60E-02	7.42
0	9.94E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.71E-01	0.35
1922	1.00E+00	0.97
0	9.26E-01	0.91
0	8.48E-01	1.33
0	1.04E-01	2.11
14	7.43E-02	0.74
1	4.06E-01	0.67
1	8.53E-01	1.10
15	1.90E-01	0.78
0	6.44E-01	0.50
0	4.39E-01	0.48
0	2.70E-01	0.66
178	8.11E-01	1.02
179	8.04E-01	1.02
0	7.89E-01	0.82
176	8.22E-01	1.02
0	9.25E-01	1.10
1	4.04E-03	2.32
178	8.19E-01	1.02
178	8.19E-01	1.02
178	8.19E-01	1.02
0	8.50E-01	0.87
0	1.76E-01	0.62
0	5.12E-01	1.74
355	4.60E-01	1.07
1209	2.00E-01	0.86
1209	2.43E-01	0.88
55	8.49E-01	0.98
1208	2.89E-01	0.89
0	4.54E-01	1.45
56	9.33E-01	0.99
0	1.77E-01	3.01
0	5.88E-01	0.58
0	9.86E-02	3.95
0	3.10E-02	4.46
54	9.91E-01	1.00
0	2.20E-01	2.70
0	4.62E-01	1.67
73	1.93E-02	0.77
1127	3.98E-01	0.91
694	3.47E-01	0.92
0	7.30E-01	0.76
73	2.06E-02	0.77

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.51E-01	0.44
0	5.51E-01	0.44
1874	6.12E-01	0.80
0	6.35E-01	0.52
0	2.30E-01	2.40
0	7.01E-01	0.57
0	9.62E-01	0.96
0	2.64E-01	2.55
408	1.92E-01	1.12
0	6.51E-01	0.64
0	7.50E-02	2.80
0	3.41E-01	0.56
0	1.18E-01	3.65
0	6.37E-01	0.76
0	4.04E-01	1.93
0	7.81E-01	0.81
489	9.01E-01	1.01
7	6.21E-01	1.11
0	3.75E-01	1.36
0	7.49E-03	10.00
0	8.32E-01	0.82
0	3.84E-01	2.46
0	4.02E-02	0.10
0	6.74E-01	2.00
1	4.82E-01	2.02
0	3.78E-01	0.44
0	3.48E-01	2.81
0	6.40E-01	1.51
0	1.95E-01	0.27
0	8.21E-01	1.21
0	5.33E-02	4.50
0	9.60E-01	0.95
0	2.36E-02	5.71
0	2.54E-01	0.25
0	1.33E-01	2.84
0	3.24E-02	7.77
0	3.13E-01	1.69
0	8.97E-01	0.88
0	6.03E-01	1.29
0	9.93E-01	0.99
0	3.40E-01	2.16
0	1.98E-01	0.14
18	9.66E-02	1.27

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.26E-01	0.67
0	3.40E-01	2.16
2	4.55E-02	1.68
0	2.72E-02	0.09
1	4.84E-01	1.28
0	4.11E-01	0.34
0	8.99E-02	5.17
0	9.71E-01	0.98
1	5.39E-01	1.21
0	6.25E-01	1.37
7	7.73E-01	0.95
0	3.33E-01	0.44
0	1.39E-01	3.97
0	5.50E-01	1.33
0	7.04E-01	1.27
1907	1.79E-01	0.49
1	1.02E-02	2.49
2	3.51E-01	0.73
7	7.49E-01	0.94
0	5.96E-01	1.48
0	1.07E-01	2.58
0	4.90E-01	0.66
409	6.89E-01	0.96
409	6.55E-01	0.96
2	7.43E-01	0.91
0	4.67E-01	0.54
56	5.71E-01	1.07
0	6.80E-01	1.25
0	2.68E-01	1.51
0	5.76E-01	1.60
1	1.75E-01	0.60
0	4.75E-01	1.51
0	4.72E-01	0.49
726	4.22E-01	1.08
1001	6.01E-01	1.05
1	9.03E-01	1.06
725	4.41E-01	1.07
3	8.13E-01	1.07
1	4.51E-01	1.33
21	8.98E-02	1.27
0	6.83E-01	0.57
0	1.85E-02	6.10
0	4.43E-01	2.45

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	2.35E-01	1.48
17	9.45E-01	1.01
0	5.29E-01	1.37
0	6.90E-01	1.51
0	5.94E-01	1.85
0	4.98E-01	2.06
0	5.50E-01	1.67
0	6.91E-01	1.50
5	1.34E-01	0.68
0	5.67E-01	1.51
1	1.49E-01	1.79
0	2.03E-01	0.21
1	3.62E-01	0.55
0	7.24E-01	0.69
0	7.05E-01	0.67
5	4.71E-01	0.85
0	3.17E-01	3.17
0	8.58E-01	0.80
0	7.52E-01	1.37
0	2.77E-01	0.68
0	1.94E-01	0.33
0	5.64E-01	0.54
1	5.19E-01	0.69
0	2.23E-01	2.38
0	1.99E-01	0.66
0	6.04E-01	0.61
0	3.95E-01	2.49
0	7.73E-01	0.65
0	5.25E-01	0.42
0	6.83E-01	0.57
0	5.96E-01	1.80
0	5.86E-01	0.77
0	7.66E-01	1.34
2	5.99E-01	1.12
0	5.11E-01	1.59
0	8.12E-02	0.07
0	5.38E-01	0.53
742	6.50E-01	1.04
0	8.28E-01	0.88
0	2.87E-01	0.34
0	5.14E-01	2.92
0	9.69E-01	1.04
9	5.90E-01	0.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.31E-01	1.40
0	6.17E-01	1.43
0	8.27E-01	1.41
0	3.26E-01	2.31
0	2.94E-01	0.64
1	3.31E-01	1.46
612	5.74E-01	0.95
362	6.68E-01	1.04
0	3.12E-01	2.55
0	2.92E-01	2.71
0	9.21E-01	1.06
0	6.55E-01	1.27
0	8.24E-01	1.24
0	6.99E-01	0.84
0	2.92E-01	2.71
0	1.91E-01	4.31
0	4.68E-01	0.79
0	8.56E-01	1.24
0	1.41E-01	0.27
0	3.95E-01	1.66
0	1.66E-01	0.23
0	6.89E-01	1.41
0	8.09E-01	1.45
0	4.05E-01	0.59
0	1.03E-01	3.21
0	6.43E-01	1.21
0	9.47E-01	0.97
0	8.78E-01	0.86
0	1.38E-01	0.13
0	5.50E-01	1.71
189	3.60E-01	0.91
1	3.21E-01	1.56
0	4.60E-01	0.45
1	3.76E-01	1.81
110	4.59E-01	1.08
0	2.94E-01	1.76
0	2.73E-01	0.30
0	3.83E-01	2.64
0	1.82E-01	0.14
231	1.23E-01	1.15
0	6.38E-01	1.37
0	8.09E-01	0.92
24	9.08E-02	0.77

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.43E-01	0.57
0	8.59E-01	0.84
0	2.39E-01	1.69
47	4.67E-01	0.92
66	2.34E-01	1.14
66	2.16E-01	1.15
26	1.61E-01	0.81
0	7.38E-01	1.23
0	2.88E-01	0.60
1922	1.00E+00	0.97
0	5.47E-01	1.90
0	4.80E-01	2.25
23	5.87E-01	0.93
0	8.15E-01	1.18
0	6.96E-01	0.58
2	8.41E-01	1.07
1	5.65E-01	0.44
0	8.32E-01	1.18
0	4.53E-01	3.51
319	7.00E-01	0.97
1	8.53E-01	1.07
0	6.69E-01	0.54
1688	6.55E-01	1.08
581	8.55E-01	0.98
2	6.22E-02	1.54
0	1.21E-01	1.54
0	1.21E-01	1.54
0	1.13E-01	0.27
374	2.03E-01	0.89
0	4.03E-01	1.95
87	3.37E-01	1.11
0	4.05E-01	0.55
0	5.13E-01	0.53
0	6.37E-01	0.53
0	7.38E-01	1.69
0	1.01E-02	8.27
0	8.50E-01	0.85
0	8.84E-01	0.81
0	7.03E-01	0.59
224	2.98E-01	0.90
0	1.65E-01	2.95
0	8.97E-01	0.82
1	1.85E-01	1.53

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1009	7.25E-01	1.04
0	8.42E-01	0.75
0	4.69E-01	0.52
0	6.79E-01	0.72
0	8.67E-01	1.16
0	1.27E-01	1.55
0	8.26E-01	0.72
0	7.93E-01	0.92
15	5.08E-01	0.88
0	4.25E-01	1.56
23	5.49E-01	0.91
1	7.75E-01	1.07
0	5.62E-01	1.33
2	9.11E-01	0.97
8	5.94E-01	0.91
7	6.08E-01	0.91
0	8.90E-01	0.93
1	9.90E-01	1.01
0	3.06E-02	0.20
0	7.14E-01	1.43
1	8.21E-01	0.93
0	5.70E-01	0.61
17	4.07E-01	0.88
0	1.50E-01	3.91
45	5.07E-01	0.92
0	2.19E-01	0.20
141	7.62E-01	1.03
292	8.79E-01	0.99
0	6.68E-01	0.71
7	8.81E-01	1.03
0	9.23E-01	0.93
14	6.20E-01	0.92
6	3.20E-01	1.22
0	3.17E-01	0.42
1197	2.89E-01	0.89
0	4.48E-01	1.92
0	4.66E-01	1.51
331	9.28E-01	1.01
327	9.95E-01	1.00
0	4.00E-01	0.45
1	6.28E-01	0.84
0	5.03E-01	1.55
0	4.60E-01	0.65

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.87E-01	1.01
0	9.57E-01	1.08
14	9.54E-01	0.99
0	9.06E-01	0.94
13	8.12E-01	0.96
0	9.03E-01	1.16
0	4.23E-01	1.79
0	9.88E-01	0.99
1	1.75E-01	3.36
0	8.05E-01	0.69
11	8.44E-01	1.04
0	3.29E-01	0.45
0	4.00E-01	1.52
0	3.78E-01	0.75
0	9.24E-02	0.23
1	1.46E-01	1.52
0	2.41E-01	0.49
0	4.63E-03	4.11
0	1.55E-01	5.22
0	4.51E-02	10.56
128	1.51E-01	1.16
0	1.85E-01	2.22
0	3.29E-01	2.74
0	8.39E-01	1.39
0	8.80E-01	0.94
8	3.58E-01	0.86
0	1.80E-01	1.72
0	5.03E-01	1.23
1521	3.88E-01	1.13
0	9.91E-01	0.99
0	5.05E-01	0.70
0	8.10E-01	0.71
0	6.75E-01	1.30
0	1.10E-01	0.33
0	5.43E-02	0.06
0	2.12E-01	3.69
0	8.20E-01	1.30
0	7.13E-01	0.72
0	8.35E-01	1.26
0	4.25E-01	2.03
0	6.82E-02	4.07
85	4.49E-01	0.92
0	1.79E-01	2.83

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

85	4.51E-01	0.92
84	3.64E-01	0.90
0	7.51E-01	0.60
763	7.28E-01	1.03
0	1.11E-02	7.51
2	1.11E-01	1.58
2	3.16E-01	1.37
0	7.61E-01	1.76
2	7.86E-01	1.08
0	5.39E-01	1.68
145	8.85E-01	0.99
0	7.61E-01	1.24
0	9.32E-01	1.09
0	7.74E-01	0.76
0	7.46E-01	0.67
0	8.70E-01	0.83
55	2.26E-01	0.86
0	9.26E-01	0.97
2	2.77E-01	0.73
0	2.57E-01	0.23
0	5.43E-01	0.51
0	5.08E-01	0.41
0	8.28E-01	1.43
0	9.93E-01	0.99
0	6.47E-01	0.65
0	2.81E-01	1.76
0	1.96E-01	0.46
0	9.54E-01	1.03
0	6.24E-01	1.30
1	8.09E-01	0.91
0	4.84E-01	0.66
19	7.24E-01	0.95
19	7.60E-01	0.95
1757	1.91E-01	1.34
1	9.43E-01	1.02
0	2.84E-01	1.63
0	3.87E-01	0.46
0	5.86E-01	0.68
0	2.91E-01	0.57
97	4.44E-01	1.09
0	8.84E-01	1.11
0	8.84E-01	1.11
0	6.21E-01	0.51

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

22	5.88E-01	0.92
118	7.96E-01	1.03
0	1.47E-01	2.62
0	4.36E-02	2.21
0	9.31E-01	0.92
0	2.76E-01	2.52
117	6.96E-01	1.04
0	2.49E-01	0.24
1	9.87E-01	1.00
0	7.52E-01	0.84
0	6.01E-01	1.29
0	9.07E-01	1.08
0	9.38E-01	0.91
0	9.11E-01	1.05
0	6.09E-01	1.45
0	1.97E-01	1.99
11	8.98E-01	1.02
0	4.59E-01	0.47
0	4.11E-02	9.21
0	9.96E-01	1.01
0	4.98E-01	0.43
0	7.26E-01	1.70
27	6.12E-01	1.07
0	8.49E-01	0.88
15	4.49E-01	1.13
27	1.02E-01	1.25
0	5.71E-02	6.86
0	8.96E-01	1.20
686	5.28E-01	0.94
1	8.37E-01	1.09
0	5.20E-01	0.74
0	6.42E-01	1.46
0	5.00E-01	0.56
0	6.87E-01	0.85
0	8.97E-01	0.89
0	7.48E-01	0.70
0	3.17E-02	2.78
0	2.68E-01	1.48
0	7.28E-01	1.43
0	4.58E-01	0.76
0	8.66E-02	1.74
0	8.00E-01	0.70
565	4.47E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

3	5.80E-01	0.87
0	3.39E-01	1.49
2	8.77E-01	0.96
0	4.08E-01	2.52
1	5.55E-02	1.72
0	8.16E-01	1.15
0	8.00E-01	2.13
152	2.17E-01	0.88
0	4.22E-01	0.71
0	5.80E-01	0.80
0	2.23E-01	3.64
5	7.68E-01	1.06
461	8.45E-01	1.02
1	2.90E-01	0.45
0	9.64E-01	1.04
4	4.65E-01	0.83
0	3.11E-01	0.55
0	1.67E-01	0.47
0	9.66E-01	0.96
0	2.59E-01	0.25
1	8.00E-01	0.93
0	2.33E-01	2.80
0	9.49E-01	1.03
0	6.16E-01	1.59
0	5.17E-01	1.29
3	2.71E-01	1.28
0	4.13E-01	0.65
0	1.04E-01	5.10
9	1.48E-01	1.29
4	1.96E-01	1.26
0	4.14E-01	2.32
0	8.27E-01	1.12
0	8.73E-01	1.10
0	9.58E-01	1.06
0	5.01E-01	1.46
0	3.39E-01	2.40
0	6.46E-01	0.51
0	5.94E-01	0.74
1	4.93E-02	0.36
0	2.57E-01	3.88
0	4.88E-01	0.59
0	6.68E-01	0.53
0	3.63E-01	2.57

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.68E-01	0.53
0	1.09E-01	2.79
0	4.44E-01	1.73
16	4.14E-02	1.34
955	2.31E-01	0.89
0	5.65E-02	5.36
0	8.70E-01	1.08
516	9.94E-01	1.00
0	6.35E-02	10.11
54	7.06E-01	1.05
0	1.52E-01	3.00
51	4.73E-01	0.92
29	6.17E-01	1.07
31	5.99E-01	1.07
0	8.48E-01	0.78
1204	5.02E-01	0.93
1	5.64E-01	0.67
0	9.07E-01	0.95
3	5.66E-01	1.18
0	5.81E-01	1.48
0	1.75E-01	4.87
35	6.80E-01	0.95
964	9.53E-01	0.99
1282	3.86E-01	1.10
5	2.78E-01	0.79
0	6.68E-01	0.79
170	2.86E-01	0.90
1227	8.89E-01	1.02
0	6.99E-01	0.58
0	3.14E-01	0.26
0	9.45E-01	1.06
0	6.45E-01	0.67
0	5.53E-01	1.80
19	9.86E-01	1.00
0	6.88E-01	1.23
0	8.21E-01	0.81
0	5.20E-01	1.37
0	4.62E-01	0.53
0	8.94E-01	1.07
0	2.74E-02	4.84
0	2.50E-02	11.22
0	9.50E-01	1.07
1	3.68E-01	1.20

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.68E-02	1.97
168	6.84E-01	1.04
167	6.55E-01	1.05
0	7.73E-01	1.45
10	1.74E-01	0.79
0	5.84E-01	0.47
7	5.46E-01	0.89
10	8.94E-01	0.98
28	5.45E-01	0.92
0	7.58E-01	0.81
0	9.77E-01	1.02
0	8.61E-01	1.17
0	8.61E-01	1.17
0	8.17E-01	1.20
1	7.73E-02	0.46
2	4.19E-01	0.81
5	7.29E-01	0.94
87	6.17E-01	0.95
0	8.31E-02	0.27
82	5.88E-01	0.94
0	7.43E-01	1.10
3	5.53E-01	1.25
0	6.17E-01	1.30
64	7.16E-02	1.23
2	1.69E-01	0.69
0	1.94E-01	0.28
0	9.38E-01	1.08
0	6.17E-02	0.38
1879	6.60E-01	0.83
46	6.19E-02	1.25
0	2.29E-01	2.62
0	5.37E-01	0.65
0	3.22E-02	5.86
0	9.12E-01	1.19
159	8.85E-01	1.01
0	9.58E-01	1.04
0	7.53E-01	0.89
0	6.97E-01	0.85
0	6.45E-01	1.40
0	6.45E-01	1.40
0	8.02E-01	1.27
0	4.84E-01	2.10
0	9.16E-01	0.90

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.76E-01	0.30
53	3.67E-01	0.89
1	3.60E-01	1.30
888	4.28E-01	0.93
0	2.88E-01	2.27
0	1.17E-01	0.13
1	1.62E-01	0.65
0	7.24E-01	1.38
2	9.59E-01	0.99
0	7.47E-03	11.10
0	3.85E-01	0.67
0	6.80E-01	1.28
0	4.37E-01	2.01
134	7.65E-01	0.97
0	9.02E-01	1.07
15	6.90E-01	0.94
2	8.79E-01	0.96
0	4.19E-01	0.55
2	6.22E-01	0.88
0	6.52E-01	1.24
0	7.36E-01	1.15
0	9.15E-01	1.03
0	1.07E-02	0.43
0	6.95E-02	1.55
0	1.11E-01	0.52
0	5.05E-01	0.76
0	6.30E-01	0.81
1	8.20E-01	0.69
0	4.47E-01	0.73
0	3.67E-01	0.42
0	4.07E-01	0.37
0	6.49E-01	0.61
0	8.46E-01	0.87
88	2.09E-01	1.15
0	5.07E-01	1.23
0	8.88E-02	5.02
0	7.57E-01	1.41
0	3.00E-01	0.27
2	9.90E-01	1.00
0	9.41E-01	1.08
0	6.98E-01	0.88
0	7.32E-01	0.71
0	5.68E-01	1.71

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1622	6.35E-01	1.08
75	9.58E-01	0.99
0	7.93E-01	0.69
0	8.92E-01	0.82
0	2.24E-01	0.33
0	1.51E-02	7.19
0	8.28E-01	1.19
108	3.41E-01	0.90
0	3.06E-01	0.38
0	4.17E-01	1.74
0	7.43E-01	1.43
1	2.19E-01	1.44
0	1.54E-01	0.11
0	9.20E-01	1.11
0	3.40E-01	1.72
8	4.54E-01	1.14
1	8.66E-01	1.09
0	3.34E-01	0.65
0	1.20E-01	4.67
0	6.27E-01	0.79
0	3.34E-01	0.48
0	3.34E-01	0.48
517	7.57E-02	0.86
0	8.37E-01	1.08
0	3.95E-01	0.74
19	8.84E-01	0.98
0	1.17E-01	0.37
4	8.19E-01	1.05
1	9.40E-01	0.98
0	5.13E-01	1.81
0	4.55E-01	1.30
2	9.70E-01	1.02
0	7.84E-01	1.18
0	1.29E-01	0.35
0	3.86E-01	2.86
0	5.37E-01	2.05
56	8.81E-01	0.98
0	7.37E-01	1.51
0	9.36E-01	0.92
389	1.11E-01	0.87
0	9.61E-02	0.61
1	7.10E-01	1.14
1	7.10E-01	1.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

57	4.74E-02	0.78
8	3.97E-01	0.86
0	7.43E-01	1.29
0	2.14E-01	0.34
2	7.39E-03	0.41
1	9.47E-01	0.95
22	9.83E-02	0.77
0	7.47E-01	0.71
0	7.05E-01	0.83
0	7.51E-01	1.34
0	7.46E-01	1.23
0	7.89E-01	0.78
1	8.86E-03	2.22
1	1.65E-01	1.51
0	6.00E-01	1.50
9	6.05E-01	0.91
0	5.54E-01	1.28
0	9.42E-01	0.91
0	5.20E-01	0.49
0	5.02E-01	1.55
7	2.25E-01	1.25
25	6.02E-01	1.08
1279	6.08E-01	1.06
0	2.21E-01	3.50
0	4.37E-01	2.16
5	8.17E-01	0.94
0	9.20E-01	1.10
85	7.22E-01	0.96
0	9.77E-01	1.02
0	5.92E-01	1.21
0	5.17E-01	2.19
16	7.41E-01	1.06
792	8.09E-01	0.98
0	5.82E-01	0.47
0	8.26E-01	0.73
3	6.45E-01	0.89
544	6.66E-01	0.96
0	6.29E-02	8.35
0	7.19E-01	0.65
546	6.88E-01	0.96
0	9.84E-01	1.02
141	5.48E-01	0.94
26	6.00E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.37E-01	1.81
0	9.73E-01	0.98
0	3.00E-01	2.22
0	8.59E-01	1.18
0	6.87E-01	0.82
41	6.08E-01	1.06
2	5.14E-01	1.18
0	2.42E-01	0.18
2	5.83E-01	1.15
2	5.20E-01	1.17
0	1.55E-01	3.04
5	7.06E-01	1.09
0	2.47E-01	3.44
0	8.30E-01	0.85
0	9.48E-01	1.04
0	1.17E-01	0.16
0	3.59E-01	0.47
3	4.11E-01	1.23
0	3.13E-01	2.09
0	5.50E-01	0.45
0	5.78E-01	0.75
0	8.00E-02	9.68
1	5.38E-01	1.20
0	1.85E-01	2.20
1	6.66E-01	0.86
0	8.08E-01	1.25
0	1.29E-01	0.10
0	8.55E-01	0.91
3	7.60E-01	0.92
0	7.49E-01	0.64
0	1.07E-01	5.14
0	3.49E-01	2.28
0	9.29E-01	1.07
0	5.06E-01	2.06
0	4.68E-01	2.66
0	2.66E-01	2.18
0	5.70E-01	1.69
0	8.05E-01	0.74
54	8.69E-01	0.98
1	2.90E-01	1.43
10	4.93E-01	1.12
0	3.79E-01	2.00
0	7.28E-01	0.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.29E-01	0.64
0	3.98E-01	0.47
0	6.71E-01	1.13
0	6.85E-01	0.67
0	6.92E-01	0.68
0	3.88E-01	1.89
0	6.35E-01	1.33
0	4.10E-01	2.12
1	6.53E-01	1.30
0	7.03E-01	1.38
0	2.60E-01	2.50
0	2.86E-01	0.19
562	7.20E-01	1.03
724	7.11E-01	1.04
2	3.71E-02	1.87
0	1.71E-01	4.34
0	3.43E-01	2.82
132	8.71E-01	0.98
0	7.29E-01	1.24
0	1.59E-01	4.72
1	7.68E-01	1.11
0	5.76E-01	1.23
0	8.48E-01	0.76
740	1.32E-01	1.15
0	1.81E-01	2.16
1101	3.52E-01	1.10
0	6.17E-01	1.24
14	4.92E-01	0.89
0	2.22E-01	3.86
8	5.55E-01	0.88
1	2.20E-01	1.75
0	2.72E-01	2.88
12	7.52E-01	1.06
13	4.70E-01	1.14
0	3.39E-01	2.10
0	3.38E-02	0.07
0	2.43E-01	0.24
0	5.96E-01	1.47
0	3.15E-01	0.40
0	1.69E-02	4.88
13	5.27E-01	1.12
0	2.68E-01	4.08
0	1.41E-01	5.86

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.32E-01	0.60
0	1.36E-01	2.29
0	1.53E-01	0.12
0	4.27E-01	2.29
0	7.03E-02	4.43
0	2.04E-01	0.36
0	7.75E-01	0.70
1	3.85E-01	1.31
22	6.62E-01	1.07
23	7.95E-01	1.04
23	8.12E-01	1.04
0	6.83E-02	1.60
0	3.05E-01	2.26
6	9.76E-01	1.01
23	9.62E-01	1.01
0	4.25E-02	7.48
0	8.07E-01	0.77
0	2.06E-01	2.49
0	6.29E-02	0.22
0	6.61E-01	0.62
0	3.96E-01	0.33
0	3.88E-01	1.54
0	2.76E-01	3.27
0	7.98E-01	0.78
10	5.25E-01	0.89
0	4.89E-01	1.54
0	1.97E-01	3.00
0	1.54E-01	0.36
0	1.54E-01	0.36
0	1.92E-01	3.89
0	7.51E-01	0.66
0	8.46E-01	1.25
0	6.41E-01	1.68
0	4.11E-01	1.61
199	5.44E-01	1.06
0	1.51E-01	2.44
0	5.45E-01	0.69
0	7.65E-01	0.75
0	8.78E-01	0.93
0	5.89E-01	0.68
0	9.73E-01	1.02
0	7.35E-01	1.18
0	7.81E-01	0.85

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.44E-01	2.31
0	2.99E-01	0.60
149	7.75E-01	0.97
2	6.94E-01	1.11
0	5.26E-01	1.81
0	9.89E-01	0.98
0	5.05E-01	1.72
920	3.34E-01	0.91
0	2.64E-01	2.48
294	5.74E-01	0.95
0	9.98E-01	1.00
219	2.58E-01	0.90
0	8.15E-01	0.75
0	6.17E-01	1.92
0	6.17E-01	1.92
52	9.04E-01	0.99
1	6.37E-01	1.16
0	7.56E-01	0.78
0	8.88E-01	1.14
0	5.80E-01	0.47
2	3.67E-01	0.72
0	5.72E-01	1.31
1	1.56E-01	1.39
0	8.35E-01	1.23
1918	7.36E-01	0.71
0	5.40E-02	6.56
0	5.89E-01	0.62
0	2.42E-01	0.34
0	2.56E-01	1.90
0	6.30E-01	0.58
0	8.36E-01	0.73
0	7.60E-01	1.27
0	2.74E-01	2.79
0	4.22E-01	0.34
0	6.32E-01	1.26
0	6.24E-01	1.37
0	7.51E-01	0.78
0	8.90E-01	0.82
6	3.56E-01	0.84
5	8.63E-01	0.96
20	8.66E-02	1.28
0	3.22E-01	2.88
0	2.68E-01	2.92

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

144	3.74E-01	1.09
210	2.71E-01	1.11
188	4.30E-01	1.08
0	9.39E-02	2.21
0	3.69E-01	1.87
0	3.26E-01	0.62
11	6.98E-01	0.94
0	1.85E-01	0.23
0	7.43E-01	0.90
561	3.88E-01	1.08
128	5.39E-01	1.06
1	4.85E-01	1.25
0	4.81E-02	2.02
270	2.13E-01	0.89
12	8.74E-02	1.33
0	4.00E-01	1.95
72	6.31E-01	0.95
1828	3.67E-01	1.32
0	6.79E-01	1.31
28	2.08E-01	1.19
0	5.94E-01	1.21
0	6.90E-02	1.94
333	1.70E-01	0.88
7	7.53E-02	0.70
0	1.23E-01	6.08
0	8.62E-01	1.18
0	3.69E-01	2.07
0	3.62E-01	2.44
0	8.52E-02	2.19
0	4.35E-01	1.73
0	8.55E-01	0.77
1	4.88E-01	1.51
589	8.82E-01	0.99
1	3.31E-01	0.68
1	4.49E-01	0.67
0	5.14E-01	2.44
0	9.16E-01	0.93
0	8.39E-01	1.22
0	8.53E-01	1.34
0	8.83E-01	0.80
0	4.99E-01	2.15
1	5.78E-01	0.81
1	2.09E-01	0.57

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.59E-01	0.84
0	7.03E-01	1.42
1467	4.59E-01	0.91
1	2.90E-01	1.70
1468	3.42E-01	0.88
0	7.16E-01	0.78
168	6.68E-01	1.04
0	2.01E-01	2.49
0	1.99E-01	0.48
8	9.12E-01	0.98
0	3.49E-03	5.16
1	2.67E-01	1.37
4	8.87E-01	0.97
4	2.12E-01	1.27
168	6.73E-01	1.04
1	8.08E-01	0.91
0	2.20E-01	0.49
169	5.46E-01	1.06
2	2.78E-01	1.33
0	7.69E-01	1.65
0	4.33E-01	0.84
286	9.05E-01	1.01
1	4.83E-01	0.83
6	5.09E-01	0.86
0	5.76E-01	0.60
89	1.79E-02	1.29
0	7.87E-01	0.89
0	2.92E-01	0.36
0	7.69E-04	26.17
6	3.40E-02	1.55
182	4.75E-01	0.93
0	8.91E-01	1.07
0	4.26E-01	0.40
0	4.66E-01	0.47
1	2.24E-01	2.46
1	6.73E-01	0.79
22	3.98E-01	1.13
0	4.87E-01	0.78
1	3.71E-01	2.08
0	2.79E-01	0.72
1	5.92E-01	0.81
25	8.97E-01	0.98
0	7.59E-01	0.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.47E-01	0.80
0	1.08E-01	0.14
10	6.59E-01	1.08
25	9.78E-01	1.00
0	7.98E-01	0.67
0	8.05E-01	1.21
0	8.05E-01	1.21
0	8.05E-01	1.21
0	8.21E-01	1.19
1690	7.53E-01	1.06
0	8.53E-01	1.19
0	7.97E-01	1.51
648	3.47E-01	0.92
0	7.28E-02	3.32
0	2.77E-01	0.41
0	6.70E-01	0.64
0	3.93E-01	0.69
0	3.00E-01	0.69
0	9.22E-01	0.86
0	5.18E-01	0.40
0	7.32E-01	1.43
9	2.87E-03	0.53
0	1.28E-01	3.75
3	1.23E-01	0.71
1	6.02E-02	0.49
0	4.30E-01	1.77
0	9.97E-01	1.00
0	5.67E-01	0.46
0	4.01E-01	2.28
0	2.91E-01	0.55
2	8.96E-01	0.96
0	2.48E-01	2.11
0	4.77E-01	0.40
0	5.14E-01	3.31
0	7.30E-01	1.46
0	8.25E-01	0.94
0	2.17E-01	3.78
0	1.78E-01	1.73
79	8.66E-01	0.98
0	2.61E-01	0.34
0	6.11E-01	0.68
0	9.44E-01	1.08
0	1.28E-01	2.92

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.98E-01	1.15
0	6.20E-01	0.84
0	3.69E-01	1.69
0	6.85E-01	0.86
25	1.78E-01	0.83
0	2.29E-01	0.21
1	1.73E-01	0.58
0	9.79E-01	1.03
0	9.01E-02	0.20
0	9.53E-01	1.06
0	6.05E-01	0.60
0	6.79E-01	0.90
2	7.95E-02	1.67
747	1.98E-01	0.89
0	3.83E-01	2.43
6	3.44E-01	0.80
0	4.70E-01	2.03
0	4.43E-01	0.56
0	2.37E-01	0.49
0	9.56E-01	1.02
0	7.28E-01	0.88
0	5.99E-01	1.69
0	4.01E-01	1.34
0	3.12E-01	0.41
1482	2.47E-01	1.18
32	3.95E-01	0.89
0	3.12E-01	0.41
1	4.95E-01	1.48
0	2.01E-01	1.60
1	9.21E-01	1.03
0	3.25E-01	3.38
0	2.83E-01	0.40
1	8.68E-01	1.11
0	2.83E-01	0.40
1	8.68E-01	1.11
0	7.45E-01	1.42
0	9.88E-01	0.98
0	6.36E-02	8.86
0	1.90E-01	3.09
1	4.21E-01	0.63
0	3.95E-01	0.55
1	8.28E-01	0.89
0	3.95E-01	0.55

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.60E-01	3.92
0	9.98E-01	1.00
0	8.71E-01	0.86
0	9.21E-01	0.93
210	8.80E-01	1.01
0	8.82E-01	1.07
1	3.04E-01	2.06
0	8.26E-01	1.07
0	8.54E-01	0.85
0	6.27E-01	1.41
2	2.37E-01	1.30
2	2.29E-01	1.31
0	4.88E-02	0.23
0	9.89E-01	1.02
0	8.95E-01	0.93
0	5.72E-01	0.55
1	6.58E-01	1.21
0	8.28E-01	1.24
0	9.93E-02	2.85
646	7.41E-01	1.03
650	7.18E-01	1.03
54	5.30E-01	0.93
0	3.97E-01	0.81
239	2.57E-01	0.90
0	4.21E-01	1.44
0	1.27E-01	0.14
390	3.92E-01	1.08
0	4.73E-01	1.87
460	3.88E-01	0.92
0	2.16E-01	0.67
0	5.46E-01	0.39
103	1.92E-01	0.87
0	3.14E-02	2.29
0	3.62E-02	0.04
0	7.22E-01	0.89
0	6.32E-01	1.59
21	7.20E-01	1.05
0	8.57E-01	1.27
0	1.92E-01	1.95
0	9.27E-01	1.06
0	8.01E-01	1.31
0	7.48E-02	1.91
18	4.01E-01	1.13

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.29E-01	0.22
0	1.99E-01	0.17
1	1.32E-01	0.50
1	2.17E-01	0.55
0	9.21E-01	1.07
0	1.33E-01	0.44
0	1.99E-02	15.25
760	7.93E-01	1.02
0	8.00E-01	1.09
2	5.43E-01	1.18
0	9.05E-01	1.08
1	4.44E-01	1.23
0	1.40E-01	0.45
0	8.44E-01	1.11
1836	6.25E-01	1.15
0	2.97E-01	2.31
1	6.46E-01	1.24
0	3.04E-01	0.48
0	2.08E-01	0.62
56	4.45E-01	1.10
0	3.33E-04	25.99
0	5.02E-01	1.72
82	5.26E-01	0.93
0	5.80E-02	0.10
0	6.34E-01	1.27
0	2.81E-01	2.29
0	3.34E-01	0.41
0	7.17E-02	0.07
167	2.01E-01	0.88
0	8.33E-01	1.09
0	4.13E-01	1.33
0	4.13E-01	1.33
0	9.22E-02	4.34
0	3.28E-03	4.72
0	8.97E-01	1.14
0	7.81E-01	0.72
0	7.24E-01	0.76
0	8.37E-01	1.30
0	1.58E-01	3.26
41	8.06E-01	1.03
1	7.65E-01	0.92
72	1.83E-01	0.86
0	5.46E-01	0.44

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	3.49E-01	0.56
0	5.30E-01	1.84
0	5.23E-01	0.40
52	1.36E-01	1.20
0	9.55E-01	1.09
0	8.20E-01	0.72
0	5.82E-01	1.78
0	7.50E-02	5.19
0	9.94E-01	1.00
0	8.58E-01	1.08
0	4.92E-01	1.50
0	9.38E-01	1.03
0	3.16E-01	0.40
0	6.18E-01	1.58
1	9.29E-01	0.97
0	7.44E-01	0.63
0	7.13E-01	1.23
46	2.80E-01	0.87
0	4.88E-01	1.79
0	3.48E-01	0.35
0	6.35E-01	1.18
0	4.96E-01	2.41
0	3.05E-01	0.23
0	5.69E-01	1.31
24	2.64E-01	1.17
0	3.44E-01	0.29
0	2.61E-01	0.26
0	9.64E-01	0.97
3	1.34E-01	0.70
0	3.23E-01	0.77
0	2.32E-01	0.20
11	4.11E-01	1.15
308	3.57E-01	1.09
0	1.69E-01	0.23
3	1.74E-01	0.75
279	7.22E-01	1.03
3	7.42E-01	1.08
2	7.28E-01	0.90
0	9.66E-01	0.94
0	2.55E-01	1.91
0	2.58E-02	4.78
176	1.44E-01	1.15
14	3.96E-01	1.15

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

49	6.50E-01	1.05
170	3.98E-01	0.92
0	1.03E-01	0.12
0	8.31E-02	4.88
4	9.06E-01	1.02
114	5.31E-01	1.07
245	6.93E-01	1.04
2	6.08E-01	0.86
0	3.49E-01	2.55
0	2.04E-01	3.22
0	5.93E-02	9.52
1462	4.77E-02	1.33
1468	4.97E-02	1.32
12	2.37E-02	1.42
11	3.49E-02	1.39
11	3.19E-02	1.40
11	3.49E-02	1.39
0	8.64E-01	0.81
0	3.23E-01	2.01
0	2.81E-01	0.49
0	8.29E-01	0.73
0	2.98E-01	0.51
0	3.85E-01	1.73
0	7.06E-01	1.40
0	2.20E-02	5.05
0	9.68E-01	0.94
0	2.37E-01	1.51
0	9.73E-01	0.98
0	7.40E-01	0.65
0	7.81E-01	1.16
0	5.39E-01	2.86
53	1.75E-01	0.84
998	2.68E-01	1.12
0	8.77E-01	1.18
0	9.20E-01	0.93
0	5.54E-01	0.45
0	4.15E-02	2.04
0	9.40E-01	0.92
0	7.81E-01	0.70
1	3.50E-01	1.40
0	2.67E-01	0.61
0	6.74E-01	1.18
0	8.88E-01	1.04

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.33E-01	0.97
0	1.39E-01	2.57
0	3.01E-01	0.34
7	5.80E-02	1.38
38	4.10E-01	0.90
0	3.64E-01	1.36
0	7.92E-01	1.25
3	6.39E-01	0.90
0	9.58E-03	0.36
1	4.72E-01	0.75
0	1.67E-01	0.14
0	3.75E-01	0.74
1	7.81E-01	0.85
1	4.41E-01	0.65
1	4.41E-01	0.65
37	6.65E-01	1.06
0	4.68E-01	0.66
0	6.51E-01	0.52
143	4.36E-01	1.08
0	3.44E-01	1.83
0	2.46E-01	2.61
0	5.43E-01	1.42
1	2.95E-01	1.62
0	1.78E-01	0.27
0	9.74E-01	0.96
0	5.53E-01	0.56
0	3.16E-01	2.65
0	2.31E-01	0.41
28	6.84E-01	0.94
85	6.20E-01	1.06
2	3.18E-01	0.72
10	8.20E-01	1.04
0	9.30E-01	1.12
1913	5.60E-01	1.56
22	7.49E-01	1.04
0	9.68E-01	1.05
17	4.74E-01	1.12
0	4.22E-01	0.36
2	3.11E-01	1.33
0	6.89E-02	0.06
12	6.88E-01	1.07
3	4.80E-01	1.16
0	1.40E-01	0.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

51	9.47E-01	1.01
1727	6.98E-01	1.08
1727	7.12E-01	1.08
0	7.16E-01	1.25
256	1.92E-01	1.13
1692	6.25E-01	0.92
1778	3.75E-01	1.22
1129	3.27E-01	1.11
62	4.59E-01	0.92
0	3.97E-01	1.77
0	8.64E-01	0.76
0	7.97E-03	3.60
28	6.49E-01	0.94
27	5.88E-01	0.92
2	8.86E-01	1.03
0	5.19E-01	1.76
7	8.81E-01	1.03
0	8.52E-01	0.80
0	9.41E-01	0.97
0	2.46E-01	1.54
3	6.39E-01	0.87
50	8.82E-01	0.98
0	7.65E-01	0.83
181	8.54E-01	0.98
0	6.59E-01	0.75
181	8.48E-01	0.98
0	6.55E-01	0.71
0	8.91E-01	1.24
0	6.11E-01	1.88
38	9.31E-01	0.99
0	3.34E-01	0.30
38	9.29E-01	0.99
35	5.27E-01	1.09
0	6.10E-01	1.57
0	3.31E-01	3.03
0	5.53E-01	0.79
0	8.99E-02	7.11
14	1.30E-01	0.77
0	4.25E-01	2.38
1318	1.80E-01	1.18
0	4.87E-01	0.38
0	1.18E-01	6.24
0	3.11E-01	2.55

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	7.53E-01	0.87
4	5.32E-01	0.87
0	2.52E-01	1.83
0	1.36E-01	0.28
0	4.12E-01	2.32
0	8.06E-01	1.11
0	7.71E-01	0.66
0	1.59E-01	0.24
0	7.97E-01	1.54
0	1.44E-01	3.07
0	7.58E-01	1.33
149	6.29E-01	1.05
1758	5.58E-02	0.68
0	3.43E-01	0.65
568	7.42E-01	1.03
0	8.74E-01	0.92
0	1.65E-01	3.37
1	4.80E-01	0.71
1266	8.36E-01	1.02
291	5.59E-01	0.95
0	2.71E-01	3.27
2	7.00E-01	1.11
716	7.69E-01	0.97
1	7.14E-02	0.37
1	5.85E-01	0.67
0	3.77E-01	2.11
0	8.40E-02	0.36
0	8.35E-01	1.19
0	5.00E-01	0.76
0	8.62E-01	1.31
0	8.97E-01	1.16
0	3.50E-01	0.31
0	1.41E-01	0.15
0	2.11E-01	2.38
0	8.88E-02	1.47
0	2.60E-01	3.18
2	3.17E-01	1.33
0	6.36E-01	1.98
2	1.81E-01	1.43
0	4.13E-01	0.56
8	1.02E-01	0.69
1470	1.96E-01	1.20
2	3.91E-01	1.23

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	1.02E-01	1.64
0	1.53E-01	5.47
0	5.26E-01	0.69
0	6.26E-01	1.63
1	8.04E-01	0.94
0	2.20E-02	5.64
2	5.94E-01	1.18
343	2.24E-01	0.89
0	5.89E-01	0.54
342	2.06E-01	0.89
0	9.35E-01	1.07
0	4.86E-01	1.67
0	1.40E-01	0.57
0	7.66E-01	1.38
0	4.98E-01	0.70
0	8.76E-01	0.90
0	8.98E-01	1.05
0	8.15E-01	1.11
2	1.22E-01	0.67
1094	2.87E-01	1.12
0	4.59E-01	0.35
0	7.58E-01	1.21
0	7.12E-01	1.19
0	8.29E-01	1.25
38	2.01E-01	0.85
0	1.15E-01	5.13
0	4.83E-01	2.10
0	8.70E-01	1.08
0	2.70E-01	3.47
0	3.85E-02	6.37
0	5.22E-01	0.72
0	9.69E-01	0.97
0	5.50E-01	0.44
289	3.11E-01	0.91
0	6.57E-01	1.62
5	4.94E-01	0.84
159	6.38E-01	0.95
0	9.62E-01	1.06
0	9.63E-01	0.96
0	7.66E-01	0.74
5	4.93E-01	0.84
1	1.35E-01	0.66
0	1.30E-02	15.78

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.47E-02	0.22
0	3.32E-01	2.93
1922	1.00E+00	0.97
0	1.43E-01	5.18
0	9.97E-01	1.00
0	6.36E-02	0.06
0	8.94E-01	1.09
0	4.70E-01	0.38
1	4.98E-01	0.82
64	2.29E-02	1.30
0	9.50E-01	1.07
1	4.80E-01	1.29
0	2.70E-01	3.38
37	4.55E-01	1.10
0	5.84E-01	0.45
0	8.50E-02	3.59
0	8.43E-03	10.92
0	9.76E-01	0.97
0	9.67E-01	1.01
78	9.83E-01	1.00
0	2.11E-01	2.26
0	9.69E-02	0.55
0	5.83E-01	0.47
0	9.39E-01	1.06
23	5.97E-02	0.73
0	6.00E-01	0.67
0	2.15E-01	0.19
76	8.55E-01	1.02
0	6.01E-01	1.72
0	7.39E-01	1.42
457	6.14E-01	1.05
455	6.56E-01	1.04
0	8.95E-01	1.10
0	6.19E-01	1.63
0	1.51E-01	1.50
0	6.75E-01	1.40
0	4.87E-01	0.39
0	9.52E-01	0.95
0	9.93E-02	1.95
0	5.02E-01	0.71
275	2.80E-01	0.90
19	2.88E-01	1.18
6	4.27E-01	1.16

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.37E-01	1.09
0	3.22E-02	0.06
0	5.25E-01	1.40
0	1.67E-01	0.40
0	7.56E-01	0.80
1	4.22E-01	0.71
1	4.22E-01	0.71
1	4.22E-01	0.71
154	4.88E-01	0.93
0	7.96E-01	1.20
6	4.87E-01	1.15
30	1.20E-01	1.23
27	7.41E-01	0.95
27	8.35E-01	0.97
935	7.17E-01	1.04
0	9.93E-01	0.99
0	8.54E-01	1.11
0	8.69E-01	0.86
0	3.06E-01	3.05
5	4.03E-01	1.24
0	6.71E-01	0.68
0	3.43E-01	1.87
52	9.90E-01	1.00
2	3.75E-01	1.30
0	1.63E-01	0.20
1	8.69E-01	1.05
0	8.75E-01	1.09
0	9.79E-01	1.02
0	9.51E-01	1.05
281	7.16E-01	1.03
280	9.75E-01	1.00
4	1.77E-01	0.75
57	9.63E-01	0.99
0	6.29E-03	3.26
0	2.59E-02	3.00
1	1.25E-01	1.58
864	6.02E-01	0.95
898	8.71E-01	0.98
0	3.80E-01	0.30
0	2.56E-01	1.87
0	4.36E-02	5.41
11	5.65E-01	1.10
0	3.26E-01	2.58

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.99E-01	1.80
0	5.33E-01	0.46
0	7.15E-01	0.71
0	3.18E-01	1.60
1	4.85E-01	1.19
0	9.86E-01	0.99
0	9.23E-01	0.95
0	8.88E-01	0.91
3	4.30E-01	1.18
0	7.05E-01	0.57
3	2.62E-01	0.79
170	2.44E-01	1.12
165	2.64E-01	1.12
0	6.80E-01	0.57
0	9.69E-01	0.94
0	7.77E-01	0.71
0	5.29E-01	0.42
1	5.08E-01	1.20
0	4.69E-02	5.36
0	6.91E-01	1.40
0	6.91E-01	1.40
0	1.79E-01	0.20
0	3.47E-01	0.61
0	6.81E-01	0.81
0	2.01E-01	0.48
0	9.98E-01	1.00
0	6.77E-01	1.43
0	7.53E-01	1.39
0	8.67E-01	0.82
199	5.67E-01	1.06
3	4.58E-01	0.82
0	9.47E-01	1.11
6	3.99E-01	0.84
10	7.80E-01	0.95
0	1.19E-01	0.29
128	4.29E-01	0.92
0	7.75E-01	1.36
0	5.80E-01	0.46
0	7.46E-01	1.14
0	9.83E-01	1.02
0	2.68E-01	2.61
0	1.29E-01	4.89
1	6.13E-01	0.77

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.83E-01	1.01
0	3.89E-01	1.83
0	2.38E-01	3.26
0	4.77E-01	1.48
1065	2.13E-01	1.14
0	3.01E-01	2.64
1	7.73E-01	0.86
246	1.17E-01	1.16
0	8.98E-01	1.06
1	9.35E-01	0.97
5	8.79E-01	0.97
480	8.11E-01	1.02
12	4.01E-01	1.17
5	9.89E-01	1.00
0	4.50E-01	0.37
0	1.16E-01	2.38
0	4.52E-01	0.38
888	1.29E-01	1.16
0	5.09E-03	6.75
0	3.45E-02	3.20
0	3.87E-01	1.58
0	9.90E-01	0.99
2	8.15E-01	1.08
937	1.78E-01	1.14
195	8.17E-01	0.98
1553	4.58E-01	0.90
0	1.18E-02	7.70
0	6.09E-02	0.06
0	2.82E-02	2.69
12	5.01E-01	0.89
6	6.52E-01	0.92
0	2.63E-01	2.38
4	9.76E-01	0.99
34	9.38E-01	1.01
0	3.63E-01	0.25
174	6.46E-01	1.05
0	6.39E-01	0.72
0	6.84E-01	1.29
3	8.56E-01	0.96
0	7.98E-01	1.24
0	5.89E-01	0.82
15	1.61E-01	1.22
24	9.05E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.01E-01	1.29
0	2.06E-01	3.26
0	2.07E-01	3.26
0	2.07E-01	3.26
0	2.61E-01	3.02
0	8.58E-01	0.83
0	7.29E-01	0.72
0	5.95E-01	0.46
0	1.94E-01	4.05
0	5.44E-01	0.75
0	6.48E-01	1.77
0	9.78E-01	1.04
0	5.87E-01	0.45
0	8.89E-01	0.93
0	8.89E-01	0.93
0	5.90E-02	0.10
0	5.91E-01	0.86
0	8.89E-01	0.93
6	6.75E-01	0.93
0	7.37E-02	0.13
0	4.75E-01	0.37
912	4.25E-01	1.08
0	4.44E-01	0.37
0	1.13E-01	0.41
922	1.29E-01	0.87
0	5.75E-01	1.75
1	9.72E-01	1.01
510	2.16E-01	0.90
1	6.72E-01	1.20
0	9.76E-01	1.03
1	7.37E-01	0.86
0	7.14E-02	0.41
0	7.67E-01	1.28
0	6.11E-01	0.66
0	7.27E-01	1.54
0	9.03E-01	0.84
0	8.52E-01	1.34
0	5.54E-02	7.33
0	9.59E-01	0.98
0	8.16E-01	1.44
0	9.58E-01	0.96
0	1.32E-01	0.26
0	8.16E-02	3.67

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

20	3.48E-01	1.14
0	9.27E-01	1.10
0	2.71E-01	1.53
207	3.55E-01	1.09
0	2.52E-01	3.00
0	5.33E-01	0.49
0	8.64E-01	1.09
640	4.07E-01	0.93
0	6.49E-01	1.63
0	4.64E-01	2.19
0	9.82E-01	1.02
0	7.84E-01	0.83
420	2.83E-01	0.91
434	5.14E-01	0.94
0	1.27E-01	2.02
0	1.84E-02	3.46
0	9.42E-01	0.90
0	8.85E-01	1.15
0	3.43E-01	2.11
0	4.19E-01	0.71
37	9.86E-01	1.00
0	9.27E-01	1.10
0	7.58E-01	0.71
0	2.28E-01	1.74
791	3.38E-02	0.82
0	9.43E-01	1.04
4	3.20E-01	1.25
0	1.39E-01	0.19
0	3.64E-01	0.30
0	1.35E-01	0.19
6	2.22E-02	1.72
0	1.42E-01	0.12
4	4.03E-02	1.50
1922	1.00E+00	0.97
1	4.81E-01	0.75
0	3.39E-01	2.94
0	1.28E-02	3.22
0	7.60E-01	0.80
0	1.02E-01	7.02
20	4.21E-02	1.35
0	3.76E-01	0.32
0	3.57E-01	2.35
2	8.42E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	9.95E-01	1.00
0	8.85E-01	1.06
0	9.57E-01	1.07
0	2.88E-01	0.26
0	5.93E-01	1.80
0	2.02E-01	3.76
4	4.09E-01	0.83
0	7.29E-01	1.75
0	6.73E-01	0.78
0	5.05E-01	0.63
1	3.58E-01	0.57
1	2.49E-01	0.74
0	4.57E-01	0.46
2	1.37E-01	1.35
0	2.03E-02	11.93
80	3.14E-01	0.89
0	2.62E-01	0.27
0	8.55E-02	8.72
0	6.82E-01	0.73
0	6.69E-01	1.68
0	4.55E-01	1.44
0	3.73E-01	0.41
0	9.06E-01	1.10
0	6.21E-02	2.77
1	4.87E-01	1.84
0	7.40E-01	0.61
0	3.45E-01	2.86
0	1.77E-01	0.30
1	8.73E-01	1.06
0	4.21E-01	1.89
0	3.30E-01	0.28
1	8.47E-02	1.70
0	3.63E-01	2.11
1	8.32E-01	1.07
1	4.76E-01	0.76
0	1.41E-02	7.21
114	4.27E-01	0.92
1	4.76E-01	0.76
1	2.14E-01	0.59
0	3.09E-01	2.22
1	7.43E-01	0.92
0	4.90E-01	1.61
0	1.32E-01	5.31

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

7	9.30E-01	0.98
1	7.09E-01	1.15
27	6.11E-02	0.77
1468	5.46E-01	1.08
0	7.30E-01	1.33
0	1.39E-01	0.41
0	4.34E-01	0.35
1	6.52E-01	1.44
0	5.83E-01	1.80
0	7.60E-01	0.65
0	9.36E-01	1.04
0	3.69E-01	2.64
40	5.73E-01	0.93
0	7.84E-01	0.77
10	6.89E-01	0.93
1	6.94E-01	0.91
0	4.96E-01	0.75
53	9.60E-01	1.01
0	3.45E-01	2.08
1035	5.72E-01	1.06
1	7.27E-01	0.89
12	6.54E-01	1.07
12	7.46E-01	1.05
12	7.46E-01	1.05
0	4.98E-02	9.62
0	6.09E-03	0.18
0	3.06E-01	0.29
0	4.32E-01	0.51
0	7.30E-01	1.42
0	7.40E-01	1.13
13	2.84E-01	0.83
0	1.99E-01	4.29
0	6.40E-01	1.66
0	7.93E-01	0.71
1	2.02E-01	0.74
0	8.23E-01	0.73
0	8.44E-01	0.80
0	6.67E-01	1.50
0	6.45E-01	0.64
0	3.42E-01	0.45
0	6.75E-01	1.34
1	3.43E-01	1.86
19	1.52E-01	0.77

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

45	9.23E-01	0.99
0	3.12E-01	1.80
0	6.03E-01	1.83
0	8.57E-02	3.06
0	8.42E-01	1.24
2	5.77E-02	0.40
0	3.36E-01	0.25
0	3.99E-01	1.49
0	1.92E-01	0.20
35	3.59E-01	0.89
0	9.30E-01	0.93
255	4.49E-01	1.07
0	9.71E-01	0.95
0	1.69E-01	1.60
0	3.92E-01	0.40
27	8.14E-01	1.03
0	8.45E-01	0.78
0	4.35E-01	2.16
0	3.87E-01	1.48
67	4.19E-01	1.10
0	8.56E-01	1.26
0	4.32E-01	2.38
0	9.93E-01	1.00
0	7.07E-01	1.31
0	2.64E-01	1.65
0	4.74E-01	0.52
12	6.81E-01	1.07
3	2.05E-02	0.50
3	6.37E-01	1.17
0	7.36E-01	0.68
0	8.72E-01	0.80
0	5.33E-01	1.39
21	3.32E-01	0.86
0	7.15E-01	1.81
4	9.28E-02	0.63
0	1.54E-02	0.11
0	1.80E-01	1.67
2	6.72E-01	1.12
0	7.15E-01	1.81
0	9.10E-01	0.87
358	4.19E-01	1.08
0	1.37E-01	0.18
0	7.20E-01	1.43

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

57	6.41E-01	0.95
0	3.15E-01	0.45
0	6.30E-01	1.72
0	7.20E-01	1.43
1481	9.90E-01	1.00
60	9.12E-01	0.99
0	4.62E-01	1.67
6	6.96E-01	0.93
0	5.65E-01	0.67
0	4.84E-01	0.46
0	7.47E-01	1.40
0	7.03E-01	0.74
0	5.09E-02	4.61
0	7.92E-01	0.80
0	9.11E-01	0.89
0	4.01E-01	2.72
0	5.50E-01	0.45
2	9.55E-01	0.99
0	7.10E-01	1.22
0	9.60E-02	2.45
1	6.47E-01	1.23
0	7.21E-01	1.34
0	8.05E-01	0.94
1	9.94E-01	1.00
0	1.62E-01	4.89
3	5.37E-01	0.87
0	6.32E-01	0.67
0	4.98E-01	1.48
985	8.39E-01	0.98
1	5.62E-01	0.53
0	1.96E-01	0.14
0	6.36E-01	1.62
4	4.67E-01	1.16
0	2.34E-01	0.59
0	4.83E-01	0.50
0	8.54E-01	1.19
155	2.81E-01	1.11
3	4.93E-01	1.20
0	3.43E-01	2.88
0	6.82E-01	1.45
0	3.39E-01	2.69
0	9.79E-01	0.97
0	8.50E-01	0.85

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.65E-01	0.94
0	8.74E-01	1.18
0	4.45E-01	0.60
0	7.69E-01	1.72
0	5.59E-01	1.31
776	7.96E-01	0.98
0	8.68E-01	1.09
287	8.40E-01	0.98
0	1.64E-01	0.11
0	3.43E-01	2.45
0	1.18E-01	3.29
1	1.49E-01	2.15
0	3.35E-01	2.37
0	9.37E-01	0.98
0	7.82E-01	0.79
44	4.60E-01	1.10
0	3.90E-01	0.60
0	4.40E-01	0.34
0	8.01E-01	1.07
41	1.25E-01	0.81
0	1.24E-01	0.15
0	7.39E-01	1.25
1	9.43E-01	1.02
0	3.18E-01	2.29
0	7.43E-01	1.35
0	3.36E-01	0.70
0	3.03E-01	2.34
0	6.20E-01	1.22
0	3.37E-01	0.48
24	9.30E-01	0.99
0	7.05E-01	0.59
0	5.59E-01	2.03
25	5.73E-01	1.09
1	1.54E-01	0.63
26	7.98E-01	1.04
0	5.07E-01	0.69
0	5.83E-01	1.69
0	8.47E-01	1.33
0	9.76E-01	1.03
1	8.87E-01	1.07
0	1.71E-01	0.12
0	5.61E-01	2.02
0	5.53E-02	2.17

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.38E-01	2.14
26	6.22E-01	1.07
0	2.85E-01	2.31
0	6.91E-01	1.44
480	5.48E-01	0.95
90	1.99E-01	0.87
0	3.42E-01	0.60
0	8.98E-01	1.14
0	8.35E-01	1.39
5	5.78E-01	0.87
0	3.32E-01	2.25
3	2.57E-01	1.29
0	2.99E-01	2.24
0	8.97E-01	0.83
1	8.64E-02	1.95
0	2.87E-01	2.45
1922	1.00E+00	0.97
1922	1.00E+00	0.97
98	5.88E-01	0.94
0	4.71E-01	2.09
0	3.49E-02	3.55
0	4.91E-01	1.39
0	3.46E-01	1.44
0	6.43E-01	0.53
1505	7.43E-01	0.95
0	4.93E-01	0.81
7	7.05E-01	0.91
0	9.83E-01	1.03
307	2.08E-01	0.89
0	5.55E-01	2.26
0	1.37E-01	0.39
0	7.28E-02	0.42
0	5.45E-02	0.40
0	8.23E-01	0.94
0	1.90E-01	0.55
0	9.63E-01	1.01
0	4.81E-01	2.13
0	5.91E-01	0.47
3	5.96E-02	1.54
0	2.75E-02	7.29
1	7.88E-01	1.07
0	6.70E-01	0.55
0	2.09E-01	1.63

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.34E-01	0.89
293	3.25E-01	0.91
0	9.21E-01	0.86
0	1.72E-02	5.37
27	7.91E-01	1.04
0	5.74E-01	1.62
213	2.77E-01	1.11
232	1.93E-01	1.13
1922	1.00E+00	0.97
0	5.75E-01	0.69
0	7.51E-01	1.51
0	7.62E-01	0.78
16	4.28E-01	1.12
0	8.23E-01	1.44
97	2.50E-01	0.88
0	1.69E-02	5.57
0	9.42E-01	0.97
3	8.39E-01	1.05
0	1.44E-01	0.11
0	8.13E-01	1.28
5	3.98E-01	0.82
0	1.73E-02	9.61
0	8.03E-01	0.74
3	8.87E-01	0.97
30	2.91E-01	0.87
0	9.56E-01	0.96
30	3.92E-01	0.89
0	1.89E-01	0.26
0	9.53E-01	1.07
5	1.19E-01	1.32
0	5.48E-02	6.33
0	2.27E-02	10.30
0	1.30E-01	0.33
3	8.91E-01	1.04
0	1.14E-01	1.81
0	3.14E-01	2.58
0	7.88E-01	1.28
0	1.50E-01	0.43
1	5.18E-01	1.36
0	1.02E-01	4.73
1	5.25E-01	1.20
0	8.42E-01	1.07
0	1.47E-01	0.13

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

715	5.03E-01	1.06
0	6.95E-01	0.81
1	9.40E-01	0.97
1036	5.15E-01	1.07
36	6.53E-01	0.94
0	8.74E-01	1.18
0	3.89E-01	0.45
0	5.46E-01	1.63
0	3.49E-01	1.93
0	8.72E-01	0.85
0	2.62E-01	2.78
0	8.75E-01	0.83
0	7.64E-01	0.77
0	8.06E-01	1.24
24	2.17E-01	0.84
0	8.73E-01	0.91
0	2.04E-01	0.28
0	7.03E-01	1.46
0	1.90E-01	0.13
0	3.22E-01	0.40
0	9.87E-01	1.02
3	4.48E-02	1.57
0	3.40E-01	0.44
0	8.78E-01	0.92
95	2.95E-02	1.26
1	4.37E-01	0.44
0	5.70E-01	0.47
0	2.64E-01	0.25
0	8.12E-01	1.13
3	2.80E-01	0.76
0	1.40E-01	3.47
0	7.52E-01	1.23
24	5.57E-01	0.92
47	6.77E-01	1.05
0	8.26E-01	0.76
0	9.75E-01	0.95
0	2.53E-01	0.36
0	2.57E-01	2.58
0	5.37E-01	1.36
0	6.62E-01	0.83
0	9.94E-01	0.99
0	2.01E-01	2.35
0	9.37E-01	0.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.00E-01	2.56
3	1.48E-01	1.46
0	5.39E-01	0.58
0	5.88E-01	0.58
0	8.12E-01	1.20
0	3.09E-01	0.24
0	2.66E-01	1.80
0	7.06E-01	0.87
0	1.76E-01	3.86
0	6.66E-01	0.86
0	1.38E-01	0.11
160	5.81E-01	0.95
136	9.03E-01	0.99
12	4.93E-01	0.89
0	9.88E-02	0.38
311	8.71E-02	0.85
1920	5.72E-01	0.28
0	9.68E-01	0.95
309	1.20E-01	0.87
307	1.24E-01	0.87
0	9.91E-01	0.99
0	9.47E-02	0.38
0	9.68E-01	0.95
10	5.96E-01	0.91
0	3.44E-02	0.36
339	2.39E-01	0.90
6	3.49E-01	1.21
525	1.15E-01	0.87
943	2.49E-01	0.90
5	2.92E-01	0.83
5	2.92E-01	0.83
0	6.87E-01	0.73
1	7.74E-01	0.90
467	2.00E-01	1.12
466	1.68E-01	1.13
0	8.22E-01	1.31
0	3.86E-01	0.34
0	9.18E-01	1.10
0	7.98E-01	0.73
0	5.93E-01	1.72
0	5.70E-01	1.29
0	2.11E-01	0.16
1	3.48E-01	1.33

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

4	9.58E-01	1.01
10	1.13E-01	1.33
87	5.33E-01	0.93
0	1.26E-01	3.41
0	6.76E-01	0.62
87	5.07E-01	0.93
0	3.70E-01	0.46
0	4.76E-01	1.78
0	6.27E-01	0.66
3	9.40E-01	0.98
0	7.66E-01	0.82
1	7.20E-01	1.11
3	4.56E-01	1.15
0	2.98E-01	0.26
387	9.47E-01	1.01
0	3.89E-01	2.11
0	9.15E-01	1.07
0	2.64E-01	2.42
6	4.98E-01	0.87
0	4.38E-02	0.07
92	7.30E-01	0.96
2	2.47E-01	1.31
2	1.50E-01	1.41
199	6.13E-01	1.05
0	2.93E-01	3.12
624	8.44E-02	0.85
0	7.52E-01	1.30
57	9.41E-01	1.01
19	4.49E-01	1.12
0	2.45E-01	4.66
2	1.19E-01	1.45
456	2.91E-01	1.10
0	6.86E-02	6.15
48	8.23E-02	1.22
0	7.15E-01	1.13
0	7.15E-01	1.13
1173	1.74E-01	0.86
86	7.76E-01	1.03
0	2.99E-01	0.35
0	3.66E-01	2.57
10	5.43E-01	1.12
0	5.39E-01	1.29
584	9.70E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.33E-01	1.33
0	7.93E-01	0.69
0	6.47E-01	0.62
0	6.30E-01	0.67
0	2.48E-01	3.49
21	6.45E-01	0.93
0	1.25E-01	2.22
2	4.32E-01	0.83
0	5.11E-01	1.93
0	1.84E-01	4.16
99	8.18E-01	1.03
0	6.95E-01	1.36
1	2.45E-01	1.76
1023	4.25E-01	1.09
0	2.75E-01	3.08
0	2.90E-01	3.19
0	7.58E-01	1.28
1	4.29E-01	0.65
0	3.62E-01	1.43
0	8.83E-01	1.24
0	5.49E-01	0.62
0	4.11E-01	2.58
894	5.18E-01	1.07
1	2.01E-01	1.67
0	4.49E-01	1.70
0	1.04E-01	0.10
0	8.39E-01	1.36
0	6.57E-01	0.61
0	5.15E-03	12.11
0	1.39E-01	0.31
3	6.16E-01	1.18
0	3.03E-01	0.36
763	9.00E-03	0.78
2	1.10E-01	1.42
0	6.12E-01	2.02
0	4.70E-01	0.67
0	3.31E-01	0.44
1588	4.15E-01	1.14
4	3.16E-02	1.54
1187	4.57E-01	1.08
1156	9.52E-01	1.01
0	1.70E-01	0.32
4	7.35E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

514	3.19E-01	0.92
122	9.36E-01	0.99
0	6.95E-01	1.54
0	6.17E-01	2.30
0	2.64E-01	2.04
0	2.19E-01	4.12
0	4.30E-01	0.34
0	7.58E-02	0.10
0	7.99E-01	0.69
236	2.75E-01	0.90
1	4.76E-01	1.45
0	3.64E-01	0.31
1422	5.85E-02	1.27
15	1.76E-01	1.22
22	4.93E-01	1.11
2	8.48E-01	1.09
8	4.33E-01	1.15
0	8.32E-01	1.10
867	8.81E-01	0.99
63	3.99E-01	0.91
0	9.12E-01	1.08
1266	9.36E-01	0.99
1266	9.23E-01	0.99
0	2.95E-01	3.16
91	2.31E-01	1.14
0	6.68E-01	0.68
0	4.22E-01	0.48
0	3.38E-01	1.59
0	1.91E-01	2.07
1416	1.43E-02	0.74
0	9.86E-01	1.01
0	8.82E-01	1.11
157	2.36E-02	0.79
0	2.05E-01	3.62
0	3.42E-01	1.65
0	6.50E-01	0.86
526	6.81E-01	0.96
0	5.14E-02	0.21
1385	7.11E-01	0.96
84	4.56E-01	0.92
3	6.62E-01	1.14
0	7.99E-01	0.79
0	4.46E-01	0.48

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

152	6.65E-01	1.04
0	5.36E-02	2.79
3	5.64E-01	0.86
0	9.80E-01	0.99
27	4.52E-01	0.89
0	7.01E-01	1.46
0	1.07E-01	4.35
16	7.58E-01	0.95
0	9.59E-01	0.97
1	1.18E-02	0.17
0	6.85E-01	1.38
0	9.94E-01	1.01
0	7.37E-01	0.87
1	3.20E-01	2.69
2	6.60E-01	1.13
0	9.01E-01	0.92
2	3.02E-01	0.70
0	3.13E-01	3.28
0	1.60E-01	0.31
0	8.16E-02	5.80
119	7.35E-01	0.97
58	1.88E-01	1.17
7	8.12E-01	1.05
319	5.26E-01	1.06
1907	6.76E-01	0.78
319	5.24E-01	1.06
0	6.30E-01	1.17
0	8.84E-01	1.07
0	1.80E-01	4.49
0	9.72E-01	0.97
0	8.27E-01	0.84
0	7.85E-02	1.72
2	9.82E-02	1.44
0	2.58E-01	2.39
340	9.91E-01	1.00
1905	4.32E-01	1.82
0	3.85E-01	2.48
0	3.06E-01	0.27
0	4.20E-01	1.99
1	3.69E-01	0.59
0	5.47E-01	1.95
0	4.87E-01	2.06
0	6.12E-02	0.39

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.61E-01	1.50
0	5.79E-01	1.75
1	6.70E-01	0.84
0	8.83E-02	4.31
261	2.75E-01	1.10
0	4.55E-01	0.50
12	7.48E-01	1.05
0	7.72E-02	1.85
0	1.45E-01	2.54
0	3.02E-01	3.00
31	1.89E-01	1.18
0	7.92E-02	1.73
0	3.82E-02	10.62
9	7.04E-01	0.93
0	8.61E-01	1.10
1	5.83E-01	0.81
1	2.50E-01	0.62
222	5.65E-01	1.06
5	1.71E-01	0.74
16	1.67E-01	0.79
0	9.16E-01	0.90
0	9.56E-01	1.04
0	5.94E-01	1.29
3	8.08E-01	1.06
380	6.42E-01	1.04
5	4.43E-01	0.84
1922	1.00E+00	0.97
0	1.12E-01	0.12
0	3.53E-01	2.44
22	6.54E-01	1.07
0	2.24E-01	0.59
0	7.32E-01	1.40
144	9.15E-01	1.01
0	7.89E-01	1.19
0	5.54E-02	4.48
0	9.46E-01	1.04
0	8.35E-01	1.18
0	6.56E-01	1.29
0	2.42E-01	0.24
0	5.73E-01	1.44
0	9.89E-01	1.03
1853	9.42E-01	0.98
0	4.06E-01	2.24

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

165	9.91E-01	1.00
0	7.13E-01	0.63
0	2.51E-01	2.60
46	2.09E-01	1.17
0	9.06E-01	0.95
0	5.34E-01	0.63
521	6.17E-01	1.05
0	9.47E-01	1.06
0	9.74E-01	1.02
0	6.09E-01	1.26
7	7.06E-01	1.07
1	8.45E-01	1.08
0	1.52E-01	3.46
0	7.15E-02	6.83
0	5.66E-01	1.93
0	6.35E-01	0.60
0	4.91E-01	1.44
1	9.46E-01	1.02
0	3.57E-01	1.67
0	7.24E-01	1.33
265	5.17E-01	0.94
6	8.99E-01	0.98
0	9.36E-01	0.97
0	7.62E-02	4.24
77	6.67E-01	1.05
0	9.26E-01	1.06
0	8.29E-01	0.81
0	5.20E-02	9.35
0	2.03E-01	0.21
0	9.10E-01	1.13
0	7.18E-01	1.18
0	4.02E-02	3.03
0	4.28E-01	0.64
6	2.23E-01	1.26
0	6.94E-01	0.73
5	5.02E-01	1.15
0	8.80E-01	0.86
0	2.32E-01	1.36
0	5.04E-01	0.39
648	7.14E-01	1.03
0	4.13E-01	0.32
0	6.87E-01	1.29
0	8.69E-01	0.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	9.04E-01	1.05
0	7.28E-02	3.65
844	5.10E-01	1.07
0	9.11E-01	1.07
417	5.78E-01	0.95
0	6.53E-01	1.67
1	7.95E-01	0.91
11	1.92E-01	1.27
561	1.31E-01	0.87
0	8.09E-01	1.25
1	7.42E-01	1.10
0	9.64E-01	1.04
0	9.69E-01	1.03
0	9.66E-01	1.03
0	5.82E-01	1.64
0	3.31E-01	1.34
1574	4.89E-01	0.90
0	9.50E-01	1.03
1	6.28E-01	1.15
0	4.54E-01	0.46
0	5.73E-01	0.45
1	1.09E-01	0.59
0	2.58E-01	0.46
6	6.79E-01	0.92
0	7.20E-01	1.43
109	8.27E-01	1.02
1105	6.88E-01	0.96
0	7.72E-01	0.88
0	9.93E-01	1.01
241	2.79E-02	0.81
0	9.95E-01	1.00
0	1.41E-01	0.63
754	6.51E-01	0.96
0	6.65E-01	0.70
0	6.80E-02	5.08
394	3.71E-01	0.92
0	9.63E-01	0.95
0	2.83E-02	18.62
20	2.82E-01	0.86
0	1.64E-01	0.16
0	6.51E-01	0.53
0	1.07E-01	2.89
0	4.77E-01	1.46

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

5	3.00E-01	0.82
0	8.96E-01	1.16
0	2.69E-01	3.05
0	5.14E-01	1.71
0	5.14E-01	1.71
1670	5.78E-01	1.11
0	8.98E-02	0.53
2	2.07E-01	0.67
0	6.72E-01	0.66
0	7.48E-01	0.72
0	5.50E-01	0.60
0	3.37E-01	0.47
0	8.51E-02	2.54
0	2.63E-01	0.42
0	5.24E-01	0.77
0	4.97E-01	1.40
12	1.61E-01	0.79
12	1.61E-01	0.79
0	8.42E-01	1.24
5	1.50E-01	0.75
0	1.08E-01	0.40
0	2.63E-01	2.51
0	3.09E-01	1.55
3	9.80E-01	0.99
0	2.26E-01	0.31
512	8.19E-01	1.02
0	9.35E-01	1.10
177	4.87E-01	0.93
0	5.84E-01	1.80
47	3.55E-01	0.89
0	2.22E-01	3.65
3	1.36E-01	0.65
3	1.61E-01	0.67
0	2.73E-01	3.48
1	9.86E-01	0.98
19	4.11E-01	1.13
19	4.15E-01	1.13
0	1.36E-01	4.06
0	8.91E-02	5.50
0	4.63E-01	2.02
0	4.92E-01	0.39
0	6.96E-01	0.64
0	9.87E-01	0.99

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.70E-01	3.00
0	4.82E-03	9.53
0	6.90E-01	0.56
63	3.23E-01	1.12
0	2.98E-01	0.37
0	8.31E-01	0.74
1743	2.88E-01	0.80
1726	5.49E-01	0.89
272	4.57E-01	0.93
0	7.85E-02	0.09
0	4.40E-02	5.55
0	9.25E-01	0.94
19	9.34E-01	1.01
662	6.54E-02	1.19
23	5.60E-01	1.09
8	2.59E-01	1.25
252	4.12E-01	1.08
0	2.28E-01	2.84
0	4.17E-01	0.61
0	4.99E-01	1.65
0	1.86E-01	3.99
1285	4.45E-02	1.29
0	3.48E-01	2.13
0	7.22E-01	0.60
1667	9.06E-01	0.98
0	2.45E-01	2.05
20	2.44E-02	0.69
88	3.29E-01	0.90
0	5.74E-01	0.73
0	9.61E-01	0.95
0	5.48E-01	2.58
89	2.93E-01	0.89
0	1.46E-02	12.18
254	3.76E-01	0.92
425	5.70E-01	1.05
27	8.15E-01	0.97
0	8.61E-02	3.08
27	8.15E-01	0.97
0	6.01E-01	0.54
82	4.82E-01	0.92
0	8.90E-01	1.13
0	6.19E-01	0.63
0	4.34E-01	0.60

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.87E-01	0.99
7	2.21E-01	0.77
0	1.86E-01	3.24
0	7.97E-01	1.27
0	4.09E-03	6.62
0	4.69E-01	2.50
0	5.18E-02	3.81
0	6.53E-01	1.63
0	6.40E-01	1.67
0	6.23E-01	0.70
0	6.23E-01	0.70
0	4.57E-01	1.31
9	9.02E-01	1.02
0	2.39E-01	0.49
0	7.38E-01	0.89
0	6.48E-01	0.65
0	6.06E-01	1.65
2	6.23E-01	0.85
0	9.54E-01	0.94
31	8.77E-01	0.98
0	5.85E-01	1.55
2	9.83E-01	0.99
21	3.65E-01	0.88
0	9.47E-01	1.07
1	4.27E-02	2.14
21	5.79E-01	0.92
2	9.21E-01	0.98
0	6.32E-01	0.57
0	1.33E-01	0.17
0	4.35E-01	1.33
1	2.18E-02	0.08
22	2.60E-01	0.84
20	2.62E-01	1.18
4	5.75E-01	1.15
1	3.62E-02	2.21
0	1.90E-01	0.38
0	4.01E-02	0.16
0	1.78E-01	0.47
0	7.16E-01	1.26
0	7.16E-01	1.26
0	4.21E-01	2.98
0	4.67E-01	0.82
87	5.37E-01	0.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.52E-01	1.15
85	4.85E-01	0.93
0	4.48E-01	0.44
605	2.30E-01	0.90
0	4.02E-01	2.28
1	3.04E-01	2.20
0	6.10E-01	1.72
1920	6.31E-01	0.27
55	9.36E-01	0.99
0	5.44E-01	0.43
0	7.87E-01	1.52
3	7.44E-02	1.54
0	6.45E-02	2.02
0	2.61E-01	3.47
626	7.98E-01	0.98
629	8.82E-01	1.01
6	4.73E-01	1.13
0	3.72E-01	0.40
632	8.78E-01	1.01
8	5.14E-01	1.13
0	4.97E-01	0.77
1	9.95E-01	1.00
12	7.99E-02	0.72
0	8.74E-01	0.80
0	3.78E-01	0.48
22	1.17E-02	0.67
2	7.17E-02	1.49
1121	8.13E-01	0.97
0	2.94E-02	8.97
1126	8.51E-01	0.98
136	6.93E-01	0.96
0	9.72E-01	0.98
0	8.72E-01	0.89
2	6.14E-02	0.59
0	6.38E-02	2.08
6	9.71E-01	1.01
80	5.53E-01	0.94
1	2.60E-01	2.23
4	8.52E-01	0.96
20	5.54E-01	0.91
1	6.57E-01	0.85
1	4.99E-01	0.69
227	8.34E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.65E-01	0.94
1	9.82E-01	1.01
0	9.81E-01	1.01
637	8.38E-02	0.85
0	6.02E-01	0.57
0	7.41E-01	0.62
0	5.78E-01	1.57
0	2.38E-01	2.94
0	9.53E-01	1.08
0	7.43E-01	0.69
0	3.70E-01	0.58
1905	3.54E-01	1.74
1	6.38E-01	0.80
0	4.90E-01	1.45
1129	2.90E-01	0.89
0	2.04E-01	2.21
0	6.61E-01	0.78
0	6.40E-01	0.61
0	9.09E-01	1.06
0	5.84E-02	6.66
1077	7.74E-01	1.03
0	8.67E-01	0.92
1	4.64E-01	0.80
0	8.56E-02	7.41
0	4.26E-01	1.64
0	4.18E-01	1.42
0	5.04E-01	1.35
0	1.16E-01	2.88
0	6.60E-01	0.70
1	8.82E-01	1.05
43	8.96E-01	1.02
0	2.26E-01	0.31
0	2.78E-01	2.10
1	9.77E-01	0.99
0	5.96E-01	1.88
550	5.75E-01	0.95
0	6.64E-01	1.59
0	3.14E-01	3.27
0	6.55E-01	1.40
0	6.95E-01	1.57
0	9.20E-01	0.92
589	6.91E-01	0.96
0	1.40E-01	4.22

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.77E-01	1.19
0	7.36E-01	0.90
0	7.24E-01	1.27
11	5.28E-01	1.11
0	3.26E-01	0.36
0	2.33E-01	3.74
1	1.30E-01	1.66
0	9.61E-01	0.97
0	6.76E-02	2.78
0	5.75E-01	1.36
0	2.12E-01	0.20
0	9.83E-01	1.02
0	4.54E-01	1.92
326	4.62E-01	0.94
376	1.26E-01	0.87
5	9.35E-01	0.99
1	3.18E-02	0.32
2	1.60E-01	0.56
0	9.36E-01	1.05
0	3.58E-01	0.46
2	1.67E-01	0.57
19	6.54E-01	0.93
0	7.69E-01	1.37
355	1.88E-01	0.89
356	1.86E-01	0.89
0	6.81E-01	0.65
686	7.43E-01	1.03
0	7.65E-01	1.42
0	4.49E-01	1.56
0	7.29E-01	0.67
0	2.99E-01	3.19
0	5.29E-01	0.51
0	1.07E-01	1.79
26	1.52E-02	1.37
1	2.95E-01	1.63
0	5.53E-01	1.82
0	6.09E-01	0.57
0	1.89E-01	0.41
0	1.67E-01	2.54
14	8.91E-01	0.98
0	8.56E-01	1.32
0	5.76E-01	0.61
1919	5.36E-01	0.51

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.12E-01	3.66
4	8.73E-01	0.96
1051	7.88E-01	0.97
0	2.18E-01	0.33
4	2.48E-01	0.79
0	9.97E-01	1.00
0	6.02E-01	1.31
595	7.67E-01	1.03
0	8.68E-01	0.86
0	8.79E-01	1.22
6	8.22E-01	1.05
0	7.72E-01	0.86
0	6.19E-02	2.19
0	3.20E-01	2.08
0	2.16E-01	2.33
0	2.01E-01	2.35
1920	2.43E-01	0.23
1920	2.43E-01	0.23
0	1.92E-01	3.08
0	7.89E-01	1.09
1	2.88E-01	0.69
6	2.44E-01	1.25
0	2.61E-01	3.48
0	3.81E-01	2.49
0	2.72E-02	18.56
79	6.80E-02	0.81
424	7.78E-01	0.97
8	8.08E-01	0.95
0	7.73E-02	7.81
1	3.92E-01	1.32
0	8.85E-01	0.87
0	3.39E-01	0.28
1463	4.11E-01	0.90
0	2.23E-02	5.65
32	4.06E-01	1.12
0	5.08E-01	0.40
0	7.90E-01	1.34
32	3.97E-01	1.12
0	2.65E-01	1.80
0	2.44E-01	2.03
0	2.23E-01	0.56
169	6.85E-02	0.83
0	8.15E-01	1.13

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.22E-01	1.73
1850	8.01E-01	1.09
0	2.09E-01	2.02
0	4.44E-01	2.10
0	9.06E-01	1.07
0	9.39E-01	0.97
930	9.85E-01	1.00
0	9.04E-01	0.89
1922	1.00E+00	0.97
0	7.82E-01	1.20
0	2.00E-01	3.48
1876	1.20E-01	1.87
0	6.19E-01	1.15
0	5.88E-01	0.51
0	8.60E-01	1.25
0	2.13E-01	2.26
24	3.80E-01	1.13
0	2.84E-01	1.78
0	2.42E-01	0.22
0	4.95E-01	1.38
0	2.71E-01	3.17
0	9.23E-01	0.87
0	8.56E-01	1.15
0	8.36E-01	0.91
0	4.61E-01	0.60
59	6.68E-01	0.95
0	9.88E-01	0.98
1	8.44E-01	0.88
0	5.74E-01	0.53
0	7.30E-01	0.66
0	2.05E-01	3.65
0	7.90E-01	0.69
0	5.29E-01	1.58
0	5.78E-01	0.56
4	1.28E-01	1.32
1494	3.00E-01	0.87
1496	2.16E-01	0.85
1495	2.66E-01	0.86
0	9.76E-01	0.98
0	8.05E-01	0.70
1619	3.49E-01	0.86
2	2.86E-01	1.32
0	7.69E-01	1.42

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.59E-01	3.18
1680	2.50E-02	0.67
1440	1.17E-01	0.82
2	2.61E-01	1.34
0	7.27E-01	1.36
3	3.96E-01	0.83
1438	9.21E-02	0.81
1438	1.01E-01	0.81
0	9.65E-02	1.78
6	9.28E-01	0.98
3	1.95E-02	1.51
3	3.23E-02	1.46
0	9.84E-01	0.99
0	2.84E-01	0.40
1	6.74E-01	1.15
0	2.13E-01	0.22
1	6.26E-01	1.18
0	7.26E-01	0.60
5	8.77E-01	0.97
0	6.67E-01	1.09
0	4.03E-01	2.18
0	3.43E-01	0.30
394	6.80E-01	0.96
0	2.99E-01	3.20
1	6.52E-01	0.85
0	8.60E-01	1.09
0	4.35E-01	2.63
0	7.20E-01	0.82
0	8.31E-01	0.79
0	7.24E-01	0.77
0	8.51E-02	2.53
0	6.96E-01	1.89
0	6.96E-01	1.89
0	9.90E-01	0.99
1296	1.16E-01	0.84
383	3.86E-01	0.92
0	7.57E-01	0.64
1922	1.00E+00	0.97
0	9.19E-01	1.06
0	1.22E-01	0.32
0	8.85E-01	0.79
13	9.74E-01	1.00
1	9.53E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.49E-01	3.52
0	4.82E-01	0.72
469	3.02E-01	1.10
0	2.25E-01	0.16
24	1.21E-01	0.79
0	7.81E-01	1.38
0	8.86E-01	0.92
18	4.09E-01	1.14
0	3.94E-01	0.68
0	9.98E-01	1.00
0	7.60E-01	1.63
0	7.43E-01	0.71
0	4.61E-02	9.01
0	1.33E-01	3.61
7	3.30E-01	1.21
1	3.33E-01	0.78
0	8.51E-01	0.83
0	3.60E-01	0.30
178	6.67E-02	1.19
0	8.40E-01	1.38
0	7.80E-01	0.67
207	6.04E-02	1.19
0	1.68E-01	0.18
0	2.84E-01	0.33
0	7.54E-01	1.09
0	1.44E-01	3.99
0	9.66E-01	1.07
1	2.59E-01	0.63
57	3.64E-01	0.89
0	8.05E-01	0.80
0	7.26E-01	1.14
0	6.49E-01	0.76
0	9.58E-01	1.02
2	5.85E-01	0.86
2	5.85E-01	0.86
0	2.60E-01	3.43
0	1.06E-01	7.43
0	4.94E-01	0.64
0	4.83E-01	0.39
0	4.75E-01	0.55
0	2.55E-01	2.59
0	4.81E-02	0.58
0	5.86E-01	0.58

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.66E-01	0.54
1	6.86E-01	0.90
86	7.87E-01	0.97
130	4.70E-01	1.08
0	2.03E-01	1.58
0	7.10E-01	1.51
15	7.77E-01	1.05
0	9.89E-01	0.99
0	7.88E-01	1.28
0	4.46E-01	1.99
0	6.54E-01	0.61
0	4.43E-01	1.66
0	8.21E-01	0.91
0	9.61E-01	0.97
0	4.29E-01	1.38
0	7.35E-01	0.66
0	1.78E-01	0.20
0	7.65E-01	1.34
242	1.19E-01	0.86
0	6.82E-01	0.78
1	4.71E-01	1.28
6	5.29E-01	1.13
0	4.35E-01	0.65
0	5.54E-01	1.26
0	5.46E-01	0.81
0	8.23E-01	1.18
0	7.44E-01	1.38
0	5.93E-01	0.80
0	9.29E-01	0.93
0	4.22E-01	0.50
0	3.34E-01	0.62
0	6.02E-01	1.22
1	1.21E-01	1.50
0	7.00E-01	1.25
0	4.71E-01	2.05
0	4.02E-01	0.49
0	3.65E-01	2.44
2	4.95E-01	1.20
0	9.09E-01	1.06
702	7.36E-01	1.03
270	2.51E-01	1.11
0	5.50E-01	1.52
0	2.25E-01	3.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.08E-01	2.07
0	7.25E-01	0.58
0	1.93E-01	2.82
0	4.18E-01	0.49
0	7.62E-01	1.33
0	6.78E-01	0.64
3	4.48E-01	1.24
0	4.96E-01	0.37
7	6.52E-01	0.91
0	3.39E-01	2.12
0	4.59E-01	0.47
2	2.77E-01	1.36
0	8.08E-01	1.08
0	3.84E-01	2.12
0	1.56E-01	0.19
0	8.05E-02	0.24
0	5.28E-01	1.93
0	7.76E-01	1.14
0	1.34E-01	2.40
0	3.15E-01	2.39
0	6.90E-01	0.58
0	6.11E-01	0.78
1	4.59E-01	0.74
0	5.19E-01	2.39
5	9.78E-01	0.99
0	9.08E-01	1.11
26	7.27E-01	0.95
0	8.34E-01	1.36
0	7.53E-01	0.63
0	5.45E-01	1.81
0	6.59E-01	0.68
8	8.33E-01	0.96
0	8.95E-01	1.07
3	4.85E-01	1.21
0	4.48E-01	2.03
4	5.29E-01	1.19
0	9.49E-01	1.05
2	9.77E-01	0.99
23	1.57E-01	1.22
0	8.15E-01	0.78
32	8.86E-01	0.98
0	5.97E-01	1.55
0	2.71E-01	3.26

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.37E-01	0.15
0	7.09E-01	0.79
1	7.15E-01	1.09
1	9.54E-01	0.96
0	9.39E-01	0.93
0	6.09E-01	1.68
0	2.61E-01	0.39
0	4.93E-01	0.72
0	8.00E-01	0.77
55	2.71E-01	1.14
0	1.50E-01	5.30
1	5.66E-01	0.88
0	3.35E-01	1.88
2	8.77E-01	1.04
0	8.25E-01	1.42
0	7.72E-01	1.33
9	2.65E-01	0.78
0	3.55E-01	0.38
0	7.74E-01	1.10
92	6.07E-01	0.94
92	6.07E-01	0.94
92	6.07E-01	0.94
0	8.49E-01	0.76
11	5.63E-01	0.91
0	9.56E-01	1.05
0	4.85E-01	1.30
73	8.89E-01	1.02
0	2.89E-01	0.26
0	9.13E-01	1.11
0	8.03E-01	1.48
0	1.84E-01	3.26
1	3.54E-01	1.26
431	3.53E-01	1.09
0	3.25E-01	1.63
0	4.93E-01	1.97
0	3.17E-01	2.19
4	1.64E-01	0.72
436	3.07E-01	1.10
0	6.38E-01	1.71
0	1.01E-01	7.04
39	3.73E-02	0.77
0	7.41E-01	0.63
0	8.34E-01	1.36

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	1.53E-01	0.41
467	1.77E-01	0.89
62	4.35E-01	1.09
0	5.92E-01	0.73
0	2.44E-01	1.93
0	9.67E-02	2.47
2	1.93E-01	1.41
265	1.89E-01	1.13
0	3.18E-01	2.31
0	8.27E-01	0.82
0	7.02E-01	1.43
0	8.70E-01	0.84
1	9.41E-01	0.96
0	1.62E-02	10.84
1	3.20E-01	1.49
0	3.46E-01	1.96
0	4.23E-01	1.58
0	8.54E-01	0.86
0	8.34E-01	1.36
0	6.67E-01	2.54
0	1.00E-01	0.50
7	7.55E-01	1.06
0	9.20E-01	0.86
0	5.82E-01	0.47
0	8.42E-01	1.12
0	1.92E-01	4.17
21	9.53E-01	1.01
0	4.79E-01	1.44
0	8.86E-01	1.18
0	4.02E-01	1.66
0	7.26E-02	0.12
0	2.98E-01	0.45
2	1.41E-01	1.50
0	1.73E-01	2.44
249	3.68E-01	0.92
262	7.96E-01	0.98
0	7.74E-01	0.82
0	5.66E-02	3.81
0	8.56E-01	1.34
1	7.36E-01	1.13
1	5.29E-01	1.38
410	9.01E-01	1.01
1	6.88E-01	1.23

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	2.08E-01	0.58
1	5.18E-04	0.13
0	2.63E-01	3.55
0	1.31E-01	0.56
0	7.95E-01	0.77
0	8.08E-01	1.16
451	7.10E-01	1.03
0	8.25E-01	1.15
0	1.07E-04	7.97
0	6.79E-01	1.49
450	7.11E-01	1.03
0	3.44E-01	2.86
0	4.86E-01	1.76
1	1.71E-01	0.39
0	4.63E-01	0.62
826	1.83E-01	1.13
0	7.92E-01	0.75
0	8.70E-01	0.79
0	3.07E-01	3.11
1	7.64E-01	0.92
0	6.76E-01	1.42
0	3.77E-01	0.45
57	9.59E-01	0.99
0	1.61E-01	3.93
0	9.44E-01	1.11
211	9.45E-01	1.01
0	5.12E-01	1.55
2	4.56E-01	1.30
0	4.26E-01	1.61
0	3.97E-01	0.33
21	1.62E-01	1.21
7	7.74E-01	0.94
9	7.68E-01	1.06
0	1.69E-02	10.42
0	1.93E-01	1.93
1	4.86E-01	1.25
0	4.22E-02	5.40
0	4.09E-01	0.64
211	6.88E-01	0.96
0	7.34E-01	0.60
0	5.20E-01	1.72
0	1.06E-01	6.18
0	5.53E-01	1.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.37E-01	0.44
0	7.21E-01	1.41
1	8.56E-01	1.11
0	7.84E-01	1.27
0	6.06E-01	0.47
205	3.37E-01	1.09
18	1.46E-01	0.79
1195	5.00E-01	1.08
0	6.77E-01	0.73
441	1.86E-01	0.89
0	4.14E-01	1.87
439	1.32E-01	0.87
439	1.45E-01	0.87
0	5.89E-01	0.66
0	2.09E-01	0.34
0	3.62E-01	0.66
0	9.72E-01	0.98
0	2.02E-01	0.51
1	8.91E-01	1.04
0	3.26E-01	2.98
0	5.78E-02	5.04
837	5.51E-01	1.06
1	5.62E-01	0.67
94	2.21E-01	1.14
2	5.45E-02	1.69
0	5.43E-01	1.63
0	1.64E-01	0.15
0	4.41E-01	2.33
9	9.39E-01	1.01
0	4.74E-01	0.40
339	7.92E-01	1.02
0	4.49E-01	1.39
1	4.34E-01	1.33
10	9.14E-02	1.32
1	6.89E-01	0.83
13	7.16E-01	0.94
0	2.05E-01	0.33
1600	7.60E-01	0.95
675	8.33E-01	0.98
3	6.41E-01	0.90
0	8.76E-01	1.17
21	2.72E-01	1.18
0	8.23E-01	0.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.96E-01	0.38
0	1.20E-01	1.62
0	5.75E-01	0.46
0	1.09E-01	4.56
0	6.97E-01	0.71
1	3.58E-01	1.42
0	6.74E-02	2.70
0	9.13E-01	0.90
42	9.24E-01	0.99
1919	6.41E-01	1.68
460	4.92E-01	0.94
51	8.32E-01	0.97
3	6.31E-01	1.10
0	4.88E-02	3.29
51	8.36E-01	0.97
0	4.32E-01	2.10
0	9.06E-01	1.10
158	9.59E-01	1.01
0	8.04E-01	0.82
360	9.13E-01	0.99
0	2.53E-01	0.32
207	3.94E-01	1.08
2	9.83E-01	1.01
207	4.59E-01	1.07
0	8.77E-01	0.85
0	4.21E-02	3.27
1	4.05E-01	1.89
0	7.74E-01	1.40
109	1.15E-01	1.18
2	3.85E-01	1.35
0	2.32E-01	0.32
0	8.50E-01	1.13
0	8.85E-01	0.90
0	5.93E-01	1.72
0	5.12E-01	1.99
0	3.28E-01	0.25
3	6.08E-01	0.86
1	8.67E-01	0.93
0	1.10E-01	0.48
6	6.63E-01	0.91
0	3.53E-02	4.37
286	5.12E-01	1.06
7	1.82E-01	0.75

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.57E-01	0.36
0	5.95E-01	1.61
0	4.47E-01	0.66
0	1.13E-01	2.07
0	6.98E-01	1.47
0	2.12E-01	0.17
0	3.83E-02	0.08
0	5.71E-01	1.35
0	1.63E-01	0.12
0	6.98E-01	0.62
0	7.80E-01	1.22
0	9.37E-01	1.08
19	5.86E-01	0.92
0	1.63E-01	0.12
0	3.16E-01	2.42
0	5.43E-01	2.05
2	6.64E-02	0.46
0	1.31E-01	3.87
0	7.45E-01	1.53
0	1.58E-02	4.97
0	4.23E-01	2.23
0	3.60E-01	0.29
0	1.08E-01	4.17
0	6.39E-01	0.75
0	2.55E-01	1.88
0	3.74E-01	1.78
33	2.62E-01	0.86
6	2.03E-01	0.77
0	3.60E-01	0.48
0	8.62E-01	0.86
0	1.36E-01	5.95
0	7.49E-02	3.16
235	8.11E-01	0.98
0	2.87E-02	6.22
0	9.85E-01	0.99
0	6.39E-01	0.70
2	9.66E-01	1.01
0	8.33E-02	4.17
0	2.82E-01	0.55
0	4.79E-02	5.34
0	6.39E-01	0.70
0	4.30E-01	0.36
0	4.72E-01	0.39

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

134	8.33E-01	0.98
1	1.48E-01	2.71
0	8.28E-01	1.18
1	4.96E-01	0.84
2	4.29E-01	0.85
0	6.80E-01	0.82
652	6.08E-01	1.05
57	1.27E-02	1.33
0	1.61E-01	0.30
0	9.77E-01	1.02
0	2.48E-02	0.08
61	2.87E-01	0.88
5	9.57E-01	1.01
0	7.91E-01	1.13
1044	2.81E-02	0.80
1	9.42E-01	1.02
33	3.09E-02	0.75
0	9.43E-01	0.90
0	3.83E-01	1.94
0	9.58E-01	1.02
0	4.05E-01	2.10
0	3.51E-01	2.06
14	5.27E-01	0.90
0	5.92E-01	0.85
0	1.70E-01	3.10
1	2.11E-01	0.64
61	3.13E-01	1.12
510	1.33E-02	0.80
0	1.13E-01	0.14
535	8.93E-01	0.99
0	1.26E-01	2.49
0	7.76E-01	1.33
0	5.23E-01	2.30
0	8.02E-01	0.93
10	1.00E-01	1.37
0	3.56E-01	0.30
0	6.43E-01	0.62
0	1.30E-01	4.46
0	3.79E-01	2.71
0	8.19E-02	3.48
0	7.36E-02	3.39
0	9.12E-01	1.05
0	4.29E-01	0.31

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

50	2.68E-01	1.14
0	8.29E-01	1.10
51	2.46E-01	1.15
328	5.51E-01	0.95
383	2.03E-01	1.12
0	9.01E-01	1.10
114	5.11E-01	1.07
106	1.09E-01	0.84
38	3.26E-01	1.13
0	6.95E-01	0.60
347	6.44E-01	0.96
0	9.92E-01	1.01
0	1.86E-01	3.18
0	5.75E-01	0.60
1326	7.31E-01	1.04
181	6.50E-01	1.04
181	5.96E-01	1.05
0	2.30E-01	0.30
0	6.66E-01	1.18
0	5.61E-01	0.44
0	6.84E-01	0.88
0	3.69E-01	1.88
0	7.93E-01	0.68
0	8.32E-01	0.78
19	2.26E-01	0.82
820	6.07E-01	0.95
19	2.11E-01	0.82
0	8.59E-01	0.86
0	1.17E-01	6.15
0	2.76E-01	0.43
0	3.03E-01	0.26
0	7.81E-01	0.68
0	5.78E-01	1.81
0	5.96E-01	0.63
0	3.51E-01	1.94
0	6.42E-01	1.59
0	9.14E-01	1.08
0	7.79E-01	1.56
0	1.32E-01	5.05
28	9.44E-01	0.99
0	9.11E-01	0.95
266	4.89E-01	0.94
0	7.65E-01	0.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

20	1.94E-01	0.82
0	7.75E-01	1.21
23	3.80E-01	0.87
0	6.46E-01	1.41
0	9.32E-01	0.94
0	2.81E-01	0.44
0	9.96E-01	1.01
0	5.67E-01	1.57
1886	2.50E-01	1.69
0	8.97E-01	1.10
0	6.71E-01	2.39
0	7.62E-01	1.29
0	3.57E-01	2.76
0	6.44E-01	0.69
0	6.71E-01	2.39
1	8.34E-01	1.11
109	1.38E-01	1.16
0	2.63E-01	0.35
1323	5.17E-01	1.08
0	4.85E-01	2.01
0	8.34E-01	0.74
8	2.23E-01	0.79
0	6.06E-01	1.75
0	1.70E-01	4.69
715	8.71E-01	0.99
0	4.75E-01	0.53
0	1.56E-01	0.20
50	1.28E-01	1.20
0	5.32E-01	0.56
515	9.03E-03	0.79
0	2.56E-01	1.73
0	4.18E-01	0.48
0	3.68E-01	0.36
4	5.31E-01	1.16
0	3.65E-02	3.42
1922	1.00E+00	0.97
4	4.67E-01	1.18
0	1.97E-01	0.49
1085	6.27E-01	0.95
0	3.69E-01	0.45
0	5.27E-01	0.78
0	9.10E-02	0.23
11	8.35E-01	1.04

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.81E-01	0.80
0	3.92E-01	0.73
116	6.68E-01	0.96
2	1.22E-01	0.61
0	6.79E-01	1.53
0	9.11E-01	0.91
177	8.32E-01	1.02
0	2.93E-01	1.72
0	9.45E-01	1.08
0	7.43E-01	1.77
7	5.88E-01	1.10
0	5.70E-01	1.23
84	6.13E-01	1.06
0	3.09E-01	0.37
0	8.99E-01	1.14
9	1.38E-01	1.28
1	6.46E-01	0.90
0	1.78E-01	0.40
65	6.69E-01	1.05
65	6.45E-01	1.06
0	4.31E-01	2.58
6	1.83E-01	1.31
3	2.51E-01	1.23
189	2.44E-02	0.80
0	8.11E-01	0.94
0	7.92E-01	1.13
8	1.46E-01	0.68
247	3.45E-02	0.82
0	7.96E-01	0.88
0	3.57E-01	2.15
99	4.16E-01	1.09
0	2.70E-01	0.56
0	9.70E-01	0.98
0	1.14E-01	3.45
0	2.56E-01	0.39
112	7.28E-01	0.96
0	3.98E-01	2.70
113	6.77E-01	0.96
0	3.78E-01	0.31
0	7.20E-01	1.29
109	8.62E-01	1.02
0	5.66E-01	1.67
0	5.24E-03	0.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	7.02E-01	0.88
0	4.48E-01	2.87
1922	1.00E+00	0.97
0	7.08E-01	1.37
0	9.03E-01	0.88
1	6.80E-01	1.12
0	8.34E-01	0.77
0	5.30E-01	1.57
10	3.55E-01	1.16
1	4.79E-01	0.55
0	8.81E-01	0.82
0	2.43E-02	2.30
0	6.40E-01	0.56
0	2.43E-02	2.30
0	3.00E-01	0.28
0	5.32E-01	0.82
0	8.15E-01	0.84
2	5.00E-01	1.24
52	6.41E-01	0.95
52	6.41E-01	0.95
0	8.89E-01	0.80
33	8.49E-01	0.97
1	9.51E-01	0.98
0	6.66E-01	0.54
0	2.60E-01	1.86
2	9.40E-02	0.67
0	5.87E-01	0.45
0	5.55E-03	10.15
0	7.73E-01	1.58
0	2.06E-01	0.54
0	6.78E-01	0.84
0	8.11E-01	0.71
11	6.87E-01	1.07
0	1.19E-01	3.22
0	4.25E-01	2.12
21	9.76E-01	1.00
0	4.26E-01	2.53
1	7.54E-01	1.37
0	2.22E-01	3.85
0	3.33E-01	1.88
0	8.81E-01	1.12
0	8.10E-01	1.28
2	7.52E-01	1.08

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.13E-01	1.18
575	4.58E-01	1.07
474	6.02E-01	1.05
1	9.52E-01	0.93
0	5.63E-01	0.55
575	4.58E-01	1.07
572	4.37E-01	1.07
0	5.90E-01	0.76
0	3.96E-01	0.54
0	1.83E-01	0.33
0	8.25E-02	0.48
6	5.32E-01	1.14
0	6.84E-01	0.74
0	8.89E-01	1.22
0	2.40E-01	2.79
0	8.52E-01	1.06
0	6.31E-01	1.18
0	6.56E-01	1.24
0	2.55E-01	0.40
0	5.42E-01	0.42
0	7.85E-01	0.68
26	2.98E-02	0.74
544	2.45E-01	0.90
0	7.83E-01	0.72
0	7.51E-01	0.85
0	2.13E-01	4.02
0	8.09E-03	5.21
0	1.12E-01	6.18
0	9.23E-01	0.97
5	5.96E-01	1.11
0	3.06E-01	3.06
96	7.45E-01	1.04
1917	1.49E-01	0.27
0	1.26E-01	0.51
119	2.06E-01	0.87
0	5.09E-01	0.38
3	6.76E-01	0.91
0	3.51E-01	0.52
0	5.87E-02	0.35
0	3.08E-01	1.32
0	4.09E-01	1.45
0	4.74E-01	2.23
0	3.42E-01	1.49

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.92E-01	0.67
1	9.98E-01	1.00
0	9.05E-01	0.89
0	8.78E-01	0.80
0	5.05E-01	0.68
44	5.59E-01	0.93
0	4.26E-01	0.67
0	1.51E-02	0.04
0	1.12E-01	1.54
0	6.63E-01	1.30
0	8.43E-01	1.23
1	6.90E-01	0.84
10	3.30E-01	1.16
184	9.39E-01	0.99
206	1.47E-01	1.15
0	7.71E-01	0.72
2	5.56E-01	1.16
0	7.47E-02	0.12
1	6.51E-01	0.83
0	8.33E-01	0.82
1	6.16E-01	1.16
0	4.28E-01	0.36
432	9.52E-01	0.99
0	8.08E-01	1.14
50	8.50E-01	0.98
17	9.17E-01	1.02
0	8.42E-01	1.14
0	8.32E-01	0.73
3	5.27E-01	1.17
13	9.97E-01	1.00
3	3.83E-01	0.84
1	4.03E-01	1.59
0	8.52E-01	0.88
0	3.95E-01	0.56
0	6.71E-02	0.07
0	2.71E-01	2.59
0	1.70E-01	1.58
0	1.40E-01	3.07
0	6.82E-02	3.52
0	7.51E-01	1.29
0	6.31E-01	1.27
9	1.98E-01	0.79
7	8.84E-01	0.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.97E-01	1.62
0	5.71E-01	1.77
0	5.54E-02	9.55
0	6.70E-01	0.71
0	2.22E-01	4.27
0	1.89E-01	2.40
0	9.45E-01	1.04
0	8.66E-01	1.25
0	5.32E-01	1.91
0	3.46E-01	0.32
1141	3.44E-01	0.90
1148	3.73E-01	0.91
10	6.75E-01	1.07
0	1.77E-01	2.27
0	3.82E-01	3.42
0	6.48E-01	0.71
0	6.41E-01	0.71
0	9.04E-01	1.21
0	9.04E-01	1.21
10	6.78E-01	1.08
0	7.69E-01	1.28
0	7.24E-02	3.86
27	7.25E-01	0.95
1	8.86E-01	1.06
0	5.10E-01	1.62
0	1.60E-03	8.06
0	6.05E-01	1.62
395	9.74E-01	1.00
0	6.50E-01	1.34
0	4.22E-01	0.68
0	2.36E-01	0.52
0	2.52E-01	0.67
45	9.32E-01	0.99
1	4.50E-01	1.47
0	9.26E-01	0.92
0	3.59E-03	11.45
0	4.40E-01	1.37
5	8.35E-01	1.04
0	7.56E-01	1.23
8	6.33E-01	1.10
4	9.56E-01	0.99
1	7.63E-01	0.85
8	2.22E-01	0.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.73E-01	0.88
0	5.90E-01	0.56
0	8.15E-01	1.06
0	3.45E-01	0.58
0	6.63E-01	0.55
0	6.76E-01	1.48
1216	3.87E-01	1.10
1192	3.18E-01	1.12
4	2.03E-01	0.76
0	2.76E-01	1.60
0	6.32E-01	0.74
2	7.03E-01	0.91
0	7.47E-01	1.34
0	9.72E-01	0.99
2	7.43E-01	1.09
0	1.93E-03	36.36
1	3.85E-01	2.25
265	8.95E-01	0.99
780	5.14E-01	0.94
0	1.82E-01	3.02
0	5.52E-01	1.28
1	1.33E-01	0.23
0	7.12E-01	0.64
27	2.67E-01	1.17
0	9.07E-01	1.19
0	6.15E-01	0.51
0	5.67E-01	0.45
1789	7.96E-01	1.07
0	5.51E-02	0.04
0	8.20E-01	0.83
0	5.02E-01	1.87
0	3.03E-01	0.29
0	1.08E-01	0.12
0	1.31E-04	52.22
0	7.08E-01	1.26
0	3.67E-01	2.22
0	1.63E-01	0.16
0	4.55E-01	0.47
0	3.98E-01	2.24
46	2.82E-01	1.13
3	7.92E-01	1.06
0	8.83E-02	5.39
0	4.76E-01	1.27

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

3	2.27E-01	0.66
0	4.90E-01	0.39
0	9.50E-01	1.06
0	3.46E-01	2.55
1	3.10E-01	0.58
0	1.22E-01	0.27
0	4.17E-01	0.34
1	9.10E-01	0.95
0	5.36E-01	1.29
0	2.36E-01	1.98
0	9.50E-01	1.03
21	5.82E-01	0.92
1912	8.88E-01	0.90
0	7.31E-01	0.67
0	6.74E-01	1.37
0	7.61E-01	1.14
0	3.15E-01	0.65
0	2.85E-01	0.29
0	2.85E-01	0.29
0	9.70E-01	0.99
1	6.39E-02	2.38
4	4.33E-01	1.14
9	7.25E-01	1.07
9	7.25E-01	1.07
6	4.42E-01	1.14
0	8.47E-01	1.25
0	8.71E-01	0.81
0	1.11E-01	4.57
0	3.24E-01	2.06
0	8.50E-03	7.72
0	3.00E-01	0.43
403	6.06E-01	0.95
0	6.69E-01	1.60
1	5.63E-01	0.68
0	6.88E-01	0.78
0	5.49E-01	0.43
0	4.24E-01	0.52
177	3.98E-01	1.09
19	2.04E-01	1.21
0	3.01E-01	2.92
22	8.59E-01	0.98
22	7.27E-01	0.95
15	8.07E-02	1.28

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.27E-01	1.13
10	3.76E-01	0.87
1798	8.52E-01	0.95
66	3.94E-01	1.11
920	3.28E-01	1.10
0	3.36E-01	2.79
0	7.11E-01	1.46
0	5.21E-01	1.67
210	6.13E-01	1.05
0	4.29E-01	2.16
13	1.35E-01	0.77
0	7.38E-01	0.89
0	1.60E-01	0.15
0	3.86E-01	2.61
25	1.06E-01	1.25
0	3.48E-01	0.45
0	8.62E-01	1.11
0	1.03E-01	3.42
0	5.31E-01	0.44
0	2.77E-01	3.30
0	8.80E-01	0.91
0	6.60E-01	0.54
0	7.40E-01	1.42
0	6.22E-01	0.64
5	5.71E-01	1.14
0	9.57E-01	0.96
15	9.47E-01	1.01
0	9.31E-01	0.97
0	5.68E-01	1.50
0	1.66E-01	0.27
21	9.44E-01	0.99
0	1.35E-01	3.31
22	9.61E-01	0.99
20	7.89E-01	1.04
37	4.56E-01	1.10
0	4.46E-01	0.54
0	4.52E-01	0.53
0	6.96E-02	8.79
0	3.87E-01	1.30
460	7.42E-01	1.03
1696	9.13E-01	1.02
0	4.72E-01	1.88
1343	1.26E-02	1.36

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1344	5.55E-03	1.41
4	5.61E-01	1.18
1346	5.10E-03	1.42
369	9.38E-01	1.01
17	3.39E-01	1.16
0	2.55E-01	3.11
2	6.53E-01	0.90
0	9.85E-01	0.97
1	2.52E-01	1.88
6	1.17E-01	1.46
1	5.48E-01	0.82
0	7.39E-01	0.74
259	6.48E-01	1.04
0	7.29E-01	0.60
0	6.35E-01	1.72
1049	2.82E-01	0.90
0	7.34E-01	1.23
0	4.70E-01	1.60
1	2.86E-01	1.66
0	3.89E-01	1.90
0	9.01E-01	1.14
0	7.87E-01	0.86
0	7.66E-01	1.17
0	7.73E-01	1.27
0	6.39E-01	0.78
0	3.56E-02	12.07
0	5.65E-01	0.60
0	2.02E-01	0.42
0	2.02E-01	0.42
0	6.99E-01	1.15
1	1.80E-02	1.91
0	1.39E-01	3.36
0	2.51E-01	0.59
1	4.21E-03	2.36
0	1.27E-02	27.05
1055	6.47E-01	1.05
0	9.49E-01	1.10
192	6.39E-01	1.04
192	6.39E-01	1.04
71	6.13E-01	1.06
0	2.08E-01	0.27
0	4.30E-01	2.16
116	9.19E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

116	9.38E-01	1.01
0	9.80E-01	1.03
0	4.00E-01	1.90
0	2.04E-01	0.23
0	9.44E-01	1.10
2	2.87E-01	1.28
24	4.36E-01	0.89
1918	8.76E-01	0.78
0	5.87E-01	0.50
65	3.69E-01	0.90
0	4.41E-01	1.49
491	1.46E-01	1.14
3	8.27E-01	0.95
9	1.91E-01	0.78
12	2.23E-01	0.80
0	1.17E-01	2.01
0	4.38E-03	0.42
0	4.70E-01	0.81
0	5.07E-01	0.68
0	6.63E-02	1.47
0	5.87E-01	0.84
0	6.99E-01	0.59
0	5.88E-01	0.83
0	2.91E-01	1.79
0	5.37E-01	1.97
1	1.98E-01	2.42
0	2.49E-01	1.46
1321	8.28E-01	0.98
0	2.67E-02	4.86
5	7.47E-01	1.06
1	3.89E-01	0.67
0	7.93E-02	0.48
0	1.14E-01	2.78
0	6.65E-01	1.36
0	8.18E-01	0.74
0	6.37E-01	0.82
322	1.71E-02	0.80
0	4.95E-01	0.35
0	4.58E-01	0.36
216	6.66E-01	1.04
0	1.03E-01	2.33
6	8.58E-01	1.04
0	4.03E-01	1.51

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

55	2.07E-01	1.17
2	7.70E-01	1.10
0	5.37E-02	7.82
0	3.58E-01	2.60
0	4.42E-01	0.34
5	9.84E-01	1.00
1557	5.49E-01	0.92
1	8.60E-01	0.94
0	8.24E-01	1.28
0	9.73E-01	1.05
0	6.16E-01	1.31
0	1.38E-01	0.31
254	6.09E-02	0.84
2	4.65E-01	0.82
578	4.50E-01	1.07
217	1.71E-01	0.88
0	9.86E-01	0.99
217	1.42E-01	0.87
4	3.05E-01	0.78
0	1.09E-01	6.59
391	7.17E-01	1.03
0	5.29E-01	1.88
1	1.56E-01	0.59
0	6.88E-01	0.69
140	4.40E-01	0.92
3	9.11E-01	1.02
0	9.85E-01	1.02
2	8.58E-01	1.04
1349	3.73E-01	0.90
0	1.12E-01	3.49
0	1.09E-01	6.59
0	8.90E-01	1.09
57	4.11E-01	0.90
0	1.43E-01	0.17
0	3.05E-01	2.69
0	3.15E-01	2.93
2	8.79E-01	1.03
0	5.08E-02	6.70
20	2.70E-01	0.84
25	5.96E-01	0.93
25	7.41E-01	0.95
26	6.13E-01	0.93
26	6.62E-01	0.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

26	7.09E-01	0.95
28	7.31E-01	0.95
0	1.99E-01	0.19
0	1.63E-01	4.00
0	7.93E-01	0.86
0	5.75E-01	1.64
0	5.54E-01	0.72
224	6.47E-01	1.04
22	8.47E-01	0.97
0	9.97E-01	1.00
1	5.90E-01	1.15
870	8.07E-01	1.02
0	8.03E-01	0.83
0	7.53E-01	0.64
12	7.28E-02	1.37
4	2.55E-01	1.26
0	8.11E-01	1.17
0	3.82E-01	0.59
0	5.31E-02	2.49
1919	5.60E-02	22.25
1423	8.18E-02	0.80
0	8.45E-01	0.92
0	8.78E-01	0.94
18	1.69E-01	1.23
0	5.08E-01	0.75
0	8.84E-01	0.80
31	1.50E-01	1.21
4	5.15E-01	1.15
0	9.71E-01	1.06
0	8.12E-01	1.22
0	7.14E-01	0.85
2	9.72E-01	1.01
1	2.37E-01	0.24
0	1.41E-01	0.26
0	8.93E-01	0.82
0	4.71E-01	2.10
12	9.16E-02	1.30
2	2.23E-01	1.46
0	4.13E-01	0.35
0	6.86E-01	0.57
93	5.75E-01	1.06
108	4.23E-01	1.09
0	9.08E-01	0.87

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.08E-01	0.87
0	2.93E-01	0.35
185	6.26E-01	1.05
0	9.61E-01	1.08
0	8.12E-01	0.75
0	9.12E-01	0.95
10	4.29E-01	1.14
0	4.51E-01	2.35
0	5.73E-01	0.58
4	3.61E-01	0.77
0	4.50E-01	2.35
0	4.04E-01	2.38
0	6.11E-01	0.61
0	9.36E-01	0.89
0	3.55E-01	1.75
0	6.50E-01	1.39
0	8.65E-01	0.95
25	6.58E-01	0.93
0	8.04E-01	1.21
0	8.03E-01	0.82
0	2.04E-02	9.82
0	5.22E-01	0.52
0	5.16E-01	1.27
0	6.35E-01	1.57
0	7.03E-01	1.23
5	4.03E-01	1.18
0	6.64E-01	1.27
0	9.97E-01	1.00
1	8.60E-01	0.88
0	1.90E-01	2.06
19	4.32E-01	1.13
0	6.56E-02	0.14
0	3.45E-01	2.00
0	8.89E-01	0.88
63	8.15E-01	0.97
0	9.00E-01	1.25
0	8.93E-01	0.82
0	8.14E-01	1.29
0	6.92E-01	1.38
0	3.22E-02	3.51
0	6.82E-01	0.86
0	7.81E-02	4.87
0	8.87E-01	1.25

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.17E-03	9.70
29	7.32E-01	1.05
0	2.96E-01	1.54
0	3.38E-01	0.30
62	9.93E-01	1.00
0	3.22E-02	3.51
0	3.50E-02	8.68
26	4.67E-01	1.11
0	8.95E-01	1.05
0	6.16E-02	9.10
1	5.67E-01	0.84
2	8.03E-01	0.91
0	1.42E-01	0.15
3	1.09E-01	1.47
0	2.39E-01	2.23
0	8.50E-01	0.76
0	6.98E-01	0.71
7	3.96E-01	1.17
0	2.83E-03	5.59
0	4.26E-01	2.75
0	8.99E-01	1.13
0	3.50E-01	1.63
27	5.89E-01	0.92
2	6.35E-01	1.17
24	9.77E-01	1.00
0	7.85E-01	1.17
0	8.10E-01	0.71
21	8.90E-01	0.98
0	4.39E-01	0.51
0	1.74E-01	0.13
0	3.39E-01	0.58
0	3.78E-01	1.55
0	2.58E-01	3.27
0	1.41E-01	2.26
0	1.11E-01	0.43
0	1.72E-01	0.51
1	9.42E-01	0.97
0	5.88E-01	1.77
0	1.71E-01	0.16
2	1.93E-01	1.58
0	8.08E-01	0.92
387	8.22E-01	0.98
0	2.70E-02	3.08

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	3.00E-01	1.36
0	1.94E-01	0.55
0	9.79E-01	0.98
2	1.54E-01	1.54
988	3.73E-01	0.91
4	9.26E-01	0.98
20	8.65E-01	1.03
0	8.52E-01	0.94
0	8.52E-01	0.94
0	4.96E-01	1.33
0	6.46E-01	1.30
0	6.46E-01	1.30
0	4.69E-01	1.95
0	5.41E-01	1.93
1662	7.07E-01	0.94
6	6.50E-01	1.10
0	8.36E-01	1.39
0	7.70E-01	1.26
1	4.57E-01	0.71
5	7.27E-01	1.07
10	8.33E-01	1.04
0	7.01E-01	0.77
1595	7.79E-01	1.05
0	4.57E-01	0.36
1920	3.00E-01	0.32
0	4.41E-01	0.35
9	6.48E-01	0.92
0	1.72E-01	0.28
0	8.28E-01	0.76
0	5.20E-02	9.01
0	5.98E-01	1.82
0	1.14E-01	5.27
0	5.82E-01	0.57
19	3.30E-01	0.87
854	3.49E-01	1.09
0	7.79E-01	0.82
1908	2.49E-01	2.71
0	5.42E-01	1.85
5	7.99E-01	1.05
28	6.56E-01	0.94
767	9.11E-01	0.99
0	7.74E-02	5.61
849	6.80E-01	1.04

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.83E-02	3.44
0	9.74E-01	1.02
132	6.63E-01	1.05
0	5.58E-01	1.82
2	8.65E-01	0.96
0	2.75E-01	1.51
0	9.75E-01	1.05
1	9.94E-01	0.99
0	5.45E-01	0.61
0	5.45E-01	0.61
0	6.31E-01	0.49
73	3.88E-01	1.10
0	7.76E-01	0.82
0	9.80E-01	0.97
0	8.09E-01	1.22
0	9.00E-01	0.92
1922	1.00E+00	0.97
0	1.86E-01	0.27
0	2.38E-01	0.38
0	5.72E-01	1.42
0	8.52E-01	1.36
1921	7.12E-01	0.52
1	6.31E-02	2.91
0	8.89E-01	0.86
0	4.58E-02	0.08
1922	1.00E+00	0.97
0	5.46E-01	0.52
0	8.29E-01	1.13
0	9.00E-01	1.11
0	3.58E-01	0.56
0	4.80E-01	2.45
2	2.09E-01	0.64
0	6.70E-01	3.05
0	7.45E-01	0.71
128	8.98E-01	1.01
89	4.53E-01	1.09
0	9.83E-02	0.10
0	1.37E-02	0.07
0	1.13E-01	6.92
0	7.17E-01	1.41
0	9.68E-01	0.97
0	4.02E-01	2.32
0	5.74E-02	2.69

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

961	9.61E-01	1.00
1	1.94E-01	0.51
88	9.98E-01	1.00
0	7.32E-01	1.27
0	3.69E-02	4.01
881	2.82E-01	1.11
0	4.82E-01	0.58
2	5.59E-02	1.66
17	6.23E-01	0.93
0	9.17E-01	0.92
0	8.20E-01	0.84
1	2.11E-01	1.39
2	7.30E-01	1.08
3	5.65E-02	0.56
22	5.79E-02	0.75
0	8.50E-01	0.80
0	7.05E-01	1.47
0	1.44E-01	2.34
1	1.91E-01	2.74
0	4.10E-01	1.92
0	4.99E-01	0.47
0	3.25E-01	2.37
0	3.25E-01	2.37
1	3.70E-02	1.63
0	2.75E-01	3.33
397	7.25E-01	0.97
0	4.67E-01	0.36
3	5.57E-01	0.88
0	6.52E-01	0.79
0	3.38E-01	0.60
3	6.69E-01	1.12
3	6.19E-01	0.88
0	3.64E-01	0.29
0	1.84E-01	2.77
1	6.96E-01	0.89
0	4.19E-01	0.51
0	7.45E-01	0.87
0	5.39E-01	0.77
524	4.30E-01	0.93
0	9.65E-01	1.08
122	6.81E-01	1.04
0	9.28E-01	0.94
1	7.22E-01	1.15

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.05E-02	11.69
1	2.19E-01	0.27
0	5.32E-01	1.70
0	6.02E-02	0.06
16	8.91E-02	1.28
0	2.72E-01	0.39
0	9.41E-01	1.06
24	6.97E-01	0.94
1	1.99E-01	1.65
2	9.86E-01	0.99
1	1.43E-01	1.78
0	4.06E-01	0.33
0	2.90E-01	1.98
0	6.04E-01	1.19
0	3.76E-01	1.60
0	3.09E-01	2.81
2	6.48E-01	1.11
58	9.60E-01	0.99
0	5.03E-01	0.37
0	8.34E-01	1.17
0	8.14E-01	1.13
54	4.89E-01	0.92
1006	5.75E-01	1.06
0	5.69E-01	1.88
0	4.96E-01	0.57
0	7.49E-02	2.62
2	1.95E-01	1.31
2	1.85E-01	1.32
511	3.83E-01	0.92
1920	9.84E-01	1.03
0	7.34E-01	0.83
0	9.34E-01	1.06
0	1.25E-01	1.95
4	4.06E-01	1.20
0	5.99E-01	0.64
23	8.97E-01	0.98
197	8.03E-01	0.98
0	3.52E-01	2.66
0	7.58E-01	0.76
0	8.95E-01	0.88
1	8.93E-01	0.97
9	8.19E-01	1.04
14	6.82E-01	0.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.89E-01	1.46
10	8.61E-01	0.97
10	5.62E-01	1.11
0	4.32E-02	6.01
0	9.01E-01	0.86
28	4.66E-01	1.11
0	4.27E-01	0.58
0	9.57E-01	0.94
18	7.91E-02	1.30
0	9.97E-01	1.00
0	2.16E-01	0.52
0	5.08E-01	0.52
1262	8.50E-02	0.83
1261	8.59E-02	0.83
0	6.23E-01	1.64
29	7.23E-01	0.95
3	1.69E-01	0.66
0	8.47E-01	0.84
21	5.63E-01	0.92
0	3.19E-01	2.55
0	1.48E-01	4.15
1921	2.06E-01	0.07
0	6.28E-01	0.55
0	3.58E-01	2.36
1	5.76E-01	1.19
23	2.77E-01	0.85
0	6.87E-01	0.87
293	3.00E-01	1.10
0	7.73E-01	0.57
0	2.46E-01	3.73
3	9.08E-01	1.03
0	2.76E-01	0.25
0	5.20E-01	1.95
1922	1.00E+00	0.97
0	3.15E-01	2.34
100	1.03E-01	1.19
1284	5.83E-01	1.07
0	9.19E-01	0.89
0	3.57E-01	1.70
0	4.55E-02	0.08
109	5.35E-01	1.07
0	2.62E-01	0.49
1922	1.00E+00	0.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	3.37E-01	0.43
10	2.94E-01	0.82
0	7.35E-01	1.40
1	1.59E-01	0.37
517	2.16E-02	1.23
0	1.03E-01	4.82
0	7.36E-02	6.36
1751	9.28E-01	1.02
1	7.32E-01	1.09
251	3.61E-01	1.09
1874	5.30E-01	1.34
0	1.95E-01	0.26
0	5.19E-01	0.38
0	1.61E-01	0.11
0	3.79E-01	0.31
0	8.75E-01	0.79
0	1.51E-01	3.61
0	1.29E-01	0.35
0	3.15E-01	2.40
395	9.66E-01	1.00
0	1.84E-01	3.73
0	7.91E-01	0.81
0	3.28E-01	2.29
0	4.04E-01	0.32
0	3.58E-01	2.49
0	3.73E-01	2.13
0	9.97E-01	1.00
0	7.92E-01	1.11
132	2.98E-01	1.11
178	5.03E-01	1.07
0	6.30E-02	0.11
0	4.31E-01	1.89
0	9.57E-02	4.40
0	5.94E-01	0.80
0	2.23E-01	0.31
0	8.72E-01	1.30
0	6.68E-01	1.58
1	9.34E-01	1.03
0	8.34E-01	1.18
2	8.10E-01	1.06
342	2.02E-01	0.89
340	2.43E-01	0.90
0	8.16E-01	0.72

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.53E-01	2.23
0	8.54E-01	1.12
0	7.09E-01	1.47
0	1.27E-01	4.00
0	7.65E-01	1.25
539	4.03E-01	1.08
0	4.09E-01	1.88
0	3.68E-01	1.54
1	6.15E-01	0.75
0	4.50E-01	2.28
0	9.66E-01	0.98
8	2.56E-01	0.82
0	8.49E-01	0.76
0	6.80E-01	1.16
0	5.75E-01	1.18
1	5.54E-01	0.73
0	2.51E-01	0.26
8	1.30E-01	0.77
1	5.79E-01	0.85
667	6.61E-02	0.85
0	4.69E-01	0.61
0	1.76E-01	3.09
2	8.03E-01	1.08
0	5.54E-01	0.45
0	6.62E-01	0.51
0	6.62E-01	0.51
0	9.61E-02	0.24
0	4.00E-01	0.27
0	2.74E-01	2.06
1	9.52E-01	1.02
1	6.13E-01	1.21
68	4.72E-01	1.09
2	1.49E-01	1.78
0	1.17E-01	3.76
0	8.64E-01	1.14
7	8.81E-01	1.03
856	4.30E-01	1.08
40	9.22E-01	1.01
1	2.27E-01	1.49
2	8.32E-01	0.95
0	8.72E-01	1.29
0	2.93E-01	0.32
0	3.62E-01	1.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.97E-01	1.01
1441	5.67E-01	1.08
0	2.28E-01	0.24
6	4.69E-01	1.16
1	5.09E-01	1.59
597	4.02E-01	0.93
0	4.83E-01	0.51
0	6.01E-01	1.21
0	1.19E-01	2.23
1	7.00E-01	1.14
1	5.00E-01	0.70
0	5.38E-01	2.24
0	9.76E-01	1.02
0	6.87E-01	1.23
0	9.16E-02	1.72
1	4.04E-01	1.43
0	7.46E-01	1.43
0	9.51E-02	3.00
0	4.64E-01	0.52
0	8.45E-01	0.79
393	6.87E-01	1.04
0	7.63E-01	1.31
43	5.17E-01	1.08
3	9.42E-02	0.53
0	2.19E-01	0.34
0	9.15E-01	0.85
0	7.53E-01	0.64
0	2.26E-01	0.27
0	5.54E-01	0.66
0	2.26E-01	0.17
0	8.36E-01	0.86
0	8.42E-01	1.23
0	3.20E-02	0.05
0	2.92E-01	2.07
0	8.10E-01	0.82
1252	9.48E-01	1.01
1921	4.41E-01	0.24
0	3.44E-01	1.61
0	5.16E-01	1.36
0	2.11E-01	0.15
1922	1.00E+00	0.97
0	8.12E-01	1.17
0	7.93E-01	1.47

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.05E-01	1.34
0	6.09E-01	0.61
0	6.09E-01	0.61
0	2.74E-01	0.21
0	5.61E-01	0.52
0	3.87E-01	0.35
0	5.27E-01	0.71
68	7.69E-03	0.72
0	9.83E-02	1.89
0	2.52E-01	0.35
0	1.34E-01	4.01
46	3.29E-02	1.30
0	7.02E-01	0.67
6	8.06E-02	0.70
69	9.04E-01	1.01
0	5.10E-01	0.39
0	4.24E-01	0.51
6	8.73E-02	0.70
0	4.12E-01	0.33
0	4.92E-01	1.85
0	5.35E-01	1.66
0	3.39E-01	1.91
0	5.92E-01	0.52
0	5.46E-01	0.50
0	1.86E-01	0.21
1	7.00E-01	1.40
13	1.17E-01	0.78
0	2.99E-01	0.26
1920	7.98E-01	1.51
178	5.34E-01	1.06
0	9.82E-01	1.01
0	8.19E-01	0.76
11	4.17E-01	0.87
41	4.72E-01	0.91
14	2.24E-01	1.20
0	7.34E-01	1.43
0	7.34E-01	1.43
0	8.40E-01	1.14
0	4.45E-01	0.36
0	3.61E-01	2.08
143	9.60E-01	0.99
7	7.98E-01	0.96
1	4.98E-01	0.51

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.48E-01	3.53
0	4.52E-01	2.23
0	7.45E-01	1.69
0	2.65E-01	0.51
0	9.91E-02	2.91
220	5.98E-01	0.95
0	5.68E-01	0.72
1	7.88E-01	1.09
0	9.04E-01	1.08
0	3.75E-01	2.28
1922	1.00E+00	0.97
0	2.35E-01	3.67
0	3.92E-01	1.96
0	1.52E-01	5.32
0	9.11E-01	1.06
0	3.12E-01	0.29
685	2.49E-01	0.90
0	5.38E-01	1.63
2	6.40E-01	1.13
1287	5.49E-01	1.07
23	9.00E-01	0.98
0	8.11E-01	0.88
0	3.30E-01	0.36
0	4.78E-01	0.48
0	2.43E-01	2.06
677	7.38E-01	1.03
573	8.20E-01	1.02
0	6.44E-02	0.06
1	7.35E-01	1.28
0	4.19E-02	0.43
0	6.91E-01	0.65
1107	1.37E-02	1.30
0	7.93E-01	1.25
3	2.69E-01	1.33
0	7.20E-01	1.48
0	4.97E-01	0.38
14	3.48E-01	0.85
0	7.20E-01	1.48
0	9.52E-01	0.96
0	9.05E-01	0.84
0	4.29E-01	0.45
0	8.46E-02	4.87
0	7.89E-01	0.81

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.51E-01	0.54
0	2.53E-01	0.43
0	5.22E-01	2.24
464	4.63E-01	0.94
462	4.16E-01	0.93
0	6.33E-01	1.62
0	4.03E-01	0.48
0	3.35E-01	0.60
0	7.18E-01	0.64
0	8.35E-01	1.24
0	4.44E-01	2.45
0	2.13E-01	1.72
0	9.37E-01	1.06
0	1.60E-01	4.70
2	9.27E-01	1.03
0	3.26E-01	3.07
1922	1.85E-01	0.14
1	3.72E-01	1.24
0	8.77E-01	1.05
1	6.09E-01	0.84
0	1.76E-01	3.15
0	4.49E-01	0.48
0	5.94E-01	0.58
1822	9.54E-01	1.02
0	8.32E-01	1.17
0	9.39E-01	1.08
0	8.43E-01	1.36
0	9.52E-01	0.92
1920	2.42E-01	0.15
0	7.98E-02	2.50
0	4.28E-01	3.05
0	3.42E-01	2.27
0	1.57E-01	1.57
0	7.65E-01	1.34
0	8.96E-01	0.87
0	3.04E-01	0.28
0	5.12E-01	0.40
1	2.35E-01	0.47
0	6.04E-01	0.51
1	3.38E-01	0.60
0	5.41E-01	1.66
756	5.27E-01	1.06
24	4.73E-01	0.90

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

38	7.78E-01	1.04
0	3.64E-01	0.31
0	7.41E-02	0.18
0	5.07E-01	1.84
12	3.14E-02	0.67
0	8.28E-01	1.34
23	2.35E-01	1.19
23	2.70E-01	1.18
3	6.27E-01	1.12
0	1.78E-01	2.45
0	2.49E-01	1.48
1	8.62E-01	1.10
0	8.19E-01	1.42
0	1.18E-01	4.10
470	8.08E-01	1.02
249	6.87E-01	1.04
411	8.96E-01	0.99
0	7.66E-01	0.74
0	8.16E-01	0.92
0	9.26E-01	0.90
0	5.96E-01	1.70
0	1.06E-01	0.11
0	7.36E-01	1.30
0	8.07E-01	1.10
10	2.13E-01	1.22
1	2.64E-01	1.74
78	1.74E-01	1.16
0	4.39E-01	2.06
746	9.93E-01	1.00
745	9.96E-01	1.00
0	1.47E-01	5.08
23	4.83E-02	1.33
1	2.29E-02	1.64
0	5.38E-01	1.89
0	9.34E-01	0.95
0	2.89E-02	0.09
0	4.44E-01	1.88
0	3.50E-01	2.39
0	7.90E-01	1.20
0	8.34E-01	1.18
0	9.44E-01	1.07
0	3.46E-01	0.39
1	5.29E-01	0.44

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	9.85E-01	1.00
1	2.55E-01	1.26
0	7.13E-02	5.02
1	9.65E-01	1.02
0	5.96E-02	4.00
0	2.60E-01	0.24
0	8.84E-01	0.85
0	9.51E-01	0.93
1	5.16E-01	0.43
0	5.84E-01	1.90
0	7.08E-01	0.70
0	4.48E-01	0.35
0	7.57E-01	0.78
38	5.72E-01	0.93
0	8.40E-01	1.33
688	3.06E-01	1.10
0	5.05E-01	0.70
0	2.25E-01	0.31
0	3.29E-01	0.27
1724	3.47E-01	1.21
0	6.16E-01	0.69
0	8.05E-01	0.71
122	6.41E-01	0.95
0	9.56E-01	1.05
0	7.41E-01	1.27
0	2.57E-01	2.83
150	3.09E-01	1.10
0	5.97E-01	0.73
0	6.78E-01	1.57
0	8.43E-01	0.85
0	1.74E-01	3.07
0	3.04E-01	0.54
0	8.05E-01	1.43
0	3.96E-01	0.34
0	9.22E-01	0.94
1	6.80E-01	1.27
0	3.98E-01	2.53
0	4.22E-02	5.40
0	2.34E-01	2.00
0	3.73E-01	1.74
0	8.70E-01	0.88
0	3.44E-01	1.90
0	7.85E-01	1.54

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.70E-02	7.01
0	5.63E-02	3.55
0	2.26E-02	5.99
0	5.59E-01	1.41
164	6.52E-01	1.05
164	5.26E-01	1.06
12	6.06E-01	1.08
0	6.74E-01	0.64
225	9.35E-01	0.99
0	1.66E-01	2.06
0	5.73E-02	3.86
0	5.24E-01	1.90
210	5.64E-01	0.95
0	5.89E-01	0.64
0	1.06E-02	12.71
0	6.47E-01	0.53
0	7.84E-01	0.72
0	1.04E-01	4.76
0	3.11E-01	2.65
5	2.90E-01	0.79
73	5.07E-01	0.93
0	2.77E-01	2.95
0	8.35E-01	1.17
0	9.30E-01	0.94
0	9.56E-01	1.03
0	9.90E-01	1.00
0	2.09E-01	4.09
0	5.48E-01	0.70
501	4.71E-01	0.94
3	2.81E-02	0.61
0	9.60E-01	1.02
0	5.55E-01	1.57
0	8.30E-01	0.73
1922	1.00E+00	0.97
1922	5.12E-02	0.05
0	2.29E-01	0.35
0	4.17E-01	1.55
0	9.83E-01	0.99
0	9.21E-01	1.04
1	4.29E-01	0.65
22	6.28E-01	1.08
0	8.55E-01	1.08
0	4.26E-01	0.35

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.48E-01	1.55
3	9.30E-01	1.02
0	6.93E-01	0.78
2	9.74E-01	1.01
925	1.69E-01	0.87
17	1.44E-01	1.24
0	8.24E-02	4.59
0	5.07E-01	1.22
0	1.99E-01	0.21
0	7.99E-01	0.84
0	3.73E-01	0.55
0	5.13E-01	1.44
0	8.82E-01	1.10
0	9.88E-01	0.99
0	7.42E-01	1.69
8	2.75E-01	0.80
10	4.26E-01	0.87
0	9.25E-01	0.93
0	1.50E-01	0.25
0	6.04E-01	1.31
0	1.60E-01	0.24
0	8.31E-01	1.24
0	8.24E-01	0.86
0	2.15E-01	2.55
84	7.89E-01	0.97
15	2.03E-01	1.22
0	8.18E-01	0.72
0	2.55E-01	3.15
611	7.28E-02	1.18
0	9.71E-01	1.03
125	9.33E-01	0.99
130	6.38E-01	1.05
127	9.61E-01	1.00
0	5.25E-01	2.04
0	9.27E-01	1.06
0	3.57E-01	2.10
0	5.72E-01	1.64
0	9.07E-01	1.06
0	5.28E-01	0.49
0	9.15E-01	0.88
0	6.28E-01	1.64
0	4.37E-02	0.49
0	4.83E-01	1.99

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.56E-01	2.55
0	9.62E-01	0.91
22	8.04E-01	0.97
0	7.09E-02	1.84
0	3.62E-01	0.46
14	5.20E-01	0.89
1	3.75E-01	1.43
0	8.17E-01	1.08
4	3.50E-01	1.20
1175	7.60E-01	0.97
0	9.62E-01	0.92
0	4.86E-01	0.67
0	5.04E-01	2.01
4	4.62E-01	1.17
0	2.14E-01	2.57
0	9.57E-01	0.92
0	1.59E-01	2.34
0	4.22E-01	1.63
0	7.96E-01	1.29
6	2.09E-02	1.51
65	1.88E-01	0.86
0	7.55E-01	1.63
0	7.49E-01	0.61
0	5.67E-01	1.24
0	7.07E-01	0.58
51	8.43E-02	1.22
49	8.97E-01	0.98
0	6.12E-01	1.66
3	4.44E-01	0.74
29	7.66E-01	1.04
16	1.54E-01	1.23
16	1.54E-01	1.23
0	6.19E-01	1.74
1	1.64E-01	2.22
0	9.28E-01	0.97
792	6.26E-01	1.05
0	7.55E-01	1.83
0	5.65E-01	1.59
0	7.41E-01	0.63
27	9.47E-01	0.99
0	8.49E-01	1.13
397	3.92E-01	0.93
0	1.85E-01	0.29

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1211	7.35E-01	0.96
1	7.66E-01	0.90
0	5.45E-01	1.36
0	2.28E-01	1.60
152	3.12E-01	0.90
1415	8.44E-01	0.98
1299	7.55E-01	1.04
0	8.11E-02	0.32
0	1.89E-01	5.19
0	7.96E-01	1.44
16	9.17E-02	0.76
70	8.96E-01	0.98
12	9.78E-01	1.00
137	9.87E-01	1.00
0	5.55E-01	1.29
89	7.95E-01	0.97
0	9.89E-01	1.01
0	6.87E-02	0.26
2	7.44E-03	0.36
132	6.59E-01	1.04
134	7.28E-01	1.04
4	5.51E-01	1.16
0	9.16E-01	1.18
1074	9.79E-01	1.00
0	1.20E-01	0.20
0	5.15E-01	1.30
1	2.93E-01	0.73
131	8.39E-01	0.98
0	8.62E-01	1.32
0	1.15E-02	7.16
177	9.84E-01	1.00
235	2.51E-01	0.90
0	7.71E-01	0.90
85	2.06E-01	0.87
0	3.70E-01	2.59
0	1.25E-01	5.79
0	5.28E-01	0.80
3	6.99E-01	1.09
0	6.22E-01	0.71
1	7.22E-01	0.89
798	7.95E-01	1.03
0	1.93E-01	0.29
878	9.56E-01	0.99

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

798	7.95E-01	1.03
175	9.92E-01	1.00
87	7.68E-01	0.97
0	4.41E-01	0.32
0	7.19E-02	0.33
0	4.88E-01	1.41
0	3.47E-01	0.30
786	9.77E-01	1.00
1	3.96E-01	0.76
797	7.81E-01	1.03
797	7.78E-01	1.03
0	7.65E-01	1.62
798	7.26E-01	1.03
1	2.99E-01	1.31
0	9.09E-01	0.90
3	9.31E-01	0.98
795	7.66E-01	1.03
0	6.33E-01	2.43
0	6.46E-01	1.76
0	2.26E-01	2.18
0	2.92E-01	0.24
160	8.96E-01	1.01
0	2.84E-01	0.40
3	4.48E-01	1.17
12	5.59E-01	0.91
0	2.07E-01	0.66
22	8.64E-01	1.02
0	8.60E-01	0.86
0	6.17E-01	1.27
1	9.89E-01	1.00
0	4.96E-02	4.12
64	7.44E-01	1.04
0	8.90E-01	1.17
0	4.21E-01	0.62
0	3.93E-01	0.41
1581	7.95E-01	0.96
0	6.66E-01	1.31
0	6.30E-01	1.58
0	6.76E-01	1.43
0	3.12E-01	3.02
11	6.88E-01	0.93
0	9.01E-01	0.86
0	2.15E-01	0.24

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.95E-01	1.79
0	6.28E-01	0.58
0	6.07E-01	0.63
0	8.29E-01	1.25
67	2.10E-02	0.76
0	7.63E-01	1.14
0	8.71E-01	0.80
805	9.81E-02	0.86
800	1.07E-01	0.86
810	8.08E-02	0.85
0	4.69E-01	0.54
3	2.93E-01	0.76
1308	3.19E-02	0.78
0	6.11E-01	0.48
0	3.84E-01	1.82
118	3.63E-01	0.91
114	6.99E-01	0.96
0	3.13E-01	0.56
0	7.98E-01	1.34
0	6.31E-02	5.37
0	7.52E-01	1.38
827	5.52E-02	0.84
0	4.31E-01	0.36
314	8.47E-01	0.98
0	8.76E-01	0.89
1	1.88E-01	1.71
325	8.61E-01	0.98
16	6.13E-01	1.08
1	1.88E-01	1.71
0	3.97E-01	0.33
0	1.86E-01	3.67
0	6.04E-01	1.43
0	1.58E-02	13.43
0	8.29E-01	1.29
0	7.48E-01	0.76
0	2.86E-01	0.24
0	8.89E-01	1.24
41	8.68E-01	1.02
0	1.21E-01	5.67
0	5.23E-01	0.43
649	8.53E-01	0.98
0	4.40E-01	1.77
1	8.99E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.14E-01	0.74
0	2.15E-01	3.57
0	4.09E-01	2.39
1603	6.77E-01	1.07
0	5.60E-01	0.58
231	5.20E-01	1.06
0	6.99E-01	1.48
0	3.15E-01	2.96
223	4.52E-01	1.07
0	7.48E-01	1.28
653	4.79E-01	0.94
0	3.05E-01	0.38
0	4.76E-01	0.43
0	2.53E-01	2.01
134	4.23E-01	1.08
0	6.43E-01	0.81
0	3.05E-01	0.28
0	9.66E-01	1.02
0	1.09E-01	3.34
1	6.71E-01	0.88
380	7.28E-01	0.97
2	9.45E-01	1.02
365	5.10E-01	0.94
6	3.55E-01	1.21
182	8.11E-01	1.02
0	2.92E-01	2.01
0	5.39E-02	3.59
29	2.92E-02	1.32
0	2.28E-01	0.67
0	9.72E-01	0.96
12	7.56E-01	1.05
0	9.72E-01	0.96
553	6.03E-01	1.05
0	2.57E-01	0.51
0	4.22E-01	1.37
0	7.56E-01	1.14
0	3.29E-01	1.59
0	7.12E-01	0.71
0	7.55E-01	1.21
1	3.54E-01	0.47
0	5.35E-03	12.42
0	2.48E-01	2.28
837	2.57E-01	0.90

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

52	9.38E-01	1.01
53	9.37E-01	1.01
0	6.06E-01	1.45
18	9.37E-01	1.01
0	9.26E-01	1.07
0	2.83E-01	0.27
435	8.42E-01	0.98
25	5.21E-01	1.10
0	2.68E-02	0.07
0	5.56E-01	0.78
0	3.17E-01	2.83
0	7.86E-01	0.80
557	7.57E-01	1.03
0	6.35E-01	0.53
0	1.52E-01	0.18
0	4.67E-01	0.55
6	4.21E-01	0.87
0	3.57E-02	7.56
6	6.21E-01	0.92
0	7.06E-01	0.74
0	3.48E-02	3.11
0	2.14E-01	3.94
0	4.20E-01	2.31
1	4.23E-01	1.58
0	3.06E-01	2.46
175	3.33E-01	0.91
0	3.45E-01	3.14
1	8.30E-01	1.07
18	7.55E-01	1.05
16	8.30E-01	1.04
0	4.51E-01	2.93
0	3.70E-01	2.03
0	9.31E-01	0.91
0	4.62E-02	0.04
15	5.29E-01	1.12
1906	3.94E-01	0.57
0	4.77E-01	1.38
0	8.45E-01	1.15
337	5.64E-01	1.05
0	2.73E-01	0.25
0	4.58E-01	0.38
0	4.22E-01	3.64
0	8.71E-02	4.59

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.35E-01	2.19
0	4.03E-01	2.59
0	2.38E-01	4.34
1	6.50E-01	0.84
1300	2.15E-02	1.35
0	8.39E-01	0.93
0	9.01E-01	1.11
0	9.28E-01	1.08
0	3.98E-01	0.59
1	3.56E-01	1.40
93	8.56E-01	0.98
0	3.11E-01	2.28
0	5.04E-01	0.42
1273	4.38E-01	0.91
23	3.98E-02	0.74
0	3.51E-01	2.58
0	8.01E-01	1.30
0	2.98E-01	1.65
0	6.80E-01	0.57
1	5.50E-02	1.51
510	9.36E-01	1.01
0	8.66E-01	1.16
1666	1.08E-01	1.32
0	3.30E-01	0.40
0	1.54E-01	4.35
0	3.74E-01	2.06
0	6.72E-01	0.65
0	9.11E-01	1.12
0	6.41E-01	1.50
7	7.04E-01	0.91
0	2.42E-01	0.23
0	9.00E-01	1.09
521	4.89E-01	1.06
521	4.97E-01	1.06
143	9.25E-01	0.99
1	5.93E-01	1.17
3	5.71E-01	1.14
0	5.43E-01	0.60
0	5.90E-01	0.59
22	7.01E-01	1.06
708	8.92E-01	1.01
22	6.37E-01	1.07
22	5.43E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.53E-02	0.12
0	3.33E-01	0.30
0	3.85E-01	2.49
17	9.08E-01	1.02
0	2.31E-01	0.32
201	2.18E-01	0.89
0	8.67E-01	0.86
1921	9.26E-01	1.16
0	3.39E-01	0.28
1	3.05E-01	1.75
7	9.51E-01	1.01
407	9.14E-01	1.01
407	9.14E-01	1.01
0	2.25E-01	1.53
0	9.83E-01	0.97
406	9.07E-01	1.01
2	5.48E-01	1.18
0	2.25E-01	2.10
0	3.12E-01	1.68
0	6.84E-01	1.96
0	3.04E-02	3.34
0	4.74E-01	1.73
0	7.84E-01	0.68
0	2.68E-01	2.78
0	1.75E-01	2.10
196	9.57E-01	1.01
20	8.14E-02	0.76
0	5.20E-01	1.28
0	6.14E-01	0.58
127	2.42E-01	1.13
0	7.95E-01	0.84
0	9.91E-01	0.99
0	9.36E-01	1.07
0	8.01E-01	1.20
0	8.15E-01	1.26
0	7.27E-01	0.78
0	4.14E-02	6.50
1	6.01E-02	0.38
0	1.73E-01	3.59
0	6.92E-01	1.63
0	4.06E-01	1.42
0	5.69E-01	0.71
0	6.51E-01	1.74

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

17	8.80E-01	1.02
0	4.56E-02	4.31
0	3.94E-01	1.84
0	4.56E-02	4.31
15	5.95E-01	0.92
0	7.32E-01	1.15
0	4.63E-01	0.37
0	4.37E-01	1.94
0	8.74E-01	1.10
0	7.33E-01	1.34
41	2.42E-01	0.86
0	9.74E-01	1.05
63	7.01E-01	1.05
0	7.89E-01	1.11
0	7.73E-01	0.89
0	4.30E-01	2.35
24	9.94E-01	1.00
0	7.84E-01	0.89
1	5.54E-01	1.24
73	5.97E-01	1.06
0	3.32E-01	1.84
1	2.16E-01	0.47
0	2.10E-01	0.56
50	5.74E-01	0.93
0	1.72E-01	1.80
0	5.74E-01	0.56
0	4.22E-01	1.49
0	6.27E-01	0.51
1	5.72E-01	0.79
8	6.97E-01	1.07
13	8.96E-01	1.02
2	8.27E-01	1.08
0	9.71E-01	1.03
0	2.32E-01	3.33
0	8.40E-01	0.75
0	7.24E-01	0.60
616	3.46E-01	1.09
1	9.34E-01	1.03
186	4.63E-01	1.07
345	3.64E-01	1.08
0	1.27E-01	2.88
0	1.24E-01	0.28
0	1.30E-02	5.33

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.76E-01	1.97
0	7.31E-01	0.73
0	7.77E-02	0.52
0	7.23E-01	1.34
0	1.15E-01	3.45
0	4.65E-01	1.85
1	9.79E-01	1.01
6	5.66E-02	1.69
1	3.20E-01	0.37
0	9.83E-01	1.01
0	8.46E-01	1.22
0	5.78E-01	1.57
63	2.94E-01	1.13
328	6.33E-01	1.04
0	8.52E-01	1.20
325	5.90E-01	1.05
326	5.90E-01	1.05
0	1.12E-01	2.53
0	4.56E-01	2.16
2	2.16E-01	1.33
20	1.19E-01	1.24
0	7.63E-01	0.83
91	5.81E-01	1.06
0	8.19E-01	1.30
218	1.45E-01	1.14
0	4.53E-01	2.13
0	8.52E-01	1.20
0	9.32E-01	1.07
0	6.12E-02	0.13
0	9.81E-01	0.97
0	1.31E-01	4.21
92	5.71E-01	1.06
220	9.79E-02	1.17
0	2.26E-01	2.27
0	7.67E-01	0.72
0	5.45E-01	0.44
0	4.42E-01	1.74
19	1.61E-01	1.21
2	7.46E-01	1.15
0	9.78E-01	0.98
0	2.45E-01	0.18
0	4.43E-01	2.22
212	2.12E-01	1.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.42E-01	0.83
0	8.28E-01	1.25
0	6.84E-01	1.17
0	9.46E-01	0.91
0	1.28E-01	0.17
0	7.51E-01	0.81
1	6.15E-02	2.32
0	5.29E-02	4.37
0	7.43E-01	0.75
0	6.58E-01	1.59
0	4.71E-02	2.44
1	9.53E-01	1.02
0	8.62E-01	1.14
0	8.62E-01	1.14
0	6.34E-01	1.54
7	2.83E-01	1.25
98	7.49E-01	1.03
0	4.01E-01	0.48
0	9.55E-02	4.86
4	8.22E-01	1.06
1	3.26E-01	0.73
1	5.31E-01	1.50
122	6.01E-01	1.06
0	9.82E-01	0.97
0	2.13E-01	3.01
0	3.54E-01	0.67
0	5.00E-02	7.56
0	1.81E-01	3.24
0	1.04E-01	6.57
94	2.24E-01	0.87
3	6.08E-01	0.89
186	2.41E-01	0.89
0	3.87E-01	2.48
7	8.51E-01	1.03
1	2.01E-01	1.72
4	1.86E-01	0.73
2	2.48E-01	1.59
0	6.61E-01	1.57
0	9.61E-01	0.97
15	5.20E-01	1.11
0	8.71E-01	0.82
7	2.23E-01	1.27
4	5.50E-01	1.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

3	5.38E-01	1.14
0	2.27E-01	3.89
1	6.05E-01	1.39
0	2.51E-01	0.38
577	1.93E-01	0.89
0	8.44E-01	0.86
1	8.23E-01	1.07
0	4.54E-01	1.57
60	1.94E-01	1.17
4	8.25E-01	1.07
1	6.40E-01	1.19
1	1.28E-01	3.02
148	9.55E-02	0.84
0	9.68E-01	1.04
0	1.18E-01	0.10
0	2.97E-01	2.41
0	6.81E-02	2.26
0	5.06E-01	1.40
11	5.31E-01	0.89
1	3.19E-01	0.72
2	3.00E-02	0.44
11	5.66E-01	0.90
433	5.39E-01	0.95
0	1.75E-01	2.05
0	2.72E-01	2.94
1074	3.75E-01	0.91
11	7.27E-01	0.94
58	6.65E-01	1.05
11	5.00E-01	0.89
65	9.99E-01	1.00
0	8.37E-02	0.09
0	3.81E-02	5.05
0	4.38E-01	2.43
0	6.92E-01	1.17
2	4.77E-01	0.78
1579	1.44E-01	0.80
1	3.72E-01	1.37
0	9.95E-01	0.99
0	9.21E-01	1.08
0	5.08E-01	1.55
1514	1.19E-01	0.80
0	1.15E-01	5.39
0	4.98E-01	0.52

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.32E-01	0.72
8	8.07E-01	1.05
0	8.48E-01	0.89
2	6.94E-01	1.09
1631	8.95E-02	0.76
3	9.43E-01	0.99
0	4.25E-01	0.36
0	3.78E-01	1.96
0	7.95E-01	1.23
0	5.86E-01	1.79
22	2.28E-01	1.19
0	6.41E-01	1.92
28	6.67E-02	1.29
104	1.58E-01	1.17
0	1.61E-01	3.36
0	5.10E-01	0.73
103	1.19E-01	1.18
301	1.09E-01	1.16
15	9.72E-01	0.99
118	3.00E-01	1.11
1	4.61E-02	1.59
0	6.61E-01	0.72
315	1.52E-01	1.14
0	7.66E-01	1.59
130	5.53E-01	1.06
126	3.71E-01	1.10
126	3.71E-01	1.10
0	4.10E-01	0.34
0	4.10E-01	0.34
714	7.69E-01	1.03
0	8.20E-01	1.18
0	7.26E-01	1.16
0	9.32E-01	0.97
0	9.23E-01	0.93
0	7.88E-01	1.34
0	1.25E-02	6.62
0	4.45E-02	7.71
6	7.88E-01	1.06
14	4.88E-01	0.88
9	4.12E-01	1.18
13	4.69E-01	0.88
0	1.18E-01	6.71
5	1.23E-01	0.71

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.65E-01	0.93
0	3.93E-01	0.55
0	5.98E-01	1.66
0	8.97E-01	0.83
2	8.97E-01	0.96
0	9.48E-01	1.04
0	6.42E-02	1.99
0	3.00E-01	0.38
68	4.05E-02	0.79
0	3.84E-01	2.15
0	8.84E-02	4.00
0	4.25E-01	1.53
0	9.79E-01	0.96
0	3.17E-01	3.87
1	1.20E-01	0.64
1	8.04E-01	0.89
0	3.43E-01	0.64
1	8.04E-01	0.89
1277	1.31E-01	1.20
12	2.50E-01	0.82
0	7.83E-01	0.69
0	1.55E-01	2.40
0	7.79E-02	0.10
0	2.73E-01	3.91
0	2.55E-01	0.25
0	6.22E-01	0.57
0	7.49E-01	1.28
1	5.96E-01	0.81
45	1.07E-01	0.82
46	4.63E-02	0.78
1	4.21E-01	1.41
0	5.19E-01	1.82
38	5.62E-01	1.08
1381	1.36E-01	1.20
617	2.71E-01	0.91
0	7.04E-01	0.76
2	1.26E-01	0.40
0	1.43E-01	5.26
0	7.53E-01	0.69
0	1.09E-01	2.85
0	3.29E-01	2.02
0	7.24E-01	0.86
0	4.01E-01	1.70

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

6	5.56E-01	1.14
0	7.43E-01	0.79
1	3.83E-01	1.30
1	4.07E-01	1.25
0	3.76E-01	1.37
0	7.06E-02	0.10
1	3.74E-01	1.31
0	1.88E-02	10.55
0	3.38E-01	1.99
20	6.15E-01	0.92
0	9.24E-01	1.07
1	9.01E-01	1.05
29	7.36E-01	1.05
0	4.83E-01	0.66
0	6.11E-02	6.30
0	2.84E-01	0.51
622	5.14E-01	0.94
0	4.14E-01	0.32
0	8.26E-01	0.83
100	2.65E-02	0.78
226	5.91E-02	0.84
0	7.30E-01	1.35
0	4.37E-01	0.62
0	1.22E-01	2.40
0	4.51E-01	2.29
0	8.24E-01	1.27
0	6.73E-02	0.52
0	1.49E-01	0.12
0	9.05E-01	1.23
0	2.81E-01	0.21
0	9.74E-01	0.98
0	8.98E-01	0.90
0	6.40E-01	1.50
0	8.15E-01	1.24
1	6.06E-01	1.29
0	3.67E-01	2.17
0	6.64E-01	1.34
0	2.48E-02	3.81
0	5.61E-01	0.72
71	7.10E-01	1.04
17	3.38E-01	1.16
1	6.10E-01	1.27
0	1.30E-01	0.16

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.09E-01	0.49
0	6.66E-01	1.37
0	6.73E-01	1.29
414	1.22E-01	0.87
930	7.26E-01	1.04
0	1.22E-01	4.95
1	2.28E-01	1.31
0	8.04E-01	1.22
1886	3.63E-02	0.41
0	4.81E-02	9.39
0	7.85E-01	0.87
1	6.12E-01	0.65
0	3.64E-01	2.45
0	4.62E-01	0.38
0	4.15E-01	1.88
0	8.87E-02	4.04
0	1.28E-01	0.42
0	7.25E-01	0.67
0	7.09E-01	1.34
0	4.62E-01	1.87
1	5.51E-01	0.74
0	8.21E-01	0.72
0	9.79E-01	0.97
0	9.71E-01	1.06
0	1.52E-01	0.21
0	3.53E-01	2.83
0	2.99E-01	2.30
0	3.66E-01	1.78
0	4.64E-01	1.36
0	2.91E-02	6.02
0	6.22E-01	1.79
0	5.76E-01	0.68
0	9.45E-01	1.07
0	8.51E-01	1.16
0	6.89E-01	1.52
1	2.10E-02	2.20
0	2.09E-01	0.20
0	2.67E-01	0.19
0	7.44E-01	1.43
0	7.11E-01	1.26
0	2.38E-01	2.46
0	6.37E-01	1.59
0	6.42E-01	0.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.77E-01	1.02
0	5.05E-01	1.40
0	5.52E-01	1.45
0	5.78E-01	1.86
0	6.92E-01	1.37
0	3.21E-01	2.92
0	1.59E-01	1.85
0	3.79E-01	0.51
0	1.98E-01	0.47
0	5.73E-02	0.08
0	6.43E-01	0.71
0	6.45E-02	0.14
17	4.11E-01	0.88
0	1.67E-01	4.61
0	3.24E-01	0.41
0	4.75E-01	1.63
0	1.77E-01	2.56
0	6.12E-01	0.56
16	2.26E-01	0.82
0	1.14E-01	2.79
3	3.71E-01	0.78
0	8.00E-01	1.51
0	5.30E-01	0.64
0	7.33E-01	1.34
0	5.98E-01	0.46
0	2.25E-01	1.85
0	9.45E-01	1.07
0	2.19E-01	3.00
0	8.78E-01	1.11
0	2.57E-01	0.26
1	8.31E-01	1.15
0	2.32E-01	0.68
0	5.37E-01	0.50
0	8.66E-01	0.77
0	3.48E-01	2.60
0	5.86E-01	0.63
0	6.49E-01	0.88
284	5.97E-01	0.95
0	7.83E-01	0.71
0	4.21E-01	0.36
0	5.79E-01	0.54
0	9.14E-01	0.85
0	4.72E-01	2.36

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.87E-01	0.91
0	4.18E-01	0.52
0	9.98E-01	1.00
323	3.69E-01	1.09
0	4.38E-01	1.93
0	6.12E-01	0.51
0	7.17E-01	0.77
0	8.74E-02	0.12
403	5.54E-01	0.95
0	5.16E-01	0.44
8	1.58E-01	1.38
0	3.36E-01	1.56
0	9.32E-01	0.88
0	3.40E-01	1.87
0	8.87E-01	0.92
1	1.57E-01	0.61
396	9.69E-01	1.00
389	7.71E-01	0.97
0	1.44E-01	1.81
1	8.01E-01	0.82
1	9.20E-01	1.04
0	6.72E-01	0.71
0	3.44E-01	2.24
119	7.58E-01	0.97
160	7.13E-01	1.04
0	5.28E-01	0.42
0	2.03E-01	1.98
0	4.84E-01	0.37
160	6.28E-01	1.05
6	8.88E-01	0.97
0	7.83E-01	0.78
72	7.90E-01	0.97
141	4.79E-01	1.08
2	1.79E-01	1.51
0	1.84E-01	4.34
0	6.26E-01	1.30
0	4.57E-01	0.47
6	9.84E-01	1.00
0	1.26E-01	0.50
0	5.12E-01	0.60
0	2.39E-01	1.99
0	3.92E-01	2.35
89	3.01E-01	0.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.99E-01	0.89
0	5.68E-01	0.61
0	5.34E-01	0.53
0	4.78E-01	1.94
0	7.47E-01	1.31
1	2.48E-01	0.58
0	6.63E-01	0.83
0	4.90E-02	6.97
0	2.18E-01	2.27
5	1.70E-01	1.31
11	6.02E-01	0.90
0	4.90E-02	6.97
0	1.48E-01	2.87
11	6.02E-01	0.90
11	6.02E-01	0.90
0	3.10E-01	1.94
11	5.79E-01	0.90
0	5.58E-01	0.64
11	5.41E-01	0.89
0	3.14E-01	0.28
0	5.47E-01	2.35
0	1.90E-01	3.30
0	8.86E-01	0.91
0	2.14E-01	4.39
0	4.03E-01	1.37
0	1.16E-01	3.06
0	2.24E-01	2.16
0	7.75E-01	1.58
5	5.45E-01	0.86
0	1.94E-01	2.44
0	4.21E-01	0.42
0	2.24E-02	3.60
1	7.30E-01	0.81
1	7.80E-01	0.87
65	8.82E-01	1.02
0	4.24E-01	2.53
355	4.56E-02	0.83
7	1.96E-01	0.78
0	3.15E-01	0.49
0	2.20E-01	2.73
0	8.36E-01	0.80
0	1.82E-01	0.44
0	4.92E-01	1.60

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.17E-02	0.23
2	8.73E-01	0.95
0	1.54E-01	3.45
0	4.86E-01	3.80
14	3.95E-01	1.16
0	1.95E-01	0.42
177	3.41E-02	1.22
0	5.69E-01	1.28
0	3.56E-01	2.58
2	7.71E-01	1.11
1	4.03E-01	1.28
0	1.02E-01	0.08
2	8.33E-01	0.95
0	1.72E-01	4.55
0	3.87E-02	0.19
0	4.13E-01	0.43
0	4.91E-01	1.42
1	5.36E-01	0.45
0	8.25E-01	0.87
9	1.55E-01	0.75
987	3.23E-01	0.90
0	1.60E-01	1.84
1077	2.29E-01	0.88
974	9.83E-01	1.00
0	7.94E-01	1.28
0	5.63E-01	1.89
0	4.83E-01	0.37
15	9.98E-01	1.00
0	1.73E-01	3.79
0	9.47E-01	1.07
0	5.63E-01	1.89
0	9.29E-01	1.09
0	3.20E-01	1.74
0	1.25E-01	1.90
8	1.32E-01	0.72
0	2.25E-01	2.96
0	7.15E-01	0.60
0	6.54E-01	1.59
1	2.94E-02	0.60
0	5.55E-01	0.73
0	8.26E-01	1.14
1	1.09E-01	0.71
0	1.15E-01	0.21

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.88E-01	1.37
0	5.21E-01	1.22
0	1.41E-01	0.13
0	3.97E-01	2.04
0	3.77E-01	2.12
0	1.34E-01	5.33
0	1.89E-01	2.86
513	4.77E-02	1.20
2	6.56E-01	1.11
0	2.41E-01	2.50
0	6.98E-01	1.61
2	9.08E-01	1.02
2	9.26E-01	0.97
792	2.02E-01	1.13
3	3.90E-01	1.17
0	5.63E-01	1.89
669	2.94E-01	1.10
0	7.37E-01	1.45
2	5.32E-01	1.19
0	9.45E-01	0.94
1922	1.00E+00	0.97
2	4.40E-01	1.20
0	8.20E-01	0.72
0	7.06E-01	0.56
545	8.27E-01	1.02
0	1.43E-01	0.11
0	4.40E-01	2.83
0	4.29E-01	1.90
0	3.14E-01	0.36
14	9.15E-01	0.98
1920	7.25E-01	1.51
0	5.02E-01	0.60
551	8.75E-01	1.01
8	7.67E-01	1.05
0	3.83E-01	0.34
0	2.28E-01	0.15
0	7.95E-01	0.77
233	2.24E-01	0.89
0	2.24E-01	0.46
0	5.62E-01	0.69
0	5.69E-01	1.74
67	9.60E-01	0.99
1922	1.00E+00	0.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.21E-01	0.81
0	8.45E-01	0.83
0	1.32E-01	3.48
0	1.17E-01	0.11
0	1.66E-01	2.55
0	8.21E-01	1.17
1	8.05E-01	1.08
0	6.47E-01	1.60
0	6.98E-01	1.42
0	4.90E-01	1.39
0	4.34E-02	10.20
0	1.99E-01	1.98
702	4.26E-01	1.08
0	7.90E-01	0.84
1	4.96E-01	0.80
1	4.96E-01	0.80
0	7.83E-01	0.65
2	1.91E-02	0.50
281	2.68E-01	0.90
1	1.11E-01	1.47
0	8.74E-01	1.12
0	6.75E-01	1.29
0	3.77E-01	1.71
0	3.86E-02	0.07
0	8.74E-01	1.12
0	1.59E-02	0.13
0	5.89E-01	1.31
1	4.38E-01	0.73
0	2.26E-01	0.46
0	4.29E-02	2.20
0	1.15E-01	1.87
1922	1.00E+00	0.97
0	2.41E-01	0.47
15	2.85E-01	0.84
15	2.85E-01	0.84
1921	9.35E-01	0.80
0	1.04E-01	2.15
0	7.59E-02	0.26
0	4.07E-01	0.57
0	5.90E-01	0.50
0	1.79E-01	1.90
0	9.07E-01	1.06
1	2.63E-01	1.44

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

80	7.71E-01	1.03
0	8.59E-01	0.92
0	6.91E-01	0.58
87	3.71E-01	1.10
0	1.21E-01	6.08
0	9.21E-02	0.09
0	2.12E-02	6.84
0	5.08E-02	5.43
0	2.18E-01	3.24
1	4.40E-02	0.34
1	4.80E-01	0.75
0	9.24E-02	0.31
15	1.79E-01	0.80
15	2.05E-01	0.81
0	7.74E-01	0.87
0	1.94E-03	5.75
0	6.38E-01	0.60
1877	4.42E-01	1.41
0	6.01E-01	0.46
0	5.71E-01	1.38
0	3.66E-02	0.37
1	8.09E-01	1.07
0	7.66E-01	1.26
0	8.39E-01	0.74
0	7.06E-01	1.56
63	4.16E-01	0.91
1417	6.16E-01	1.06
0	2.68E-01	3.47
0	3.20E-02	0.08
10	1.21E-01	1.29
0	9.42E-01	1.10
0	2.07E-01	2.80
0	8.86E-01	1.12
0	7.61E-01	0.90
0	8.25E-01	0.92
0	2.93E-01	1.63
256	5.13E-01	1.06
1	8.21E-01	0.93
0	1.09E-01	2.38
0	7.35E-01	0.80
195	6.03E-01	1.05
196	6.16E-01	1.05
0	1.69E-01	4.74

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

31	2.50E-01	1.18
0	3.24E-01	2.41
0	1.29E-02	13.95
0	9.45E-01	0.94
0	4.25E-01	2.44
1	4.95E-01	1.35
0	3.11E-01	2.29
0	9.74E-01	0.95
0	9.01E-01	0.93
0	9.59E-01	0.93
0	6.54E-01	1.80
8	2.45E-01	1.22
136	7.42E-01	0.97
0	4.95E-01	2.00
0	5.43E-01	0.43
0	9.66E-02	0.21
0	5.76E-01	0.62
10	8.01E-01	1.05
0	2.86E-01	0.27
0	6.13E-01	1.89
1	8.35E-01	1.09
7	8.11E-01	1.05
0	6.97E-01	0.86
0	7.63E-01	0.65
0	1.44E-01	5.20
0	5.73E-02	6.06
138	3.40E-01	1.10
0	6.25E-01	0.60
1	4.68E-02	0.54
2	1.51E-01	0.60
1920	6.69E-01	0.47
0	4.11E-01	3.34
0	8.93E-01	1.05
0	8.64E-01	1.06
446	8.83E-01	0.99
458	7.59E-01	0.97
0	4.61E-01	1.33
0	4.26E-02	0.21
0	4.95E-01	0.41
0	6.28E-01	1.61
0	3.35E-01	0.29
725	8.06E-01	0.98
0	8.14E-01	1.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.00E-01	0.37
0	5.36E-01	1.59
742	6.77E-01	0.96
0	9.36E-01	0.95
0	9.19E-01	0.86
0	3.05E-01	2.41
3	7.18E-01	1.09
0	8.04E-01	0.85
4	4.28E-01	1.17
0	2.09E-01	0.33
3	4.17E-01	0.83
0	1.66E-01	4.90
0	9.04E-01	1.10
0	8.16E-02	6.10
0	9.86E-01	1.03
0	7.49E-01	0.63
7	2.06E-01	0.80
0	4.83E-01	0.62
3	2.43E-01	1.29
46	6.04E-01	1.07
0	4.26E-01	1.97
0	7.95E-01	0.84
1	3.83E-01	1.42
0	6.34E-01	1.43
0	5.60E-01	1.66
0	7.06E-01	1.80
0	4.78E-01	0.62
72	4.31E-01	0.91
0	2.55E-01	2.72
0	1.94E-01	3.49
0	9.71E-01	0.96
0	5.95E-01	0.63
492	1.45E-01	0.88
490	1.81E-01	0.89
2	5.57E-01	0.81
0	6.30E-01	1.71
0	1.36E-01	2.13
167	4.26E-01	0.92
0	8.11E-01	1.28
0	2.80E-01	1.84
0	2.80E-01	1.84
0	6.10E-01	1.17
0	3.89E-01	2.43

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

5	2.99E-01	0.81
0	1.28E-01	2.74
0	5.06E-01	0.74
0	3.45E-01	1.95
0	3.49E-01	0.48
0	2.78E-01	0.39
19	1.97E-01	0.82
0	9.64E-02	7.27
4	9.93E-01	1.00
0	9.23E-01	1.08
0	6.22E-02	1.76
38	3.85E-01	0.89
0	3.67E-02	2.62
0	9.69E-01	1.06
0	3.93E-01	0.48
0	5.79E-01	0.42
11	7.84E-01	0.96
0	9.95E-01	1.00
7	5.99E-01	1.09
0	2.54E-03	27.26
0	2.10E-01	3.94
0	1.25E-01	3.80
0	8.65E-01	0.83
6	3.07E-01	0.82
0	7.59E-01	0.65
0	4.61E-01	0.38
0	5.01E-01	0.39
0	2.88E-01	2.18
0	1.79E-01	0.34
0	1.20E-01	0.18
0	4.33E-01	2.35
6	9.73E-01	0.99
0	4.63E-01	1.41
0	1.30E-01	1.99
8	8.39E-01	1.03
2	4.69E-01	1.21
8	8.52E-01	1.03
0	1.29E-01	0.37
2	5.77E-01	0.87
7	8.07E-01	1.04
14	5.91E-01	1.08
0	3.05E-02	0.20
14	7.01E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.95E-01	0.89
0	1.78E-01	1.84
1	8.73E-01	0.96
0	3.78E-01	1.65
0	7.21E-01	1.22
90	3.14E-01	0.89
115	1.89E-01	0.87
1062	4.09E-01	1.09
150	5.22E-01	0.94
0	7.74E-01	0.87
0	9.81E-01	1.03
0	1.95E-01	4.47
1	1.78E-01	1.68
0	6.60E-01	0.56
1	9.03E-01	1.05
7	2.71E-01	0.81
0	9.35E-01	0.97
0	8.47E-01	0.84
0	3.63E-01	2.24
8	2.84E-01	1.20
0	8.93E-02	3.33
169	5.06E-01	1.07
0	7.15E-01	1.32
0	5.04E-01	1.29
60	8.24E-01	0.97
1	5.30E-01	0.86
0	2.93E-01	0.28
1911	2.51E-01	3.13
0	6.99E-01	0.73
12	6.86E-02	1.34
12	4.98E-02	1.37
1922	1.00E+00	0.97
0	6.56E-02	0.28
6	3.86E-01	0.84
0	9.45E-01	0.90
0	1.69E-02	0.29
1	1.25E-02	0.37
0	1.53E-01	2.98
10	6.94E-01	1.07
2	8.47E-01	0.94
0	9.20E-01	0.93
199	7.91E-01	0.97
187	7.78E-02	1.18

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.83E-01	0.57
0	7.45E-01	1.15
0	4.54E-01	1.93
0	8.85E-01	0.92
0	5.68E-01	0.53
0	1.92E-01	0.19
0	8.06E-01	1.19
1	7.87E-01	0.94
0	9.51E-02	0.09
0	9.49E-01	0.94
0	4.69E-01	2.22
0	9.73E-01	0.95
12	5.90E-01	1.09
1387	4.75E-02	1.30
0	3.06E-01	0.40
0	8.62E-01	1.16
0	7.86E-01	1.45
2	7.65E-02	0.56
0	5.95E-01	0.59
0	1.91E-01	2.25
0	6.76E-01	0.74
0	8.21E-01	0.68
4	4.78E-01	0.83
0	1.55E-01	2.54
0	2.46E-01	0.59
0	9.13E-01	1.07
0	7.76E-01	0.65
0	4.24E-01	2.13
131	6.51E-03	0.75
0	9.90E-02	2.31
0	7.13E-01	1.59
0	2.55E-01	3.74
0	7.37E-01	1.34
0	7.19E-01	0.77
0	7.24E-01	0.70
0	5.86E-01	0.80
0	5.86E-01	0.80
78	5.77E-01	0.94
0	9.49E-01	0.94
0	2.84E-01	0.50
3	7.90E-01	0.94
0	8.77E-01	0.91
0	8.87E-01	1.25

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.74E-01	2.32
264	4.62E-01	1.07
0	5.33E-01	1.28
359	3.97E-01	0.93
0	1.98E-01	2.36
0	8.96E-01	0.95
0	3.17E-01	0.38
0	7.45E-01	1.51
242	6.11E-01	1.05
3	4.60E-01	1.18
26	5.07E-01	0.91
0	7.88E-01	0.71
0	7.50E-01	0.64
0	4.62E-01	0.36
0	3.59E-01	1.33
0	1.79E-01	4.39
0	9.09E-01	1.20
78	1.78E-01	1.16
0	3.27E-01	1.36
1	1.00E+00	1.00
0	6.97E-01	1.21
1	3.97E-01	1.43
373	9.14E-01	0.99
0	4.28E-01	2.36
18	7.04E-01	1.06
0	6.10E-01	1.37
0	1.04E-01	2.44
23	7.41E-01	1.05
23	6.36E-01	1.07
5	7.82E-01	1.06
46	6.67E-01	1.05
76	4.06E-01	1.10
0	6.87E-01	1.52
0	9.91E-01	1.00
5	8.00E-01	0.95
0	6.94E-01	0.82
0	3.86E-01	0.63
0	8.29E-01	0.90
1	6.54E-01	0.76
48	7.46E-01	1.04
0	5.37E-02	5.68
0	4.09E-01	2.40
49	7.45E-01	1.04

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	6.22E-01	0.89
0	5.78E-01	1.60
0	1.55E-01	2.01
6	4.47E-01	0.87
0	1.60E-01	0.29
0	3.80E-01	0.73
2	4.73E-01	1.19
1918	4.16E-01	0.41
0	5.73E-01	0.71
1	6.71E-01	0.88
0	1.06E-01	0.31
0	8.62E-01	0.86
0	5.42E-01	1.75
0	6.12E-01	1.40
1	3.69E-01	0.78
1	8.74E-01	0.94
0	6.01E-01	1.78
293	8.14E-01	0.98
0	8.09E-01	1.20
0	5.41E-01	1.84
1922	1.00E+00	0.97
3	9.04E-01	1.03
178	5.22E-01	1.06
8	2.08E-01	0.76
0	8.72E-01	0.87
0	5.58E-01	0.61
0	5.93E-01	1.25
0	2.64E-02	0.21
0	3.49E-01	0.29
0	6.65E-01	2.50
274	6.84E-01	0.96
0	9.05E-01	1.08
0	8.20E-01	1.44
0	5.41E-01	0.42
0	3.89E-01	0.42
12	2.27E-01	1.25
0	5.03E-01	1.83
0	6.22E-01	0.73
2	7.78E-01	1.13
66	8.87E-01	1.02
0	6.86E-01	1.51
0	1.51E-01	0.11
1	3.04E-01	1.78

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.25E-01	1.24
0	3.28E-01	0.39
0	5.32E-01	0.43
0	4.11E-01	2.47
0	6.17E-01	1.77
1	8.56E-01	1.12
0	6.03E-01	1.85
0	1.37E-01	0.17
0	4.20E-02	9.86
0	6.80E-01	1.25
0	3.12E-01	0.48
0	7.93E-01	0.87
0	7.56E-01	1.38
328	6.91E-01	1.04
0	6.96E-01	0.66
0	1.33E-01	2.80
0	9.73E-01	0.95
1	9.75E-01	1.02
0	3.40E-01	0.28
0	5.82E-01	1.25
0	1.77E-01	0.21
0	4.19E-01	0.35
0	7.71E-01	0.81
0	4.19E-01	0.35
2	7.15E-01	1.11
0	3.22E-03	0.32
0	3.90E-01	1.48
0	7.46E-01	0.74
2	4.06E-01	1.21
0	7.65E-01	1.33
0	5.47E-03	0.04
0	5.47E-03	0.04
4	8.00E-01	0.94
748	5.44E-01	0.95
4	7.64E-01	1.08
0	8.67E-01	1.14
2	7.51E-01	0.89
5	1.50E-01	1.32
166	4.63E-01	0.93
0	5.22E-01	0.42
294	7.20E-01	1.03
0	5.00E-01	1.85
0	4.11E-01	2.31

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.28E-01	1.11
0	8.51E-01	1.10
1	7.78E-02	0.51
0	5.87E-01	2.03
163	9.79E-02	0.85
0	4.41E-01	0.70
0	3.07E-01	0.63
0	1.57E-01	3.19
0	8.13E-01	0.80
0	9.33E-01	1.14
0	7.58E-01	1.32
1922	1.00E+00	0.97
0	2.16E-02	5.05
0	8.40E-01	0.75
117	3.56E-01	0.91
2	7.47E-01	1.08
0	2.91E-01	3.47
718	7.72E-01	1.03
101	2.46E-01	0.88
1921	7.88E-01	1.53
261	1.63E-01	1.14
1	4.15E-01	0.75
0	2.55E-01	2.57
20	5.98E-01	0.92
0	3.39E-02	0.04
0	3.39E-02	0.04
0	8.73E-01	0.88
0	4.73E-01	0.66
0	9.54E-01	0.92
0	6.26E-01	0.57
0	1.80E-01	3.79
275	6.35E-01	0.96
0	1.68E-01	4.20
0	9.07E-01	1.04
0	6.31E-01	0.58
0	4.76E-01	0.59
0	7.88E-01	0.78
1	6.05E-01	1.31
0	7.81E-01	0.78
0	5.28E-01	0.59
0	8.50E-01	1.22
0	9.28E-01	0.87
42	6.11E-01	0.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

46	4.00E-02	0.78
0	6.08E-01	1.68
0	8.33E-01	1.09
0	7.90E-01	1.47
45	7.04E-02	0.80
34	8.58E-01	0.98
63	8.28E-01	0.97
251	5.18E-02	1.20
0	9.54E-01	1.05
0	9.99E-01	1.00
0	9.87E-01	1.01
0	5.39E-01	0.45
2	7.23E-01	0.90
0	2.05E-03	16.08
0	2.05E-03	16.08
0	2.05E-03	16.08
0	2.05E-03	16.08
0	8.93E-03	8.69
0	8.02E-01	0.83
0	7.44E-01	1.25
0	5.08E-01	1.54
0	8.05E-01	0.82
0	9.56E-01	0.97
10	5.06E-01	1.13
4	2.23E-01	1.26
0	4.36E-01	0.60
324	3.29E-01	1.09
0	3.53E-01	2.50
0	6.52E-01	1.65
0	8.82E-01	0.88
0	4.90E-01	0.37
0	4.10E-01	0.68
0	9.00E-01	0.90
0	7.81E-01	1.29
1	4.61E-01	0.72
0	6.25E-01	0.49
0	7.03E-01	1.15
1783	7.37E-01	0.92
0	7.23E-01	1.14
0	7.98E-01	0.77
0	9.49E-01	0.89
0	3.68E-01	0.67
0	7.02E-01	1.26

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

692	2.02E-02	1.23
0	9.17E-01	1.12
0	3.52E-01	0.41
0	5.56E-01	0.66
0	3.39E-01	0.37
3	6.20E-01	0.86
0	4.55E-01	0.49
0	5.46E-01	1.48
6	8.61E-01	0.96
0	4.31E-01	0.50
1	5.16E-01	0.75
0	8.72E-01	1.06
0	4.59E-01	0.36
0	2.75E-01	3.12
3	2.06E-01	0.71
0	3.55E-01	0.30
0	4.72E-01	2.44
0	5.47E-01	1.47
0	5.44E-01	0.55
0	8.97E-01	0.84
0	4.19E-01	0.46
11	8.53E-01	1.03
0	1.96E-01	0.20
62	5.75E-01	0.94
23	1.93E-01	0.82
0	4.66E-01	1.31
0	9.37E-01	0.96
0	2.02E-02	0.06
0	8.04E-01	0.78
0	2.85E-01	1.40
0	4.88E-02	3.05
7	6.42E-01	0.92
17	2.11E-01	1.21
0	4.62E-01	1.74
0	1.88E-01	0.16
16	1.92E-01	1.22
0	4.75E-02	7.42
0	5.69E-01	0.43
0	8.60E-01	0.90
0	4.01E-02	0.29
0	5.40E-01	1.68
0	1.50E-01	2.06
0	9.93E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.26E-01	0.33
0	5.12E-01	0.39
0	7.55E-01	0.87
0	4.33E-01	1.77
0	1.92E-01	3.03
0	7.72E-01	0.73
0	9.97E-01	1.00
0	8.56E-01	0.90
0	8.10E-01	1.13
0	1.10E-01	0.12
0	5.72E-02	3.68
0	9.66E-01	1.02
0	3.89E-01	0.31
0	9.12E-01	1.19
0	1.68E-02	0.08
0	5.93E-01	0.61
0	2.67E-01	0.27
1	6.12E-01	1.58
0	3.94E-02	8.34
0	5.93E-03	2.42
20	2.83E-01	1.17
1	7.82E-01	1.09
0	9.99E-01	1.00
1922	1.00E+00	0.97
0	6.97E-01	1.52
0	8.55E-01	1.18
0	8.62E-01	1.28
0	9.35E-02	2.86
0	9.96E-01	1.00
0	7.63E-01	0.82
0	4.41E-01	1.70
0	6.61E-01	0.67
0	5.24E-01	1.42
0	4.28E-01	0.51
0	9.18E-01	1.08
0	7.61E-01	1.23
3	4.43E-01	1.18
1194	4.96E-01	1.08
4	9.79E-01	0.99
164	7.91E-01	1.03
0	8.54E-01	1.14
0	5.84E-01	0.82
1	9.12E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.61E-01	1.58
5	4.96E-01	1.14
0	6.88E-01	1.55
0	9.62E-01	0.98
18	1.74E-01	1.24
0	4.78E-01	3.46
4	7.42E-01	0.92
0	9.57E-01	1.09
3	1.17E-01	1.47
0	3.04E-01	0.29
0	4.46E-01	0.43
0	5.82E-01	0.57
119	4.90E-01	0.93
0	1.45E-01	0.11
1	6.80E-02	2.89
0	2.14E-01	0.56
854	5.98E-01	0.95
0	4.05E-01	2.59
0	8.74E-01	1.22
0	5.82E-01	0.43
1	3.15E-01	0.67
0	8.63E-01	0.92
0	7.97E-02	2.13
0	5.47E-01	0.72
2	3.96E-01	0.80
0	9.87E-03	5.51
159	3.15E-02	0.80
0	7.42E-01	0.83
17	5.92E-01	0.93
0	2.53E-01	4.18
51	2.71E-01	1.14
4	3.40E-01	0.80
54	5.86E-01	0.94
1904	2.24E-01	0.49
1815	7.73E-01	1.09
1814	7.65E-01	1.09
41	7.79E-01	1.04
0	5.22E-01	0.50
0	2.13E-01	0.22
0	1.01E-01	0.21
1783	3.21E-01	1.29
1	8.59E-01	1.29
0	8.94E-01	1.13

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.18E-01	4.05
0	7.00E-01	0.67
20	2.23E-01	1.18
1	7.76E-02	0.52
49	3.19E-02	0.76
0	9.17E-01	0.86
8	8.67E-01	0.96
868	6.16E-01	0.95
5	5.36E-01	0.85
55	3.14E-03	1.41
4	8.66E-01	0.96
0	9.22E-01	1.16
0	2.50E-01	0.17
0	6.67E-02	0.11
0	2.92E-01	0.59
1860	3.81E-01	0.75
136	7.31E-01	0.97
1	6.22E-01	1.16
0	7.80E-01	0.93
0	8.92E-01	1.13
8	4.07E-01	1.16
0	3.65E-01	0.45
2	6.30E-01	1.13
0	5.68E-01	1.81
1743	6.84E-01	0.92
0	3.82E-01	1.53
0	5.94E-01	0.76
6	2.06E-01	1.30
0	4.02E-02	0.06
0	2.27E-01	3.18
0	7.37E-01	0.80
0	8.46E-01	0.90
0	5.03E-01	1.68
449	2.78E-01	1.10
0	8.08E-01	0.86
125	2.14E-01	1.14
0	4.47E-01	2.13
3	6.42E-01	1.12
0	7.85E-01	0.73
0	5.19E-01	0.51
0	8.72E-01	0.79
3	2.12E-01	1.31
127	4.65E-01	1.08

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

30	4.13E-01	1.11
112	7.17E-01	1.04
0	5.54E-01	0.61
0	9.48E-01	0.96
0	8.39E-01	0.75
71	4.23E-01	1.09
0	8.01E-01	0.74
0	3.11E-01	0.27
0	8.84E-01	0.87
0	3.82E-01	1.30
0	9.17E-01	0.86
0	2.35E-01	0.18
0	2.35E-01	0.18
0	4.55E-01	1.89
7	9.89E-01	1.00
0	1.60E-01	0.47
0	1.58E-01	2.87
30	8.20E-01	0.97
63	2.23E-01	0.86
0	9.51E-01	0.95
9	1.98E-01	0.77
1353	3.03E-01	0.88
0	8.72E-01	1.27
11	5.35E-01	1.11
0	6.93E-01	1.53
0	4.62E-01	1.46
0	4.27E-01	1.96
1	6.45E-01	0.87
87	6.00E-01	0.94
0	1.03E-01	0.22
20	5.79E-01	1.09
0	4.36E-01	1.50
598	8.43E-01	1.02
0	3.26E-01	2.83
0	7.22E-01	0.61
0	1.48E-01	0.20
0	7.25E-01	0.61
0	3.56E-01	0.37
0	9.01E-01	0.96
0	6.98E-05	8.17
0	1.33E-01	0.19
904	5.63E-01	1.06
2	9.23E-01	1.03

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.05E-01	1.67
0	2.20E-01	2.14
0	4.85E-01	2.18
1268	4.23E-01	1.10
0	7.85E-01	1.08
226	5.83E-01	0.95
0	6.35E-01	0.51
26	2.42E-01	0.84
898	9.88E-02	1.17
0	4.82E-01	0.34
0	7.14E-01	0.60
0	7.89E-01	0.66
26	1.71E-03	1.54
0	1.15E-02	6.43
0	5.86E-01	1.39
0	2.05E-01	4.60
232	7.53E-01	1.03
0	7.30E-01	1.45
0	6.62E-01	1.33
0	7.24E-01	0.70
0	4.89E-01	1.28
2	8.40E-02	1.57
1	5.47E-01	1.48
2	7.16E-01	1.21
0	7.79E-01	0.88
0	4.20E-01	1.63
0	6.89E-01	0.58
3	9.52E-01	1.02
9	1.85E-01	1.27
0	5.46E-01	0.85
0	8.14E-02	2.48
0	6.38E-02	3.78
0	1.01E-01	1.68
0	3.86E-01	3.38
0	9.74E-02	4.43
0	3.88E-01	0.31
8	1.69E-01	1.29
0	5.60E-01	0.68
1	8.61E-01	1.08
0	7.57E-01	0.72
0	2.98E-01	1.47
0	7.73E-01	1.16
0	4.18E-01	0.63

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.70E-01	0.50
4	1.79E-01	1.44
341	7.69E-01	0.97
8	1.80E-01	1.29
0	7.24E-01	1.42
10	9.17E-01	1.02
0	1.53E-01	2.50
2	3.71E-01	1.27
0	5.59E-01	0.67
0	9.97E-01	1.01
2	3.12E-01	1.26
0	4.66E-01	0.46
0	1.04E-01	0.12
0	5.99E-01	0.46
0	8.89E-01	1.16
22	6.44E-01	1.07
0	4.56E-01	2.42
0	8.16E-01	0.71
0	7.88E-01	1.24
10	9.50E-01	1.01
2	2.77E-01	1.39
1	6.68E-01	0.91
0	3.53E-01	0.39
0	6.79E-01	0.77
0	9.11E-01	1.12
0	2.07E-01	1.79
21	4.22E-01	0.88
3	3.81E-01	0.82
3	4.22E-01	0.83
0	4.22E-02	0.16
2	6.15E-01	0.89
1	1.17E-01	1.58
0	8.86E-01	0.81
2	4.31E-01	0.83
1	8.85E-02	1.69
0	2.37E-01	0.49
3	3.25E-01	1.21
0	9.81E-01	0.98
0	2.32E-01	0.34
6	6.52E-01	0.90
0	1.59E-01	0.44
0	5.61E-01	1.29
0	8.03E-01	1.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.86E-01	1.50
461	6.51E-01	1.04
0	6.72E-01	1.47
0	9.39E-01	1.11
0	2.83E-01	0.38
4	9.61E-01	0.99
0	8.36E-01	0.82
3	8.09E-01	1.06
0	1.40E-01	2.27
0	9.05E-01	0.91
0	9.35E-01	1.04
0	1.22E-01	4.51
0	7.11E-01	0.65
4	9.66E-01	0.99
0	8.52E-01	1.16
0	1.73E-01	0.40
4	8.04E-01	0.95
0	5.62E-01	0.66
0	1.21E-01	3.23
0	3.53E-01	2.95
0	3.15E-02	0.07
60	9.59E-01	1.01
0	2.95E-01	0.25
2	4.23E-01	1.24
0	6.08E-01	1.52
28	7.66E-01	1.04
4	8.32E-01	0.96
1922	1.00E+00	0.97
0	3.54E-01	0.31
0	8.62E-01	1.16
0	6.17E-01	1.67
0	2.19E-02	4.72
0	7.03E-01	0.59
661	3.98E-01	0.93
0	5.97E-01	0.71
0	2.70E-01	0.66
0	9.45E-01	0.93
0	5.11E-01	0.70
0	3.37E-01	2.51
0	3.88E-01	1.40
12	4.34E-01	1.13
0	7.27E-01	1.36
0	8.87E-01	0.88

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

300	3.17E-01	0.91
162	7.04E-01	1.04
0	3.48E-01	0.41
0	3.31E-01	0.50
0	8.29E-01	0.82
0	3.92E-01	1.56
0	8.05E-01	1.07
0	8.65E-01	0.83
0	3.07E-01	1.97
0	4.04E-01	0.33
0	3.71E-01	2.68
2	8.93E-01	1.03
0	8.05E-01	0.78
0	2.67E-01	0.22
0	8.33E-01	0.83
0	8.17E-01	1.16
1	7.92E-01	1.20
0	8.77E-01	1.20
0	3.22E-01	3.05
0	7.85E-01	0.84
58	2.40E-01	0.87
2	8.43E-01	1.05
0	4.00E-01	0.40
0	2.63E-01	1.71
0	4.58E-01	2.11
0	6.39E-02	5.31
0	6.96E-01	1.26
0	2.58E-01	2.41
0	2.24E-01	1.65
0	5.51E-01	0.42
1	9.28E-01	1.04
0	5.20E-01	2.09
0	3.87E-01	2.60
0	4.56E-01	0.70
0	3.57E-01	0.33
0	9.05E-01	0.95
0	3.35E-02	8.30
0	1.89E-01	3.73
0	6.38E-02	0.08
0	3.78E-01	1.40
0	1.99E-01	2.72
1	4.02E-01	0.60
0	4.40E-01	1.55

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.89E-01	2.47
1	6.52E-01	0.83
0	6.15E-01	0.47
0	3.38E-01	0.63
0	6.61E-01	0.63
1697	9.81E-02	0.73
0	7.67E-01	0.76
0	9.00E-01	0.89
0	5.94E-01	1.82
0	5.17E-01	0.42
0	3.38E-01	0.41
477	8.06E-01	0.98
21	8.28E-01	0.97
0	3.29E-01	3.49
0	9.45E-01	1.13
0	3.37E-01	0.57
0	2.87E-01	0.48
0	8.28E-01	0.77
0	8.77E-01	0.83
0	9.00E-01	0.87
0	3.16E-01	3.24
0	3.20E-01	3.21
0	9.09E-01	1.11
0	2.37E-01	0.35
0	4.94E-01	1.76
0	5.21E-01	1.56
1	3.19E-01	1.54
3	3.07E-02	1.51
0	4.95E-01	0.64
1	1.73E-01	2.75
62	3.99E-01	0.91
1770	1.66E-01	0.74
26	9.01E-01	1.02
0	3.27E-01	3.04
45	4.99E-02	0.77
926	1.84E-02	0.80
932	7.69E-01	1.03
0	9.40E-01	1.03
0	8.36E-01	1.12
60	1.39E-01	0.83
180	9.99E-02	0.85
1	1.43E-02	0.38
56	4.73E-01	0.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	4.53E-01	1.25
0	2.63E-01	0.22
0	5.39E-01	0.66
0	3.29E-01	2.42
0	6.70E-01	1.68
0	4.52E-01	0.43
0	8.54E-01	1.11
0	9.57E-01	1.04
78	1.83E-01	1.16
0	4.99E-01	0.68
0	3.54E-01	3.33
0	2.29E-01	2.88
230	8.11E-01	1.02
0	7.34E-01	1.12
0	7.04E-01	1.14
507	3.83E-01	1.08
0	9.87E-01	1.03
4	7.40E-01	1.08
12	3.47E-01	0.85
0	8.55E-01	0.75
5	7.56E-01	1.07
3	8.92E-01	0.96
0	8.50E-01	1.20
0	3.93E-01	0.51
1	1.62E-01	0.36
0	4.11E-01	2.29
0	2.02E-02	2.86
0	9.62E-01	1.06
358	8.56E-01	0.98
0	6.38E-01	1.35
0	6.08E-01	1.39
59	7.05E-01	1.05
0	1.37E-01	0.10
6	6.40E-01	1.08
0	6.10E-01	0.76
0	3.19E-01	1.94
1	9.70E-01	1.01
0	5.59E-01	1.24
0	1.27E-01	4.60
0	3.34E-01	2.85
0	8.71E-01	1.23
1	9.40E-01	1.03
0	5.55E-01	2.50

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.88E-01	0.66
0	3.91E-01	0.49
0	8.45E-02	0.45
0	3.77E-01	0.67
0	1.63E-01	3.22
8	7.92E-01	0.95
0	5.58E-01	1.80
1	6.17E-01	0.69
0	5.93E-01	1.85
320	7.84E-01	1.03
838	4.92E-01	0.94
1	2.41E-01	0.66
0	2.13E-01	2.17
1	1.76E-01	1.50
0	8.69E-01	0.90
1	8.59E-01	0.95
0	9.94E-01	1.00
0	2.08E-01	3.01
0	8.41E-01	0.71
0	1.61E-01	2.02
0	9.25E-02	5.78
0	4.26E-01	0.36
0	5.29E-01	0.59
0	3.54E-01	0.29
0	4.42E-01	1.92
1311	3.86E-01	0.91
0	7.76E-01	1.37
0	3.17E-01	2.39
0	2.70E-01	0.27
1	3.66E-02	2.56
3	8.81E-01	1.04
0	8.19E-01	1.17
0	9.57E-01	1.06
0	8.64E-02	5.82
1	3.66E-01	2.08
4	8.10E-01	1.05
75	6.31E-01	1.06
0	3.82E-01	0.40
0	7.05E-01	0.55
0	1.52E-01	4.38
1	9.76E-01	1.01
7	3.72E-01	0.84
92	1.44E-01	0.85

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

6	8.07E-01	0.95
0	7.87E-01	1.33
0	7.21E-01	0.72
0	6.52E-01	1.53
0	7.93E-01	0.74
0	2.01E-01	0.41
1	9.26E-01	0.97
1	6.36E-01	1.16
0	3.26E-01	1.99
1591	9.35E-01	0.99
0	5.08E-01	1.34
173	6.25E-01	1.05
0	9.71E-01	0.99
0	3.37E-01	3.33
0	4.89E-01	0.82
0	4.96E-01	1.42
0	6.97E-01	0.82
46	2.26E-01	0.86
480	6.60E-01	0.96
28	5.70E-01	1.08
0	6.15E-01	1.53
280	2.86E-01	0.91
0	4.77E-01	0.40
264	9.93E-01	1.00
0	5.74E-01	0.78
109	9.42E-01	0.99
0	9.81E-01	0.97
0	9.11E-01	0.85
0	5.72E-01	1.84
8	7.72E-02	1.38
0	3.91E-01	2.61
0	4.21E-01	2.05
1	4.76E-01	0.78
15	1.36E-01	0.78
702	9.35E-01	0.99
0	4.39E-01	0.72
0	1.23E-01	2.13
2	7.46E-01	1.06
0	3.72E-02	1.77
0	7.27E-01	1.28
0	3.53E-01	2.92
0	5.28E-01	0.72
0	6.05E-01	1.74

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

104	1.47E-01	0.86
1	7.35E-01	0.91
0	5.84E-01	1.30
1147	1.98E-01	1.15
0	2.01E-01	3.03
16	1.37E-02	0.65
0	1.46E-01	2.22
0	1.07E-01	2.85
0	1.08E-01	2.84
0	1.32E-01	0.17
15	6.82E-03	0.62
97	8.70E-01	1.02
0	7.30E-01	0.62
0	6.66E-01	0.84
0	9.34E-02	5.30
0	9.34E-02	5.30
119	3.39E-01	1.10
1	9.36E-01	1.02
0	5.81E-01	1.80
0	7.75E-01	0.68
68	1.02E-01	0.82
0	5.53E-01	0.59
71	1.25E-01	0.83
0	9.21E-01	1.04
1186	2.41E-01	1.14
0	9.62E-01	1.04
0	4.10E-01	0.35
0	8.49E-01	0.76
408	9.83E-01	1.00
446	9.37E-01	0.99
0	2.08E-01	1.40
375	9.85E-01	1.00
1332	3.52E-01	1.12
263	5.66E-01	1.05
97	9.49E-01	0.99
154	8.70E-01	1.02
0	9.64E-01	1.06
1	6.19E-01	1.45
219	9.44E-01	0.99
732	9.79E-01	1.00
147	8.86E-01	1.01
738	9.93E-01	1.00
737	8.62E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.13E-01	0.70
0	6.63E-01	0.52
400	3.88E-01	0.93
0	6.48E-01	1.64
107	3.60E-01	1.10
1	2.01E-01	0.50
0	7.84E-01	1.24
0	6.94E-01	1.22
1	7.44E-01	1.14
4	3.23E-01	0.80
5	3.17E-02	0.61
15	4.45E-01	0.88
0	1.79E-01	4.46
0	1.84E-01	2.22
0	7.35E-01	0.86
0	6.61E-01	0.52
0	4.70E-01	1.75
0	1.15E-02	6.55
0	1.98E-01	0.47
0	4.29E-01	0.34
1	8.46E-01	1.07
0	4.92E-01	1.42
0	6.27E-01	1.41
0	9.27E-02	2.17
0	7.91E-01	0.91
0	8.17E-01	1.11
0	2.01E-01	0.40
0	2.21E-02	7.04
1	2.70E-01	0.59
0	9.89E-01	1.02
0	7.31E-01	1.39
0	7.79E-01	1.50
0	6.05E-01	0.74
0	1.84E-03	12.33
0	3.52E-01	0.42
2	1.56E-01	1.42
0	8.10E-01	0.85
0	7.41E-01	1.57
0	5.55E-01	0.44
0	1.98E-01	2.03
26	5.18E-01	1.09
2	2.42E-01	0.70
0	4.34E-01	0.41

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.22E-01	1.23
160	7.82E-01	1.03
0	1.32E-01	3.98
1	7.22E-01	0.89
1	1.74E-01	1.41
355	9.43E-01	0.99
0	3.09E-01	3.13
17	2.69E-02	0.70
0	9.91E-01	1.02
237	8.72E-01	0.98
0	5.79E-01	1.50
0	1.42E-01	1.60
214	3.47E-01	0.91
95	1.91E-01	1.15
213	3.31E-01	0.91
3	2.70E-01	0.80
0	8.32E-01	1.26
0	8.67E-01	0.76
1	5.91E-01	1.31
290	1.22E-01	0.87
1	2.60E-01	1.87
0	9.20E-01	0.86
0	4.93E-01	2.04
0	5.79E-01	1.50
0	1.67E-01	1.55
0	6.32E-01	1.56
0	5.65E-03	2.19
0	1.46E-01	5.24
0	4.91E-01	0.60
155	6.68E-01	0.96
0	8.58E-01	0.92
16	5.12E-01	0.89
106	9.55E-01	0.99
17	5.87E-01	0.91
254	2.88E-01	1.10
0	8.58E-01	1.07
0	3.88E-01	1.50
0	3.13E-01	0.67
0	2.51E-01	2.74
169	3.44E-01	0.91
0	6.89E-01	1.90
0	9.23E-01	1.10
0	6.46E-01	0.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1922	2.74E-01	0.19
0	4.47E-01	0.52
0	8.28E-01	0.73
9	3.47E-01	1.18
0	5.49E-01	0.77
0	8.92E-01	1.07
0	8.92E-01	1.16
0	7.81E-01	0.64
0	9.24E-01	1.07
0	7.31E-01	1.12
0	6.26E-01	1.53
0	1.16E-01	0.14
1922	1.00E+00	0.97
0	1.16E-01	0.14
0	1.36E-01	2.30
0	4.74E-01	0.63
1	7.94E-02	0.32
1	2.91E-01	0.73
0	9.00E-01	1.14
0	9.71E-01	1.02
353	8.10E-01	0.98
0	7.45E-01	1.23
0	9.22E-01	0.93
4	4.18E-01	0.85
247	3.06E-01	1.10
0	4.06E-01	0.32
0	5.20E-01	1.89
0	1.87E-01	2.88
0	8.68E-01	1.20
1	6.37E-01	0.78
0	5.21E-01	0.40
0	5.95E-01	0.45
0	7.62E-01	0.75
0	7.54E-01	1.19
0	2.01E-01	3.17
0	7.34E-01	0.74
0	4.64E-01	0.37
0	5.30E-01	0.43
5	6.15E-01	1.10
0	7.02E-01	0.74
0	6.69E-01	1.58
0	9.74E-01	1.01
0	4.70E-01	0.45

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.70E-01	0.45
0	4.70E-01	0.45
0	5.84E-01	1.42
1	9.70E-01	1.02
1	7.29E-01	1.10
33	4.13E-01	1.12
0	5.03E-01	0.60
0	7.71E-01	1.38
0	5.32E-01	1.86
0	9.44E-01	1.11
0	1.05E-01	4.87
0	2.78E-01	0.26
0	4.93E-01	1.96
0	7.63E-01	1.36
0	8.53E-01	0.81
2	7.84E-01	0.92
239	6.96E-01	0.96
0	4.26E-01	0.59
22	8.84E-01	0.98
0	9.84E-01	1.03
0	2.89E-01	3.20
0	6.38E-01	0.60
0	4.37E-01	2.39
1	4.31E-01	0.34
0	7.48E-01	1.35
0	5.66E-01	0.45
0	7.60E-02	1.79
0	6.52E-01	0.79
0	9.92E-01	0.99
0	5.82E-01	0.47
0	5.39E-01	1.60
1	4.18E-01	1.33
0	2.46E-01	0.23
0	5.22E-01	1.94
4	8.17E-02	1.39
0	5.83E-01	1.71
0	8.03E-01	1.35
10	7.19E-01	0.94
0	3.74E-01	1.60
262	9.26E-01	0.99
1	2.34E-01	0.53
13	6.91E-01	1.07
0	5.19E-01	0.41

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.96E-03	0.04
0	1.01E-01	0.23
0	5.55E-01	0.59
0	8.05E-01	1.19
0	8.81E-01	0.85
323	7.34E-02	0.85
0	5.49E-01	0.75
0	5.97E-01	0.62
0	5.35E-01	0.41
0	2.07E-01	0.22
286	1.48E-01	0.87
0	8.75E-01	1.23
0	1.49E-02	0.40
0	8.93E-01	0.82
0	5.07E-01	1.91
0	5.93E-01	0.45
0	4.29E-01	2.23
0	3.57E-01	0.56
0	8.31E-02	0.07
0	6.83E-01	1.32
0	6.83E-01	1.32
0	3.51E-01	0.30
0	8.77E-01	0.78
859	1.69E-01	1.14
0	4.01E-01	0.53
0	8.18E-01	0.81
0	2.76E-01	0.20
25	8.28E-01	1.03
0	4.90E-03	18.67
236	5.89E-02	1.19
43	6.17E-01	1.07
1144	4.56E-01	0.92
46	5.56E-01	1.08
0	9.01E-01	0.88
0	1.32E-01	2.87
95	1.24E-01	1.18
43	6.38E-01	1.06
0	5.18E-01	1.79
0	1.11E-02	7.39
191	1.28E-01	0.86
1	3.24E-01	1.52
0	2.09E-02	3.74
0	1.11E-02	7.39

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

208	1.33E-01	0.87
0	7.61E-01	0.65
214	8.48E-02	0.85
0	3.64E-01	2.85
0	3.64E-01	2.85
0	7.94E-01	1.52
21	8.25E-01	0.97
0	3.31E-01	2.76
0	4.85E-01	1.92
204	3.78E-02	0.82
0	9.31E-01	0.93
0	6.86E-01	0.80
0	3.47E-01	0.48
0	7.61E-01	0.65
0	3.11E-01	2.45
0	1.00E-02	14.51
1	9.72E-01	1.02
1916	2.75E-01	0.39
281	4.45E-01	1.07
0	1.82E-01	0.28
0	1.52E-01	2.68
0	4.75E-01	2.05
3	2.21E-01	0.76
0	3.30E-01	2.24
10	6.14E-01	0.92
0	6.08E-01	0.54
0	3.60E-01	0.32
0	7.29E-01	0.81
0	7.44E-01	1.37
0	7.02E-01	0.63
0	4.56E-01	0.36
11	3.15E-01	0.84
0	6.98E-01	0.75
1	9.59E-01	0.97
0	9.67E-01	0.98
0	9.22E-01	1.04
0	9.49E-01	0.95
0	5.64E-01	1.43
18	9.43E-01	0.99
0	5.90E-02	2.49
0	8.15E-01	1.17
7	7.77E-01	0.95
0	8.47E-01	0.75

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

3	4.60E-01	0.81
0	9.29E-01	0.92
1532	3.55E-01	1.15
2	3.38E-01	0.78
0	7.64E-01	1.23
0	4.61E-01	2.12
0	8.20E-01	1.44
0	2.41E-03	8.30
0	6.60E-01	1.18
0	5.29E-01	0.64
3	2.94E-01	0.75
0	7.10E-01	1.15
1537	4.92E-01	1.11
1537	4.92E-01	1.11
2	3.38E-01	0.78
3	4.18E-01	0.80
1	3.25E-01	1.54
0	3.57E-01	2.60
2	8.83E-01	1.05
0	8.14E-01	0.71
0	3.51E-01	2.12
0	4.88E-01	0.40
0	9.67E-01	1.07
0	4.38E-01	1.53
73	4.29E-01	1.09
0	9.33E-01	1.05
8	9.60E-01	0.99
0	4.11E-01	1.55
95	9.25E-01	0.99
0	3.16E-02	3.76
0	3.08E-02	3.78
0	5.16E-02	1.86
0	2.36E-01	2.28
0	5.53E-01	0.45
0	9.15E-01	1.06
0	6.27E-01	1.29
4	6.05E-01	1.17
1	3.39E-01	0.77
1	1.10E-01	2.20
0	5.36E-01	0.59
162	2.35E-01	0.89
0	5.60E-01	1.28
0	9.50E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

20	6.04E-01	0.92
0	9.19E-01	0.91
21	6.85E-01	0.94
0	8.67E-01	0.92
195	3.97E-01	0.92
1	6.03E-01	0.87
19	6.88E-01	0.94
0	4.11E-01	1.79
315	1.72E-01	0.88
0	3.42E-01	0.29
0	2.53E-02	0.07
0	4.52E-01	1.51
0	7.08E-01	0.72
0	7.78E-01	1.25
0	9.75E-01	1.05
51	2.96E-01	1.14
0	9.42E-01	0.97
19	5.71E-01	0.92
13	6.37E-01	0.92
0	2.91E-01	0.62
0	7.82E-01	0.89
1	4.59E-01	0.39
0	4.95E-01	1.73
11	2.83E-01	1.23
48	5.39E-01	0.92
0	8.61E-01	0.84
900	8.48E-01	0.98
8	5.28E-01	0.89
0	1.03E-01	0.29
0	9.46E-02	3.26
0	8.53E-01	0.83
7	9.07E-01	1.02
31	1.55E-02	0.70
0	2.69E-01	3.01
596	2.22E-01	1.12
1331	1.70E-01	1.18
0	2.73E-01	2.61
50	1.03E-01	1.21
114	9.20E-01	0.99
595	2.52E-01	1.11
0	2.01E-01	0.34
1331	1.71E-01	1.18
0	9.03E-01	1.18

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.40E-01	1.63
0	8.00E-01	1.29
0	9.89E-01	0.99
0	9.64E-01	0.97
0	8.28E-01	1.08
2	5.77E-01	1.16
83	4.93E-01	1.08
131	7.66E-01	0.97
0	7.01E-01	1.26
0	8.36E-01	1.08
0	8.36E-01	1.08
0	6.38E-01	0.62
0	3.36E-01	0.58
7	3.77E-01	1.17
2	4.38E-01	1.27
0	9.11E-01	1.06
12	5.69E-01	0.91
0	9.35E-01	0.98
1020	4.01E-01	0.92
1092	6.99E-01	0.96
0	9.49E-02	3.38
1	6.31E-02	2.03
0	9.10E-01	0.95
1015	1.48E-01	1.16
1	4.63E-01	1.44
0	5.25E-01	1.79
0	5.16E-01	0.41
0	7.76E-01	0.78
0	1.10E-01	2.64
0	6.12E-01	1.69
1918	2.69E-01	0.41
1918	6.20E-02	0.23
36	8.68E-01	0.98
1	1.46E-02	4.07
1	8.99E-01	1.04
3	9.28E-01	0.98
59	9.45E-02	0.82
685	5.61E-02	0.84
0	2.21E-01	2.90
1	2.77E-01	1.41
3	3.87E-01	0.82
144	2.43E-01	1.12
91	3.70E-01	0.90

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.30E-01	0.50
0	9.33E-01	1.07
155	2.17E-01	1.13
14	4.42E-01	0.88
0	3.35E-01	0.58
84	5.53E-01	0.94
95	3.30E-01	0.90
0	5.98E-01	0.48
74	9.11E-01	0.99
0	7.87E-01	0.83
871	4.66E-01	0.93
0	9.11E-01	0.85
3	4.67E-02	0.61
943	6.04E-02	0.83
0	9.02E-01	1.08
206	8.30E-01	1.02
169	3.26E-01	1.10
16	3.43E-01	1.15
0	9.03E-02	7.83
0	2.76E-01	0.40
436	1.98E-01	0.89
1	3.29E-01	0.54
0	2.50E-01	1.89
27	9.05E-01	0.98
0	7.91E-01	1.36
0	6.97E-01	0.85
0	2.37E-01	2.47
0	8.11E-01	1.10
55	9.26E-01	0.99
0	5.82E-01	0.67
1	9.80E-01	0.99
13	5.34E-01	0.90
195	7.31E-01	0.97
6	1.96E-01	1.29
280	9.36E-01	0.99
169	9.61E-01	1.00
253	8.87E-01	1.01
0	5.36E-01	0.52
0	5.87E-01	0.60
29	3.02E-01	0.87
422	2.57E-02	0.82
423	1.48E-01	0.88
0	9.42E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.57E-01	0.65
9	5.41E-01	0.91
24	6.74E-01	1.06
182	7.25E-01	0.97
11	9.61E-02	1.34
0	7.35E-01	1.39
0	9.50E-01	1.05
240	1.27E-01	1.15
111	5.43E-01	0.94
11	4.31E-02	1.41
0	6.66E-01	0.64
16	6.69E-01	0.93
453	2.64E-01	0.90
502	8.15E-02	1.17
0	9.47E-01	1.07
0	2.36E-01	2.62
0	6.82E-01	1.29
0	2.43E-01	1.49
1	3.48E-01	0.38
1	6.82E-01	0.63
69	4.16E-02	1.26
449	7.05E-02	0.85
69	4.45E-02	1.26
0	6.10E-01	1.72
0	5.13E-02	0.10
1	6.46E-01	0.78
0	6.27E-01	1.57
0	2.77E-01	0.26
313	2.84E-01	0.91
0	3.26E-01	2.25
327	5.63E-01	1.05
0	9.67E-01	1.03
274	5.56E-01	0.95
2	2.96E-01	0.77
1922	1.00E+00	0.97
0	9.08E-02	2.10
16	6.53E-01	0.93
0	4.34E-01	0.35
0	3.13E-01	0.40
114	1.65E-01	1.15
0	3.46E-01	0.58
0	9.79E-01	0.99
0	8.59E-01	1.29

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.96E-01	0.58
0	7.33E-01	1.45
906	1.39E-01	1.16
0	6.23E-01	1.58
1	9.67E-01	1.02
0	8.21E-01	0.92
189	7.47E-01	0.97
0	4.52E-02	7.41
94	6.56E-01	0.95
0	2.10E-01	4.42
206	7.03E-01	0.96
9	2.03E-01	0.78
0	1.52E-01	4.75
0	4.26E-02	3.18
969	9.87E-02	1.18
1266	2.40E-01	1.15
1	2.93E-01	0.74
0	7.07E-01	0.67
0	2.97E-01	2.99
0	5.32E-01	1.48
372	7.46E-01	1.03
0	6.85E-01	1.24
0	3.48E-01	2.32
1	1.36E-01	2.14
0	1.60E-01	0.64
0	2.25E-01	3.01
0	6.07E-01	1.63
5	2.92E-01	1.22
36	9.31E-01	0.99
294	3.00E-01	0.91
0	4.16E-01	0.50
0	7.74E-01	1.31
0	1.15E-02	5.02
0	6.77E-01	0.62
0	8.87E-01	0.93
0	2.22E-01	0.30
1	8.10E-01	1.09
0	3.77E-01	0.47
0	5.24E-01	1.76
0	5.28E-02	3.22
0	7.80E-01	0.72
0	5.43E-01	1.88
40	4.63E-01	0.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

215	6.80E-01	1.04
0	9.64E-01	0.96
0	1.64E-01	0.15
0	7.94E-01	0.69
0	1.94E-01	4.12
5	8.35E-01	1.04
0	6.79E-01	0.75
0	9.05E-01	0.95
1	2.02E-01	1.58
0	6.14E-01	0.62
0	8.90E-01	0.88
0	8.13E-01	0.89
0	9.06E-01	0.95
0	7.04E-01	1.41
0	6.23E-01	1.68
2	6.86E-01	1.12
0	5.09E-01	2.10
0	1.59E-01	2.86
0	2.08E-01	1.79
1	8.75E-01	1.05
0	3.28E-01	1.48
0	7.84E-01	1.33
321	4.36E-01	0.93
0	5.97E-01	0.47
1122	2.66E-01	0.89
156	1.69E-02	1.27
1	6.03E-01	1.18
1	7.98E-01	1.08
0	3.82E-01	0.43
0	5.80E-01	0.62
0	9.22E-01	1.10
0	4.65E-01	0.66
0	6.09E-01	0.69
0	9.44E-01	0.93
0	7.83E-01	1.49
1	2.77E-01	0.65
0	2.63E-01	0.60
109	7.66E-01	0.97
0	8.82E-01	0.93
0	5.64E-01	2.02
0	3.59E-01	2.17
369	5.02E-01	0.94
0	5.04E-01	0.76

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.62E-01	0.19
0	6.98E-01	0.74
0	5.83E-01	1.85
24	4.54E-01	1.12
0	2.82E-01	1.62
11	9.34E-01	0.99
0	6.73E-01	1.38
456	6.60E-01	1.04
35	9.71E-01	1.00
0	9.16E-01	1.14
0	6.57E-01	0.54
0	6.29E-01	0.81
266	7.43E-01	0.97
227	9.13E-01	0.99
13	9.03E-01	1.02
0	7.34E-01	0.89
1	2.58E-01	1.75
0	2.71E-01	4.18
35	9.33E-01	0.99
0	1.76E-01	2.69
0	9.16E-02	0.07
0	4.62E-01	1.88
0	2.02E-01	2.38
0	6.63E-01	1.58
12	2.86E-01	1.18
0	6.12E-01	1.58
0	9.81E-01	0.98
0	2.98E-02	5.87
0	2.98E-02	5.87
971	4.04E-01	1.09
631	8.03E-01	1.02
0	5.72E-01	1.79
9	7.91E-01	1.05
0	9.34E-01	0.90
0	9.66E-01	0.96
1281	7.55E-01	1.04
25	9.78E-01	1.00
0	4.56E-01	0.38
0	8.30E-01	0.86
1	3.17E-01	0.45
1	6.52E-01	1.28
0	2.36E-01	1.83
0	6.29E-01	0.65

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

55	9.03E-01	1.02
853	7.61E-01	1.03
0	5.58E-01	1.24
0	4.68E-01	0.57
5	4.68E-01	1.14
20	8.30E-01	1.03
572	4.50E-01	1.07
5	5.04E-01	1.13
776	4.10E-01	0.92
0	3.26E-01	0.49
0	3.40E-01	1.52
4	9.69E-01	0.99
0	5.33E-01	0.76
0	7.25E-01	0.76
131	7.11E-01	0.96
1	5.04E-01	1.23
0	3.19E-01	1.36
11	3.50E-01	1.17
0	5.47E-01	0.58
8	3.79E-01	1.17
6	8.57E-01	1.04
0	6.11E-01	0.46
6	7.64E-01	0.94
1	5.45E-01	0.66
6	7.60E-01	0.94
335	4.08E-01	0.93
6	8.11E-01	0.95
1	7.06E-02	0.41
7	7.13E-01	0.93
0	3.88E-01	2.42
0	1.89E-01	4.50
0	9.22E-01	0.93
0	6.48E-01	0.63
412	2.71E-01	0.91
0	7.14E-01	0.77
0	6.57E-01	1.52
0	4.54E-01	0.38
0	8.89E-01	1.05
0	8.63E-01	0.91
0	5.06E-01	2.03
0	5.66E-01	0.53
0	1.70E-01	2.37
1	9.43E-01	0.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.42E-01	0.29
2	8.78E-02	0.49
0	9.79E-01	0.96
0	2.13E-02	10.60
0	7.36E-01	1.39
0	3.07E-01	3.61
0	7.91E-01	0.90
28	3.43E-01	0.87
617	3.36E-01	1.09
0	8.00E-01	1.24
1	8.91E-02	0.46
0	8.77E-01	0.83
617	2.60E-01	1.11
0	9.85E-01	1.01
560	4.88E-01	1.06
0	4.52E-01	0.35
4	1.79E-01	1.41
0	4.49E-01	0.49
1	3.06E-01	1.49
0	7.73E-01	1.17
0	6.35E-01	0.74
106	3.20E-01	0.90
0	2.59E-01	2.61
0	7.77E-01	1.32
0	5.12E-01	1.51
36	6.26E-01	1.07
1	8.10E-01	1.26
80	4.28E-01	1.09
94	5.65E-01	0.94
0	5.71E-01	0.53
0	9.18E-01	0.94
0	4.51E-01	1.55
0	1.03E-02	8.62
651	2.22E-01	0.89
0	1.14E-01	0.23
0	7.83E-01	0.85
0	7.84E-01	0.85
1	8.40E-01	0.93
0	4.25E-01	0.61
0	8.16E-01	1.27
0	3.38E-01	0.76
0	6.97E-01	0.90
260	5.66E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

164	9.93E-01	1.00
0	7.92E-01	0.82
0	2.78E-01	2.79
0	8.61E-01	0.83
0	8.65E-01	1.19
1	4.60E-01	1.69
0	4.91E-01	0.38
743	5.52E-01	0.95
0	7.14E-02	3.15
0	8.15E-01	0.72
0	2.51E-02	6.88
0	6.38E-01	1.32
0	2.89E-01	0.47
0	6.86E-01	0.76
7	2.09E-01	0.75
1	3.04E-01	1.32
33	7.22E-01	0.95
0	1.49E-01	4.06
0	6.66E-01	0.56
0	6.09E-01	1.36
0	1.96E-01	2.94
10	2.91E-01	1.18
0	4.07E-01	2.01
0	8.24E-01	1.26
1737	1.99E-01	0.77
1383	9.42E-01	1.01
0	5.34E-01	1.53
0	1.74E-01	3.54
0	8.19E-01	1.25
12	5.43E-01	1.11
73	8.26E-01	1.03
759	3.27E-01	0.91
0	6.97E-02	9.40
3	2.78E-01	1.30
0	6.55E-01	0.79
0	1.23E-01	3.86
255	2.97E-01	0.91
0	7.08E-01	0.59
0	9.03E-01	0.88
20	4.67E-01	1.11
41	8.48E-01	1.03
0	8.22E-01	0.71
25	1.71E-01	1.21

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.40E-01	0.89
0	9.36E-01	0.90
0	9.36E-01	0.90
0	9.36E-01	0.90
0	9.36E-01	0.90
0	9.38E-01	0.90
42	1.10E-01	1.21
8	1.27E-02	1.59
5	9.40E-01	0.98
0	1.40E-01	4.11
40	8.10E-02	1.24
0	2.97E-01	0.42
0	7.04E-01	0.72
10	6.15E-01	1.09
0	2.24E-01	4.19
1078	9.63E-02	1.19
29	7.17E-01	1.05
0	9.10E-01	1.17
0	1.49E-01	3.32
86	7.87E-01	1.03
0	8.38E-01	0.91
0	8.24E-01	1.26
0	3.03E-01	0.48
1	2.39E-01	0.39
0	5.01E-01	1.29
1	4.52E-01	0.68
0	9.00E-01	0.85
0	8.23E-01	1.33
1	5.36E-01	1.37
0	8.80E-01	0.80
0	8.29E-02	2.29
4	5.21E-01	1.18
0	4.83E-01	0.38
0	9.94E-01	0.99
1	8.17E-01	0.85
2	9.75E-01	1.01
1	9.64E-01	1.01
17	2.04E-01	0.81
3	3.96E-01	0.81
0	2.20E-01	1.42
0	2.16E-01	0.43
4	9.53E-01	1.02
0	4.08E-01	1.28

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	8.95E-01	1.05
1	1.11E-01	2.57
0	7.39E-01	0.80
97	7.00E-01	1.04
23	6.93E-01	0.94
0	7.09E-01	0.67
0	9.55E-02	2.33
2	5.96E-01	1.15
0	1.15E-01	5.35
0	5.44E-01	1.79
0	9.89E-02	6.63
0	1.08E-01	0.11
5	9.79E-01	0.99
0	7.51E-01	1.34
0	7.25E-01	1.86
0	1.37E-01	3.72
32	2.10E-01	0.85
0	9.83E-02	4.11
0	1.10E-01	2.47
0	3.11E-01	0.62
0	4.48E-01	0.54
0	1.63E-01	0.14
467	8.92E-01	0.99
0	3.26E-01	0.44
1	8.85E-01	1.06
0	7.67E-01	1.56
1	7.31E-01	1.11
0	4.83E-01	2.15
0	5.06E-01	0.65
19	2.52E-01	0.84
0	4.05E-01	0.60
0	4.30E-01	2.33
0	7.22E-01	1.12
1539	3.88E-01	0.88
0	3.82E-01	2.95
0	5.79E-01	1.38
0	3.69E-01	0.74
0	9.00E-01	0.88
0	4.77E-01	0.71
1464	9.92E-01	1.00
0	8.15E-01	1.23
1768	9.35E-01	0.98
0	1.88E-01	2.66

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.62E-01	0.53
0	5.51E-01	1.25
0	2.70E-01	0.47
1220	3.97E-01	1.10
0	7.19E-01	1.79
3	9.11E-01	0.97
490	9.40E-01	0.99
1	3.53E-02	2.96
8	7.14E-01	1.07
1104	2.29E-01	1.13
0	8.98E-02	0.32
0	6.74E-01	1.43
4	5.14E-01	0.88
0	5.25E-01	0.51
0	9.90E-01	1.02
0	2.51E-01	0.24
458	8.68E-01	0.99
0	5.22E-01	1.96
0	8.87E-01	0.86
0	7.87E-01	1.36
733	8.43E-01	0.98
177	9.35E-01	0.99
23	8.27E-01	0.97
728	7.65E-01	0.97
0	7.33E-01	1.56
0	5.44E-01	0.44
0	9.10E-01	0.86
0	7.83E-01	1.31
0	8.15E-01	1.29
0	5.39E-02	2.22
0	7.96E-01	1.32
0	3.15E-01	1.35
0	8.04E-01	1.08
0	7.72E-01	1.29
0	9.53E-01	1.03
1	2.08E-01	0.38
0	6.28E-02	4.70
0	3.57E-01	0.47
0	3.57E-01	0.47
0	3.57E-01	0.47
0	3.57E-01	0.47
0	4.25E-01	1.64
0	4.25E-01	1.64

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

114	1.73E-01	0.87
78	3.65E-01	1.11
0	1.11E-01	3.25
0	5.13E-01	1.60
0	1.60E-01	3.84
1	6.25E-01	0.81
0	4.64E-01	2.42
0	4.11E-01	1.72
1088	5.51E-01	0.94
0	6.91E-01	0.65
0	8.91E-01	1.13
0	2.17E-02	0.09
0	6.83E-01	1.95
0	1.07E-01	1.74
25	6.44E-01	0.94
0	5.92E-01	2.44
0	7.09E-01	1.20
0	8.80E-01	0.80
176	9.18E-01	1.01
10	6.30E-01	0.92
0	4.80E-01	1.27
0	9.82E-01	1.03
2	3.15E-01	0.69
0	6.93E-01	1.14
0	6.10E-01	1.36
47	9.02E-01	1.02
1	1.54E-01	1.58
26	9.00E-01	0.98
775	8.52E-01	1.02
0	3.79E-01	2.61
0	8.42E-01	0.74
0	1.97E-01	1.75
0	7.98E-02	0.11
1	7.34E-01	0.90
0	4.27E-01	1.72
0	3.39E-01	0.57
0	1.45E-01	2.50
0	8.88E-01	1.25
5	6.92E-01	1.08
0	8.79E-01	0.83
331	1.32E-01	0.87
0	9.02E-01	0.92
333	1.00E-01	0.86

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

4	7.65E-02	0.67
0	7.49E-01	0.76
0	3.01E-01	0.55
0	1.88E-01	3.17
0	2.79E-01	0.37
0	5.19E-01	1.47
0	4.69E-01	2.17
0	9.03E-01	0.91
0	7.47E-01	0.70
0	9.69E-01	1.01
0	7.97E-01	1.51
0	1.81E-01	2.76
0	2.73E-01	3.43
0	7.95E-01	0.91
0	2.14E-01	1.73
1	8.09E-02	0.55
0	9.32E-02	0.20
392	7.03E-01	1.03
0	4.87E-01	0.70
0	6.54E-01	0.78
0	4.27E-02	0.24
0	5.87E-01	1.47
6	7.47E-01	1.08
1	3.34E-01	0.78
0	7.98E-01	0.91
0	1.54E-01	1.68
19	4.35E-01	0.89
90	7.84E-01	0.97
1	8.82E-01	1.08
39	7.12E-01	1.05
0	3.07E-01	1.85
0	8.49E-01	0.90
0	7.80E-01	1.33
0	5.18E-04	14.44
198	9.50E-01	0.99
0	4.06E-01	2.00
68	5.64E-01	0.93
0	2.27E-01	1.58
0	8.94E-01	1.23
1	3.89E-01	0.76
0	7.97E-02	5.66
0	5.70E-01	0.78
0	8.22E-01	0.77

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	4.20E-01	0.83
180	1.80E-01	0.88
1	6.20E-01	0.68
0	9.88E-01	0.99
537	9.79E-01	1.00
1	6.09E-01	1.20
28	8.27E-01	0.97
1922	1.00E+00	0.97
9	9.23E-01	1.02
35	3.36E-01	0.88
125	6.51E-01	0.95
3	9.94E-01	1.00
2	4.13E-01	0.83
0	5.22E-01	1.92
0	4.97E-01	1.99
244	9.34E-01	0.99
0	2.85E-01	2.51
322	5.35E-01	1.06
323	6.69E-01	1.04
2	6.51E-01	1.11
0	7.31E-01	0.77
0	2.77E-01	0.24
0	3.11E-01	2.84
0	8.54E-01	1.20
0	7.57E-01	1.35
0	8.44E-01	0.80
0	4.26E-01	1.95
37	4.08E-01	0.89
5	6.75E-02	1.47
1	2.23E-01	1.66
169	7.67E-01	1.03
18	4.97E-01	0.90
0	7.36E-01	0.91
0	6.32E-01	0.67
0	2.37E-01	1.79
0	4.46E-01	1.61
0	3.50E-01	2.11
0	1.98E-01	0.21
0	4.23E-01	0.42
0	6.81E-01	0.67
9	7.00E-01	1.07
0	8.61E-01	1.12
0	7.85E-01	0.75

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	3.34E-01	1.23
0	2.74E-02	0.24
1013	7.99E-01	1.03
388	5.57E-01	0.95
0	8.18E-01	1.27
174	1.53E-01	1.15
166	1.62E-01	1.15
0	7.70E-01	0.66
0	5.15E-01	1.50
0	5.50E-01	1.38
0	7.85E-01	1.28
0	6.89E-01	1.91
0	3.52E-01	2.45
0	8.77E-01	0.80
0	5.12E-01	1.95
0	9.76E-01	1.03
0	5.86E-01	1.64
1	4.54E-01	0.74
1	4.61E-01	0.72
0	9.15E-01	1.18
0	4.25E-01	0.41
0	9.29E-01	1.05
211	6.88E-01	1.04
0	1.17E-01	2.59
0	8.95E-01	0.94
0	4.35E-01	0.65
0	1.88E-01	0.13
0	5.64E-01	0.59
0	5.87E-02	3.70
0	7.62E-01	0.82
0	9.48E-01	1.04
0	7.13E-02	4.61
211	8.49E-01	1.02
0	5.40E-02	3.61
0	7.96E-01	0.76
0	4.59E-01	0.68
0	2.79E-01	3.75
0	3.74E-01	2.47
0	3.15E-01	0.26
0	8.19E-02	0.32
35	1.31E-01	1.22
0	5.59E-01	0.61
0	1.39E-01	0.30

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.43E-01	3.83
327	4.62E-01	0.93
0	9.61E-01	1.04
0	5.27E-01	1.39
0	5.87E-02	3.70
1077	7.06E-01	1.04
0	1.88E-01	0.13
0	9.41E-01	1.06
2	1.31E-01	0.61
0	2.16E-01	2.83
0	5.87E-01	1.35
0	5.87E-01	1.40
0	1.90E-01	1.55
0	1.20E-01	2.27
0	4.37E-01	2.09
0	6.76E-01	1.27
0	5.18E-01	0.43
0	3.38E-01	0.28
0	6.68E-01	1.40
0	4.68E-01	0.75
190	7.66E-01	1.03
0	5.25E-01	1.38
865	6.31E-01	1.05
120	6.50E-01	0.95
191	6.86E-01	1.04
0	2.18E-01	2.60
0	8.79E-01	1.12
0	2.41E-01	1.60
0	6.43E-01	1.49
0	1.17E-01	2.63
644	4.18E-01	1.08
0	3.58E-01	0.69
0	5.57E-01	1.34
0	7.64E-01	1.35
0	9.94E-01	1.00
0	5.61E-01	1.19
0	4.59E-01	1.33
1885	5.92E-01	0.80
0	4.25E-01	1.98
1274	2.31E-01	0.87
0	6.48E-02	0.07
0	2.06E-02	2.68
0	1.51E-01	3.74

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.17E-01	1.43
0	7.24E-01	1.44
0	1.08E-01	1.92
1	8.64E-01	1.09
0	9.50E-01	1.06
0	9.53E-01	0.97
0	3.82E-01	0.64
1	8.01E-01	0.91
0	7.89E-01	0.87
890	5.71E-01	1.06
1	5.17E-01	1.40
1814	5.35E-01	0.85
0	2.12E-01	0.68
277	9.03E-01	1.01
277	8.64E-01	1.02
0	1.21E-01	2.39
670	5.85E-01	1.05
0	9.76E-02	7.11
0	4.85E-01	1.71
0	9.77E-01	1.03
0	1.66E-01	4.78
0	1.54E-01	3.34
0	8.99E-02	3.47
0	8.20E-01	1.19
0	6.82E-01	0.75
28	5.57E-01	0.92
0	5.59E-01	1.60
0	9.03E-01	1.04
0	1.14E-01	5.87
97	9.97E-01	1.00
0	5.82E-01	0.59
2	8.84E-01	1.05
0	6.33E-01	0.73
1157	6.19E-01	1.05
0	8.69E-01	1.19
416	1.11E-02	1.26
0	3.27E-01	1.81
0	3.06E-01	2.21
0	2.58E-01	0.37
1922	1.00E+00	0.97
0	7.04E-01	0.58
0	8.56E-01	1.28
0	3.26E-01	3.80

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

12	1.73E-01	1.24
158	3.85E-01	0.92
0	8.31E-01	1.20
0	1.59E-01	2.12
0	7.36E-01	0.71
0	6.80E-01	0.62
0	8.97E-02	5.44
0	4.25E-01	1.56
0	3.93E-01	1.88
0	6.78E-01	0.65
0	5.42E-01	1.76
1	3.22E-01	1.45
0	3.86E-01	0.36
0	3.55E-01	3.90
0	8.43E-01	1.11
0	9.18E-01	0.95
0	4.32E-02	0.17
0	8.43E-01	0.74
0	8.58E-01	1.28
0	8.27E-01	1.43
0	5.78E-01	1.50
0	6.72E-01	0.68
0	7.01E-01	1.42
0	9.16E-01	0.87
0	4.58E-01	0.49
0	4.45E-02	7.33
0	2.44E-01	1.52
45	5.78E-01	0.93
0	4.28E-01	0.66
0	5.07E-02	2.90
0	8.78E-01	0.84
39	4.24E-01	1.11
0	6.15E-01	1.52
134	9.05E-01	0.99
1	1.18E-01	0.46
0	5.63E-01	2.67
0	7.20E-01	1.65
0	2.22E-01	2.11
0	3.55E-01	2.80
0	9.29E-01	1.15
0	6.07E-01	0.48
0	2.43E-01	0.23
0	6.80E-01	1.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.68E-01	6.54
0	5.84E-02	3.95
0	5.84E-02	3.95
0	8.15E-01	0.83
0	2.58E-01	0.37
0	6.25E-01	0.84
0	9.88E-01	0.98
0	7.04E-01	0.85
0	1.08E-02	0.18
0	2.12E-01	2.76
0	1.87E-01	0.66
0	7.36E-01	1.76
0	3.16E-01	1.90
0	4.98E-01	0.50
190	5.83E-01	0.95
0	3.15E-01	0.73
0	1.69E-01	2.20
0	5.18E-01	0.75
0	1.95E-01	4.01
1	1.32E-01	0.63
0	8.24E-01	1.10
471	8.38E-01	0.98
1804	9.10E-01	0.97
0	8.24E-01	0.89
0	3.66E-01	0.28
0	6.77E-04	2.67
0	5.01E-01	0.54
0	3.83E-01	1.97
0	4.50E-01	2.21
0	1.26E-01	4.84
0	3.66E-01	0.28
0	6.73E-01	2.02
0	3.66E-01	0.28
0	3.38E-01	0.71
0	1.42E-01	1.73
0	3.93E-01	2.10
0	4.07E-01	0.57
44	1.02E-01	0.82
19	2.02E-01	1.19
18	4.42E-01	1.12
205	4.31E-01	1.08
18	4.30E-01	1.12
18	4.30E-01	1.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.90E-01	0.81
0	5.33E-01	1.92
0	4.48E-01	0.41
0	2.77E-02	3.20
0	6.66E-02	0.10
19	4.47E-01	1.12
0	8.90E-01	0.81
0	3.62E-01	0.64
0	8.43E-01	0.89
27	9.01E-01	1.02
0	1.74E-01	2.15
0	7.16E-01	0.81
0	5.65E-02	4.63
0	7.15E-01	1.44
1477	3.94E-01	1.13
0	1.85E-01	2.69
0	8.86E-01	0.83
417	6.17E-01	1.05
0	1.70E-01	2.49
0	2.19E-01	2.78
61	2.00E-02	0.75
12	5.46E-01	0.89
0	6.07E-01	0.48
0	3.17E-01	0.49
0	5.03E-01	1.94
0	5.04E-01	1.94
0	4.93E-01	0.45
0	8.05E-01	1.09
0	9.05E-02	0.22
0	8.38E-02	0.12
0	1.39E-01	2.71
1	4.81E-01	1.23
52	9.84E-01	1.00
0	2.25E-01	0.37
14	2.57E-02	1.43
5	4.46E-01	0.87
0	2.99E-01	3.05
0	2.67E-02	6.26
4	5.98E-02	1.54
4	1.63E-01	1.38
1	6.04E-01	0.87
0	3.45E-01	2.15
0	3.52E-01	0.55

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.32E-01	0.38
0	1.08E-01	2.14
94	7.46E-01	1.04
613	9.51E-01	0.99
0	1.22E-02	13.83
1856	2.11E-01	0.68
16	2.52E-01	1.18
0	8.56E-01	1.14
0	2.23E-01	5.24
0	4.74E-01	0.35
0	6.38E-01	1.75
893	9.08E-02	1.18
0	1.55E-01	0.28
998	6.57E-02	1.21
0	9.93E-01	1.01
0	5.82E-01	0.45
0	7.96E-01	0.69
5	5.16E-01	1.16
0	8.49E-01	1.08
0	3.03E-01	2.24
0	4.92E-01	0.59
0	5.42E-01	1.27
1	2.68E-01	1.41
384	9.04E-01	0.99
9	1.32E-01	0.74
1	7.49E-01	1.09
0	3.27E-01	1.44
1801	7.29E-01	0.92
0	2.65E-01	4.04
567	2.12E-01	0.89
52	8.29E-02	1.22
0	1.80E-01	0.21
529	9.12E-01	0.99
3	1.41E-01	1.40
0	5.95E-01	1.30
863	8.34E-01	1.02
0	7.93E-01	1.11
0	7.93E-01	1.11
47	4.62E-01	1.09
0	1.87E-01	3.96
0	6.51E-01	1.52
0	6.78E-01	1.26
7	5.81E-01	0.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	6.20E-02	0.54
4	3.73E-01	0.79
0	6.65E-01	0.87
713	1.94E-01	0.88
711	1.94E-01	0.88
0	7.83E-01	0.66
0	9.12E-01	0.90
85	1.24E-02	0.74
5	1.84E-01	1.29
1	7.53E-01	1.10
0	4.49E-01	1.20
40	3.52E-01	1.12
0	5.08E-01	0.39
0	2.16E-01	2.30
74	7.02E-01	0.96
0	2.59E-01	0.19
0	8.32E-01	1.26
0	6.55E-01	0.52
35	5.97E-01	1.07
0	2.86E-01	1.97
0	6.91E-01	1.28
0	2.57E-01	3.73
2	6.72E-01	0.89
52	8.56E-01	1.02
2	8.75E-01	0.96
7	8.82E-01	0.97
1233	2.29E-02	1.30
0	2.72E-02	2.07
325	9.30E-01	1.01
0	4.80E-01	2.36
0	3.74E-01	2.04
0	4.01E-01	1.20
0	8.46E-01	1.19
0	3.68E-01	1.21
0	6.94E-01	0.81
1	6.06E-01	1.23
0	9.84E-01	0.98
0	3.86E-01	1.21
0	8.75E-01	1.08
0	6.23E-01	0.65
0	9.17E-01	0.91
0	6.29E-01	0.64
0	5.93E-01	2.44

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

57	6.85E-01	0.95
0	9.46E-01	0.91
0	9.16E-01	0.90
1	9.62E-01	0.98
0	9.15E-01	0.90
0	3.24E-02	2.00
0	7.07E-01	1.26
69	2.42E-01	1.14
0	7.38E-01	1.22
74	3.70E-01	0.90
1	2.30E-01	0.60
1233	1.57E-01	0.86
0	2.87E-01	3.10
7	2.33E-01	0.79
0	8.73E-03	4.70
0	3.55E-01	0.78
0	8.74E-01	0.91
0	1.23E-01	0.40
0	7.06E-01	0.75
0	5.51E-01	1.75
1	8.98E-02	2.34
1	9.00E-02	0.50
0	8.18E-01	0.92
8	2.89E-01	0.82
8	3.38E-01	0.83
0	3.37E-02	2.49
0	9.18E-01	0.86
10	5.73E-01	0.89
0	3.20E-01	1.74
2	7.58E-01	1.12
0	1.32E-01	0.10
1	4.38E-01	1.40
0	8.25E-01	1.42
4	5.27E-01	1.14
0	3.63E-01	0.32
0	9.52E-01	1.09
0	6.36E-01	1.68
2	9.91E-01	1.00
0	8.27E-01	1.65
0	7.22E-01	1.19
111	1.89E-01	1.15
13	5.57E-02	1.32
0	9.71E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.09E-01	1.36
11	3.01E-01	0.84
4	6.70E-02	0.66
0	4.20E-01	2.04
1	5.50E-01	0.85
1648	1.73E-01	1.28
0	5.69E-01	0.56
0	6.47E-01	1.35
39	3.36E-01	1.13
73	4.30E-01	1.09
0	8.54E-01	0.74
36	4.56E-01	1.10
0	1.10E-01	2.67
0	5.04E-01	1.97
0	8.88E-01	1.25
1	2.16E-01	0.49
0	7.97E-01	0.79
0	8.70E-01	1.24
0	6.26E-02	8.61
0	6.15E-01	0.58
1	2.33E-01	0.70
0	2.82E-01	2.48
1	6.28E-01	0.73
0	9.01E-01	1.07
0	3.80E-01	2.42
0	1.19E-01	0.29
0	7.55E-01	0.69
0	3.07E-01	1.56
117	4.21E-02	0.80
0	3.36E-01	2.22
843	5.73E-01	0.95
0	3.67E-01	1.56
0	2.91E-01	0.45
0	8.08E-01	0.84
3	8.46E-01	1.05
0	6.44E-02	4.69
1	1.22E-01	0.46
458	6.69E-01	1.04
1	8.62E-01	1.12
0	5.52E-01	0.51
371	8.69E-01	1.02
443	7.55E-01	1.03
0	4.46E-01	0.67

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

5	7.58E-01	1.07
369	7.86E-01	1.03
377	1.09E-01	0.86
0	5.97E-01	1.41
395	3.31E-01	0.91
0	5.85E-02	6.59
0	5.90E-01	0.66
0	8.40E-01	1.23
0	1.59E-01	3.98
0	7.03E-01	0.64
0	5.49E-01	1.30
0	7.83E-01	1.39
0	2.05E-01	2.30
0	9.36E-01	0.96
0	6.77E-01	0.72
1	7.54E-01	1.11
20	9.48E-02	0.78
1	7.93E-01	1.09
1	7.93E-01	1.09
0	7.58E-01	0.76
0	2.99E-01	0.26
0	8.75E-01	1.10
1	8.12E-01	1.11
0	5.50E-02	1.94
0	7.65E-01	0.65
115	1.04E-01	0.84
2	5.56E-01	0.87
347	5.04E-01	0.94
327	5.03E-01	0.94
327	4.92E-01	0.94
0	8.96E-01	0.82
29	9.55E-01	0.99
0	4.06E-01	0.32
0	4.41E-02	1.65
553	2.53E-01	1.11
62	3.06E-02	0.77
0	4.63E-01	2.08
340	1.84E-01	1.13
140	5.09E-01	0.94
61	8.89E-01	1.02
73	7.44E-01	0.96
0	4.60E-02	1.82
0	8.37E-01	1.25

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1911	3.23E-01	3.42
0	9.15E-01	1.08
52	6.46E-01	1.06
84	6.45E-01	0.95
0	1.14E-01	6.74
0	2.15E-01	0.23
0	4.01E-01	1.75
0	4.00E-02	3.98
16	1.73E-01	1.25
62	3.82E-01	1.11
0	5.84E-01	1.26
32	1.48E-01	0.82
39	1.13E-01	1.23
93	2.67E-01	1.13
152	7.82E-01	1.03
150	7.95E-01	1.03
527	3.31E-01	1.09
150	8.09E-01	1.02
150	8.46E-01	1.02
0	4.28E-01	1.42
150	8.03E-01	1.03
26	6.54E-01	1.07
150	8.03E-01	1.03
22	3.76E-01	1.15
12	3.22E-01	1.19
0	8.83E-01	0.81
145	5.30E-01	1.06
795	4.52E-01	0.93
0	6.31E-01	1.19
1053	2.46E-01	0.89
0	6.74E-01	1.50
1668	9.86E-01	1.00
0	3.43E-01	2.05
80	4.27E-01	1.09
3	9.71E-02	1.37
80	4.41E-01	1.09
135	2.94E-01	1.11
15	8.14E-01	1.04
0	9.58E-01	0.96
176	2.41E-01	1.12
135	2.80E-01	1.12
15	8.62E-01	1.03
76	3.60E-01	1.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

73	5.98E-01	1.06
72	5.84E-01	1.06
72	5.84E-01	1.06
72	5.47E-01	1.07
72	5.65E-01	1.07
0	3.60E-01	2.68
0	5.51E-01	0.63
10	2.25E-01	0.79
67	3.41E-01	1.11
481	9.65E-01	1.00
480	9.78E-01	1.00
0	1.24E-01	0.17
485	9.21E-01	0.99
0	9.29E-02	0.07
0	9.98E-01	1.00
0	6.04E-01	1.68
0	9.30E-01	0.96
0	2.95E-01	0.36
0	6.10E-01	1.59
186	1.09E-01	0.85
0	4.88E-01	0.50
217	1.53E-01	0.87
556	6.97E-01	0.97
69	3.52E-01	1.11
0	3.42E-01	2.45
92	4.74E-01	1.08
0	2.45E-01	0.44
0	9.13E-01	1.13
1906	9.43E-02	0.41
1555	7.66E-01	1.05
1922	1.00E+00	0.97
0	9.71E-01	0.95
0	3.07E-01	1.89
784	6.41E-01	0.96
0	4.15E-01	1.68
0	7.25E-01	1.68
0	4.13E-01	1.64
0	2.80E-01	0.23
1488	7.48E-01	1.05
1	4.97E-01	0.78
1	5.08E-01	0.79
112	5.47E-01	0.94
300	2.80E-02	1.22

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1251	1.02E-01	1.21
0	5.32E-01	0.77
3	1.20E-01	0.71
210	9.02E-01	1.01
0	9.66E-01	0.98
5	8.75E-01	0.96
0	7.79E-01	0.75
1123	2.28E-01	1.14
1123	2.28E-01	1.14
0	3.32E-01	1.52
0	7.18E-01	0.72
0	1.86E-02	12.11
0	2.08E-01	2.54
14	2.51E-01	0.83
0	8.05E-01	0.82
1	1.63E-01	0.64
76	6.38E-01	1.06
9	8.88E-01	0.98
3	1.82E-01	1.31
0	6.79E-01	1.58
0	3.80E-02	0.08
0	3.07E-01	3.03
0	4.13E-01	0.69
0	4.91E-01	2.05
0	3.69E-01	0.50
0	5.39E-01	0.45
0	6.37E-01	0.53
0	2.15E-01	0.31
0	9.64E-01	0.97
1	5.91E-01	0.77
0	4.86E-01	2.04
548	6.78E-01	1.04
0	6.97E-01	0.60
0	1.37E-01	0.10
139	1.44E-01	1.16
0	2.37E-01	2.37
0	1.67E-01	4.86
553	3.88E-01	1.08
0	6.51E-01	1.39
0	7.34E-01	0.85
0	2.98E-02	7.18
0	2.00E-01	0.20
0	9.23E-01	1.16

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.27E-01	2.75
0	1.26E-01	2.75
0	5.85E-01	1.40
0	6.70E-01	1.59
0	1.24E-01	0.25
0	9.12E-02	2.80
0	8.66E-01	0.88
1	2.92E-01	1.35
0	5.55E-01	1.76
1	6.69E-02	2.21
0	8.05E-01	0.76
0	9.97E-01	1.00
0	8.52E-01	0.81
1	3.90E-01	0.50
15	1.57E-02	1.44
0	8.94E-01	0.95
0	9.89E-01	1.01
1922	1.00E+00	0.97
2	2.57E-01	1.41
0	5.05E-01	0.51
0	3.79E-01	0.67
1	4.34E-01	0.77
0	7.67E-01	0.80
0	3.16E-01	0.58
1	8.67E-01	1.05
198	2.18E-01	1.12
0	2.98E-02	8.37
0	7.33E-02	4.24
17	1.42E-01	1.26
0	7.25E-01	1.52
13	4.85E-02	0.69
0	1.85E-01	2.43
0	6.69E-01	0.60
211	1.95E-01	1.13
0	8.09E-01	0.71
0	2.98E-02	8.37
0	1.62E-01	4.85
0	8.99E-01	0.95
0	4.07E-01	2.39
0	3.79E-01	1.50
0	3.50E-01	2.51
19	8.46E-01	1.03
16	9.76E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	4.61E-01	0.66
1	2.24E-01	0.69
67	8.34E-01	1.03
0	8.56E-01	1.06
1	7.30E-01	1.13
2	5.76E-01	0.83
866	8.81E-01	0.99
1922	1.00E+00	0.97
0	9.74E-01	0.96
0	8.64E-01	0.86
1049	8.45E-01	0.98
212	8.61E-01	0.98
0	1.75E-01	2.24
0	9.21E-01	0.94
0	8.60E-01	1.14
1480	2.85E-01	0.87
0	7.93E-01	1.55
0	4.30E-01	0.72
0	3.98E-01	0.50
0	4.58E-01	1.65
0	4.40E-02	0.30
0	1.71E-01	0.25
0	6.12E-01	0.53
0	5.47E-01	0.45
0	3.33E-02	2.79
0	2.11E-01	3.92
1	6.85E-01	0.88
0	2.86E-01	0.67
3	6.52E-01	1.11
0	5.77E-01	1.26
302	6.27E-01	1.05
0	5.85E-01	1.63
0	1.88E-01	0.20
255	5.96E-01	0.95
0	7.71E-01	0.80
0	1.01E-01	0.50
0	4.14E-01	1.61
0	6.91E-01	1.52
0	5.91E-01	0.57
0	7.50E-01	0.88
0	3.81E-01	0.30
0	1.12E-02	15.41
0	2.71E-01	3.32

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.70E-01	1.37
61	1.55E-01	0.84
0	9.44E-01	0.97
0	9.28E-01	0.88
0	6.81E-01	0.54
0	5.99E-01	1.23
0	9.27E-01	0.94
245	3.60E-01	0.92
2	2.98E-01	1.38
0	4.99E-01	0.39
0	1.55E-01	4.92
2	3.24E-01	0.71
0	5.28E-01	1.73
0	1.19E-01	1.98
0	7.10E-02	0.06
0	8.31E-02	2.82
16	1.36E-01	0.76
0	9.83E-01	0.98
0	4.32E-01	1.86
0	1.26E-01	0.14
0	3.00E-01	0.26
0	4.63E-01	1.65
8	5.10E-01	0.90
0	9.51E-01	0.94
0	9.87E-01	1.02
0	7.13E-01	1.82
1	5.70E-01	0.85
218	4.43E-01	1.08
51	8.17E-01	0.97
0	5.96E-01	0.63
0	1.30E-01	4.94
1	1.05E-01	0.54
0	5.05E-01	0.53
2	7.68E-01	1.14
586	8.36E-01	0.98
0	9.48E-01	1.03
9	5.06E-01	0.88
748	5.76E-01	0.95
0	5.47E-01	0.78
12	8.59E-02	0.72
0	5.46E-01	0.65
0	1.95E-01	0.29
0	7.07E-01	0.83

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.32E-01	1.19
0	7.12E-01	1.53
0	5.79E-01	0.79
1	2.95E-01	0.72
1850	2.34E-01	0.70
0	1.27E-01	0.19
0	2.20E-01	0.30
0	3.92E-01	2.08
49	5.68E-01	0.93
6	9.53E-01	1.01
720	7.14E-01	1.03
1922	1.00E+00	0.97
89	3.30E-01	0.90
0	8.87E-01	1.18
869	4.10E-01	1.08
0	3.43E-01	0.29
0	8.70E-01	1.12
0	9.23E-01	1.18
3	5.11E-01	1.17
0	8.66E-01	1.20
129	2.38E-01	1.13
0	1.04E-01	0.08
5	5.29E-01	1.16
3	9.40E-01	0.98
156	1.09E-01	1.17
38	6.41E-01	1.06
0	4.76E-01	0.68
4	6.31E-01	1.12
0	1.66E-01	2.43
182	2.10E-01	1.13
536	8.71E-01	0.99
1	7.84E-01	1.13
0	5.63E-01	0.44
4	9.22E-01	1.02
612	2.72E-01	1.10
0	2.28E-01	0.54
18	2.42E-01	1.19
1	8.82E-01	1.06
5	9.43E-01	1.02
4	1.59E-01	0.74
0	7.16E-01	1.45
0	7.33E-01	1.39
0	2.64E-01	2.39

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.00E-01	0.25
0	9.98E-01	1.00
1	7.23E-01	1.30
0	2.11E-01	0.16
0	4.26E-01	1.52
0	3.14E-01	2.61
0	4.92E-01	2.09
12	8.46E-02	1.36
0	5.41E-01	1.51
0	5.34E-01	1.61
1	3.32E-02	0.15
0	2.61E-01	3.32
2	3.17E-01	1.42
0	6.25E-01	0.67
0	3.08E-01	3.24
0	1.25E-01	5.79
0	3.94E-01	1.74
0	1.76E-01	1.66
1	4.68E-01	0.68
0	8.69E-01	0.94
0	6.82E-02	6.27
318	2.86E-01	1.10
0	8.69E-01	0.94
0	8.69E-01	0.94
1538	6.56E-01	1.07
450	6.28E-01	0.96
0	3.22E-01	2.58
151	7.79E-01	0.97
0	7.95E-01	0.68
0	3.83E-01	0.31
1	7.33E-01	1.24
0	8.71E-01	0.79
751	3.13E-01	1.10
753	3.53E-01	1.09
2	8.89E-01	0.96
0	6.31E-01	1.59
0	5.25E-01	0.60
58	4.92E-01	0.92
1012	3.18E-01	1.10
0	2.66E-02	8.28
7	3.09E-02	0.57
568	1.73E-01	1.13
0	9.20E-01	0.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

4	3.40E-01	0.81
0	8.03E-01	0.83
0	1.76E-01	4.51
446	5.53E-01	1.05
0	2.24E-01	0.24
1	9.98E-01	1.00
272	7.60E-02	0.85
3	7.41E-01	1.11
162	3.47E-01	0.91
1061	3.80E-01	1.09
0	8.53E-01	0.86
1	4.21E-01	0.72
0	6.87E-01	1.52
0	1.18E-02	5.90
0	5.61E-01	1.39
0	4.74E-01	1.79
0	9.23E-01	1.09
0	6.05E-01	2.87
0	7.82E-01	0.86
5	1.35E-01	1.33
0	6.74E-01	0.55
0	3.05E-01	2.12
0	6.63E-01	1.59
0	6.38E-02	0.10
0	6.45E-02	0.10
1	2.36E-01	1.56
0	4.52E-01	0.46
2	7.50E-02	1.60
0	2.70E-01	2.24
0	1.76E-01	0.46
0	8.26E-01	1.41
0	1.66E-01	3.58
0	9.22E-01	1.16
0	5.82E-01	1.21
8	5.94E-01	0.91
0	2.01E-01	0.30
1341	6.76E-01	1.05
1375	5.06E-01	1.09
2	8.86E-01	1.07
156	1.18E-02	0.76
972	4.52E-02	1.22
0	9.27E-01	0.92
0	7.95E-01	1.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.02E-01	0.67
0	4.48E-01	1.82
0	6.66E-01	1.32
31	3.52E-01	0.89
0	1.36E-01	2.94
0	8.46E-01	0.75
0	5.48E-01	0.51
0	7.72E-01	1.41
40	2.02E-01	0.84
26	9.75E-02	1.26
1	7.78E-01	0.92
0	6.31E-01	2.21
0	3.01E-02	2.12
0	6.44E-02	4.29
406	7.56E-01	1.03
67	5.55E-01	1.07
18	2.90E-01	1.17
0	2.47E-02	6.59
81	8.14E-01	1.03
0	8.40E-01	0.85
102	6.00E-01	1.06
28	9.59E-01	1.01
33	5.07E-01	1.09
0	9.59E-01	1.02
2	4.12E-01	0.81
0	7.59E-01	0.77
0	8.49E-01	0.89
0	7.91E-01	1.54
0	9.87E-01	1.01
0	2.42E-01	1.93
0	1.20E-01	4.09
0	4.55E-01	2.08
2	3.54E-01	0.78
0	6.68E-01	1.40
0	9.27E-01	0.87
0	9.17E-01	0.92
0	6.97E-01	0.55
0	6.97E-01	0.55
0	7.94E-01	1.51
1	4.29E-01	0.75
0	7.42E-01	0.88
0	2.29E-01	3.05
11	6.76E-01	1.07

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

4	7.30E-01	1.08
186	8.83E-01	0.99
0	6.86E-01	0.76
7	8.70E-01	1.03
0	7.19E-01	1.43
9	7.58E-01	1.06
0	6.83E-01	1.55
0	8.64E-01	1.21
10	7.82E-01	1.05
37	6.29E-01	1.07
0	9.49E-01	0.93
5	2.33E-01	1.25
4	6.84E-01	1.09
0	1.45E-01	0.64
0	3.30E-01	0.50
25	5.03E-01	1.09
249	7.36E-01	1.03
0	2.41E-01	0.23
2	5.41E-01	0.83
96	9.77E-01	1.00
1916	7.58E-01	1.56
0	2.34E-02	2.99
0	7.28E-01	0.69
274	7.10E-01	1.03
76	1.79E-01	1.16
273	8.82E-01	1.01
0	8.24E-01	1.22
26	2.00E-01	1.19
0	4.78E-01	1.88
90	8.65E-01	0.98
1200	1.89E-01	1.16
1	5.34E-01	0.72
750	7.55E-01	0.97
75	1.81E-01	0.86
0	4.12E-01	2.04
0	3.78E-01	0.48
5	5.39E-01	1.14
0	4.67E-01	0.60
0	4.84E-01	0.69
0	2.11E-01	2.25
0	1.27E-01	3.75
0	5.04E-02	7.82
1	5.46E-01	0.73

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.89E-01	2.20
0	1.32E-01	0.41
0	7.64E-01	1.18
0	3.79E-01	1.52
0	3.39E-01	2.69
0	3.39E-01	2.69
0	3.68E-01	2.39
0	3.09E-01	0.26
0	1.10E-01	0.09
0	8.68E-01	0.90
0	9.43E-01	0.96
0	4.01E-01	0.32
0	6.65E-01	1.56
0	7.70E-01	1.61
383	9.48E-01	1.01
0	7.04E-01	1.54
1	8.07E-01	0.86
8	9.67E-01	0.99
0	5.92E-01	1.75
0	5.05E-01	2.18
1	5.28E-01	0.82
0	1.12E-01	3.97
0	6.84E-01	1.53
0	5.08E-01	1.72
0	7.51E-01	0.73
0	9.74E-01	0.95
1901	4.97E-01	1.53
1	4.70E-01	1.20
0	8.91E-01	1.24
2	6.54E-01	1.18
6	1.95E-01	1.27
0	5.01E-01	0.46
39	2.38E-01	0.86
28	4.18E-01	1.12
35	9.21E-01	1.01
33	8.66E-01	0.98
663	8.23E-01	0.98
0	8.54E-01	0.77
0	4.13E-01	2.07
0	7.93E-01	1.18
0	5.99E-01	1.37
0	2.96E-01	2.40
0	6.44E-01	0.76

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.22E-01	1.71
0	7.38E-01	1.44
1	8.04E-01	1.27
0	9.15E-01	1.17
0	5.20E-01	0.52
0	2.73E-01	3.17
0	8.57E-01	1.10
0	8.79E-01	0.87
0	4.60E-01	2.22
1860	1.99E-01	1.58
0	4.53E-02	6.68
302	2.42E-01	0.90
0	2.73E-01	4.74
0	7.59E-01	0.65
1	2.84E-01	0.64
0	9.34E-01	1.09
0	4.80E-01	0.74
0	3.20E-01	2.34
0	7.61E-01	1.33
0	8.11E-01	0.81
0	8.02E-01	0.71
0	4.95E-01	1.49
0	5.89E-01	0.73
2	2.37E-01	1.42
3	3.11E-01	1.33
124	5.12E-02	1.22
1922	1.00E+00	0.97
0	2.62E-01	3.05
0	5.46E-02	0.09
0	2.63E-01	2.70
0	7.94E-01	1.29
0	4.93E-02	2.85
0	3.07E-01	2.37
0	5.37E-01	1.41
0	7.06E-01	0.58
0	2.85E-01	1.66
0	2.46E-01	0.32
0	9.30E-01	1.03
0	9.55E-01	1.04
0	9.23E-01	1.16
0	8.62E-01	0.89
0	2.71E-01	0.66
0	6.06E-01	1.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.94E-01	2.11
1	8.71E-01	0.92
0	9.24E-01	0.89
0	1.65E-01	3.72
1	3.15E-01	1.37
13	7.77E-01	1.05
0	8.89E-01	1.17
7	8.82E-01	1.03
0	9.01E-01	1.18
0	9.73E-01	0.97
0	1.24E-01	5.74
0	1.24E-01	5.74
0	2.77E-01	0.48
0	3.27E-01	4.62
0	9.05E-01	0.89
0	9.05E-01	0.89
0	5.93E-01	0.65
0	7.05E-01	1.56
0	7.68E-01	0.80
0	3.80E-01	0.47
0	3.04E-01	0.55
0	9.77E-02	5.20
128	6.98E-01	1.04
0	7.21E-02	0.11
0	4.82E-01	0.38
558	8.83E-01	0.99
3	9.06E-01	1.02
0	7.15E-01	1.10
98	1.13E-01	1.18
7	4.16E-01	0.84
0	4.64E-01	0.38
0	6.45E-02	0.12
0	2.46E-01	2.81
1821	7.32E-01	1.10
0	7.39E-01	0.89
29	5.15E-01	1.09
0	3.51E-01	0.28
0	8.77E-02	6.06
1651	8.60E-02	1.37
1	9.29E-01	1.03
1	8.09E-01	0.85
0	6.07E-01	1.59
40	9.76E-02	1.22

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.07E-01	3.31
1	6.06E-01	0.79
0	2.07E-02	2.03
0	2.93E-01	2.50
0	9.06E-01	0.92
0	8.19E-01	1.43
0	5.00E-01	1.23
0	6.72E-01	0.56
50	7.06E-01	0.95
1006	5.41E-01	0.94
0	6.76E-02	2.07
1921	3.63E-01	0.17
1	9.36E-02	1.46
0	6.06E-01	1.63
858	8.08E-01	0.98
0	1.40E-01	0.34
0	7.11E-01	1.42
33	4.83E-01	0.91
0	7.86E-01	1.54
479	9.91E-01	1.00
1	4.69E-01	1.24
3	3.50E-01	0.81
0	5.50E-01	1.76
1145	7.82E-01	0.97
156	6.35E-01	0.95
0	4.22E-01	0.73
0	1.48E-01	1.82
0	5.66E-01	1.83
0	3.96E-01	2.60
0	7.63E-02	3.34
13	2.50E-01	1.21
0	2.69E-02	6.58
0	2.69E-02	6.58
0	4.74E-01	0.37
0	8.61E-01	1.17
0	7.23E-01	1.45
0	8.03E-01	1.29
0	2.57E-01	3.54
808	1.50E-01	0.87
0	9.60E-01	1.08
0	1.63E-01	0.25
0	9.97E-01	0.99
0	2.33E-01	4.30

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

6	9.85E-01	1.00
0	2.85E-01	0.39
0	7.81E-01	0.68
1701	2.41E-01	0.81
0	4.77E-01	2.04
0	5.65E-01	0.55
0	9.02E-01	0.91
0	5.76E-01	1.22
760	3.40E-01	0.91
8	3.85E-02	1.48
8	3.43E-02	1.50
896	9.64E-01	1.00
1	4.12E-01	0.65
0	6.21E-01	1.35
9	3.09E-02	1.50
788	2.83E-01	0.90
0	2.23E-01	2.97
0	8.94E-01	0.86
0	4.90E-01	1.68
0	9.33E-01	0.93
414	2.80E-01	1.10
1435	7.79E-01	1.04
30	7.93E-01	0.96
0	4.44E-01	3.34
30	7.00E-01	0.95
0	2.90E-02	0.06
14	1.82E-01	1.25
0	9.04E-01	0.94
1910	5.45E-01	1.62
0	6.85E-01	1.49
0	9.00E-01	1.22
0	9.09E-01	1.04
0	1.75E-01	2.13
0	2.57E-01	1.67
0	2.78E-01	3.29
531	4.81E-01	1.07
18	1.67E-01	0.80
0	4.60E-01	1.80
0	5.81E-01	0.47
728	9.32E-01	1.01
0	1.08E-01	0.35
1	3.58E-01	0.42
529	5.77E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1921	2.14E-01	0.07
536	3.66E-01	1.08
535	3.88E-01	1.08
3	9.66E-01	0.99
532	7.26E-01	1.03
0	4.27E-01	0.35
0	7.19E-02	1.77
0	7.19E-02	1.77
0	1.36E-01	5.45
0	6.95E-01	1.27
5	8.95E-01	1.03
1	5.72E-01	1.14
0	1.45E-01	0.21
0	7.90E-01	0.73
0	8.50E-01	0.87
0	6.12E-01	1.32
0	6.97E-01	1.23
0	5.72E-01	1.68
0	9.66E-01	0.98
105	9.65E-02	0.84
0	9.59E-01	0.93
118	6.40E-01	0.95
0	3.46E-01	2.28
7	6.34E-02	0.68
0	8.32E-01	0.77
1601	6.00E-01	1.08
0	9.57E-01	1.04
0	1.46E-01	0.37
21	9.14E-01	1.02
0	7.90E-01	0.68
26	3.29E-01	0.87
409	7.73E-01	1.03
28	5.80E-01	0.93
0	3.71E-01	0.30
1	7.04E-01	1.18
0	2.53E-01	3.97
0	4.97E-01	1.60
0	4.59E-01	0.63
0	3.56E-01	2.69
0	6.46E-01	1.58
0	1.72E-01	3.47
0	6.89E-01	0.74
0	2.13E-01	0.61

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.21E-01	1.67
0	3.73E-01	0.30
0	3.70E-01	2.78
0	8.03E-01	0.75
87	7.00E-01	1.04
0	2.30E-01	1.78
1	2.99E-01	1.93
852	5.81E-01	1.05
1	2.99E-01	1.93
1	2.40E-01	1.31
55	7.65E-01	0.96
305	2.47E-01	1.11
378	3.36E-01	0.92
1	6.14E-01	0.84
0	2.92E-01	0.26
1319	8.98E-01	0.98
0	9.68E-01	0.97
0	3.83E-01	0.56
1311	9.09E-01	1.01
0	9.27E-01	1.05
0	3.28E-01	2.15
0	3.45E-01	0.31
0	6.85E-01	1.58
0	5.02E-01	0.39
0	5.50E-01	0.71
1	4.94E-01	1.61
0	4.88E-02	6.01
143	6.98E-01	0.96
0	1.75E-01	0.21
1	4.57E-01	1.45
0	6.57E-01	1.28
0	9.51E-01	0.94
0	7.70E-01	1.60
5	4.55E-01	0.84
0	4.40E-01	1.99
0	7.66E-01	0.71
0	5.86E-01	1.78
0	8.38E-02	7.25
797	4.97E-01	0.94
0	2.39E-01	1.64
0	4.05E-01	0.53
0	1.29E-01	2.98
1047	5.74E-01	1.06

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

903	7.06E-01	0.97
1368	7.30E-01	1.04
0	1.99E-01	0.57
1	2.57E-01	0.65
0	9.00E-01	0.83
0	2.14E-01	2.94
0	1.39E-01	2.52
0	4.09E-01	1.24
0	8.95E-01	1.09
0	5.69E-02	3.12
1	4.54E-01	1.24
4	3.40E-01	1.27
0	4.66E-01	0.62
0	7.56E-01	1.40
1	4.94E-01	1.61
0	6.14E-01	1.97
1	3.83E-01	1.42
0	6.14E-01	1.97
1258	7.11E-02	1.23
0	6.79E-01	0.79
0	2.91E-01	0.25
0	1.89E-01	0.39
0	1.07E-02	13.46
0	2.61E-01	0.49
0	9.26E-01	0.91
2	2.06E-01	1.33
0	7.47E-03	8.55
0	5.89E-01	1.62
0	6.68E-01	0.55
0	9.59E-01	1.06
11	1.26E-01	1.29
6	1.02E-02	1.57
949	7.54E-01	1.03
15	4.42E-03	0.63
1	7.75E-01	0.90
11	2.17E-01	1.23
1	2.49E-01	1.45
0	6.20E-02	8.92
576	8.54E-01	1.02
0	9.59E-01	0.97
0	4.45E-01	1.90
287	4.50E-01	0.93
2	7.15E-01	0.87

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

151	7.80E-01	0.97
1	1.10E-01	0.56
0	6.83E-01	0.75
0	1.02E-01	2.82
0	7.29E-01	1.30
0	6.82E-01	0.86
0	8.60E-01	0.83
0	4.11E-01	2.44
83	2.26E-01	1.14
0	4.62E-02	6.49
0	5.91E-01	0.58
0	4.27E-01	1.76
1	4.44E-01	1.26
0	1.94E-01	0.18
0	7.39E-01	0.62
1154	4.23E-02	1.24
0	2.99E-01	0.28
0	8.15E-01	1.14
0	9.06E-01	0.89
2	7.36E-01	1.10
225	6.62E-01	0.96
0	8.43E-01	0.74
0	8.95E-01	0.92
0	6.37E-01	1.81
0	1.90E-01	0.13
0	9.87E-01	0.98
0	9.60E-01	0.98
0	2.36E-01	3.91
0	9.60E-01	0.98
0	9.44E-01	0.90
0	6.28E-01	0.66
4	4.66E-01	1.19
8	2.24E-01	0.79
0	5.75E-01	0.41
9	2.58E-01	0.81
0	4.37E-01	2.21
261	1.12E-01	0.86
0	9.71E-01	0.96
0	1.39E-01	0.10
8	8.14E-01	1.05
0	5.75E-01	0.41
3	2.23E-01	1.39
0	7.97E-01	0.69

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

11	9.59E-01	1.01
0	1.05E-01	6.35
0	2.95E-01	0.27
0	2.80E-01	3.24
0	4.49E-01	0.47
1	7.50E-02	0.43
1	9.81E-03	3.28
0	2.96E-01	0.27
3	6.80E-01	0.90
794	8.50E-02	1.17
0	8.08E-01	0.89
4	2.17E-01	1.39
0	6.07E-01	1.37
0	2.14E-01	2.71
0	4.47E-02	2.62
0	7.85E-01	1.12
0	1.25E-01	2.27
676	3.42E-01	1.09
60	4.53E-02	0.78
1	1.17E-01	1.57
0	5.66E-01	1.69
0	3.11E-01	0.31
0	5.24E-01	1.60
1	4.51E-01	0.70
4	1.71E-01	0.76
1	5.87E-01	1.17
0	6.67E-01	0.68
0	5.87E-01	1.17
0	7.72E-01	0.77
0	8.20E-01	1.10
0	5.69E-01	0.72
0	5.45E-01	0.39
201	3.69E-01	0.92
201	3.93E-01	0.92
193	4.16E-01	0.92
0	7.28E-01	0.86
0	1.88E-01	1.46
203	4.03E-01	0.92
0	1.07E-01	1.53
0	7.23E-01	1.40
0	9.56E-01	0.96
0	2.35E-01	2.61
621	7.23E-02	1.18

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.49E-01	0.30
0	3.01E-01	3.96
0	7.87E-02	0.33
0	7.51E-01	0.91
0	5.06E-01	0.41
0	9.38E-01	0.93
1697	3.69E-01	0.85
422	6.15E-01	1.05
0	2.83E-01	0.26
0	2.97E-01	2.17
0	9.37E-01	1.02
21	1.41E-01	0.79
0	1.30E-01	0.36
0	3.83E-01	0.54
0	4.38E-01	0.66
0	5.01E-01	0.41
0	4.12E-01	1.97
0	7.46E-01	0.68
1922	1.00E+00	0.97
0	1.06E-01	0.13
2	1.15E-01	0.63
24	9.66E-01	1.01
0	6.07E-01	1.72
2	1.68E-02	2.55
0	6.25E-01	0.56
0	3.30E-01	0.48
8	4.98E-01	0.88
81	2.92E-01	0.89
2	6.53E-01	0.89
0	5.42E-01	1.84
479	9.45E-01	0.99
0	2.88E-01	0.28
0	4.84E-01	1.95
2	5.30E-01	0.86
0	8.09E-01	1.20
0	9.61E-01	1.02
0	2.27E-01	2.86
642	7.20E-01	0.97
0	2.62E-01	2.56
0	7.77E-01	1.20
0	6.19E-01	1.41
0	1.24E-02	0.04
0	6.48E-01	1.40

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

15	4.16E-01	0.88
0	4.55E-01	0.41
1719	2.44E-01	0.80
0	8.71E-01	1.13
2	1.72E-01	1.35
1909	8.71E-01	1.15
54	2.79E-02	0.77
0	7.88E-01	0.71
0	1.81E-02	2.23
13	8.18E-01	1.04
7	3.78E-01	0.85
0	9.24E-01	0.91
0	7.54E-01	1.34
0	2.96E-01	0.25
0	1.84E-01	2.54
0	1.94E-02	4.96
1273	6.09E-02	0.81
713	1.84E-01	0.88
1268	1.23E-01	0.85
0	6.79E-01	1.60
0	7.20E-01	0.60
50	7.74E-01	1.03
742	3.58E-01	1.09
0	3.42E-01	2.04
2	8.99E-02	1.53
1	3.08E-01	0.70
68	3.02E-01	1.12
0	6.85E-01	1.13
0	5.92E-01	0.64
84	2.08E-01	0.86
0	7.33E-02	3.81
544	3.77E-01	1.08
0	7.46E-01	0.77
0	7.88E-01	0.78
0	9.41E-01	1.10
32	5.94E-01	0.93
3	1.38E-02	0.46
0	6.92E-01	1.51
1813	2.33E-01	0.75
0	5.63E-01	0.53
495	8.17E-01	1.02
494	7.90E-01	1.02
0	2.69E-01	3.04

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

501	8.67E-01	1.02
0	5.63E-01	0.53
562	5.97E-01	0.95
0	4.42E-01	0.37
0	8.56E-01	0.77
0	2.16E-01	4.05
2	3.19E-01	0.71
2	6.13E-01	0.85
0	6.82E-01	1.19
341	3.39E-01	0.92
0	6.13E-01	0.74
0	7.88E-01	1.33
0	3.73E-01	0.32
1	7.49E-01	0.88
27	9.52E-01	1.01
0	4.92E-01	1.50
0	5.10E-01	0.78
0	4.50E-01	1.90
0	1.65E-01	4.71
1	6.39E-01	1.13
1	4.50E-02	3.36
0	4.76E-01	1.77
0	6.89E-01	1.39
0	8.67E-01	1.28
3	2.39E-01	1.24
1	2.84E-01	0.67
37	3.26E-01	1.14
1	5.35E-01	1.20
0	7.39E-01	0.72
0	6.27E-01	1.70
0	8.27E-01	0.85
0	2.56E-01	3.01
0	6.47E-01	0.71
0	1.32E-01	1.88
425	9.24E-01	1.01
0	5.86E-01	1.21
0	8.91E-01	1.09
12	7.90E-01	1.04
0	1.83E-01	0.26
0	9.61E-01	0.97
2	3.11E-01	1.47
0	3.33E-01	0.61
0	5.35E-01	1.26

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.15E-01	2.71
0	6.34E-01	1.20
0	6.22E-01	1.34
0	3.16E-01	2.07
0	2.36E-01	1.94
27	7.30E-01	1.05
0	8.80E-01	1.16
0	1.30E-02	1.98
0	3.89E-01	1.85
4	2.07E-01	0.72
1053	1.97E-01	0.87
0	4.91E-02	5.11
5	5.94E-01	1.12
0	7.70E-01	0.66
1105	1.14E-01	0.84
0	6.39E-01	1.48
0	3.43E-01	0.57
3	3.97E-01	0.80
291	6.57E-01	0.96
14	3.49E-01	1.17
0	6.83E-01	0.85
0	4.85E-02	6.71
474	3.49E-01	1.09
0	6.86E-01	0.73
202	8.01E-01	0.98
0	6.84E-01	1.51
0	6.62E-02	1.94
0	7.32E-01	0.74
0	4.59E-01	1.62
0	1.97E-01	0.23
0	8.60E-01	0.90
0	9.17E-01	1.17
74	7.99E-01	0.97
0	4.99E-01	1.57
2	8.97E-01	0.96
40	1.78E-02	1.35
49	8.18E-02	0.80
0	6.78E-01	0.68
0	9.35E-01	1.08
821	2.26E-01	1.12
3	4.51E-01	1.19
0	8.66E-01	0.87
17	5.97E-01	1.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.22E-01	0.26
0	1.88E-01	4.62
0	6.06E-01	0.70
13	5.85E-01	1.10
0	3.13E-01	0.65
0	7.02E-01	1.47
0	8.59E-01	1.16
0	2.06E-01	4.45
16	8.19E-01	0.96
0	9.94E-01	1.00
1	9.42E-01	0.97
0	4.96E-01	0.76
0	6.64E-01	1.72
17	8.48E-01	0.97
5	1.87E-01	1.29
3	5.14E-01	1.15
0	7.50E-01	1.51
0	4.47E-01	0.43
0	3.70E-01	0.30
0	6.93E-01	2.00
0	7.07E-01	1.31
0	6.70E-01	1.60
45	8.43E-01	0.98
0	3.13E-01	0.69
0	2.48E-01	0.33
0	3.95E-01	0.32
8	4.07E-01	1.17
0	8.06E-01	1.29
2	8.95E-01	1.03
0	4.94E-01	0.40
0	7.29E-01	1.65
1	7.15E-01	1.34
0	4.92E-01	0.40
0	7.86E-01	1.15
0	9.31E-01	1.03
2	5.43E-01	0.81
0	7.50E-01	1.16
0	9.97E-01	1.00
388	9.76E-01	1.00
391	8.00E-01	0.98
0	1.47E-01	3.04
2	3.21E-01	0.78
2	7.31E-01	0.92

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.28E-01	1.25
2	3.54E-01	0.80
0	2.94E-01	2.54
2	2.77E-01	0.78
0	6.08E-01	0.55
0	8.02E-01	0.87
0	4.79E-01	1.87
0	1.13E-02	5.30
0	6.72E-01	0.56
0	8.76E-01	0.93
0	8.52E-01	1.34
1554	6.75E-01	0.94
0	5.62E-01	0.54
0	9.90E-01	0.99
0	7.33E-01	1.43
0	9.30E-02	1.70
0	3.77E-01	1.85
51	8.93E-01	0.98
0	2.00E-01	0.17
80	8.17E-01	1.03
50	9.88E-01	1.00
3	4.45E-01	1.16
84	8.79E-01	1.02
0	3.59E-01	2.51
0	6.87E-01	1.57
4	7.96E-01	0.95
4	7.71E-01	0.94
0	7.66E-01	0.78
0	1.67E-01	5.07
0	9.99E-01	1.00
0	2.07E-02	6.62
0	1.38E-01	0.27
0	4.52E-01	1.76
0	4.66E-01	2.71
0	6.75E-02	2.13
2	5.50E-01	0.87
0	2.77E-01	0.39
0	2.46E-01	3.27
697	1.40E-01	0.88
0	4.44E-01	0.36
0	9.26E-01	1.06
22	1.93E-01	1.22
0	7.84E-01	0.68

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	5.33E-01	1.16
0	7.59E-01	0.71
0	5.68E-01	1.41
0	7.00E-01	0.71
945	2.08E-01	0.89
0	5.42E-01	1.28
3	5.81E-01	1.17
0	4.73E-01	1.60
0	2.89E-01	2.72
1	8.36E-01	1.14
0	8.77E-02	0.18
0	3.97E-01	1.42
3	6.48E-01	1.12
0	4.28E-01	1.68
0	2.72E-01	1.81
0	7.69E-01	1.14
0	9.57E-01	1.03
0	3.63E-02	0.07
564	5.75E-01	0.95
648	8.67E-01	0.99
0	2.73E-01	1.60
648	8.60E-01	0.98
0	7.47E-01	0.64
384	8.62E-01	1.02
0	2.86E-01	0.23
0	2.36E-01	3.31
0	9.52E-01	1.06
1	7.31E-01	1.11
3	8.24E-02	0.65
6	1.24E-01	0.71
0	7.03E-01	1.53
6	8.03E-02	0.67
6	8.03E-02	0.67
1	9.12E-01	1.04
238	5.22E-01	1.06
0	1.76E-01	3.04
0	8.54E-01	1.15
1	4.82E-01	0.79
0	5.72E-01	1.31
10	1.43E-02	1.51
0	2.47E-01	0.34
216	6.77E-01	1.04
0	1.16E-01	3.66

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.84E-01	1.69
0	3.90E-01	0.41
0	8.02E-01	1.21
0	5.35E-01	1.66
0	7.44E-01	1.32
0	6.02E-01	1.44
1	2.01E-01	1.50
0	7.43E-01	1.40
0	6.49E-01	1.28
0	2.86E-01	0.25
0	1.44E-01	2.26
0	7.95E-01	0.87
0	9.39E-01	0.92
3	7.38E-01	1.09
3	6.87E-01	0.90
0	2.02E-01	0.59
2	7.57E-01	1.09
2	6.20E-01	1.24
0	2.61E-01	0.25
1	7.49E-01	0.90
0	6.37E-01	1.99
0	7.86E-01	0.87
0	1.35E-01	0.18
0	7.94E-01	1.37
28	2.54E-01	1.18
56	3.73E-01	1.11
0	2.04E-01	3.49
382	7.72E-02	0.85
0	2.24E-01	2.38
1296	6.17E-01	0.94
7	9.11E-01	1.02
1	2.72E-01	1.50
0	7.03E-01	0.70
0	8.66E-01	0.82
0	7.82E-01	1.19
0	4.09E-01	0.44
9	7.54E-02	1.38
0	4.02E-01	1.85
2	2.38E-01	0.70
31	2.80E-01	1.14
50	9.07E-01	1.02
0	9.03E-01	1.06
5	2.03E-01	0.74

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.27E-01	1.78
0	2.67E-01	0.25
0	7.92E-01	0.83
1922	3.50E-02	0.04
801	4.25E-01	0.93
2	2.57E-01	1.26
0	4.36E-01	1.81
0	9.45E-01	0.90
138	1.47E-01	0.86
962	9.74E-01	1.00
351	1.16E-01	1.15
0	2.66E-01	0.75
0	7.94E-01	0.78
0	6.14E-01	0.58
1	7.50E-01	1.24
6	1.10E-01	0.72
0	2.87E-01	3.27
1	5.61E-01	1.42
0	4.76E-02	0.11
0	5.06E-01	0.38
0	6.13E-02	10.67
13	2.27E-01	0.81
37	3.32E-01	0.88
0	9.88E-01	1.02
0	8.35E-01	0.89
0	7.08E-02	0.16
973	1.02E-01	0.85
0	8.61E-01	0.84
0	8.43E-01	0.89
0	3.53E-01	2.24
0	7.11E-01	1.20
22	5.03E-01	1.11
1	1.04E-01	1.51
0	7.73E-01	0.67
262	4.72E-01	1.07
306	7.58E-01	0.97
0	1.27E-01	5.56
1	9.77E-01	1.01
0	8.15E-01	1.30
0	7.77E-01	0.74
0	3.87E-01	1.40
1	9.31E-01	0.97
0	8.51E-01	0.83

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.51E-01	2.61
1382	1.82E-01	1.18
1	6.32E-01	0.88
0	1.88E-01	0.34
0	7.02E-02	0.19
0	3.61E-01	0.30
2	3.45E-01	0.75
0	4.40E-01	2.28
0	3.40E-01	2.45
1002	3.75E-02	0.81
0	3.15E-01	0.28
54	1.95E-01	1.17
1	9.61E-01	1.02
89	6.69E-01	0.95
147	5.57E-01	1.06
0	5.78E-01	2.40
141	8.80E-02	1.18
0	5.83E-01	1.62
0	1.07E-01	3.08
0	7.76E-01	0.77
0	2.27E-01	0.22
0	6.90E-01	1.25
0	8.56E-01	1.08
0	5.50E-02	0.06
0	3.78E-01	1.46
0	5.26E-01	2.87
698	3.60E-01	0.92
0	7.41E-01	1.41
50	6.65E-01	0.95
44	5.93E-01	0.93
0	2.07E-01	4.34
1	1.13E-01	0.42
0	6.77E-01	0.55
2	2.55E-01	0.68
0	5.02E-01	0.39
1274	3.82E-01	1.11
8	5.67E-01	0.91
0	9.96E-01	1.00
1	4.17E-01	0.79
8	5.85E-01	0.91
0	3.66E-01	2.57
7	5.72E-01	0.91
2	9.46E-01	0.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.45E-01	1.11
60	3.23E-01	0.89
23	8.09E-01	0.97
42	3.62E-01	1.13
8	2.21E-01	0.77
0	2.02E-01	4.00
0	9.72E-01	1.04
1	7.25E-01	0.72
45	6.49E-01	0.94
130	7.63E-01	0.97
1	2.96E-01	0.67
0	8.33E-01	1.21
0	5.88E-01	1.17
0	4.74E-01	1.66
0	6.92E-01	0.58
0	2.65E-01	2.49
0	2.44E-01	0.22
0	1.02E-01	1.63
740	3.90E-02	1.21
347	2.76E-01	1.11
226	2.09E-01	1.13
0	7.63E-01	1.27
1	2.23E-01	0.58
0	8.68E-01	1.26
0	8.68E-01	1.26
2	8.14E-01	1.06
0	3.74E-01	3.42
35	1.41E-01	1.21
0	7.86E-02	0.53
34	1.54E-01	1.20
729	4.08E-02	1.21
730	4.22E-02	1.21
1	8.67E-01	1.04
34	1.32E-01	1.21
730	4.35E-02	1.21
1	4.38E-02	2.44
1	8.85E-01	1.04
722	4.02E-02	1.21
0	6.43E-01	2.14
6	8.86E-01	0.97
1	5.11E-01	0.81
67	9.49E-01	1.01
0	3.49E-01	0.62

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.21E-01	4.07
0	9.42E-01	0.90
0	3.81E-01	1.50
0	2.53E-01	0.57
0	5.04E-02	3.75
0	2.20E-01	2.01
0	9.79E-01	1.02
0	3.70E-01	0.65
0	3.51E-01	2.59
0	3.86E-01	1.90
0	1.95E-01	3.32
0	4.33E-01	2.06
193	4.59E-01	0.93
0	1.61E-01	4.71
0	4.74E-01	2.56
0	9.39E-01	1.08
0	4.92E-01	1.95
471	9.33E-01	0.99
0	5.84E-01	1.70
0	6.53E-01	1.51
0	5.53E-01	0.56
0	8.25E-01	1.19
0	3.35E-01	0.29
0	8.08E-01	1.24
445	3.11E-01	0.91
0	5.73E-01	1.69
868	4.27E-01	0.93
0	3.42E-01	1.48
0	2.88E-01	1.85
317	6.20E-01	0.95
0	4.30E-01	1.78
0	5.73E-01	1.69
3	3.73E-01	0.76
3	3.77E-01	0.76
9	9.89E-01	1.00
0	1.95E-01	2.69
0	2.96E-01	0.26
0	5.35E-01	0.44
87	1.13E-01	0.83
1922	1.00E+00	0.97
0	3.98E-01	2.58
0	7.31E-01	0.62
0	8.23E-01	0.81

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.56E-01	0.72
0	3.45E-01	3.69
0	5.86E-01	1.19
0	8.91E-01	1.13
0	3.36E-01	0.65
0	3.98E-01	2.52
0	7.29E-01	0.73
1638	5.75E-01	1.10
0	8.04E-01	1.27
15	8.77E-01	1.02
0	5.75E-02	8.91
0	3.37E-02	6.97
0	5.61E-01	0.59
0	7.75E-01	0.84
22	8.47E-01	0.97
0	7.19E-01	1.47
178	6.52E-01	0.96
0	7.88E-02	0.10
1	9.29E-01	0.97
3	4.93E-01	1.19
8	9.17E-01	1.02
0	3.08E-02	14.76
36	9.76E-01	1.00
0	8.17E-01	0.87
0	2.07E-01	0.25
0	5.57E-01	0.83
191	3.02E-02	1.23
1922	1.00E+00	0.97
10	8.12E-01	1.05
0	6.51E-01	1.33
1	6.66E-01	0.85
1	7.42E-01	1.08
20	2.56E-01	0.83
0	4.88E-01	1.69
0	8.37E-01	1.23
3	1.55E-01	0.70
0	6.82E-01	0.67
7	8.87E-01	1.03
30	1.74E-01	1.19
7	6.76E-01	1.08
470	1.59E-01	0.88
0	5.23E-01	0.62
9	2.16E-01	0.80

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

9	2.16E-01	0.80
1	7.83E-01	1.16
0	1.96E-01	0.50
44	8.08E-01	1.03
0	4.58E-01	1.54
0	4.58E-01	1.54
0	9.37E-02	1.79
0	9.17E-01	1.05
0	5.40E-01	0.39
0	5.14E-01	2.11
0	1.52E-01	3.14
0	8.57E-02	2.43
0	4.97E-01	1.54
0	6.20E-02	2.69
6	2.28E-01	0.73
1912	8.12E-01	0.84
0	8.57E-01	0.86
0	5.33E-01	0.42
0	9.88E-01	1.01
13	4.80E-01	1.12
0	7.02E-01	0.70
0	2.87E-01	3.22
11	4.87E-02	1.36
145	2.79E-01	1.11
0	8.49E-01	0.87
11	3.54E-02	1.40
0	8.34E-01	1.26
4	7.97E-01	1.06
0	2.51E-01	2.52
0	8.05E-01	1.30
0	3.28E-01	0.38
231	3.76E-01	1.09
0	3.28E-01	0.38
0	9.30E-01	0.95
0	6.56E-01	1.28
1922	1.00E+00	0.97
26	9.71E-01	0.99
0	7.10E-01	0.62
0	6.40E-01	0.85
0	2.81E-01	2.49
0	2.48E-01	3.80
969	4.28E-01	0.92
308	4.16E-01	1.08

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

4	9.77E-01	1.01
0	8.59E-01	1.20
0	5.83E-01	1.66
0	5.07E-01	0.66
0	7.87E-01	1.33
0	9.75E-01	1.01
1921	9.71E-01	0.32
18	8.93E-02	1.27
1676	4.60E-02	0.73
4	8.82E-01	1.04
0	3.73E-01	0.43
2	1.55E-01	0.64
0	3.00E-01	0.25
0	8.66E-01	1.20
517	8.35E-01	1.02
0	3.15E-01	2.57
1	9.60E-02	0.47
1	9.65E-01	0.99
0	5.98E-02	0.38
0	6.69E-01	0.72
0	5.16E-02	6.14
0	3.51E-01	2.23
0	3.17E-01	2.89
0	1.38E-03	22.63
0	6.80E-01	0.56
7	8.27E-01	1.05
0	1.95E-01	2.22
0	7.69E-01	1.35
0	7.30E-01	0.70
1567	4.28E-01	1.12
0	8.56E-02	3.13
0	6.09E-01	1.28
0	1.54E-01	0.14
86	2.26E-01	1.14
0	2.14E-01	0.30
262	5.92E-03	1.29
0	9.35E-01	0.94
262	5.82E-03	1.29
0	9.08E-01	1.06
0	4.20E-01	0.54
0	4.97E-02	0.25
0	8.58E-01	1.32
4	4.16E-02	0.65

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1736	3.59E-02	1.57
0	5.38E-01	0.55
1921	9.72E-02	12.03
130	4.92E-01	1.07
17	6.46E-01	0.93
0	2.47E-01	0.51
0	3.61E-01	0.28
0	8.15E-01	1.24
0	6.52E-01	1.64
0	8.99E-01	0.95
62	2.55E-01	1.14
0	1.38E-01	0.14
2	6.91E-01	1.10
3	9.55E-02	0.56
0	7.37E-01	0.73
185	3.24E-01	1.10
0	7.20E-01	1.25
0	4.18E-01	0.49
0	4.39E-01	0.51
1	3.60E-01	0.79
0	2.71E-01	1.81
0	5.00E-01	0.77
630	1.88E-01	0.89
628	2.45E-01	0.90
68	6.47E-01	1.05
1	7.15E-01	1.38
0	3.64E-01	2.22
28	4.54E-01	1.11
26	7.64E-01	1.04
0	3.51E-01	1.69
3	6.49E-02	1.49
0	7.57E-01	1.67
1743	7.79E-01	1.06
0	6.70E-01	0.55
0	4.25E-01	0.46
425	4.29E-02	0.84
0	8.96E-01	1.15
45	5.27E-01	1.08
394	3.53E-01	0.92
2	4.04E-01	1.40
480	9.20E-01	0.99
10	4.74E-01	1.13
0	2.60E-01	2.90

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

452	3.64E-01	1.09
0	9.13E-01	0.92
0	7.60E-01	1.37
41	8.11E-01	0.97
0	1.20E-01	4.23
0	7.46E-01	0.83
4	5.63E-01	1.15
615	9.13E-01	0.99
0	4.26E-01	1.33
1	9.04E-02	1.91
14	5.19E-01	1.11
32	1.32E-01	0.81
0	2.68E-01	2.85
1092	1.99E-01	0.88
0	8.72E-01	0.94
0	9.70E-01	0.96
6	4.72E-01	0.88
205	7.09E-01	0.97
0	7.07E-01	0.76
0	7.65E-01	1.34
15	8.16E-01	0.97
0	4.91E-01	0.51
1316	2.13E-01	0.86
1	1.56E-01	0.61
0	5.89E-01	1.74
0	3.62E-01	2.31
2	1.76E-01	1.51
2	2.83E-01	1.39
5	5.62E-01	0.91
0	4.27E-01	1.33
0	4.36E-01	1.32
0	7.38E-01	1.20
0	4.85E-01	1.93
4	9.79E-01	0.99
0	4.84E-01	1.81
0	5.95E-01	0.48
567	6.81E-01	1.04
0	2.79E-01	3.32
1	2.50E-01	1.87
406	4.85E-01	1.06
567	8.52E-01	1.02
309	1.01E-01	1.16
0	1.80E-01	4.06

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.97E-02	5.70
0	4.84E-01	0.67
4	2.88E-01	0.79
0	1.89E-01	2.99
0	9.21E-01	0.91
0	5.38E-01	0.50
164	1.49E-01	0.87
0	3.03E-01	0.69
0	9.92E-01	0.99
1	4.11E-01	1.30
0	9.37E-01	0.89
0	3.56E-02	3.09
2	6.22E-01	1.11
0	3.73E-02	5.96
159	7.43E-01	0.97
0	4.13E-01	0.56
12	8.88E-01	1.03
1921	6.23E-01	2.15
0	5.09E-01	1.21
1	9.76E-01	0.99
0	7.36E-01	1.53
284	5.23E-02	1.19
0	5.67E-01	1.54
0	6.29E-01	0.69
0	3.81E-01	2.75
0	9.04E-01	1.14
719	7.61E-02	0.85
0	6.12E-01	0.47
307	1.91E-01	0.88
0	1.39E-01	0.18
0	1.39E-01	0.18
316	8.10E-01	0.98
0	8.39E-02	2.00
464	5.88E-01	1.05
98	4.22E-01	0.91
1	7.61E-02	0.12
15	5.00E-01	1.11
0	7.23E-01	1.46
0	3.73E-01	0.54
0	9.70E-01	0.96
1852	6.37E-01	1.18
259	4.59E-02	1.20
0	2.68E-01	0.43

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.01E-01	0.81
0	2.97E-01	3.07
0	9.98E-01	1.00
0	2.56E-01	2.17
6	1.77E-01	1.35
986	7.42E-02	0.83
0	1.08E-01	0.16
10	6.55E-01	1.08
2	1.47E-03	0.43
9	7.35E-01	1.06
47	9.99E-01	1.00
0	7.69E-01	0.87
572	1.68E-01	0.88
2	8.81E-01	1.03
7	3.07E-01	0.81
6	5.19E-01	0.85
0	3.99E-01	2.50
0	9.67E-01	1.06
0	7.59E-02	0.08
0	8.55E-01	0.84
0	5.97E-02	3.84
62	1.92E-01	0.85
0	7.72E-01	1.63
0	5.59E-01	0.57
45	3.08E-02	1.30
0	2.52E-01	2.40
0	2.45E-01	0.63
0	5.55E-01	0.56
0	8.60E-01	0.86
0	3.52E-01	2.65
1922	1.00E+00	0.97
31	9.64E-02	0.79
0	7.96E-01	0.69
0	8.95E-01	1.08
0	5.59E-01	1.79
0	3.91E-01	0.58
0	7.11E-01	0.81
0	4.90E-01	1.99
0	9.43E-01	0.92
1251	6.56E-01	1.05
0	7.30E-01	1.15
6	4.70E-01	1.15
0	1.48E-01	0.19

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

34	6.91E-01	0.95
1	6.13E-01	0.85
1	9.21E-01	0.96
35	6.74E-01	0.95
485	4.13E-01	1.08
0	2.04E-01	3.42
34	6.91E-01	0.95
0	1.92E-01	0.17
0	9.03E-01	1.19
1158	4.68E-01	1.08
1168	6.05E-01	1.06
541	2.15E-01	1.12
1	8.14E-01	0.93
557	3.28E-01	1.09
1695	9.45E-01	0.99
1	4.29E-01	0.77
2	5.77E-01	0.85
557	3.28E-01	1.09
0	8.42E-01	1.20
556	3.15E-01	1.10
557	3.28E-01	1.09
557	3.13E-01	1.10
0	7.61E-01	0.80
0	2.55E-01	3.09
0	2.52E-01	3.55
0	2.32E-01	0.38
493	7.03E-01	0.97
1217	5.58E-02	0.81
2	1.40E-01	0.72
0	7.58E-01	0.65
0	1.35E-01	4.65
0	8.48E-01	0.86
43	1.82E-01	0.84
18	1.85E-01	0.81
0	1.64E-01	4.94
7	2.88E-01	1.23
0	1.90E-01	5.45
0	4.06E-01	0.30
0	4.74E-01	2.36
0	3.52E-01	1.50
0	7.63E-01	1.63
2	3.29E-01	0.69
40	7.97E-01	1.03

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.02E-02	0.45
0	8.31E-01	1.20
0	2.03E-01	1.60
0	6.99E-01	0.73
17	4.74E-01	0.90
5	2.87E-01	0.79
0	5.66E-01	0.56
0	9.71E-02	1.89
0	7.78E-01	0.67
486	3.63E-01	1.09
0	9.29E-01	1.08
1	3.02E-01	2.55
0	9.18E-02	4.04
0	2.60E-01	0.24
0	6.59E-01	1.26
0	5.82E-02	3.64
12	4.98E-01	0.88
0	9.05E-01	0.91
0	4.45E-01	0.61
0	6.95E-02	2.09
0	4.10E-02	7.00
0	2.31E-01	2.37
899	8.48E-01	1.02
8	3.37E-01	1.18
488	1.86E-01	0.89
0	5.40E-01	1.38
0	9.32E-01	0.98
0	2.21E-01	0.30
0	9.10E-01	1.19
1190	5.38E-01	0.94
0	9.22E-01	0.92
0	7.55E-01	0.86
15	2.40E-01	1.20
0	9.22E-01	0.92
0	9.22E-01	0.92
58	3.32E-01	1.12
0	9.22E-01	0.92
0	2.58E-01	2.34
0	8.63E-01	0.78
137	5.53E-01	1.06
137	5.78E-01	1.06
984	9.33E-01	0.99
2	5.99E-01	1.17

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

115	2.92E-01	0.89
19	6.87E-01	1.06
0	9.45E-01	0.90
96	7.72E-01	0.97
0	2.10E-01	3.39
0	4.71E-01	0.39
0	2.48E-02	14.30
70	9.06E-01	0.99
82	8.60E-01	0.98
0	3.88E-02	3.02
0	6.61E-01	0.54
71	9.07E-01	0.99
0	6.22E-01	0.48
1	8.76E-01	0.95
81	8.54E-01	0.98
122	9.68E-01	1.00
160	8.03E-01	1.02
0	5.33E-01	0.55
0	5.90E-01	0.47
14	1.12E-01	1.27
0	3.89E-01	1.75
0	6.80E-01	1.57
981	8.62E-01	0.98
2	7.13E-02	1.74
41	1.03E-01	0.80
0	8.39E-01	1.17
0	3.77E-01	1.38
0	5.33E-01	1.81
0	9.39E-01	0.95
534	2.23E-01	0.90
0	2.43E-01	3.08
0	7.17E-01	1.31
0	7.64E-01	1.39
0	5.73E-01	0.55
0	4.39E-01	0.47
1922	2.97E-01	0.21
0	7.48E-01	1.44
259	6.61E-01	0.96
63	8.53E-01	1.02
0	9.36E-01	1.07
0	5.35E-01	0.57
0	3.86E-01	1.85
0	6.58E-01	1.60

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

524	3.30E-01	0.92
10	8.29E-01	1.04
0	9.89E-01	0.98
0	5.71E-01	1.83
0	2.52E-02	3.15
0	3.31E-01	3.04
1	8.13E-01	0.90
1772	1.61E-02	1.81
0	4.72E-01	1.61
1	4.44E-01	0.75
0	1.81E-01	2.42
0	5.89E-01	0.65
1	3.21E-01	0.68
0	8.42E-03	0.13
0	7.56E-01	0.62
1614	3.42E-04	1.90
1922	1.00E+00	0.97
0	2.07E-01	1.52
0	9.37E-01	1.08
0	1.40E-01	2.43
16	7.31E-01	1.06
0	4.81E-01	0.83
0	8.75E-01	1.17
260	8.18E-01	1.02
1922	1.00E+00	0.97
93	7.18E-01	1.04
1922	7.29E-01	0.58
33	8.24E-01	1.03
1	8.34E-02	0.44
0	3.08E-01	2.93
1	5.90E-01	0.86
7	2.61E-01	0.80
1	9.31E-02	0.28
43	7.04E-01	1.05
37	4.01E-01	0.89
0	3.49E-01	1.78
0	9.85E-01	0.98
4	5.96E-01	1.13
211	6.29E-01	0.96
0	5.39E-01	1.37
0	7.03E-01	1.12
0	1.08E-01	0.60
0	2.77E-01	2.41

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1780	4.79E-02	0.65
0	8.17E-01	0.80
0	3.18E-01	0.56
0	5.15E-01	1.20
0	5.01E-01	0.50
3	3.60E-01	0.78
1	7.43E-01	0.92
1919	7.42E-01	1.42
1	1.15E-01	0.45
1	6.77E-01	0.74
0	3.79E-01	2.48
0	9.69E-01	0.96
14	5.48E-01	1.10
21	2.07E-01	0.82
1	9.02E-01	0.92
0	9.34E-01	0.93
0	6.02E-01	1.56
445	7.91E-01	0.98
0	1.01E-01	0.13
0	5.45E-01	0.76
62	5.80E-02	1.24
0	1.01E-02	11.03
0	1.91E-01	4.89
2	6.82E-01	1.13
193	1.02E-01	0.85
0	8.94E-01	0.89
211	6.60E-03	1.29
0	7.65E-01	0.87
0	5.49E-02	0.52
0	1.72E-01	0.44
0	4.40E-01	0.37
0	8.32E-01	1.14
0	8.76E-01	0.93
0	9.80E-01	0.96
0	8.37E-02	2.72
0	7.93E-01	1.52
321	1.94E-01	1.12
0	2.98E-01	1.69
0	2.59E-01	0.24
0	4.11E-01	1.73
0	7.92E-01	1.48
1	5.84E-01	0.83
0	7.07E-01	0.59

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.58E-02	2.79
0	2.11E-01	0.20
1	5.31E-01	1.23
3	8.69E-01	1.05
9	7.74E-01	1.06
4	8.22E-01	0.95
0	9.97E-01	1.00
0	3.29E-01	2.08
0	2.84E-01	1.47
0	6.78E-01	0.69
413	7.34E-01	1.03
0	5.90E-01	1.31
0	6.05E-02	0.38
0	1.26E-01	0.33
0	4.29E-01	0.33
0	4.29E-01	0.33
0	5.85E-01	0.48
0	7.43E-01	0.62
0	9.06E-01	0.90
0	1.45E-01	0.19
0	8.95E-01	1.15
0	8.95E-01	1.15
0	6.99E-01	1.40
3	4.29E-01	0.82
0	8.53E-01	1.33
0	8.46E-02	0.11
0	5.83E-02	3.03
2	9.74E-01	1.01
0	1.88E-02	2.79
475	3.76E-02	0.83
0	7.64E-01	0.65
1	4.90E-01	1.25
0	5.09E-01	2.00
0	5.18E-01	1.88
0	3.14E-01	0.41
2	8.63E-01	1.03
377	3.05E-01	0.91
0	4.02E-01	1.61
0	4.17E-01	0.32
1	4.66E-03	2.55
20	4.61E-01	0.90
0	4.24E-01	1.36
0	6.42E-01	1.24

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.47E-01	1.91
0	6.27E-02	0.23
0	8.63E-01	1.31
20	9.91E-01	1.00
0	1.23E-01	5.80
0	9.73E-01	0.98
331	8.76E-01	1.01
0	9.98E-01	1.00
0	9.74E-01	1.02
0	4.80E-01	0.73
0	3.63E-01	1.66
2	7.52E-01	0.87
149	9.24E-01	1.01
0	8.64E-01	0.87
0	2.09E-01	3.01
0	7.92E-01	1.25
32	6.48E-01	0.94
32	9.92E-01	1.00
3	4.84E-01	0.82
540	1.36E-01	1.15
0	5.17E-01	0.77
180	4.71E-01	1.07
294	7.62E-01	1.03
1	4.07E-01	0.72
0	9.75E-01	0.97
0	1.37E-01	5.53
447	5.93E-01	1.05
3	8.44E-01	0.95
3	7.62E-01	0.93
0	3.57E-01	0.57
0	6.88E-02	0.09
0	5.92E-01	0.61
333	8.96E-02	0.85
0	9.13E-01	1.11
3	7.01E-01	0.91
234	1.84E-02	0.80
1057	7.02E-01	0.96
15	8.57E-01	0.97
0	4.02E-01	0.61
1921	9.17E-01	1.18
0	7.71E-01	1.38
0	8.34E-01	1.26
77	6.35E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.83E-01	0.61
0	6.24E-01	1.51
0	8.86E-01	0.91
0	9.67E-01	1.03
0	3.48E-01	2.90
0	6.79E-01	1.61
1	2.08E-01	0.23
1112	8.14E-02	0.84
0	3.02E-01	3.12
0	3.72E-01	2.53
0	1.97E-01	0.16
0	6.04E-01	0.57
0	8.27E-01	0.73
0	4.20E-01	0.64
0	3.20E-02	8.43
8	3.87E-01	1.19
0	8.76E-01	1.04
7	5.12E-01	1.16
0	9.41E-01	1.09
0	5.89E-01	0.69
0	6.40E-01	1.22
0	6.66E-01	1.42
0	8.02E-01	0.82
0	1.70E-01	2.38
0	5.94E-01	1.16
0	2.38E-01	0.57
0	1.96E-01	0.14
1	9.00E-01	0.97
0	1.58E-01	2.44
0	1.58E-01	2.44
1	9.76E-01	0.99
0	3.09E-01	2.17
0	2.60E-01	2.15
0	3.95E-01	0.42
0	1.14E-01	0.36
0	1.54E-01	2.81
1	1.95E-01	0.36
42	8.74E-01	0.98
5	4.88E-01	1.14
180	9.79E-01	1.00
0	4.72E-01	2.51
0	7.08E-01	0.78
1050	3.96E-01	1.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

91	9.11E-01	0.99
1	2.16E-01	2.38
20	2.74E-01	0.85
0	4.97E-01	1.55
0	7.33E-01	0.84
0	5.47E-01	1.63
0	1.03E-01	0.23
745	6.34E-01	1.05
0	9.71E-01	0.99
0	7.44E-01	1.37
0	9.07E-01	0.96
0	4.48E-01	0.57
2	4.30E-01	0.78
0	9.28E-01	0.90
13	8.87E-01	0.98
0	7.44E-01	0.83
0	5.63E-01	1.33
2	9.32E-01	0.98
0	1.08E-01	0.12
0	3.19E-01	2.05
0	9.89E-01	1.02
46	7.37E-02	1.25
46	9.11E-02	1.24
0	4.69E-02	3.84
0	3.27E-01	2.37
0	9.05E-01	1.20
0	1.82E-01	2.89
0	8.75E-01	0.91
0	6.58E-01	1.59
1324	1.12E-01	1.21
1	5.70E-01	1.29
0	1.60E-01	5.94
0	5.06E-01	0.48
93	8.04E-04	0.68
1	3.21E-02	1.79
29	5.87E-03	1.46
4	3.26E-02	1.51
0	2.37E-01	3.63
0	5.09E-01	0.76
844	3.60E-01	0.92
0	5.27E-01	2.31
116	8.44E-01	1.02
0	1.85E-01	3.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.25E-01	1.16
0	6.91E-01	0.68
2	8.55E-01	0.96
4	2.42E-01	1.29
0	6.40E-01	0.73
0	7.68E-01	0.69
0	8.05E-01	0.70
0	8.74E-01	0.79
2	9.28E-01	0.96
0	8.02E-01	1.26
0	3.64E-01	0.40
0	9.24E-01	1.13
57	9.63E-01	1.01
57	9.66E-01	1.01
1	6.48E-01	0.86
0	8.22E-01	1.26
8	8.51E-02	0.71
1	4.84E-01	1.23
1	1.36E-01	1.43
0	7.71E-01	0.92
0	3.42E-01	0.37
0	5.88E-01	1.71
0	1.99E-01	0.20
0	7.34E-01	1.29
5	2.77E-01	0.78
0	3.15E-01	2.24
25	9.12E-02	1.26
25	9.12E-02	1.26
0	8.89E-02	0.28
0	2.22E-01	2.08
0	7.00E-01	1.17
0	4.39E-01	0.47
1919	2.01E-01	0.24
0	5.12E-01	0.72
0	1.37E-01	0.38
1	7.59E-01	0.87
1	6.74E-01	1.12
5	9.59E-01	0.99
0	2.72E-01	2.57
0	3.85E-02	0.09
0	5.93E-01	1.19
0	7.30E-01	0.87
0	4.83E-01	1.65

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.85E-01	0.73
176	9.87E-02	1.17
0	3.49E-01	1.62
0	5.37E-01	0.42
0	3.87E-01	0.61
0	9.76E-01	1.05
0	7.29E-01	1.63
0	8.11E-01	1.46
0	8.20E-01	0.92
16	5.93E-01	0.92
0	9.55E-01	0.92
62	4.65E-01	1.09
0	5.57E-01	0.73
0	5.66E-01	0.54
0	1.85E-01	1.93
0	3.68E-01	0.31
575	4.76E-01	0.94
0	1.48E-01	0.16
576	5.22E-01	0.94
0	2.05E-02	2.94
0	9.05E-01	1.20
0	7.87E-01	1.30
1	5.53E-01	0.78
0	4.15E-01	1.28
1	7.67E-01	1.07
0	1.44E-01	1.52
0	7.59E-02	5.87
5	9.95E-01	1.00
300	2.26E-01	1.12
79	3.29E-01	1.12
298	2.78E-01	1.10
7	3.36E-01	1.23
0	9.89E-01	0.99
0	8.35E-01	0.79
0	2.54E-01	0.34
0	4.14E-01	1.87
0	9.52E-01	1.06
1737	8.96E-01	1.03
0	6.88E-01	0.63
0	5.06E-01	1.92
339	2.05E-01	1.12
0	6.38E-01	1.28
0	7.69E-01	1.16

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	3.23E-01	0.76
693	5.72E-01	1.05
1093	6.71E-01	1.04
0	2.77E-01	3.07
148	6.73E-01	1.04
0	3.71E-01	1.59
0	2.58E-01	1.50
0	3.73E-01	1.52
280	3.91E-02	0.82
1	6.26E-02	0.49
95	2.05E-02	0.77
96	3.41E-01	1.11
53	5.11E-01	1.08
0	3.48E-03	3.39
0	8.57E-01	1.12
2	7.97E-01	0.94
0	6.75E-01	0.58
0	2.12E-01	3.61
3	3.84E-02	0.47
0	1.68E-01	3.70
575	2.70E-01	1.11
1859	7.74E-01	0.91
0	1.43E-01	5.51
0	8.22E-01	1.13
0	8.59E-01	1.09
0	4.36E-01	1.33
0	9.05E-01	1.05
0	8.40E-01	0.82
0	8.28E-01	1.24
0	8.33E-01	1.23
0	8.28E-01	1.24
0	8.33E-01	1.23
0	8.26E-01	1.24
0	8.17E-01	1.25
0	8.28E-01	1.24
0	8.33E-01	1.23
20	3.10E-01	0.85
1712	5.75E-01	1.12
0	2.17E-01	2.24
0	8.80E-01	0.84
193	3.92E-01	0.92
0	7.03E-01	0.59
0	1.24E-01	6.18

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.03E-01	1.32
0	4.53E-01	2.18
0	2.22E-01	2.50
0	8.62E-01	0.90
0	9.06E-01	1.12
0	1.43E-01	0.29
4	7.04E-01	0.92
0	7.94E-01	0.69
0	2.18E-03	4.43
1044	3.45E-01	0.91
0	6.78E-01	1.55
0	2.43E-01	0.17
1922	1.00E+00	0.97
1915	6.88E-01	0.75
0	2.48E-01	3.47
0	1.21E-01	3.19
0	8.46E-01	1.21
0	9.00E-01	0.93
3	8.21E-01	0.93
536	9.91E-01	1.00
68	4.05E-01	1.10
13	5.23E-01	0.90
0	2.31E-01	0.39
1	4.95E-01	1.32
0	3.15E-01	3.15
0	1.25E-01	3.93
0	5.32E-01	0.49
0	5.45E-01	0.53
0	5.45E-01	0.53
2	8.28E-01	1.06
0	5.50E-02	1.80
0	4.72E-01	0.73
0	7.42E-01	0.63
0	5.72E-01	0.51
0	5.34E-02	4.02
0	4.89E-01	1.64
0	2.68E-01	2.00
24	7.86E-01	0.96
0	7.81E-01	0.67
0	4.22E-01	2.47
0	9.43E-01	0.95
0	3.61E-01	0.44
0	5.24E-01	0.41

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.47E-01	0.42
0	2.28E-01	0.58
0	9.68E-01	1.06
2	5.13E-01	0.85
104	5.86E-01	1.06
41	4.89E-01	0.91
0	6.35E-01	1.65
0	6.20E-02	2.28
0	9.79E-01	0.99
68	4.31E-01	0.91
0	9.33E-01	0.89
0	8.85E-01	1.15
1262	7.06E-01	1.04
0	3.51E-01	2.16
1221	6.27E-01	1.06
21	1.21E-01	1.25
1	8.05E-01	0.89
0	4.90E-01	1.64
37	9.50E-01	1.01
0	7.42E-01	0.69
0	3.47E-01	1.40
0	7.30E-01	0.71
0	7.00E-01	1.46
0	3.08E-01	0.51
0	2.49E-01	0.41
159	6.78E-01	0.96
1	4.92E-01	0.79
868	9.54E-01	0.99
37	1.89E-01	1.18
0	7.71E-01	0.73
0	5.01E-01	0.40
0	6.08E-01	0.60
0	3.99E-01	1.36
0	3.99E-01	1.36
1	1.65E-01	1.39
1	1.65E-01	1.39
0	7.43E-01	0.86
0	8.63E-01	1.12
29	8.42E-01	1.03
0	7.99E-01	1.38
14	6.82E-02	1.32
0	4.29E-02	12.99
0	8.78E-01	0.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.68E-01	1.04
0	2.78E-01	0.63
0	8.77E-01	1.19
10	6.45E-01	1.09
0	5.31E-01	0.39
0	2.01E-01	0.52
1	4.51E-01	1.27
1	5.22E-02	1.79
0	8.16E-01	0.94
0	9.49E-01	0.94
340	6.07E-02	1.18
0	4.46E-01	0.55
0	5.41E-01	0.70
0	1.76E-01	3.58
1698	3.54E-01	0.84
0	3.79E-01	0.42
0	6.18E-01	1.57
0	6.16E-01	1.73
77	9.50E-01	1.01
0	9.41E-01	0.94
76	5.99E-01	1.06
0	1.47E-01	0.15
0	3.23E-01	1.61
0	7.76E-01	1.26
0	1.66E-01	2.18
0	1.66E-01	2.18
1	2.30E-01	1.43
0	7.95E-01	0.88
67	3.56E-01	0.90
67	3.56E-01	0.90
70	3.48E-01	0.90
0	3.75E-01	0.30
0	5.70E-01	1.82
0	2.45E-01	3.55
14	4.95E-01	1.11
0	2.53E-01	2.81
0	7.45E-01	0.92
0	8.28E-01	1.22
79	6.85E-01	0.96
13	9.45E-01	1.01
0	1.13E-01	4.33
148	3.89E-01	1.09
178	5.64E-01	1.06

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

128	3.00E-01	1.11
1	2.76E-01	0.64
0	6.63E-01	0.68
128	2.74E-01	1.12
127	2.62E-01	1.12
0	8.06E-01	1.29
94	9.53E-02	1.19
1093	9.93E-01	1.00
1180	7.55E-01	1.04
0	6.29E-01	0.58
0	2.26E-01	3.76
0	2.29E-01	2.35
0	5.73E-01	0.47
0	9.67E-01	0.97
0	9.62E-01	1.04
1086	1.79E-01	0.87
0	4.40E-01	1.80
0	4.10E-01	1.38
0	6.17E-01	1.34
0	4.06E-01	0.82
0	1.76E-01	4.90
257	7.55E-01	1.03
0	3.00E-02	6.49
181	4.33E-01	0.93
0	1.56E-01	2.42
0	8.86E-01	1.08
0	6.12E-01	0.46
0	5.21E-01	0.69
0	8.46E-01	0.75
0	4.19E-01	0.35
0	2.35E-01	2.85
0	1.23E-01	2.45
0	9.22E-01	1.09
0	7.86E-01	1.26
0	3.46E-01	1.37
0	1.28E-01	1.78
0	8.44E-01	0.73
690	9.95E-01	1.00
0	9.70E-02	0.13
39	9.19E-01	1.01
0	8.17E-01	1.18
162	8.64E-01	0.98
5	5.98E-02	0.56

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

4	2.90E-01	0.76
26	5.70E-02	1.27
0	3.04E-01	1.91
0	5.92E-01	1.42
0	2.92E-01	2.08
0	6.75E-01	1.31
160	6.45E-01	1.05
0	9.45E-01	0.90
138	2.88E-01	1.12
220	1.35E-01	1.15
0	6.43E-01	1.70
0	7.11E-01	0.70
0	6.61E-01	0.66
628	9.32E-01	1.01
6	3.07E-01	1.25
0	5.69E-02	2.69
7	9.00E-01	0.97
0	3.90E-01	1.42
0	6.13E-01	0.79
2	7.73E-01	0.93
113	6.41E-01	0.95
40	5.68E-01	1.07
0	2.12E-01	2.07
0	1.08E-01	8.34
0	6.64E-01	0.83
559	4.96E-01	0.94
0	3.36E-01	1.71
0	9.47E-01	1.07
0	8.14E-01	0.82
0	9.06E-01	0.95
0	6.68E-01	1.31
0	6.03E-01	0.47
300	3.24E-01	0.91
129	4.67E-01	0.93
32	6.62E-01	0.94
0	9.76E-01	1.03
188	2.21E-02	1.24
0	5.65E-01	0.67
0	2.04E-01	2.54
0	2.43E-01	1.51
60	9.02E-01	0.99
0	5.00E-01	0.66
0	1.37E-01	2.80

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	1.50E-01	1.98
0	6.67E-01	1.55
1	7.66E-01	1.07
0	7.74E-01	0.71
163	1.43E-01	0.86
1917	2.73E-01	0.32
0	7.82E-01	0.68
0	9.41E-01	1.10
2	7.95E-02	1.69
2	7.95E-02	1.69
86	4.01E-01	0.91
0	2.71E-01	1.66
0	6.38E-01	1.46
0	1.71E-02	3.83
0	4.58E-01	1.39
0	4.76E-02	4.88
0	6.11E-01	0.80
2	7.47E-01	0.89
39	3.46E-02	1.30
1143	1.76E-02	0.78
3	8.02E-01	1.06
1	2.01E-01	0.52
0	7.41E-01	0.86
19	7.95E-01	0.96
0	7.12E-01	1.37
6	8.83E-01	0.98
0	8.84E-01	1.05
0	7.98E-01	0.86
186	5.08E-01	0.94
0	6.41E-01	2.83
207	1.23E-01	1.16
39	4.24E-01	0.90
0	9.91E-01	1.01
0	8.06E-01	1.28
0	3.43E-01	0.28
48	2.76E-01	1.14
191	2.97E-03	0.75
0	7.33E-01	0.73
0	5.05E-01	1.98
0	8.33E-02	8.44
0	9.69E-04	16.47
0	6.38E-01	0.51
0	6.14E-01	0.53

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.73E-01	0.79
966	4.16E-01	1.09
1	2.51E-01	1.35
961	2.44E-02	0.81
960	2.43E-02	0.81
0	2.83E-01	3.15
0	1.50E-01	3.22
1656	2.76E-02	1.53
0	5.39E-01	0.41
0	2.22E-01	0.38
1	3.97E-01	2.00
0	5.19E-01	0.58
1	1.22E-01	0.62
159	9.45E-02	0.85
0	4.29E-03	6.89
1017	4.74E-02	1.23
306	8.27E-01	0.98
0	1.80E-01	0.17
0	9.80E-01	1.02
26	8.65E-01	0.98
0	6.23E-01	1.69
0	4.40E-01	1.90
191	5.76E-01	0.95
4	4.13E-01	0.83
0	3.15E-01	3.10
197	8.56E-01	1.02
60	7.14E-02	1.23
335	4.41E-01	0.93
198	8.88E-01	1.01
0	7.72E-01	0.75
60	8.78E-02	1.22
0	1.35E-01	4.07
0	8.07E-01	1.22
0	4.57E-01	0.63
213	1.43E-01	0.87
60	8.89E-02	1.22
1	6.77E-01	0.83
1617	2.43E-01	1.22
1	1.14E-01	1.49
420	5.91E-01	1.05
247	6.21E-01	0.95
247	6.21E-01	0.95
0	9.96E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.50E-01	0.93
272	8.42E-01	0.98
419	5.91E-01	1.05
24	2.87E-01	1.18
0	7.11E-01	1.13
247	6.49E-01	0.96
24	3.07E-01	1.17
1556	3.63E-01	1.14
0	9.38E-01	1.03
246	6.52E-01	0.96
58	7.17E-02	1.23
0	2.82E-01	3.10
134	2.87E-02	1.25
3	5.28E-01	0.86
0	8.01E-02	2.92
1555	3.06E-01	1.16
164	3.46E-01	0.91
24	2.92E-01	1.18
0	2.93E-01	0.37
166	3.49E-01	0.91
0	1.70E-01	3.79
287	9.28E-01	0.99
58	7.17E-02	1.23
0	7.01E-01	0.59
0	1.28E-01	0.24
0	9.50E-01	1.09
1	8.14E-01	0.94
0	5.83E-01	0.74
24	3.56E-01	1.15
4	4.21E-01	1.21
0	5.41E-01	1.77
58	6.25E-02	1.24
0	9.93E-01	0.99
1687	9.78E-01	1.00
1381	6.55E-01	1.06
0	3.79E-01	1.53
0	9.39E-01	1.11
0	1.79E-01	0.19
1	7.58E-01	0.92
0	6.17E-01	1.23
1382	6.46E-01	1.06
4	4.26E-01	1.21
165	3.17E-01	0.90

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

165	2.79E-01	0.90
0	1.01E-01	0.16
35	2.54E-01	1.16
0	3.12E-01	0.39
3	5.28E-01	0.86
180	4.66E-01	0.93
0	8.92E-01	0.82
166	2.78E-01	0.90
0	1.79E-01	3.82
166	2.85E-01	0.90
695	9.53E-02	0.86
0	7.70E-01	1.19
0	4.22E-01	2.50
24	3.00E-01	1.17
166	2.54E-01	0.89
166	2.84E-01	0.90
184	2.63E-01	0.89
0	8.88E-01	1.29
166	2.77E-01	0.90
166	2.77E-01	0.90
166	2.77E-01	0.90
166	2.77E-01	0.90
166	2.77E-01	0.90
35	2.56E-01	1.16
0	7.89E-01	1.31
166	2.77E-01	0.90
0	8.72E-01	0.93
19	3.48E-01	1.16
232	8.78E-01	0.99
23	5.48E-01	0.91
501	4.36E-01	1.07
57	1.93E-01	1.17
0	2.24E-01	1.97
23	5.17E-01	0.91
232	8.78E-01	0.99
0	9.11E-01	1.07
23	5.51E-01	0.91
57	1.89E-01	1.17
0	3.30E-01	1.84
1922	1.00E+00	0.97
57	1.89E-01	1.17
57	1.89E-01	1.17
57	2.32E-01	1.15

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.78E-01	1.45
0	7.49E-01	0.64
0	2.18E-01	0.21
0	8.88E-01	1.29
23	5.52E-01	0.91
23	5.54E-01	0.92
0	5.85E-01	0.48
245	2.02E-01	0.89
339	2.37E-01	0.90
5	6.73E-01	1.09
0	1.32E-01	5.80
58	1.30E-01	1.19
9	9.64E-01	1.01
9	9.64E-01	1.01
186	9.43E-02	1.18
1	8.31E-01	0.91
58	1.30E-01	1.19
0	8.27E-02	5.01
4	6.53E-01	1.10
0	1.32E-01	3.72
188	2.94E-01	1.11
0	7.83E-01	1.22
74	2.99E-01	0.89
0	6.55E-01	1.65
0	9.13E-01	1.05
51	8.63E-01	0.98
3	1.77E-01	1.26
0	5.95E-01	2.01
0	2.12E-01	5.27
3	7.17E-01	1.12
0	8.96E-01	0.94
0	8.72E-01	1.08
679	3.78E-01	1.09
652	3.46E-01	1.09
0	8.80E-01	1.08
0	2.15E-01	0.46
9	5.95E-01	0.91
0	4.27E-01	2.47
0	4.65E-01	1.64
65	4.87E-01	0.92
65	4.87E-01	0.92
0	8.11E-01	1.13
0	7.98E-02	0.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.22E-01	0.91
0	2.43E-01	2.30
74	8.52E-01	1.02
2	8.14E-01	0.92
371	2.74E-01	1.11
1	9.29E-01	1.04
0	7.36E-01	1.44
0	4.12E-02	6.09
0	7.46E-01	1.69
1824	1.35E-01	1.56
77	5.54E-01	0.93
78	5.41E-01	0.93
57	7.98E-03	1.35
0	4.21E-01	2.02
34	1.43E-01	0.82
400	4.96E-01	0.94
27	3.32E-01	0.87
0	5.16E-01	1.29
2	8.32E-02	1.76
0	1.43E-01	0.10
0	9.48E-01	0.91
0	3.61E-01	2.57
0	7.13E-01	1.32
387	4.84E-01	0.94
35	3.84E-02	0.74
0	5.88E-01	1.48
0	4.48E-01	0.36
0	7.85E-01	0.82
0	5.59E-01	0.79
0	5.20E-01	1.52
7	1.32E-01	0.76
0	6.08E-01	1.69
0	4.65E-02	2.19
0	8.62E-01	0.94
0	4.05E-01	1.63
0	2.48E-01	2.94
0	5.00E-01	1.58
0	7.76E-01	0.80
0	9.72E-01	1.03
22	3.69E-01	0.87
0	2.56E-01	0.39
2	4.39E-01	1.20
0	1.91E-01	0.36

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

351	4.33E-02	0.83
0	2.86E-01	1.77
0	8.31E-01	1.31
0	7.67E-01	1.37
283	6.83E-02	0.84
39	4.84E-01	0.91
0	2.24E-01	2.21
0	7.81E-01	0.66
0	1.53E-01	1.40
0	4.92E-01	1.95
0	3.23E-01	0.27
0	9.32E-01	0.93
0	2.61E-01	0.44
0	6.13E-01	1.70
10	9.01E-01	0.98
111	6.63E-01	1.05
0	8.39E-01	0.84
0	2.20E-01	0.38
0	3.87E-01	0.59
0	8.14E-01	0.77
13	4.46E-01	0.88
155	5.15E-02	0.82
0	8.10E-01	0.87
63	8.95E-02	0.82
0	9.45E-01	1.07
0	8.41E-01	1.20
0	9.95E-01	1.00
0	3.40E-01	2.04
0	3.93E-01	0.34
0	3.16E-01	2.63
1	8.29E-01	1.10
0	8.26E-01	1.38
0	1.18E-01	3.59
73	6.47E-01	1.05
437	4.38E-01	1.07
0	6.06E-01	1.25
0	4.99E-01	0.42
0	1.18E-01	0.09
286	5.25E-01	0.94
0	6.80E-01	1.48
0	7.74E-01	1.23
0	5.39E-01	0.69
1195	8.28E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.53E-01	0.77
0	3.06E-01	2.11
14	8.63E-01	0.97
0	1.06E-01	1.75
0	9.76E-01	0.96
0	5.20E-01	0.69
0	1.28E-01	3.01
0	5.79E-01	0.57
0	1.45E-01	0.18
19	1.34E-01	1.26
0	4.67E-01	0.33
0	3.26E-01	0.27
0	8.11E-01	0.70
13	7.96E-02	1.32
0	1.62E-02	10.05
0	4.56E-02	2.43
0	4.31E-01	2.00
8	2.38E-01	0.81
0	5.41E-01	1.31
0	9.72E-01	0.97
0	5.45E-01	1.76
0	3.80E-01	0.35
0	6.22E-01	1.55
927	8.03E-01	1.02
0	8.12E-01	1.09
0	6.83E-01	0.65
0	7.66E-01	0.85
0	7.92E-01	1.31
1	9.29E-01	1.02
0	5.35E-01	1.86
0	8.96E-01	1.07
0	9.00E-01	1.07
406	6.40E-01	0.96
0	9.94E-01	1.01
0	6.49E-01	0.78
7	4.56E-01	0.87
0	6.10E-01	0.45
0	7.15E-01	1.23
0	7.20E-01	0.78
0	3.78E-02	2.73
20	1.07E-01	1.26
0	2.40E-01	0.23
0	9.41E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.77E-01	1.91
603	4.53E-01	1.07
474	7.33E-01	0.97
0	9.32E-01	1.07
0	8.09E-01	1.17
2	6.97E-01	1.16
0	4.89E-01	2.04
0	3.82E-01	0.32
62	8.29E-01	0.98
0	9.17E-01	1.07
0	8.72E-01	0.90
5	1.57E-01	1.38
0	8.06E-01	1.32
0	7.39E-03	12.50
0	6.38E-01	0.71
23	8.29E-01	0.97
22	5.15E-01	0.91
0	6.13E-01	1.63
0	6.43E-01	2.23
1193	9.61E-01	0.99
0	6.30E-01	0.80
0	8.52E-01	1.06
0	3.25E-01	0.46
0	7.62E-01	1.63
1	1.09E-01	0.54
1	1.09E-01	0.54
10	1.38E-01	1.30
15	4.52E-01	1.14
8	4.95E-01	1.12
47	3.00E-01	1.14
7	4.49E-01	1.14
0	4.20E-01	0.76
47	3.00E-01	1.14
0	2.81E-01	1.42
0	8.51E-01	0.84
0	8.81E-01	0.88
1	6.96E-01	0.90
0	6.00E-01	0.47
0	1.46E-01	3.88
0	7.03E-01	1.47
2	7.18E-02	0.53
0	9.34E-01	0.93
0	8.33E-01	1.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

43	4.92E-01	1.09
147	5.44E-01	0.94
147	5.44E-01	0.94
1	1.50E-01	0.61
29	6.58E-01	0.94
326	3.90E-01	1.08
343	4.66E-01	1.07
0	5.52E-01	1.60
169	9.65E-01	1.00
2	6.87E-01	0.89
0	8.98E-01	0.82
0	9.99E-01	1.00
0	8.61E-01	0.81
0	2.23E-01	3.88
1	4.53E-01	0.76
0	8.09E-01	1.28
2	7.01E-01	0.89
0	5.30E-01	0.80
1	5.38E-01	0.81
0	4.10E-01	0.35
0	9.72E-01	1.03
0	3.79E-01	2.52
0	8.00E-01	0.88
0	8.29E-01	0.85
2	4.70E-02	2.11
343	3.58E-01	0.92
0	2.74E-01	2.48
2	4.25E-01	0.81
1	5.63E-01	0.81
4	5.27E-01	1.16
1	7.82E-01	1.13
0	7.55E-01	1.65
0	6.81E-01	0.67
167	9.24E-01	1.01
1	4.50E-01	0.75
0	7.10E-01	0.60
0	9.06E-01	1.09
0	9.61E-01	1.06
1	4.52E-01	1.22
0	9.96E-01	1.00
0	9.42E-01	0.95
1	1.83E-01	1.51
0	4.91E-01	0.41

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.06E-01	0.65
0	7.11E-01	0.66
0	7.51E-01	1.23
1	5.20E-01	0.57
0	8.76E-01	1.06
0	1.37E-01	0.16
0	6.87E-01	1.41
0	6.76E-01	1.47
0	7.35E-01	1.39
0	4.40E-01	1.78
67	9.21E-01	1.01
0	2.06E-01	4.35
0	1.15E-01	4.65
25	4.21E-01	0.88
0	2.95E-01	1.80
40	1.74E-01	0.83
1	9.84E-01	0.99
2	5.61E-01	0.85
0	3.88E-01	0.37
0	4.78E-01	2.15
0	6.59E-01	0.55
0	1.29E-01	3.91
0	5.27E-01	0.56
117	4.85E-01	0.93
0	6.03E-01	1.79
2	2.94E-02	1.75
14	7.59E-01	0.95
2	2.29E-02	1.82
0	7.15E-01	0.73
0	8.48E-01	1.13
0	5.37E-01	0.59
0	4.60E-01	2.73
76	4.66E-01	0.92
0	9.14E-01	1.06
76	4.67E-01	0.92
0	8.79E-01	0.90
15	1.93E-01	0.79
0	9.24E-01	1.04
0	9.08E-01	1.11
0	6.06E-01	1.60
0	9.09E-01	1.08
0	2.43E-01	3.57
131	1.43E-01	1.16

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

45	9.79E-01	1.00
0	7.66E-01	0.89
0	8.63E-01	0.85
0	9.22E-01	0.89
0	3.39E-01	2.74
0	6.21E-01	0.64
0	7.34E-01	1.29
28	3.59E-01	1.12
0	4.17E-01	1.44
0	6.70E-01	1.21
2	5.75E-01	1.13
0	1.65E-01	2.59
18	2.10E-01	0.82
0	2.86E-01	2.22
0	8.99E-01	1.05
1	3.37E-01	0.62
0	2.28E-01	2.91
0	3.76E-01	0.44
0	3.26E-01	0.41
0	7.15E-01	0.60
0	3.76E-01	0.44
0	5.59E-01	0.62
0	9.67E-01	0.98
34	8.57E-01	1.02
0	7.83E-01	0.82
0	7.84E-01	0.79
3	2.74E-01	0.78
22	2.84E-01	0.84
0	4.10E-01	2.84
0	8.58E-01	1.20
0	7.18E-01	1.17
0	1.12E-01	0.26
0	6.59E-01	0.61
0	8.88E-01	1.10
1031	3.53E-01	0.91
0	6.10E-01	1.35
4	6.90E-01	1.08
4	4.32E-01	1.19
160	3.41E-01	0.91
0	6.54E-01	1.44
0	5.72E-01	0.75
0	9.13E-01	0.96
960	8.57E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.68E-01	1.51
62	7.84E-01	0.97
0	6.99E-01	0.59
64	7.37E-01	0.96
1617	6.21E-02	0.75
2	2.90E-01	1.22
0	6.99E-01	0.59
1084	8.21E-01	0.98
63	8.00E-01	0.97
0	6.44E-02	3.07
0	3.03E-01	2.91
0	3.03E-01	2.91
0	3.03E-01	2.91
0	3.03E-01	2.91
0	3.03E-01	2.91
0	3.66E-01	2.60
1863	6.02E-03	0.42
0	7.22E-01	1.41
0	7.06E-01	1.41
136	8.13E-02	0.84
0	7.30E-01	0.80
1319	6.82E-01	1.05
2	5.77E-01	0.82
0	3.40E-01	0.29
64	7.10E-01	0.96
1444	9.84E-01	1.00
2	1.31E-01	0.52
1449	8.93E-01	0.98
65	7.05E-01	0.96
910	8.28E-01	1.02
0	3.91E-01	0.68
2	1.30E-01	0.52
64	7.10E-01	0.96
0	5.48E-01	2.01
0	2.06E-01	1.91
0	4.92E-01	0.39
1	8.56E-01	1.08
1	9.53E-01	0.97
0	4.39E-01	1.28
0	4.50E-01	0.75
2	9.40E-01	0.98
0	6.27E-01	1.48
0	8.09E-01	1.20

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.63E-01	1.33
0	2.88E-01	3.07
3	2.06E-01	1.50
0	7.12E-01	0.80
0	5.09E-01	0.66
0	1.27E-01	0.47
0	3.42E-01	1.79
0	2.59E-01	0.24
1922	1.00E+00	0.97
0	9.10E-01	0.84
0	3.92E-01	1.68
3	6.61E-01	1.10
215	6.25E-01	1.05
226	7.50E-01	1.03
226	7.42E-01	1.03
0	4.05E-01	2.56
0	8.36E-01	1.39
0	4.63E-01	0.37
0	7.52E-01	0.68
1644	1.40E-01	1.31
0	8.08E-01	1.25
0	5.20E-01	2.15
516	4.44E-01	1.07
7	1.14E-01	0.72
7	1.19E-01	0.72
153	4.62E-02	1.21
0	6.58E-01	0.63
137	5.12E-01	0.93
1	6.86E-01	1.12
21	3.62E-01	1.14
0	7.88E-01	0.68
0	2.98E-01	0.54
117	9.13E-01	1.01
118	9.39E-01	1.01
0	5.78E-01	0.53
0	5.61E-01	1.28
0	5.79E-01	0.58
0	3.17E-01	1.60
0	5.65E-02	0.20
0	8.74E-01	0.78
0	6.26E-01	1.58
0	7.30E-01	0.72
0	2.92E-01	0.57

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.92E-01	0.57
0	2.92E-01	0.57
0	5.68E-01	1.61
0	9.62E-01	1.07
0	2.40E-01	2.57
0	2.06E-01	1.31
0	3.25E-01	2.19
1922	1.00E+00	0.97
0	2.40E-01	2.57
0	4.65E-01	0.35
0	9.03E-01	0.96
0	5.08E-01	1.44
0	7.89E-01	0.68
0	2.47E-01	0.37
0	9.25E-01	1.05
0	3.16E-01	1.74
0	2.63E-01	1.94
118	2.45E-01	0.89
0	6.89E-02	2.55
0	3.14E-01	0.27
0	7.16E-01	1.19
62	2.45E-01	1.14
0	3.14E-01	3.66
1	8.85E-01	1.05
0	3.43E-01	2.27
224	1.12E-01	0.86
0	8.62E-01	1.12
0	4.85E-01	0.44
0	1.48E-02	8.17
1	9.87E-01	1.01
0	9.10E-01	1.18
0	5.54E-01	0.43
1	9.27E-01	1.03
227	1.12E-01	1.16
3	5.70E-01	1.18
4	1.02E-01	0.69
0	4.84E-01	1.33
274	9.50E-01	1.01
4	9.04E-02	0.67
0	8.64E-01	0.84
328	9.52E-01	1.01
0	3.88E-01	0.32
301	9.05E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.21E-01	0.20
0	9.02E-01	0.92
0	5.26E-01	1.74
3	2.84E-01	1.28
1	5.77E-03	2.51
0	9.56E-01	1.09
3	6.35E-01	1.12
0	7.34E-01	1.43
0	7.73E-01	1.60
1919	9.24E-01	1.11
21	3.40E-01	0.88
11	2.72E-02	1.44
73	2.60E-01	1.14
89	2.89E-01	1.12
0	5.38E-01	0.51
0	7.54E-01	0.61
0	5.38E-02	10.88
0	9.47E-01	0.91
516	1.77E-01	0.89
1273	3.79E-02	0.79
0	1.75E-01	0.20
1277	3.31E-02	0.78
0	7.51E-01	1.40
0	5.97E-02	1.73
0	1.32E-01	0.41
69	3.40E-01	0.89
0	3.29E-01	0.41
0	7.51E-01	1.40
11	6.42E-03	0.60
0	7.28E-01	1.44
0	1.96E-02	5.97
0	4.17E-01	1.66
1010	3.54E-02	0.81
0	8.17E-01	0.71
0	3.41E-01	2.97
1	7.65E-01	0.92
0	6.84E-01	1.34
0	2.42E-01	0.22
1	3.25E-02	2.01
0	6.27E-01	1.45
4	2.71E-01	0.76
0	8.52E-01	0.88
0	6.77E-01	0.64

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.22E-01	3.27
2	8.27E-01	0.95
0	2.60E-01	0.57
25	8.64E-01	1.02
0	8.68E-01	1.18
644	5.83E-02	0.84
4	2.52E-02	1.53
0	4.48E-01	2.36
22	4.06E-01	0.87
0	1.89E-01	2.04
397	4.23E-02	0.83
0	2.11E-01	0.26
0	8.67E-01	0.83
1	5.87E-01	1.41
0	3.98E-01	1.71
0	2.36E-01	1.74
1	3.27E-01	1.80
0	3.98E-01	2.30
0	3.30E-01	2.76
0	5.79E-01	1.73
1	5.21E-01	1.24
0	9.42E-01	0.89
0	6.81E-01	1.94
0	6.04E-01	1.22
0	8.02E-01	0.70
0	1.74E-01	2.78
1	4.80E-02	4.19
0	8.14E-01	0.72
98	1.73E-01	0.86
0	7.80E-01	0.73
0	5.99E-01	1.55
199	6.69E-01	0.96
0	5.59E-01	0.74
197	3.88E-01	0.92
56	6.21E-01	1.06
73	9.80E-01	1.00
0	1.99E-02	0.05
523	2.86E-01	0.91
0	2.00E-01	2.51
0	1.18E-01	3.57
0	8.45E-01	1.21
146	5.88E-01	1.06
191	1.54E-01	0.87

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.53E-01	0.37
0	8.80E-01	0.79
0	6.48E-01	0.78
0	9.76E-02	4.42
1	8.32E-01	1.06
0	1.14E-01	2.42
0	5.65E-01	2.03
386	6.77E-01	0.96
0	2.21E-01	1.83
0	8.95E-01	1.23
0	1.40E-01	2.07
343	6.26E-01	0.96
0	7.95E-01	0.93
6	2.76E-01	1.24
369	6.05E-01	0.95
1	3.07E-01	1.44
0	7.95E-01	0.93
0	1.16E-01	2.72
369	6.11E-01	0.95
33	9.62E-01	1.01
1	7.19E-01	0.79
376	6.74E-01	0.96
0	8.50E-01	0.81
100	1.89E-01	0.87
2	7.23E-01	1.11
861	7.91E-01	1.03
0	3.45E-01	1.43
0	3.54E-01	0.30
0	7.00E-01	1.89
0	2.41E-01	2.78
0	5.46E-01	0.50
0	3.22E-01	1.50
587	7.26E-01	1.03
0	7.57E-01	1.36
0	3.47E-01	2.68
0	4.81E-01	0.55
0	5.90E-01	1.34
19	6.32E-01	1.08
5	5.73E-01	1.12
0	1.65E-01	1.69
0	6.47E-01	1.69
28	8.10E-01	0.97
0	5.83E-01	1.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.34E-01	1.50
0	7.80E-01	1.33
0	1.29E-01	0.35
0	8.85E-01	0.75
0	6.98E-01	1.44
0	6.01E-01	1.60
7	2.79E-01	0.80
0	9.75E-01	1.03
10	8.62E-01	0.97
0	9.90E-01	0.98
0	7.01E-01	1.60
0	3.92E-01	1.93
0	3.85E-01	0.68
0	3.38E-01	2.80
0	9.28E-01	0.89
0	7.31E-01	1.48
0	7.04E-01	1.60
52	3.55E-01	1.12
0	1.12E-01	0.15
0	4.36E-01	0.35
0	1.44E-01	3.44
0	1.10E-01	2.88
0	7.69E-01	1.19
0	8.60E-01	0.82
0	6.99E-01	1.20
0	5.96E-01	0.60
4	8.05E-01	1.06
0	5.53E-01	0.54
0	5.59E-01	2.03
0	3.38E-01	1.47
3	2.05E-01	1.29
0	8.36E-01	1.06
6	4.90E-01	1.18
0	6.39E-01	0.63
0	9.71E-01	1.05
134	6.03E-01	1.05
0	9.83E-01	0.99
0	1.01E-01	0.34
0	7.33E-01	1.74
0	7.94E-01	0.77
67	5.06E-02	0.80
20	1.02E-01	0.79
26	8.67E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

26	8.67E-01	1.02
25	8.64E-01	1.02
0	7.33E-01	0.78
1648	2.50E-01	1.21
35	9.84E-01	1.00
0	3.63E-01	0.53
103	5.27E-01	1.07
73	1.78E-01	1.16
0	6.98E-01	0.60
0	8.46E-01	1.06
0	9.12E-01	0.94
0	2.19E-01	1.51
7	7.95E-01	1.04
0	7.65E-01	1.61
0	4.06E-01	0.70
143	9.89E-01	1.00
12	7.27E-02	0.74
18	8.12E-02	0.78
0	5.75E-01	0.46
731	2.20E-01	1.12
1921	2.85E-01	0.12
0	3.30E-01	2.76
0	3.08E-01	0.40
70	1.99E-01	1.16
0	5.76E-01	3.28
0	1.14E-01	5.39
0	9.34E-01	0.97
0	4.23E-02	7.25
0	1.96E-01	0.30
0	8.27E-01	0.77
1	5.53E-01	0.64
1	6.57E-01	0.62
11	5.55E-01	0.89
0	6.92E-01	1.44
1	7.16E-01	0.91
0	5.80E-01	0.70
0	5.32E-01	0.56
0	9.64E-01	0.94
0	5.15E-01	0.39
0	5.48E-01	2.08
1	4.65E-01	1.33
596	8.77E-01	0.99
0	3.40E-01	0.36

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.97E-01	2.34
0	9.65E-01	1.07
0	6.84E-02	0.25
0	3.89E-01	2.58
223	1.92E-01	0.88
0	2.88E-01	0.54
236	2.42E-01	0.89
0	7.54E-01	1.20
0	4.01E-01	0.53
0	4.25E-01	2.03
72	2.90E-01	0.89
0	4.81E-02	0.08
0	1.27E-01	0.71
20	7.47E-02	0.77
145	1.49E-01	0.86
156	1.13E-01	0.85
0	7.51E-01	0.88
0	9.95E-01	0.99
8	8.58E-02	1.35
8	5.60E-01	1.10
1524	8.72E-01	1.02
0	3.06E-01	2.90
117	3.33E-01	0.90
0	9.04E-01	0.89
0	6.32E-01	0.71
0	6.89E-01	1.40
1	6.41E-01	1.55
0	6.30E-01	0.50
0	5.27E-01	1.44
0	1.75E-01	4.51
0	3.25E-01	1.32
3	1.22E-01	1.45
0	7.82E-01	1.23
0	9.96E-01	1.01
0	1.72E-01	0.64
0	8.15E-01	1.09
0	4.64E-01	1.37
0	1.38E-01	0.62
0	5.90E-01	1.79
0	4.03E-01	0.40
0	6.58E-01	0.73
1	9.78E-01	1.03
0	8.89E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

4	4.07E-01	0.82
0	9.51E-02	4.60
0	5.13E-01	1.25
0	8.00E-01	0.85
0	2.54E-02	0.17
1	9.42E-01	0.97
0	5.72E-01	0.74
194	4.96E-01	0.94
447	3.73E-01	0.92
42	4.78E-01	1.09
2	9.48E-01	1.02
2	7.18E-01	0.91
446	4.51E-01	0.93
0	8.48E-01	1.17
7	9.39E-02	0.71
447	4.03E-01	0.93
0	6.21E-01	1.60
0	2.89E-01	2.45
0	9.06E-01	1.12
0	2.97E-01	2.27
3	9.02E-01	1.04
47	1.20E-01	0.82
47	1.38E-01	0.83
0	5.01E-01	0.54
0	1.81E-02	2.33
122	4.22E-01	1.09
238	4.02E-01	1.08
0	3.08E-01	3.49
0	5.41E-01	1.29
118	7.11E-01	1.04
0	8.95E-01	1.18
0	1.99E-01	0.68
66	4.53E-01	1.09
213	3.89E-01	0.92
0	8.44E-01	1.08
1025	3.40E-01	0.91
0	7.03E-01	1.58
0	7.44E-01	0.75
40	9.14E-02	0.80
1122	5.39E-01	0.94
0	3.24E-01	1.96
0	1.34E-01	1.57
0	8.40E-02	0.25

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.61E-01	2.06
1	2.92E-01	1.72
0	7.01E-01	0.66
0	3.30E-01	2.99
81	2.01E-01	0.86
3	7.82E-01	1.06
0	2.57E-01	1.82
7	2.92E-01	0.83
0	6.75E-01	1.52
0	6.24E-01	0.59
0	2.06E-01	4.88
1896	9.78E-01	0.99
1146	7.44E-01	1.04
42	5.46E-01	1.08
1	9.96E-01	1.00
0	6.27E-01	1.15
0	9.89E-01	1.01
0	7.95E-01	1.22
0	8.75E-01	0.88
0	6.65E-01	0.69
0	2.24E-01	0.59
0	4.25E-01	0.33
0	9.60E-01	0.93
0	9.60E-02	3.80
0	2.16E-01	0.68
0	5.59E-01	1.92
12	4.94E-01	1.12
25	2.85E-01	0.85
11	3.44E-01	1.16
0	4.55E-01	2.25
0	3.67E-01	2.12
472	8.87E-01	0.99
11	4.71E-01	1.12
0	2.11E-01	2.72
0	4.74E-02	3.86
0	6.51E-01	0.70
8	3.11E-01	1.25
0	6.40E-01	0.60
11	4.81E-01	1.12
0	5.07E-01	0.39
445	8.50E-01	0.98
0	9.54E-01	1.05
0	4.62E-02	0.06

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.62E-02	0.06
13	4.26E-01	1.13
0	6.88E-01	1.24
0	2.21E-01	3.34
0	3.83E-01	0.46
1922	1.00E+00	0.97
1921	5.50E-01	2.51
0	4.55E-02	0.09
19	6.57E-01	1.07
0	7.21E-01	0.57
1	2.63E-01	2.85
0	7.22E-01	0.67
0	1.94E-01	0.31
0	7.56E-02	9.44
0	9.25E-01	0.91
0	7.62E-01	0.75
0	9.13E-01	0.93
60	4.63E-01	0.92
0	4.17E-01	0.52
8	2.97E-01	0.81
0	1.37E-01	2.20
1	5.26E-01	1.26
0	5.03E-01	0.40
1	4.40E-01	0.68
176	5.59E-01	1.06
0	4.20E-01	1.77
0	8.66E-01	0.85
0	5.84E-01	0.47
3	9.41E-03	1.83
0	4.70E-01	0.39
2	5.74E-03	1.97
1922	1.00E+00	0.97
0	2.77E-01	0.26
0	3.08E-01	1.52
4	5.81E-03	1.76
1	4.72E-01	1.36
0	6.38E-01	1.59
0	3.23E-01	1.63
0	7.44E-01	1.52
167	1.55E-01	1.15
165	2.16E-01	1.13
1	8.29E-01	0.95
0	5.83E-01	0.46

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	2.31E-01	0.55
0	2.74E-01	0.38
0	9.41E-01	1.11
2	9.63E-01	0.99
707	5.25E-01	1.06
0	4.99E-01	0.65
0	6.77E-01	0.63
1167	6.34E-01	1.05
0	7.44E-01	1.39
517	5.73E-02	1.19
323	1.62E-01	0.88
0	3.38E-01	0.61
0	7.00E-01	2.54
0	7.81E-02	4.66
0	8.98E-01	1.22
924	7.20E-01	1.04
736	7.97E-03	1.28
0	9.46E-01	0.95
0	1.90E-02	2.21
92	1.20E-01	1.18
9	4.79E-01	0.87
11	6.33E-03	1.60
0	8.54E-01	1.33
0	8.68E-01	1.19
0	4.51E-01	1.76
1	9.62E-01	1.02
0	5.12E-02	2.13
3	6.12E-01	1.14
0	9.62E-01	1.05
3	6.41E-01	1.12
0	9.35E-01	1.03
211	5.53E-01	0.94
0	7.09E-01	0.58
3	4.50E-02	1.59
53	1.55E-01	1.18
0	1.16E-01	0.40
53	1.87E-01	1.17
41	4.87E-01	1.09
41	4.87E-01	1.09
0	8.52E-01	1.34
19	6.76E-02	0.74
0	3.69E-01	2.55
1	8.43E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.72E-01	0.96
1	9.44E-01	1.02
0	6.53E-01	1.44
0	1.23E-01	0.19
0	1.65E-01	3.07
5	1.20E-01	1.40
3	5.52E-01	0.86
11	7.69E-02	1.36
0	7.75E-01	0.76
1281	1.94E-01	0.86
1	4.94E-01	1.28
1	5.60E-01	1.25
76	8.69E-01	1.02
1922	1.00E+00	0.97
1287	1.83E-01	0.86
0	5.94E-01	0.47
0	5.92E-01	1.37
1099	1.61E-01	1.16
5	1.37E-01	1.38
0	6.38E-01	1.43
0	7.66E-01	1.11
68	2.01E-01	1.16
1099	1.74E-01	1.15
317	3.51E-01	1.09
0	5.26E-01	0.39
0	2.41E-01	3.00
0	8.88E-01	1.23
0	7.29E-01	0.61
1	6.35E-01	1.17
1098	1.51E-01	1.16
0	3.19E-02	2.31
5	1.55E-01	1.36
0	8.70E-01	1.05
0	3.25E-01	2.78
0	4.19E-01	1.33
1	1.85E-01	0.65
0	7.83E-01	1.53
12	5.41E-01	0.90
0	3.87E-01	0.33
0	8.67E-01	1.12
0	1.47E-01	2.65
0	9.06E-01	1.20
0	8.28E-01	0.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	9.47E-01	1.02
56	3.16E-01	0.89
58	3.76E-01	0.90
0	8.55E-01	1.33
0	3.87E-01	0.33
2	8.81E-01	1.05
0	2.54E-01	3.31
1	6.97E-01	1.19
1	8.73E-01	0.94
0	1.68E-01	4.94
1	2.73E-01	0.76
0	3.57E-01	0.76
0	4.56E-01	0.37
0	6.35E-01	1.23
1	7.11E-01	0.86
0	3.79E-01	0.35
2	7.45E-01	0.90
0	3.82E-01	2.32
0	4.69E-01	1.44
2	9.44E-01	1.02
0	9.56E-01	0.96
8	6.42E-01	1.10
0	6.04E-01	0.47
0	8.42E-01	1.14
2	6.03E-01	1.14
13	4.19E-01	0.87
1	3.50E-01	2.38
0	3.58E-01	0.37
0	7.29E-01	0.61
0	5.19E-01	0.53
0	1.21E-01	3.38
0	4.07E-01	1.32
1	4.31E-02	1.94
0	5.19E-01	0.53
0	2.64E-01	2.32
0	7.66E-02	3.35
1	8.61E-01	1.07
0	8.43E-01	1.21
0	8.19E-01	1.14
0	9.46E-01	0.94
0	2.15E-01	2.85
0	5.74E-01	1.60
0	6.46E-01	1.27

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.33E-01	1.29
69	2.73E-02	0.77
11	6.70E-01	1.08
0	1.76E-02	8.78
19	7.71E-02	1.30
629	2.24E-01	0.90
30	8.37E-01	0.97
0	9.10E-01	0.94
0	8.23E-01	0.89
0	9.11E-01	0.90
0	2.55E-01	3.60
0	3.99E-01	2.37
0	6.97E-01	1.53
0	8.17E-01	1.26
1	5.13E-01	0.80
2	4.64E-01	0.80
0	9.60E-01	1.02
0	7.33E-01	1.39
0	8.28E-01	0.73
75	9.16E-01	1.01
0	9.01E-01	0.83
0	2.88E-01	2.76
0	6.10E-01	1.68
0	2.52E-01	1.62
0	9.91E-01	0.99
10	4.05E-01	0.85
2	7.62E-01	0.93
7	8.20E-01	0.96
25	9.06E-01	1.02
0	7.74E-01	1.37
0	9.91E-01	1.00
384	4.44E-02	1.20
0	9.19E-01	0.91
10	2.49E-02	1.47
50	7.96E-01	1.03
0	6.71E-01	0.75
0	3.48E-01	2.52
0	1.31E-01	2.71
0	7.17E-01	1.27
0	2.86E-01	0.25
0	7.91E-01	1.20
0	9.76E-01	1.03
32	2.84E-01	1.15

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

8	2.71E-02	0.60
901	2.44E-01	1.12
898	1.96E-01	1.13
0	8.99E-02	0.26
871	4.61E-01	1.07
0	8.28E-01	0.73
0	2.13E-01	4.33
0	4.63E-01	0.42
0	2.78E-01	2.55
83	8.98E-01	0.99
4	4.85E-01	1.17
88	9.64E-01	1.00
0	4.37E-01	0.36
8	2.66E-01	1.32
0	4.66E-01	1.39
259	4.66E-01	0.93
0	6.50E-01	1.57
0	8.36E-01	0.78
2	4.71E-01	1.24
0	1.06E-01	6.33
0	1.36E-01	5.96
0	5.27E-01	1.72
0	1.00E-01	1.97
0	7.75E-01	0.82
0	1.20E-01	4.10
0	6.96E-01	1.52
0	6.97E-01	1.29
0	7.16E-01	1.10
0	8.57E-01	0.91
1	9.14E-01	1.05
1	9.14E-01	1.05
0	6.74E-01	1.29
0	9.42E-01	0.93
0	9.49E-01	0.91
0	9.51E-01	0.94
1	1.51E-01	0.54
0	3.70E-02	0.17
0	9.83E-01	0.98
0	5.44E-01	1.76
1	1.70E-01	0.42
0	6.92E-01	0.68
0	4.75E-01	2.20
0	4.76E-01	2.11

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.69E-01	3.14
0	6.93E-01	1.26
1	2.12E-01	0.60
18	1.49E-01	0.80
1712	4.86E-01	1.14
0	2.24E-01	2.28
76	5.12E-01	0.93
0	3.65E-01	2.39
328	9.11E-01	1.01
532	7.20E-01	1.03
0	6.99E-02	3.60
1	8.79E-01	0.92
0	3.89E-01	0.44
524	4.96E-01	1.06
0	3.37E-02	0.06
0	1.77E-01	0.48
0	7.32E-02	6.51
1	8.64E-01	0.92
0	2.58E-01	0.32
539	9.15E-01	1.01
1	5.26E-01	0.79
0	1.19E-01	3.34
0	9.70E-01	1.06
0	6.89E-01	1.90
0	9.32E-01	1.13
1	9.48E-01	0.97
0	9.23E-01	1.10
1	9.77E-01	0.99
473	2.45E-01	0.90
1	9.46E-01	0.98
1	1.80E-01	0.43
9	9.50E-01	1.01
0	1.09E-01	0.12
1002	3.79E-01	0.92
0	9.41E-01	1.07
0	7.90E-02	1.79
4	8.41E-01	1.05
504	8.75E-01	0.99
5	3.26E-01	0.75
0	7.05E-01	1.22
5	2.05E-01	1.27
0	6.82E-01	0.53
0	5.68E-02	2.92

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.97E-01	1.15
79	4.50E-01	1.09
1	7.25E-01	1.07
1	9.82E-01	0.99
0	7.59E-01	1.47
0	7.59E-01	1.47
0	2.86E-01	0.67
10	1.93E-01	1.25
0	7.29E-01	0.75
0	6.25E-01	0.74
0	2.46E-01	1.41
0	4.65E-01	0.36
905	5.39E-01	1.06
0	3.68E-02	0.39
0	5.91E-01	1.67
0	6.63E-01	1.47
752	2.95E-01	0.91
0	1.24E-01	3.61
0	2.62E-01	3.17
1	3.06E-01	1.34
285	2.87E-01	1.10
0	2.33E-01	3.08
302	3.11E-01	1.10
0	8.15E-01	0.70
0	8.15E-01	0.93
0	8.21E-01	0.93
1052	6.68E-01	0.96
1080	7.32E-01	0.97
0	5.94E-01	1.36
0	2.72E-01	4.60
1	1.10E-01	0.54
401	8.59E-01	1.02
0	5.81E-01	0.65
3	7.27E-01	1.08
0	8.44E-01	0.73
0	5.80E-02	4.62
341	5.09E-01	0.94
4	3.75E-01	1.22
0	9.23E-02	3.59
0	5.81E-01	0.65
0	4.09E-01	0.48
0	9.79E-01	1.02
0	7.81E-01	1.32

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.55E-01	0.58
0	8.12E-01	1.46
13	1.50E-01	1.23
1	1.26E-01	1.79
0	7.24E-01	1.82
0	2.07E-01	3.35
0	5.69E-01	1.73
0	9.84E-01	1.01
0	3.96E-01	0.43
4	2.76E-01	1.21
0	9.98E-01	1.00
0	9.05E-01	1.04
0	7.70E-01	1.19
0	9.01E-01	1.06
0	5.42E-01	0.52
0	3.25E-01	0.56
0	5.33E-01	1.73
0	9.22E-01	1.06
0	9.21E-01	0.91
0	4.07E-01	1.69
0	9.30E-01	0.89
0	7.70E-01	1.20
0	4.45E-01	3.60
14	2.58E-02	1.38
882	2.72E-01	1.11
36	2.99E-02	1.33
0	4.73E-01	0.47
0	8.44E-01	0.84
0	6.80E-02	5.63
1	6.18E-01	0.84
1	9.44E-01	0.96
0	4.34E-01	0.61
1	9.13E-01	1.05
1922	8.54E-01	0.74
0	6.79E-01	0.64
758	7.65E-01	1.03
0	7.43E-01	1.22
5	4.39E-01	1.18
0	6.30E-01	0.57
0	4.81E-01	1.61
0	3.16E-01	1.38
0	1.79E-01	4.18
0	2.39E-02	4.73

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.44E-02	4.70
5	6.16E-02	0.66
0	6.54E-01	0.58
38	4.12E-01	1.11
0	9.05E-01	0.92
38	8.18E-01	1.03
0	2.67E-01	0.55
48	2.39E-01	1.15
0	8.51E-01	0.87
0	9.78E-02	7.44
0	3.82E-01	1.29
0	5.61E-01	1.81
0	6.61E-01	0.53
0	4.36E-01	1.78
694	1.02E-02	0.79
293	4.27E-01	1.07
1375	3.13E-01	1.13
72	3.69E-01	1.10
1079	1.48E-01	1.16
294	4.87E-01	1.06
0	4.90E-01	0.44
2	7.36E-02	1.40
468	7.75E-01	0.97
487	6.56E-01	0.96
471	7.26E-01	0.97
486	6.67E-01	0.96
0	4.64E-01	0.53
474	7.22E-01	0.97
0	5.81E-01	0.62
0	5.45E-01	1.94
1	6.98E-02	0.54
1917	6.34E-01	0.54
1800	2.44E-01	1.36
1918	6.35E-01	0.54
0	8.06E-01	1.13
0	1.98E-01	3.48
0	1.98E-01	3.48
1514	1.73E-01	0.83
1888	6.66E-01	0.83
0	8.04E-01	1.21
0	7.43E-01	1.64
0	1.42E-01	1.85
46	6.90E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.97E-01	0.44
783	7.38E-01	1.03
0	5.68E-01	1.38
0	9.90E-01	1.02
0	2.04E-01	0.53
0	4.20E-01	1.94
1	1.82E-01	0.35
0	4.42E-01	2.16
803	5.01E-01	1.07
0	8.79E-01	0.79
0	9.92E-02	2.71
0	1.82E-01	0.29
1420	4.68E-02	1.31
1420	7.12E-02	1.27
0	1.84E-01	3.88
1275	6.47E-01	1.06
0	2.52E-01	2.46
1	5.86E-01	1.13
0	3.20E-01	0.45
0	5.14E-01	0.41
1	2.82E-01	0.53
0	9.91E-01	1.01
0	8.42E-01	0.74
0	6.34E-01	1.27
0	6.31E-01	1.27
0	6.34E-01	1.27
0	7.56E-01	1.44
0	6.96E-01	0.59
0	6.35E-01	1.85
0	1.55E-01	5.14
0	3.16E-01	0.38
895	5.28E-01	0.94
0	2.93E-01	1.47
0	6.00E-01	1.68
575	4.95E-01	0.94
0	1.09E-01	0.27
0	9.42E-01	0.95
0	1.63E-01	3.67
41	9.41E-01	0.99
788	2.61E-01	0.90
788	2.59E-01	0.90
904	5.75E-01	0.95
746	2.85E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.18E-02	10.15
0	4.18E-02	10.15
0	8.45E-01	1.32
2	6.88E-01	1.10
0	4.60E-01	0.55
218	8.34E-01	0.98
0	1.51E-01	4.58
26	7.44E-01	0.95
3	3.61E-01	0.75
1549	9.33E-01	0.99
0	4.65E-01	0.74
0	4.54E-01	0.73
0	3.05E-01	0.65
0	4.91E-01	0.39
364	7.69E-01	1.03
0	5.23E-01	1.86
378	9.08E-01	1.01
471	9.73E-01	1.00
1922	1.00E+00	0.97
0	3.98E-01	0.39
89	7.09E-01	0.96
5	3.88E-01	0.85
726	4.60E-01	0.94
0	6.28E-01	0.66
11	1.23E-01	1.26
0	5.31E-01	0.44
3	4.46E-01	0.86
0	5.10E-01	1.77
1	5.54E-01	1.19
0	3.16E-01	0.40
0	2.96E-01	2.39
3	4.96E-01	1.16
0	4.46E-01	1.36
0	2.58E-01	0.27
3	3.29E-01	0.79
0	9.78E-01	0.98
4	1.34E-01	0.71
0	1.65E-01	0.15
0	8.60E-01	0.76
3	3.13E-01	0.78
0	7.31E-01	1.74
4	1.23E-01	0.69
162	2.56E-01	1.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.71E-01	3.33
0	8.07E-01	1.30
8	4.33E-05	1.89
462	4.68E-02	1.19
0	4.29E-01	1.65
222	8.46E-02	1.18
0	1.58E-01	3.22
1922	1.00E+00	0.97
0	9.05E-01	0.92
14	6.44E-01	0.93
0	4.26E-01	1.96
0	9.74E-01	1.01
3	2.07E-01	0.73
0	2.84E-01	2.06
0	2.55E-01	3.71
0	6.71E-01	0.69
0	7.38E-01	0.70
0	9.64E-01	0.95
0	8.74E-02	2.08
0	9.38E-01	1.03
0	1.48E-01	0.29
272	6.31E-01	0.96
0	2.11E-01	0.29
0	6.34E-01	1.55
35	6.97E-01	0.95
0	3.93E-01	0.31
35	6.88E-01	0.95
0	6.84E-01	1.45
0	7.08E-01	0.83
0	1.93E-01	0.59
0	1.49E-01	4.33
0	1.75E-01	0.34
28	9.96E-01	1.00
31	9.77E-01	1.00
0	2.85E-01	0.26
0	7.08E-01	1.44
0	2.61E-01	3.30
86	6.69E-01	1.05
0	7.13E-01	0.65
0	7.04E-01	1.47
0	1.61E-01	1.80
0	4.05E-01	2.15
0	7.80E-01	0.79

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

26	6.43E-01	0.94
252	2.90E-01	0.90
0	4.06E-03	2.66
0	2.26E-01	0.15
34	6.27E-01	1.07
0	3.05E-01	2.21
0	3.82E-01	1.74
0	4.31E-01	2.33
0	7.36E-01	1.50
0	3.22E-01	0.35
1	3.61E-01	0.69
0	8.20E-01	1.28
0	2.39E-01	2.98
0	5.53E-01	0.43
1079	4.67E-01	0.93
3	3.78E-01	1.35
0	4.73E-01	0.37
59	7.17E-02	0.81
0	5.00E-01	1.94
0	6.34E-01	0.53
0	7.36E-01	0.84
0	8.95E-01	0.92
11	8.56E-01	0.97
80	3.60E-01	0.90
0	5.11E-01	1.53
4	3.09E-01	0.79
1	8.66E-01	1.05
1	4.88E-01	1.47
1	6.86E-01	1.14
12	9.67E-01	0.99
36	9.29E-01	0.99
0	8.09E-01	0.76
0	9.40E-01	1.06
0	8.63E-01	1.09
0	8.16E-01	1.43
0	2.08E-01	0.16
0	4.40E-01	3.02
140	1.55E-01	1.16
0	4.07E-01	1.38
0	7.93E-01	0.78
0	7.20E-01	0.72
0	1.44E-01	0.26
0	5.42E-01	0.52

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.71E-01	0.95
0	7.04E-01	0.61
1	4.42E-01	0.73
0	2.00E-01	4.28
0	3.08E-01	2.94
0	9.94E-01	1.01
1	6.38E-01	0.86
0	5.81E-02	0.11
0	7.81E-01	0.83
0	8.24E-01	1.19
24	6.88E-01	1.06
0	7.10E-01	0.66
375	4.30E-01	0.93
0	3.25E-01	0.38
1861	6.24E-01	1.17
12	5.10E-02	1.39
1	8.72E-01	0.96
0	1.36E-01	0.65
0	6.17E-01	1.52
0	2.28E-01	0.44
0	2.11E-02	0.16
0	6.44E-02	0.36
0	9.36E-02	0.16
0	1.23E-01	3.81
0	8.84E-01	0.89
0	5.12E-01	0.46
0	1.18E-01	0.08
0	7.66E-01	1.31
0	3.30E-01	1.90
1	1.46E-01	1.55
0	7.34E-01	0.69
0	5.17E-01	1.96
149	1.12E-02	0.77
0	3.51E-01	0.53
0	6.01E-02	0.08
0	7.53E-01	0.84
0	3.92E-01	1.32
0	4.56E-01	0.52
0	6.52E-01	0.62
0	6.96E-01	1.52
0	8.73E-01	0.79
75	5.00E-01	1.08
45	8.79E-01	0.98

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

7	3.72E-02	1.45
1	9.94E-01	1.00
607	4.87E-01	1.06
304	9.48E-01	1.01
0	1.23E-01	5.57
0	1.79E-01	3.42
21	8.35E-01	0.97
1	9.19E-01	1.03
0	2.53E-01	2.97
248	8.55E-01	1.02
86	7.97E-01	0.97
1	2.15E-01	0.57
0	6.07E-01	1.71
0	8.13E-01	0.73
3	9.04E-01	1.02
0	7.83E-01	0.71
0	4.34E-01	1.27
0	9.47E-01	1.06
0	4.02E-01	0.46
0	8.44E-01	0.83
0	5.39E-01	0.42
1	6.20E-01	1.16
0	1.90E-01	0.35
0	9.35E-01	0.93
0	5.64E-02	6.42
0	1.90E-01	0.35
0	1.90E-01	0.35
9	8.19E-02	1.37
175	3.54E-01	1.10
0	3.42E-01	0.28
0	2.78E-01	0.25
1	7.89E-01	0.92
0	1.00E-01	2.80
1	7.85E-01	0.94
0	7.16E-02	6.74
0	9.51E-01	1.08
3	6.12E-01	1.13
3	7.56E-01	0.92
0	1.14E-01	2.00
0	8.17E-01	1.25
2	4.91E-01	1.16
2	5.80E-01	0.75
0	2.83E-01	0.54

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.65E-01	1.24
0	1.94E-01	2.99
2	5.21E-02	1.52
0	4.38E-01	0.35
37	4.85E-01	0.91
0	2.82E-01	0.54
0	6.85E-01	0.56
2	2.37E-01	0.56
1	4.70E-01	0.81
0	3.82E-01	2.59
0	6.66E-01	0.55
0	6.83E-01	1.25
0	9.95E-01	0.99
0	1.69E-01	0.41
0	9.29E-01	0.92
0	9.43E-01	0.90
133	8.78E-01	0.98
0	1.68E-01	0.49
0	6.55E-01	2.62
0	5.74E-01	1.44
2	4.88E-01	0.80
1	2.40E-01	0.59
0	8.99E-01	1.13
471	9.95E-02	1.16
2	1.22E-01	1.81
0	9.44E-01	1.11
0	1.49E-01	0.26
396	2.53E-02	0.81
0	8.53E-01	1.29
1	2.57E-01	0.67
777	1.58E-02	0.80
87	9.21E-01	1.01
0	7.71E-01	1.59
4	5.93E-01	0.89
0	3.87E-02	0.08
110	6.15E-01	1.06
0	5.30E-01	0.62
1	1.49E-01	0.42
1	9.65E-01	0.98
1	8.55E-01	0.92
0	3.41E-01	1.63
153	6.90E-01	1.04
0	8.22E-01	0.89

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

52	2.73E-01	0.87
0	7.56E-01	0.71
49	4.32E-01	0.90
231	6.69E-01	0.96
50	4.65E-01	1.09
209	7.31E-01	0.97
0	1.03E-01	7.07
46	3.06E-01	1.13
142	6.74E-01	1.04
35	9.48E-01	1.01
0	2.50E-01	3.66
35	9.93E-01	1.00
0	2.33E-01	1.38
0	1.90E-01	4.22
0	3.83E-01	2.31
0	1.39E-01	2.07
0	4.57E-01	0.48
37	9.62E-01	1.01
8	7.84E-01	0.95
51	7.11E-01	0.96
9	8.93E-01	1.02
13	4.28E-01	0.87
0	5.39E-01	0.43
0	8.79E-01	0.86
0	6.40E-01	0.51
0	6.74E-01	0.77
14	1.17E-02	1.46
0	3.00E-01	3.52
14	1.10E-02	1.46
0	2.50E-01	3.57
0	9.41E-01	0.93
1246	6.23E-01	0.95
0	2.88E-01	0.42
0	2.32E-01	0.16
0	7.46E-01	0.65
0	8.22E-01	1.10
360	5.23E-01	0.94
401	2.86E-01	0.91
1	9.78E-01	0.99
1	1.50E-01	1.62
0	6.00E-01	1.48
0	3.79E-01	2.51
0	1.47E-01	0.25

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.13E-01	0.77
0	1.46E-01	0.11
0	7.34E-01	0.80
0	3.62E-01	2.27
0	6.68E-01	0.55
177	9.97E-01	1.00
0	6.70E-01	1.56
123	2.66E-01	0.89
124	1.44E-01	0.86
0	2.30E-01	3.76
0	9.83E-01	1.02
512	6.69E-01	1.04
0	2.86E-01	3.51
207	5.08E-01	1.06
0	1.07E-01	4.36
1138	7.89E-01	0.97
1126	9.85E-01	1.00
1126	9.59E-01	0.99
2	5.63E-01	0.83
0	7.95E-01	0.77
973	8.37E-01	0.98
0	3.30E-01	3.16
0	2.27E-01	2.02
0	4.87E-01	0.54
0	2.63E-01	0.36
0	4.08E-01	2.16
0	8.89E-01	1.14
0	6.10E-01	0.55
0	3.37E-01	1.60
0	2.15E-01	0.38
0	6.50E-02	3.32
14	9.12E-01	0.98
1	4.02E-01	0.71
1	7.57E-01	0.85
51	6.22E-01	0.94
0	9.49E-01	1.08
0	7.76E-01	0.67
0	9.32E-01	1.08
0	1.44E-01	4.02
0	1.32E-01	2.23
0	4.86E-01	0.39
5	3.70E-01	1.17
213	1.09E-01	0.86

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.57E-01	1.87
0	5.23E-01	1.50
0	7.39E-01	0.87
0	4.92E-01	1.61
0	6.50E-01	0.73
0	6.08E-01	1.42
6	3.84E-01	0.84
0	9.59E-01	0.96
6	2.10E-01	0.77
21	3.84E-01	0.87
21	3.95E-01	0.88
21	3.96E-01	0.88
2	8.34E-01	1.06
3	3.14E-01	0.74
0	5.54E-01	0.71
0	5.14E-01	1.38
27	8.04E-01	0.96
0	2.50E-01	2.11
0	3.08E-01	4.24
0	9.90E-01	0.99
1922	1.00E+00	0.97
0	4.61E-01	1.62
0	4.25E-01	1.93
0	5.56E-01	1.86
0	3.48E-01	2.31
0	4.95E-01	0.62
0	4.39E-01	2.16
0	9.22E-01	0.93
0	6.45E-01	0.73
0	8.12E-01	0.71
0	3.38E-01	2.53
0	3.24E-01	2.64
0	8.82E-01	0.85
0	9.87E-01	1.01
0	3.95E-01	2.39
0	4.98E-01	3.24
0	6.16E-01	1.74
1	7.39E-01	1.17
0	8.96E-01	1.09
1	5.42E-01	0.84
206	4.37E-01	0.93
207	4.12E-01	0.92
0	3.20E-01	0.52

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.79E-01	1.65
0	2.39E-01	3.60
14	9.46E-01	0.99
0	6.92E-01	1.36
0	5.03E-01	0.41
0	9.94E-01	1.01
0	2.65E-01	3.60
2	4.11E-01	1.19
3	9.57E-01	1.01
2	1.51E-01	0.72
2	1.26E-01	0.70
1	1.31E-01	1.82
1	8.86E-01	0.95
0	9.58E-01	0.96
97	9.10E-01	0.99
2	8.08E-02	0.66
1	6.19E-01	0.80
0	1.64E-01	2.34
0	6.95E-01	1.40
74	5.31E-01	0.93
0	6.47E-01	0.61
0	4.94E-01	1.74
0	2.32E-01	0.61
1	1.70E-01	0.66
0	3.99E-01	1.69
1	9.66E-01	0.99
0	9.33E-01	1.05
1	4.98E-01	0.85
0	1.45E-01	0.29
0	9.61E-01	0.97
0	9.61E-01	0.97
0	9.61E-01	0.97
2	5.56E-01	1.16
122	1.03E-01	1.18
122	1.03E-01	1.18
0	5.44E-01	1.30
123	8.08E-02	1.19
0	2.50E-04	6.35
119	8.67E-02	1.19
862	6.37E-01	1.05
1	3.56E-01	0.79
0	6.56E-01	1.38
0	2.28E-02	8.57

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.84E-01	1.57
1	4.29E-01	1.23
19	5.51E-01	0.91
6	7.14E-01	0.94
0	6.07E-01	0.70
114	8.05E-01	1.03
0	6.58E-01	0.62
0	7.84E-01	0.81
8	7.73E-02	1.35
0	7.17E-01	0.77
1921	1.41E-01	9.24
1	3.84E-01	1.38
0	6.68E-01	0.76
0	2.31E-01	0.16
1565	7.28E-01	0.95
1	2.07E-01	0.61
578	4.89E-01	1.06
0	3.35E-01	0.27
770	8.95E-01	0.99
12	8.75E-01	0.97
1	4.35E-01	0.81
14	9.99E-01	1.00
18	7.00E-01	1.06
667	4.08E-01	1.08
0	8.39E-02	7.99
3	8.35E-01	1.05
0	7.12E-01	0.86
0	9.87E-01	1.01
0	6.95E-01	1.38
299	8.34E-01	0.98
1	7.20E-01	1.14
611	3.55E-01	0.92
0	4.29E-01	0.33
0	6.75E-01	1.40
0	8.82E-01	0.87
0	9.54E-01	1.09
85	6.07E-01	0.94
2	9.91E-01	1.00
0	6.44E-01	0.50
0	9.24E-02	3.33
0	5.77E-01	1.50
0	6.87E-01	1.46
0	9.98E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.09E-01	1.40
709	4.94E-01	0.94
587	4.24E-01	1.07
0	7.65E-01	0.78
3	6.22E-01	0.91
0	4.69E-01	0.60
14	9.79E-01	1.00
0	7.01E-01	0.77
1	2.82E-01	2.02
0	8.36E-01	0.87
0	9.87E-01	0.97
0	3.15E-01	0.33
0	5.89E-02	4.64
0	3.13E-01	2.51
0	6.64E-01	1.21
0	6.41E-01	1.23
34	7.58E-01	1.04
0	3.48E-01	2.89
0	8.20E-01	0.86
10	6.82E-01	0.93
121	7.63E-01	1.03
1153	1.50E-01	1.17
3	4.06E-01	1.25
0	1.72E-01	2.62
0	4.32E-01	1.65
525	8.96E-01	0.99
1	2.58E-01	0.64
1387	4.98E-02	0.79
806	2.60E-01	0.90
0	3.04E-01	0.72
1	3.52E-01	1.40
65	8.77E-01	1.02
25	1.72E-01	0.82
12	1.50E-01	0.77
670	9.42E-01	0.99
0	4.46E-01	1.64
3	7.05E-01	1.11
0	5.17E-01	1.26
0	8.12E-01	1.48
0	2.93E-03	0.12
27	2.18E-01	0.83
0	9.34E-01	0.92
0	3.90E-01	4.25

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

5	6.97E-01	0.93
0	2.86E-01	2.99
0	8.27E-01	0.86
0	1.64E-01	0.27
0	6.02E-01	0.49
0	4.47E-01	0.35
1216	1.40E-01	1.18
0	1.40E-01	0.37
236	8.21E-01	1.02
0	8.38E-01	1.27
1133	4.84E-01	1.08
0	5.37E-01	0.72
1	3.39E-01	0.73
1	3.19E-01	0.72
1	3.19E-01	0.72
1	3.13E-01	0.72
1	2.57E-01	0.68
320	8.40E-01	1.02
1	2.56E-01	0.59
1	2.84E-01	0.61
1	4.24E-01	0.73
0	1.12E-01	0.14
2	4.46E-01	0.81
37	6.32E-01	0.94
0	8.99E-01	0.83
0	8.42E-01	1.14
0	8.98E-01	1.14
59	3.37E-01	0.89
0	1.08E-01	4.17
169	7.99E-01	1.03
0	6.80E-01	0.77
170	8.68E-01	1.02
154	5.25E-01	1.07
0	8.16E-01	1.24
11	1.75E-01	1.31
0	8.99E-01	1.07
155	5.01E-01	1.07
0	7.00E-01	1.26
1	7.22E-02	2.11
0	1.55E-01	0.11
0	5.77E-01	1.56
33	9.93E-02	1.25
0	3.97E-01	0.31

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

20	2.68E-01	0.85
0	4.53E-01	0.36
5	8.29E-01	1.05
134	6.61E-01	1.05
0	4.18E-01	2.21
0	4.18E-01	2.21
0	4.18E-01	2.21
1	4.33E-01	0.78
1020	9.87E-01	1.00
69	4.23E-01	0.91
1497	9.85E-01	1.00
1495	9.64E-01	1.01
1	7.01E-01	1.32
0	4.07E-02	7.19
0	1.61E-01	0.15
286	8.20E-01	0.98
37	6.73E-01	1.06
287	8.51E-01	0.98
0	5.16E-01	0.62
0	9.80E-01	0.98
1	1.41E-01	1.72
1803	1.22E-01	1.52
0	7.57E-01	1.36
1803	1.22E-01	1.52
0	5.08E-01	0.42
1817	1.29E-01	1.55
1817	1.29E-01	1.55
0	8.32E-01	1.41
103	7.25E-02	1.21
0	2.11E-01	0.39
21	2.86E-01	0.85
0	6.96E-01	1.16
701	1.49E-01	0.88
0	1.08E-01	0.08
1	5.57E-01	0.79
0	4.48E-01	2.52
0	2.49E-01	1.44
304	8.81E-01	0.99
0	8.94E-01	0.87
0	8.48E-01	1.08
0	7.05E-01	1.22
0	9.56E-02	2.41
43	9.03E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

433	1.30E-01	1.15
433	1.30E-01	1.15
0	6.41E-01	0.69
896	6.08E-01	1.05
0	1.75E-01	0.37
707	2.97E-01	1.10
0	7.50E-01	0.81
0	6.68E-01	2.05
1786	5.21E-01	1.17
0	4.19E-01	0.34
709	3.12E-01	1.10
1	1.68E-01	1.43
574	1.23E-01	1.15
0	8.76E-01	1.28
0	2.69E-01	0.58
0	8.16E-01	0.80
0	3.90E-01	0.51
0	4.50E-01	2.26
3	6.49E-01	0.91
0	9.41E-01	0.93
1	4.41E-01	1.61
82	2.08E-01	1.15
0	1.81E-01	0.26
335	1.66E-01	1.14
0	9.06E-01	1.12
7	2.01E-01	0.77
5	9.95E-01	1.00
1827	7.65E-01	1.09
0	9.27E-01	1.12
10	7.82E-02	0.70
527	1.56E-01	0.88
0	9.32E-01	0.88
1	6.86E-01	1.21
0	7.02E-01	0.74
386	6.58E-02	0.84
0	1.24E-01	5.76
13	2.46E-01	0.81
0	2.68E-01	0.71
325	2.91E-02	1.22
0	5.51E-01	0.59
1	5.77E-02	2.97
1	7.62E-01	0.75
13	2.55E-01	1.24

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.75E-01	1.74
0	5.75E-01	1.74
0	8.61E-01	0.88
0	5.75E-01	1.74
1	7.61E-01	0.90
0	1.19E-02	0.17
2	8.75E-01	1.08
2	9.18E-02	0.63
0	2.85E-01	2.07
0	5.17E-02	1.72
0	2.81E-01	1.55
618	2.08E-01	1.12
616	1.80E-01	1.13
615	2.26E-01	1.12
3	5.80E-02	1.46
0	1.29E-01	0.14
20	6.55E-01	1.07
0	7.89E-01	1.16
0	8.49E-02	0.13
0	6.48E-01	1.29
10	8.43E-01	0.96
124	2.18E-01	0.88
0	7.97E-01	1.49
929	9.71E-01	1.00
0	2.77E-01	3.58
0	6.01E-01	1.55
0	9.93E-01	1.01
20	7.55E-01	0.95
17	9.53E-01	1.01
0	5.78E-02	5.73
0	3.08E-01	1.50
0	5.59E-01	0.61
73	7.28E-01	1.04
2	5.37E-01	0.82
0	7.86E-01	1.21
2	5.37E-01	0.82
0	3.13E-01	0.38
0	1.17E-01	0.47
24	8.96E-01	1.02
0	4.43E-01	2.30
0	5.81E-01	0.48
0	5.81E-01	0.48
1	2.56E-01	2.51

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.81E-01	0.58
1	9.34E-01	0.88
1	7.63E-01	1.17
0	8.83E-01	1.13
0	7.38E-01	1.41
0	5.69E-01	0.54
315	4.93E-01	1.06
0	8.96E-01	1.11
2	5.38E-01	0.82
1325	8.28E-01	1.03
1258	5.20E-01	1.07
682	9.91E-01	1.00
1262	7.85E-01	1.03
1269	6.02E-01	1.06
1310	7.19E-01	1.04
0	9.06E-01	0.89
0	5.48E-01	0.78
14	2.28E-01	0.81
14	2.28E-01	0.81
59	8.12E-01	1.03
0	5.23E-01	2.09
0	1.21E-01	0.19
2	9.80E-01	0.99
94	1.00E+00	1.00
447	3.36E-02	1.21
0	3.56E-01	0.31
0	3.33E-01	0.43
0	4.48E-01	2.99
1922	1.00E+00	0.97
2	8.71E-01	0.95
0	5.21E-01	0.54
78	1.81E-01	0.86
0	4.54E-01	1.40
0	6.80E-01	1.49
19	8.76E-01	0.98
0	1.37E-01	3.37
0	1.37E-01	3.37
0	3.88E-01	1.88
0	3.86E-01	0.31
0	7.41E-01	1.12
1920	8.46E-01	0.73
38	1.79E-01	0.84
0	6.53E-01	1.26

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.64E-01	1.27
0	8.26E-01	0.72
26	6.59E-01	0.94
0	5.58E-01	1.61
63	7.83E-01	1.03
1587	5.79E-01	1.09
0	4.81E-01	1.48
0	5.34E-01	0.55
0	9.92E-01	0.99
0	8.07E-02	6.40
0	6.33E-01	1.33
0	7.55E-01	1.64
0	4.19E-02	3.81
430	1.17E-02	0.80
0	1.71E-01	0.56
0	4.56E-01	2.09
503	1.33E-01	1.14
1	5.52E-01	0.72
0	6.29E-01	1.57
0	2.23E-01	0.37
0	8.04E-01	0.83
43	3.31E-01	0.88
0	4.51E-01	2.22
0	4.76E-01	1.24
0	8.94E-01	1.25
0	1.88E-01	0.45
0	2.22E-01	1.89
0	5.18E-01	0.39
1	7.17E-01	1.11
0	1.80E-01	0.20
0	7.00E-01	0.58
0	9.58E-01	0.92
0	3.84E-01	2.55
0	8.11E-01	0.89
8	3.19E-01	1.20
0	7.57E-01	0.84
2	8.98E-01	0.96
0	2.10E-01	1.64
0	4.12E-01	0.39
0	2.53E-02	0.37
1	5.32E-01	0.43
0	9.40E-01	1.05
1	9.56E-01	0.96

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	5.14E-01	1.20
0	6.61E-01	1.31
0	6.56E-02	5.69
0	1.05E-01	6.77
0	1.05E-01	6.77
0	5.94E-02	12.67
0	5.88E-02	12.82
0	8.73E-02	0.23
0	6.47E-01	1.21
0	2.54E-01	2.50
0	3.10E-01	0.35
0	6.02E-01	0.57
0	9.32E-01	1.07
0	7.33E-01	1.20
0	6.23E-01	0.55
0	3.85E-01	0.63
0	1.02E-02	2.72
0	8.85E-01	1.12
0	8.33E-01	0.75
1692	8.81E-01	0.97
0	6.02E-01	2.02
287	4.29E-02	0.83
0	5.90E-01	0.69
0	6.74E-01	0.79
0	6.49E-01	0.75
0	4.41E-01	2.25
4	7.21E-01	0.93
0	9.05E-01	0.87
0	1.09E-01	3.28
146	9.93E-01	1.00
0	6.69E-01	1.30
11	7.60E-01	0.95
1	3.40E-01	2.33
0	3.11E-01	2.96
3	2.40E-01	1.52
0	7.42E-01	0.76
0	4.33E-01	0.33
0	8.85E-01	0.87
0	1.50E-01	0.17
678	1.09E-01	1.16
0	3.59E-01	1.64
8	6.76E-01	0.92
675	1.22E-01	1.15

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.23E-02	0.05
0	2.42E-01	2.74
9	8.45E-01	0.96
0	4.25E-01	2.59
6	1.31E-02	1.51
0	5.81E-01	1.92
0	4.68E-01	1.91
529	3.06E-02	1.21
8	6.49E-02	0.72
598	6.80E-01	1.04
0	2.55E-01	2.84
1039	4.90E-01	1.07
0	7.03E-01	1.52
0	7.16E-01	0.70
0	5.49E-01	1.69
31	1.51E-02	0.70
0	9.43E-01	1.06
0	4.97E-01	1.38
1	2.87E-01	1.29
53	5.33E-01	1.07
138	4.36E-01	0.92
40	5.75E-01	1.07
0	9.56E-01	0.98
0	1.49E-01	3.15
251	8.16E-01	0.98
0	2.78E-02	8.62
0	1.54E-01	0.12
0	9.07E-01	1.05
1	1.99E-02	1.81
0	6.72E-01	0.81
165	4.50E-01	0.93
0	8.89E-01	1.24
0	2.10E-01	5.06
0	1.83E-01	4.37
487	3.99E-01	0.93
0	4.35E-01	2.27
443	2.30E-01	1.11
0	1.20E-01	3.65
117	2.70E-01	1.12
0	5.05E-01	1.80
0	4.86E-01	1.73
120	9.61E-01	1.01
66	4.11E-01	0.91

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.10E-01	0.61
205	1.28E-01	1.16
0	6.59E-01	1.65
242	6.42E-02	1.19
1064	9.86E-01	1.00
0	8.81E-01	1.21
0	8.81E-01	1.21
48	5.81E-01	1.07
176	5.69E-01	1.06
173	4.97E-01	1.07
0	1.18E-01	1.69
0	1.85E-01	1.64
0	1.10E-01	4.51
31	8.69E-01	0.98
0	6.79E-01	1.96
0	9.79E-01	0.98
0	3.94E-01	0.61
0	1.90E-01	0.66
0	6.23E-01	0.50
0	4.73E-01	1.20
0	1.46E-01	3.28
0	1.57E-01	2.70
0	8.91E-01	1.16
0	8.43E-01	0.72
0	6.14E-02	5.58
0	2.37E-01	0.41
0	6.07E-01	0.66
2	7.86E-02	0.59
0	1.02E-01	3.32
0	8.56E-01	1.09
0	1.60E-01	0.30
1	6.88E-01	0.88
0	6.93E-03	13.35
571	6.45E-01	0.96
0	8.19E-01	0.85
796	6.12E-01	0.95
570	4.30E-01	0.93
55	5.35E-01	1.08
19	3.90E-01	1.15
0	9.64E-01	0.98
0	9.76E-01	1.03
718	4.99E-01	1.06
717	4.61E-01	1.07

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

542	4.08E-01	0.93
0	1.15E-01	0.35
0	7.48E-01	1.36
0	7.61E-01	1.38
598	1.26E-01	0.87
0	3.62E-01	1.45
1082	3.18E-02	0.81
0	7.71E-01	0.66
0	5.05E-01	2.60
27	3.43E-01	0.87
2	8.75E-01	0.94
138	4.68E-01	0.93
1	8.45E-01	1.06
0	7.06E-01	1.21
1	1.81E-01	1.41
1857	7.92E-01	1.09
2	6.08E-01	1.14
0	5.59E-02	2.09
40	3.25E-01	0.88
1699	5.17E-01	0.89
0	3.52E-01	0.32
0	3.23E-01	2.01
0	1.67E-01	0.23
1	3.64E-01	1.92
2	7.02E-01	1.12
675	5.07E-01	1.06
145	5.53E-01	1.06
800	9.63E-01	1.00
800	9.63E-01	1.00
0	4.43E-01	0.70
0	6.98E-01	0.79
142	5.86E-01	1.06
940	6.66E-01	1.04
940	6.66E-01	1.04
1	7.38E-03	0.34
0	3.71E-01	1.48
0	3.30E-01	1.74
86	3.52E-01	0.90
86	3.52E-01	0.90
86	3.52E-01	0.90
0	8.00E-01	0.75
1	8.43E-01	0.90
0	8.59E-01	1.35

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.91E-01	0.84
599	6.93E-01	1.04
0	7.79E-01	1.11
0	8.67E-01	1.09
0	7.48E-01	1.43
58	7.62E-01	1.04
0	8.67E-01	1.22
1207	5.53E-01	0.94
1	4.71E-01	0.84
3	3.68E-01	1.24
16	9.09E-01	1.02
0	9.04E-02	0.07
16	8.91E-01	1.02
51	8.66E-01	0.98
0	6.81E-01	1.61
0	3.77E-01	0.51
1	9.61E-01	0.99
0	2.28E-01	0.62
54	4.63E-01	1.09
0	6.94E-01	1.20
34	5.44E-01	1.08
0	1.64E-01	4.31
46	2.40E-01	1.15
0	5.90E-01	0.43
0	8.21E-01	0.72
0	1.37E-01	0.17
0	1.54E-02	11.45
0	8.97E-01	0.85
0	8.00E-01	0.70
1	6.77E-01	0.85
1	5.68E-01	0.79
0	9.75E-01	0.98
0	7.18E-01	0.72
0	4.78E-01	0.58
41	9.62E-01	0.99
0	4.88E-01	1.73
0	7.38E-01	1.41
0	4.76E-01	1.89
0	4.67E-01	1.96
0	4.13E-01	2.65
0	4.35E-01	0.41
0	5.28E-02	9.93
0	6.89E-01	0.64

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

39	9.41E-01	0.99
0	2.52E-01	3.70
0	1.22E-01	3.81
0	7.07E-01	0.71
0	7.07E-01	0.71
2	7.17E-01	1.12
0	8.67E-01	1.19
0	3.48E-01	0.65
0	6.98E-01	1.55
628	5.71E-01	0.95
0	6.92E-01	1.14
0	9.63E-01	0.93
0	2.03E-01	0.29
0	9.15E-01	1.10
0	8.57E-01	1.08
0	9.36E-01	1.05
1757	4.96E-02	0.67
0	5.58E-01	1.71
97	6.31E-01	0.95
0	8.68E-02	0.28
138	6.25E-01	1.05
442	8.34E-01	1.02
97	7.14E-01	0.96
0	7.73E-01	0.90
0	9.41E-01	0.96
0	6.04E-01	1.32
0	9.25E-01	1.13
400	8.87E-01	0.99
3	2.96E-01	0.73
0	2.89E-01	1.67
145	4.41E-01	1.08
0	5.28E-01	0.45
0	7.99E-01	0.89
0	2.76E-01	0.50
0	8.76E-01	1.19
0	8.82E-01	1.09
0	3.29E-01	0.39
65	2.13E-01	0.87
65	1.95E-01	0.86
8	9.20E-01	1.02
0	2.48E-01	2.03
0	3.45E-01	2.17
99	9.42E-01	1.01

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.05E-01	0.78
149	2.99E-01	1.11
0	6.38E-01	1.69
0	6.73E-01	0.62
1	3.81E-01	1.33
50	1.06E-01	0.81
49	1.14E-01	0.82
0	6.79E-01	1.40
243	7.29E-01	1.03
243	7.29E-01	1.03
0	4.59E-01	1.29
2	3.75E-01	1.26
676	7.77E-01	0.97
15	2.68E-01	1.18
700	7.29E-01	1.03
0	3.52E-01	1.84
0	5.36E-01	1.23
0	6.31E-01	1.50
0	1.81E-01	0.19
700	9.64E-01	1.00
4	2.66E-01	1.22
0	5.42E-01	1.41
0	6.26E-01	1.24
0	5.50E-01	0.50
0	6.81E-01	1.96
0	4.69E-01	1.33
0	7.11E-01	0.65
16	6.92E-01	0.94
17	6.33E-01	0.93
88	9.29E-01	0.99
18	7.76E-01	1.04
0	4.28E-01	1.35
0	9.09E-01	1.14
1	5.24E-01	0.72
0	2.23E-01	0.40
1	8.54E-01	1.05
0	6.70E-02	0.30
0	4.89E-01	1.60
1317	6.19E-01	1.06
0	2.25E-01	0.21
0	8.07E-01	1.19
0	7.10E-01	0.71
471	8.40E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

527	8.64E-01	1.02
11	5.58E-01	1.10
0	8.44E-01	1.37
1	9.20E-01	0.96
0	4.85E-01	1.71
8	9.56E-01	1.01
0	5.96E-01	1.73
128	8.93E-01	0.99
0	4.67E-01	1.23
446	4.47E-01	0.93
0	8.06E-01	0.87
0	3.36E-01	1.76
1504	1.69E-01	0.83
1386	3.64E-01	0.89
25	2.50E-01	1.16
1	2.87E-01	1.36
209	2.00E-01	1.13
1	9.33E-01	1.07
336	6.31E-01	0.96
1	6.87E-01	0.74
1	4.64E-02	0.29
0	6.03E-01	0.50
1	6.10E-01	1.29
0	8.13E-01	1.70
19	2.58E-01	0.85
0	7.28E-01	1.40
0	7.61E-01	0.65
1661	1.30E-01	0.77
0	9.53E-01	1.06
0	8.05E-01	0.70
0	2.32E-01	2.70
0	6.63E-01	1.27
0	3.44E-01	1.35
792	8.49E-01	1.02
21	6.15E-01	0.93
4	2.14E-01	1.31
8	3.05E-01	1.19
0	5.46E-01	0.42
0	7.77E-02	0.18
0	9.35E-01	1.04
0	1.16E-01	1.95
0	3.84E-01	0.31
0	3.97E-01	0.32

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.91E-01	4.44
0	5.05E-01	0.40
0	8.58E-01	0.89
0	4.97E-01	0.56
0	4.20E-01	0.66
0	6.07E-01	0.46
19	8.49E-01	1.03
47	5.73E-01	0.93
0	2.82E-01	0.47
45	3.08E-01	0.88
267	9.00E-01	1.01
0	9.60E-01	1.02
0	7.38E-02	4.05
0	6.13E-01	1.46
0	7.89E-01	0.75
0	8.69E-01	0.89
22	4.16E-01	0.89
0	3.43E-01	0.29
0	8.46E-01	1.12
18	7.20E-01	0.94
0	9.97E-02	3.98
0	5.58E-01	1.57
21	2.85E-01	0.84
651	7.88E-01	1.03
0	2.38E-01	2.77
1415	5.60E-01	0.93
0	1.86E-01	4.60
0	2.27E-01	0.17
0	5.86E-01	1.79
0	1.45E-01	0.25
0	9.83E-01	0.98
3	4.62E-01	0.85
0	5.85E-01	0.46
0	4.93E-01	0.76
0	7.85E-01	0.77
3	4.65E-01	0.85
1	7.57E-01	1.08
1	7.57E-01	1.08
38	7.43E-01	0.96
12	6.46E-01	0.93
4	9.41E-01	0.98
0	7.42E-02	0.23
0	7.34E-01	1.38

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.40E-01	0.61
0	3.30E-01	2.75
0	2.00E-01	2.73
487	7.80E-03	1.27
678	8.42E-03	1.28
10	4.61E-01	1.13
0	4.50E-01	2.13
676	2.27E-02	1.24
0	5.45E-01	1.28
0	7.05E-01	0.75
0	6.92E-01	0.69
0	9.90E-01	1.02
131	2.58E-01	1.12
0	5.17E-02	10.11
38	2.18E-01	1.17
47	6.21E-01	0.94
38	2.04E-01	1.17
0	2.02E-01	2.26
0	8.47E-01	0.85
0	3.06E-02	8.21
0	6.96E-01	1.24
220	3.58E-01	0.92
2	9.19E-01	1.03
0	1.16E-01	0.45
460	8.38E-02	0.85
0	5.03E-01	0.42
0	4.16E-01	2.37
0	1.09E-01	3.21
0	9.44E-01	0.91
3	2.10E-01	1.47
0	5.92E-01	1.47
123	6.95E-02	1.20
3	8.00E-01	1.05
130	1.32E-01	1.17
0	5.82E-01	0.54
0	5.33E-01	0.79
262	2.90E-01	1.10
5	6.16E-01	1.11
0	6.68E-01	0.70
0	4.91E-01	1.32
1091	6.81E-01	1.04
5	7.49E-01	1.07
132	1.51E-01	1.16

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.49E-01	1.36
32	9.59E-01	1.01
0	5.57E-01	1.43
26	6.08E-02	0.76
1	2.32E-01	1.40
0	2.09E-01	0.43
0	6.09E-01	1.67
0	6.09E-01	1.67
0	2.70E-01	0.27
0	5.13E-01	1.76
9	6.77E-01	1.08
0	2.36E-01	0.23
0	6.78E-01	1.42
1	2.32E-01	1.40
27	7.29E-01	0.95
0	8.32E-01	1.23
1	4.62E-01	1.83
256	1.09E-01	1.16
14	9.52E-01	0.99
16	9.87E-01	1.00
2	8.18E-01	0.93
0	4.85E-01	0.36
0	3.47E-01	0.72
0	8.31E-01	0.83
4	8.76E-02	0.73
14	8.05E-01	0.96
0	4.26E-01	1.71
906	5.88E-01	1.06
0	7.79E-01	0.74
0	8.57E-01	0.89
0	9.27E-01	1.06
0	6.74E-01	2.89
182	5.02E-01	0.94
0	5.31E-01	0.60
0	5.85E-01	1.77
0	3.36E-01	3.02
121	2.97E-01	0.90
25	9.53E-01	1.01
24	6.02E-01	1.08
24	5.90E-01	1.08
0	8.86E-01	1.06
0	6.17E-01	0.76
57	6.70E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.46E-01	2.65
0	3.53E-01	1.92
4	9.19E-01	0.98
3	6.39E-01	1.12
35	6.72E-01	1.06
122	7.10E-01	1.04
0	5.46E-01	2.57
1	5.58E-01	0.85
1	6.51E-01	0.87
47	4.34E-02	0.76
92	7.60E-02	0.82
2	6.79E-02	1.58
472	2.09E-01	0.89
2	9.42E-01	1.02
1	8.71E-01	1.07
64	4.00E-01	0.91
0	5.47E-01	0.60
0	5.81E-01	1.62
1	2.63E-01	1.73
0	4.06E-01	0.75
0	4.06E-01	0.75
0	1.79E-01	2.49
0	5.03E-01	0.59
0	6.00E-01	1.82
3	1.11E-01	0.69
65	6.36E-02	0.80
0	6.29E-01	0.66
0	8.66E-01	1.18
111	1.59E-01	1.16
53	7.73E-01	0.96
999	5.72E-01	1.06
3	1.61E-01	1.28
0	5.07E-01	0.41
0	5.92E-01	1.35
155	5.97E-01	1.05
0	2.21E-01	0.24
28	7.61E-01	0.96
0	6.77E-01	0.70
1	8.68E-01	1.06
0	8.90E-01	0.90
1827	5.85E-01	0.85
0	2.07E-01	2.79
0	9.16E-01	1.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.66E-01	1.13
6	9.96E-01	1.00
1901	4.30E-01	1.68
14	6.05E-01	1.09
0	8.54E-01	1.29
0	4.18E-01	2.33
0	3.69E-01	0.25
0	7.71E-01	1.14
0	7.30E-01	1.37
0	9.86E-01	0.99
0	4.75E-02	0.45
0	7.53E-01	0.61
9	5.80E-01	1.11
41	1.85E-01	0.84
36	4.41E-01	1.11
58	5.50E-01	0.93
0	2.68E-01	0.57
0	8.34E-01	0.91
6	3.88E-01	1.21
1	2.70E-01	2.01
0	8.67E-01	0.90
0	9.78E-01	1.03
0	7.13E-02	0.14
0	1.48E-01	5.49
1	5.98E-01	1.21
6	8.74E-01	1.04
0	5.70E-01	0.82
46	4.09E-01	0.90
0	9.69E-01	1.06
0	9.69E-01	1.06
0	1.58E-01	0.18
0	7.67E-01	0.66
403	9.10E-01	1.01
629	8.03E-01	1.02
0	4.67E-01	0.49
0	2.34E-01	2.32
4	7.04E-01	1.09
2	6.70E-01	0.87
403	8.84E-01	1.01
0	3.27E-03	0.12
347	8.88E-01	1.01
1	6.87E-01	0.82
44	5.76E-01	0.93

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

580	3.46E-01	1.09
0	6.44E-01	0.72
0	6.83E-01	1.36
0	5.64E-01	1.30
0	9.47E-01	1.11
0	9.47E-01	1.11
0	8.66E-01	1.16
15	3.79E-01	0.85
0	2.65E-01	0.43
0	2.06E-01	1.56
0	3.59E-01	2.69
0	7.22E-01	1.30
0	1.51E-01	0.25
0	9.74E-01	0.98
0	5.27E-01	0.82
7	3.30E-01	1.19
0	6.27E-01	0.71
0	5.69E-01	0.67
0	5.29E-01	1.75
283	6.59E-01	0.96
410	7.21E-01	0.97
0	2.06E-01	0.30
71	7.61E-01	1.04
0	4.81E-01	0.57
0	1.52E-01	0.24
0	3.31E-01	2.36
372	2.58E-01	1.11
2	2.88E-01	1.26
0	2.68E-01	3.11
0	6.59E-01	0.85
13	8.19E-01	0.96
0	4.33E-01	0.41
456	6.79E-01	1.04
0	4.96E-01	3.36
14	7.47E-01	0.95
1	9.15E-01	1.06
683	6.45E-01	1.04
0	6.17E-01	1.24
36	4.94E-01	1.09
0	9.35E-02	0.07
0	9.36E-02	0.07
5	4.20E-01	0.84
0	3.91E-01	2.69

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

360	5.92E-01	1.05
1	5.58E-01	1.24
0	1.53E-01	3.44
3	5.63E-01	1.18
0	2.39E-01	3.61
4	6.69E-02	1.41
0	4.60E-01	1.98
0	5.37E-01	1.97
0	1.45E-01	2.30
59	9.45E-01	0.99
0	2.03E-01	2.44
0	2.63E-01	0.46
196	7.56E-01	1.03
0	5.37E-02	4.86
0	5.04E-01	0.79
0	5.84E-01	1.83
1798	3.21E-01	1.32
0	6.95E-01	0.72
0	6.94E-01	1.51
53	6.09E-01	1.06
9	2.65E-03	1.70
0	3.75E-01	2.77
432	6.85E-01	0.96
22	9.03E-01	1.02
0	4.74E-01	1.94
0	3.08E-01	0.27
0	3.56E-01	0.80
23	5.00E-01	1.10
336	1.78E-01	1.13
0	8.04E-01	1.20
3	4.82E-01	0.86
0	4.10E-01	2.70
0	3.16E-01	2.27
0	7.82E-01	0.80
0	3.75E-01	0.82
0	5.59E-01	1.47
2	8.12E-01	1.06
0	9.36E-02	0.09
0	8.86E-01	1.12
190	3.32E-01	0.91
0	4.04E-01	0.33
0	8.94E-01	1.24
2	8.16E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.80E-01	0.98
13	8.23E-01	0.96
0	2.65E-01	2.50
0	5.72E-01	1.50
0	8.37E-01	0.75
0	4.75E-01	0.43
0	2.85E-01	0.63
0	1.80E-01	0.20
0	3.40E-01	0.27
11	3.25E-01	0.84
0	8.32E-01	0.74
0	3.49E-02	6.30
1	8.51E-01	1.06
0	5.69E-01	1.36
0	6.14E-01	0.68
11	1.07E-01	0.73
1	7.07E-01	1.28
0	7.03E-01	1.51
1922	1.00E+00	0.97
0	5.75E-01	1.46
2	5.03E-01	0.77
0	4.25E-01	1.92
0	1.53E-01	3.95
0	7.86E-01	0.68
0	4.99E-02	8.50
0	5.76E-01	0.42
0	7.45E-01	1.45
119	5.47E-01	0.94
0	2.65E-01	1.76
109	4.35E-01	0.92
8	8.90E-01	0.97
39	9.53E-01	1.01
1	3.98E-01	0.67
0	7.25E-01	1.39
0	5.32E-01	0.46
0	8.25E-02	0.37
0	2.76E-01	2.20
223	1.50E-01	1.14
0	2.30E-01	0.54
0	4.78E-01	1.59
0	5.82E-01	0.47
221	8.89E-02	1.17
49	8.49E-01	1.02

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

117	1.62E-02	0.77
0	5.11E-01	1.77
0	9.79E-01	0.97
116	1.29E-02	0.76
30	4.42E-01	1.11
223	1.10E-01	1.16
235	1.71E-01	1.14
754	4.81E-01	0.94
754	4.67E-01	0.93
0	4.11E-01	0.47
0	7.82E-01	1.15
0	7.63E-01	0.75
0	2.74E-01	0.41
500	6.46E-01	1.04
0	8.97E-01	1.12
146	8.45E-01	0.98
3	8.52E-01	0.95
0	9.19E-01	0.91
1	2.44E-01	0.74
441	7.26E-01	1.03
0	4.38E-01	0.37
0	6.60E-01	0.63
0	5.27E-01	1.26
0	6.53E-01	1.18
0	9.43E-01	0.95
0	2.48E-01	3.28
0	5.39E-01	1.56
1	9.15E-01	0.97
0	7.07E-01	0.80
446	4.17E-01	1.07
0	2.98E-02	0.22
0	4.25E-01	2.04
0	1.48E-02	0.05
0	9.44E-01	0.96
4	7.00E-01	0.92
0	4.20E-01	0.62
1	5.37E-01	1.24
0	2.21E-01	2.02
0	5.49E-01	1.57
0	9.50E-01	0.91
0	2.49E-01	2.55
0	5.13E-01	1.96
1	7.03E-01	1.31

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.99E-01	0.77
0	3.76E-02	0.32
0	7.11E-01	1.21
0	7.55E-01	1.11
0	1.86E-01	0.13
0	5.92E-01	1.52
0	9.87E-01	1.03
0	5.23E-01	1.29
0	9.28E-01	0.93
1922	1.00E+00	0.97
0	5.72E-01	0.42
1	8.71E-01	0.94
0	6.20E-01	0.60
0	2.49E-01	2.55
0	7.57E-01	0.82
0	1.09E-01	3.64
0	1.78E-01	0.20
1	1.86E-01	2.49
0	3.77E-01	1.37
77	4.50E-01	0.92
0	5.91E-01	0.54
0	4.90E-01	1.80
1	1.43E-01	0.33
0	5.69E-01	0.55
0	5.92E-01	2.45
0	6.97E-01	0.84
0	4.71E-01	0.53
0	8.39E-01	1.08
1	7.06E-01	1.16
0	3.78E-01	1.93
0	9.90E-01	1.01
0	4.35E-01	2.18
0	5.10E-01	0.56
54	6.12E-01	0.94
1	7.53E-02	3.37
0	9.08E-02	0.07
2	9.76E-01	1.01
20	7.91E-01	0.96
58	8.30E-01	0.98
0	3.48E-01	0.28
0	1.41E-01	5.29
1	7.34E-01	1.26
2	9.90E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.65E-01	1.30
22	1.48E-01	0.79
0	3.08E-01	1.57
0	8.36E-01	0.79
0	4.70E-01	0.36
19	4.49E-01	0.89
0	2.17E-02	4.67
0	4.05E-01	0.37
0	6.89E-01	1.08
0	8.12E-01	0.87
0	8.46E-01	0.85
0	2.17E-01	2.14
0	3.50E-01	0.49
1	9.00E-01	1.04
0	6.59E-01	1.49
0	5.60E-01	0.46
1	2.50E-01	0.63
1	4.98E-01	0.70
0	1.45E-01	5.32
0	7.41E-01	0.70
0	7.47E-02	6.48
0	4.70E-01	0.45
0	5.49E-01	1.24
1	3.60E-01	0.48
0	7.41E-01	0.70
0	3.65E-01	0.30
0	2.23E-01	3.51
2	4.32E-01	1.31
1	2.19E-01	1.54
0	8.87E-01	1.25
0	8.69E-01	0.83
3	5.43E-02	0.63
1	1.67E-02	0.32
0	9.79E-01	1.04
0	3.71E-01	1.87
0	3.52E-01	0.35
397	5.06E-01	0.94
220	1.29E-01	0.86
210	9.57E-01	0.99
3	2.44E-01	1.31
0	6.39E-01	1.23
557	2.85E-01	0.91
5	9.87E-01	1.00

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

483	9.48E-01	0.99
1	5.72E-01	0.56
5	5.00E-01	0.86
0	2.67E-02	4.44
0	2.42E-01	0.59
1	4.48E-01	0.77
15	6.50E-01	1.07
0	8.78E-01	1.16
0	1.24E-01	3.05
1	8.69E-01	0.94
0	5.35E-01	0.44
0	1.22E-01	0.18
0	1.69E-01	2.89
0	7.54E-01	0.89
16	2.06E-01	1.23
0	1.22E-02	5.50
12	7.39E-01	0.95
0	7.58E-01	1.12
0	6.17E-01	1.29
0	5.89E-01	0.47
0	9.73E-01	1.03
0	5.73E-01	0.65
1	5.95E-01	1.20
0	7.11E-01	0.72
0	5.76E-01	0.85
0	3.52E-02	0.08
368	9.11E-01	0.99
0	6.94E-01	0.75
0	5.09E-01	0.56
0	9.99E-01	1.00
6	3.99E-02	0.61
0	8.99E-01	0.86
0	6.18E-01	0.50
0	1.67E-01	0.20
0	3.78E-01	1.47
0	2.53E-01	0.55
54	6.43E-02	0.80
612	4.18E-02	0.83
0	5.95E-01	0.69
87	7.53E-02	0.82
0	4.16E-01	2.15
0	2.97E-01	3.38
0	9.31E-01	1.04

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.95E-01	0.99
0	7.90E-01	0.74
0	4.02E-03	11.07
0	3.12E-01	0.35
0	2.07E-01	2.02
0	9.89E-01	0.99
3	6.38E-02	0.61
0	4.17E-01	0.52
0	5.83E-01	1.72
0	5.23E-02	2.25
0	5.28E-01	0.67
0	6.27E-01	1.18
0	2.30E-01	0.61
0	2.30E-01	0.61
0	7.04E-01	0.69
0	1.28E-01	0.13
4	4.75E-02	0.61
0	3.87E-02	0.43
0	6.12E-01	1.62
0	1.24E-01	2.72
0	9.56E-01	1.03
0	6.24E-01	1.50
0	1.15E-01	4.21
0	7.36E-01	0.62
0	3.40E-01	0.47
0	7.52E-01	0.68
5	8.82E-01	1.03
0	8.11E-01	1.47
0	7.88E-01	0.77
0	6.32E-01	1.56
19	7.56E-01	0.95
4	5.41E-01	1.13
0	3.57E-01	2.66
1	4.25E-02	1.66
0	5.89E-01	0.61
0	1.65E-01	2.40
0	4.91E-01	0.69
0	1.81E-01	2.85
30	1.58E-02	0.71
0	9.49E-01	1.08
43	6.43E-01	0.94
0	7.01E-02	2.14
0	6.85E-01	0.87

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.55E-01	0.22
39	4.55E-02	0.76
0	9.11E-01	0.92
0	7.20E-01	0.76
0	3.75E-01	0.32
0	5.87E-01	0.68
4	4.06E-01	0.81
0	8.31E-01	0.83
3	8.20E-01	0.96
0	6.04E-02	0.14
0	8.89E-01	0.86
123	6.84E-01	1.04
195	4.17E-01	1.08
0	4.18E-02	6.37
1	3.72E-01	1.43
0	7.99E-01	1.37
394	1.24E-01	1.15
0	2.02E-01	0.34
0	5.64E-01	0.69
76	1.61E-01	1.17
5	5.76E-01	0.89
71	7.69E-02	1.23
0	3.69E-02	0.04
79	8.47E-02	1.21
0	8.07E-01	1.14
93	1.28E-01	1.18
0	3.60E-03	14.90
0	2.42E-01	0.35
0	3.60E-03	14.90
0	5.26E-01	1.49
69	1.02E-01	1.21
0	5.87E-01	0.61
70	4.50E-02	1.26
2	2.06E-01	0.69
0	7.15E-01	0.66
2	2.06E-01	0.69
0	7.06E-01	1.81
0	3.76E-01	1.89
0	7.28E-01	0.66
0	3.08E-01	0.24
0	1.29E-01	0.41
0	6.28E-01	1.68
0	7.55E-01	0.65

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.60E-03	14.90
0	5.96E-01	1.34
0	3.60E-03	14.90
0	3.60E-03	14.90
268	3.90E-01	0.92
837	5.91E-02	0.84
29	1.45E-01	1.21
0	2.78E-01	1.54
0	7.75E-01	1.33
514	3.41E-01	0.92
0	2.25E-02	2.18
0	4.69E-01	2.19
0	1.98E-01	2.49
0	8.64E-01	1.21
0	9.28E-01	0.93
0	9.61E-01	1.03
709	4.27E-01	1.08
0	5.36E-01	0.51
5	1.91E-01	1.28
291	6.28E-02	1.18
984	1.28E-01	0.86
0	3.19E-01	3.08
0	3.08E-01	3.38
587	5.20E-01	0.94
1	7.44E-01	0.85
0	2.82E-01	1.93
0	6.88E-01	0.58
0	1.03E-01	2.19
0	8.10E-01	1.19
0	1.54E-01	0.52
1	9.74E-02	1.67
0	1.54E-01	0.52
0	7.68E-01	1.33
0	6.37E-01	2.06
0	6.61E-01	1.38
0	1.32E-01	0.50
0	1.40E-01	3.46
0	1.37E-01	0.36
0	7.06E-01	1.90
0	4.07E-01	0.44
0	8.09E-01	0.78
0	9.83E-01	1.03
0	7.88E-01	1.33

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

12	4.64E-01	1.14
2	1.27E-01	1.79
1716	9.07E-01	1.02
3	9.90E-01	1.00
1	1.03E-01	2.93
2	9.93E-01	1.00
0	5.37E-01	0.42
229	2.34E-01	1.12
0	5.00E-01	1.83
1754	3.44E-01	0.82
30	9.16E-02	1.24
5	1.98E-01	1.28
0	1.72E-01	3.13
0	7.19E-01	0.75
0	9.56E-01	0.95
1	9.78E-01	0.99
0	2.98E-01	2.22
0	3.25E-01	0.29
0	2.08E-01	1.45
1	7.78E-01	0.90
0	8.30E-01	1.14
0	6.90E-01	0.69
0	3.69E-01	1.92
0	8.54E-01	1.05
0	3.85E-01	2.43
5	9.23E-01	0.98
4	7.70E-01	0.94
0	8.86E-01	1.15
0	5.93E-01	1.81
0	6.05E-01	1.83
0	4.07E-01	0.35
0	3.97E-02	1.90
0	6.42E-01	0.48
6	4.32E-01	0.85
14	9.36E-01	1.01
0	6.54E-01	1.44
0	7.72E-01	0.75
0	1.87E-01	3.22
100	3.82E-01	0.91
0	4.60E-01	1.99
21	2.32E-02	0.70
0	4.15E-01	2.27
0	4.93E-01	1.44

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.99E-01	0.69
82	6.05E-02	1.23
0	5.67E-01	0.68
81	7.06E-02	1.22
82	5.80E-02	1.23
0	3.99E-01	1.47
0	5.23E-01	0.40
0	4.22E-03	14.90
0	1.11E-01	5.51
0	1.83E-01	0.25
89	6.81E-01	0.96
1123	2.39E-01	0.88
0	8.26E-01	1.23
89	5.41E-01	0.93
0	2.13E-01	0.23
1074	1.50E-01	0.86
0	7.42E-01	0.61
0	5.95E-01	0.54
0	2.49E-01	3.47
0	8.28E-01	1.28
0	8.22E-02	4.92
0	2.84E-01	0.25
1	5.85E-01	0.86
0	7.56E-01	1.11
2	8.06E-01	0.92
0	3.06E-01	3.03
0	6.96E-01	1.50
13	3.66E-01	0.86
0	7.46E-01	0.90
0	1.11E-02	10.07
0	2.60E-01	2.39
0	5.83E-01	1.38
28	4.29E-02	0.76
0	4.53E-01	0.41
0	5.42E-01	1.70
0	5.50E-02	0.28
965	1.36E-01	0.87
0	4.88E-01	0.74
0	3.11E-01	2.83
0	7.16E-01	0.85
0	8.96E-01	0.94
0	8.69E-02	0.49
0	6.86E-01	0.57

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.28E-02	4.98
0	6.17E-01	1.40
0	9.89E-01	1.01
0	9.09E-01	1.22
3	6.61E-01	0.83
0	3.60E-01	2.44
0	4.28E-02	4.88
8	7.04E-01	1.07
0	8.23E-01	0.72
0	7.42E-01	0.76
250	4.22E-01	0.93
0	9.86E-01	1.02
0	9.89E-01	0.99
83	8.55E-01	1.02
0	1.34E-02	0.05
0	7.80E-01	1.37
29	1.00E-01	1.25
0	1.99E-01	0.49
0	9.10E-01	1.12
0	8.70E-02	3.36
0	8.17E-01	1.12
0	8.17E-01	1.12
21	9.97E-01	1.00
0	7.28E-01	0.61
22	6.09E-01	1.08
0	9.44E-01	1.04
0	6.54E-01	1.27
0	8.46E-01	1.23
35	2.10E-01	0.84
69	7.06E-01	0.96
0	9.77E-01	1.03
1	3.27E-01	0.79
4	6.11E-01	0.90
0	1.61E-01	0.49
390	9.52E-01	0.99
0	8.90E-01	0.81
0	8.79E-01	1.18
0	3.74E-01	0.61
0	6.30E-01	1.57
0	4.37E-01	2.79
79	2.87E-02	0.79
1	7.91E-01	0.89
0	9.34E-01	1.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.92E-01	1.00
0	5.23E-01	1.71
1187	3.63E-01	1.10
0	1.38E-01	4.17
0	2.06E-01	0.34
0	7.11E-01	1.91
0	5.56E-01	1.66
0	2.24E-01	2.64
0	8.05E-01	1.13
0	2.31E-01	0.69
10	6.12E-01	0.92
761	7.02E-01	0.96
0	6.54E-01	1.42
336	7.24E-01	1.03
0	6.79E-01	1.97
0	1.23E-01	3.28
1406	7.12E-01	0.95
0	9.00E-01	0.86
3	6.79E-02	0.63
0	7.76E-01	1.28
6	1.43E-01	1.34
1891	1.22E-01	0.50
1	4.98E-01	0.72
7	8.59E-01	0.97
909	5.61E-01	0.94
0	6.32E-02	3.56
0	3.31E-01	0.50
0	4.53E-01	0.34
0	6.06E-01	1.37
1	3.18E-01	1.43
0	1.90E-01	2.10
0	7.28E-01	1.44
0	7.59E-02	2.94
0	9.95E-01	1.00
0	3.48E-01	0.51
0	6.19E-01	1.80
0	7.15E-01	2.04
668	3.49E-01	1.09
0	2.74E-01	2.01
0	8.76E-01	1.11
2	1.32E-02	1.86
0	4.70E-01	0.68
0	6.74E-01	0.52

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.76E-01	2.16
0	8.47E-01	1.36
1	2.67E-01	1.27
1	2.67E-01	1.27
0	4.10E-02	17.29
0	6.33E-01	0.60
2	9.53E-01	1.02
0	5.99E-01	0.62
53	7.79E-01	1.03
0	5.67E-01	1.44
0	8.97E-01	1.08
1	1.43E-01	0.18
0	6.75E-02	6.38
0	5.42E-01	1.49
584	5.72E-01	0.95
1	2.71E-01	0.37
1	4.36E-02	0.38
0	8.23E-01	0.73
1	7.14E-01	0.90
0	9.11E-01	1.09
0	3.95E-01	2.06
0	1.43E-01	1.82
0	8.37E-01	1.21
1	7.07E-01	0.90
0	5.23E-01	1.65
0	7.27E-01	0.68
1	1.40E-01	0.50
0	3.09E-02	1.78
0	1.14E-01	0.35
0	8.21E-01	1.23
0	5.58E-01	0.56
0	7.72E-01	0.66
0	5.51E-01	1.23
0	5.55E-01	1.23
0	7.52E-01	0.86
0	5.73E-01	1.17
2	2.07E-01	0.64
0	4.29E-01	0.43
2	2.66E-01	0.78
0	9.12E-01	1.15
509	9.80E-01	1.00
0	1.95E-01	3.19
4	4.24E-01	1.19

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	7.84E-01	1.12
0	7.61E-01	1.38
0	1.86E-01	0.13
5	8.39E-01	0.96
0	7.26E-01	1.37
0	7.97E-01	1.08
0	6.53E-01	0.87
1	7.58E-01	0.91
0	1.98E-01	1.69
0	3.60E-01	0.51
0	2.10E-01	3.73
0	8.39E-01	0.80
1	4.02E-01	0.76
0	7.75E-01	0.72
2	6.97E-01	0.88
0	7.60E-01	0.73
0	3.89E-01	0.32
0	1.52E-01	1.83
0	4.79E-01	0.37
0	7.50E-01	0.87
0	3.07E-01	0.29
0	8.35E-01	0.79
1	3.83E-01	1.29
960	1.61E-01	0.87
0	9.03E-01	1.18
0	1.60E-01	0.36
1701	3.03E-01	0.82
0	5.57E-01	0.72
13	1.39E-01	0.79
0	4.39E-01	1.44
14	7.13E-02	0.74
0	1.17E-01	1.94
0	6.98E-01	2.18
1703	3.96E-01	0.85
1625	8.09E-01	1.04
0	8.22E-01	0.77
0	2.26E-01	3.31
1	3.96E-02	0.52
2	5.41E-01	0.85
0	7.75E-02	0.07
0	8.79E-01	0.87
1833	7.20E-02	1.72
0	5.77E-01	1.38

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.52E-01	0.11
0	5.07E-01	0.38
1649	6.04E-02	1.44
0	4.49E-01	0.79
11	6.79E-01	1.07
0	6.90E-01	1.49
0	4.22E-01	1.65
103	8.51E-01	1.02
40	8.60E-01	1.02
0	1.93E-01	0.46
33	9.43E-01	1.01
0	6.24E-01	1.18
159	6.71E-01	1.04
0	1.37E-01	5.57
0	2.82E-01	1.68
779	1.50E-01	1.15
6	4.44E-01	0.84
149	2.79E-01	0.90
0	7.54E-01	1.28
0	6.40E-01	0.65
2	6.93E-01	1.18
0	3.14E-01	2.22
2	7.57E-01	1.09
0	5.14E-01	2.07
3	1.05E-01	1.43
0	1.56E-01	0.19
0	1.60E-01	3.54
10	7.23E-01	1.07
0	3.78E-01	0.53
0	4.91E-01	1.86
4	9.15E-01	0.98
89	7.91E-01	1.03
0	6.91E-01	1.18
10	6.15E-01	0.91
0	7.81E-02	8.04
0	5.53E-01	0.67
0	5.53E-01	0.67
0	7.84E-01	1.33
13	6.60E-01	0.93
0	8.23E-01	0.80
0	2.36E-01	1.69
0	1.85E-01	0.22
110	5.75E-01	1.06

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.55E-01	1.23
0	5.48E-01	1.61
1	2.20E-01	1.36
0	4.36E-01	1.46
0	8.12E-02	1.85
0	7.39E-02	0.08
0	7.39E-02	0.08
0	3.30E-01	2.36
274	5.25E-01	0.94
53	5.62E-01	0.93
271	7.72E-01	1.03
0	8.74E-01	1.10
0	8.51E-01	0.77
7	6.21E-01	0.91
0	1.36E-01	0.49
9	4.24E-02	1.42
0	1.70E-01	2.37
0	2.33E-01	1.89
0	4.98E-01	0.53
6	9.49E-01	1.01
0	6.79E-01	1.97
0	8.57E-01	1.21
0	7.89E-01	0.78
5	1.70E-01	1.41
0	3.97E-01	0.76
3	9.14E-02	0.61
0	1.32E-01	4.95
0	8.52E-01	1.20
0	3.19E-01	0.38
0	9.77E-01	0.98
0	7.50E-01	0.79
0	2.64E-01	0.50
0	6.80E-01	0.55
0	3.70E-01	0.64
61	7.09E-01	1.05
0	2.28E-01	3.07
359	4.00E-01	0.93
126	1.88E-01	0.87
0	9.04E-01	1.05
81	9.00E-01	1.01
360	9.54E-01	1.01
0	6.34E-01	1.50
0	4.37E-01	0.49

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.87E-01	1.02
1583	5.45E-01	0.91
12	7.76E-01	0.95
0	9.68E-01	1.06
0	7.54E-01	1.59
9	9.90E-01	1.00
0	2.35E-01	0.36
0	5.38E-01	0.41
1	3.14E-01	1.43
0	9.56E-01	1.04
5	5.70E-02	0.59
0	7.86E-01	0.67
1653	1.28E-01	0.78
0	2.65E-01	3.21
8	1.80E-01	1.24
0	4.74E-01	2.21
1003	2.27E-01	0.89
0	8.90E-01	1.17
0	7.00E-01	1.46
26	9.73E-01	1.00
0	6.33E-01	0.68
0	7.73E-01	0.63
0	5.17E-01	0.38
103	2.26E-01	1.14
111	2.43E-01	1.13
96	1.81E-01	1.16
0	8.37E-01	0.89
0	1.29E-01	0.15
0	2.35E-01	1.67
0	9.66E-01	0.94
0	7.33E-01	1.17
0	8.28E-01	1.16
0	2.79E-01	3.04
0	9.55E-02	0.09
23	2.04E-01	0.83
0	4.56E-01	0.47
0	9.41E-01	0.92
0	8.41E-01	1.23
0	6.66E-01	1.92
0	9.12E-01	0.96
0	2.58E-01	1.71
0	9.40E-01	0.94
1	8.66E-01	1.05

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

499	3.65E-01	1.08
240	9.48E-01	0.99
1	4.30E-02	1.75
0	5.80E-01	1.25
0	4.20E-01	1.68
0	7.40E-01	1.17
1239	4.39E-01	0.92
30	4.75E-01	0.90
0	4.15E-02	4.96
0	3.66E-01	0.47
0	8.82E-01	1.11
230	1.22E-01	0.86
0	3.11E-01	2.09
0	7.63E-02	2.60
0	8.09E-01	0.88
0	7.68E-01	0.70
0	4.19E-01	1.39
0	2.44E-01	2.97
20	7.74E-01	1.04
1	1.18E-01	0.53
0	7.80E-01	1.58
0	6.98E-01	0.87
0	1.96E-01	2.27
0	3.75E-01	2.12
0	1.39E-01	3.49
0	4.87E-01	0.45
66	8.89E-01	0.98
1	9.04E-01	1.06
0	2.61E-01	0.42
0	8.28E-01	0.90
1182	4.84E-01	1.08
0	6.55E-01	0.53
0	4.79E-01	0.43
0	4.42E-01	2.00
1	4.94E-01	1.22
162	4.88E-01	0.93
15	7.30E-01	1.06
242	4.37E-01	1.07
1740	6.32E-01	0.90
0	3.26E-01	0.52
0	7.44E-01	1.40
0	9.62E-01	1.03
0	8.03E-01	0.85

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

10	9.34E-01	1.02
0	5.36E-01	1.79
1155	6.91E-02	1.22
0	1.16E-01	3.54
1	6.39E-02	1.94
1	2.99E-01	0.72
50	4.11E-01	0.90
0	9.80E-01	0.98
2	5.97E-01	1.17
0	5.70E-01	1.32
1922	1.00E+00	0.97
41	2.65E-01	0.86
0	3.98E-02	3.33
0	2.60E-01	3.59
0	2.63E-01	0.25
0	6.89E-01	1.40
0	8.72E-01	1.20
26	1.64E-01	0.81
36	6.75E-01	0.94
575	2.03E-01	0.89
0	4.39E-01	0.66
0	1.80E-01	0.14
123	2.72E-01	0.89
0	3.34E-01	2.22
0	4.74E-01	2.07
0	1.78E-01	2.00
0	9.41E-01	0.93
0	9.80E-01	1.01
0	1.52E-01	3.62
4	3.23E-02	1.60
0	7.64E-01	1.17
0	2.09E-01	2.75
0	7.74E-01	0.66
0	8.94E-01	0.93
17	4.84E-01	0.89
0	9.54E-01	1.10
114	3.00E-01	1.11
0	5.88E-01	0.81
1	5.88E-01	0.87
0	3.14E-01	0.28
173	1.88E-02	0.79
2	2.76E-01	0.79
460	3.39E-01	1.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.29E-01	0.87
0	2.01E-01	3.67
0	1.50E-01	0.17
1	1.41E-03	4.36
0	7.97E-01	1.15
676	4.85E-01	0.94
0	5.40E-01	0.42
2	7.80E-01	1.07
677	4.17E-01	0.93
0	4.77E-01	2.06
664	3.71E-01	0.92
0	9.75E-01	1.04
2	6.80E-01	1.12
995	4.56E-01	0.93
0	8.18E-01	0.71
0	2.26E-01	3.39
0	1.36E-01	0.12
0	8.70E-01	0.90
749	7.94E-01	0.98
1565	2.42E-01	1.21
4	5.83E-01	1.12
10	4.96E-01	0.86
10	1.27E-01	1.34
0	8.47E-01	1.15
0	3.51E-01	1.95
6	3.07E-01	0.80
16	2.43E-02	0.69
89	4.83E-01	0.93
0	3.15E-01	1.45
1	1.60E-01	1.52
0	3.05E-01	0.42
0	5.77E-01	0.47
23	5.27E-01	1.10
23	5.27E-01	1.10
0	9.52E-01	1.08
0	2.86E-01	1.41
1	9.08E-01	1.05
0	8.03E-01	1.17
86	9.90E-01	1.00
0	6.76E-01	1.53
0	9.38E-01	1.12
1629	3.68E-01	0.86
0	9.45E-01	0.97

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.16E-01	2.53
0	5.85E-01	1.61
0	6.02E-01	0.63
0	6.15E-01	1.87
0	2.42E-01	1.48
0	1.72E-01	0.17
18	8.23E-01	0.97
61	8.98E-02	1.22
0	9.22E-02	0.28
0	7.70E-01	1.29
1	2.42E-01	0.68
489	5.61E-01	1.05
0	8.38E-01	0.78
167	6.59E-01	1.04
1922	1.00E+00	0.97
0	7.88E-02	6.57
0	3.11E-01	4.64
9	8.88E-01	1.02
200	2.94E-01	1.11
0	6.87E-01	1.96
0	3.85E-01	0.57
0	7.09E-01	0.59
126	6.86E-01	0.96
0	4.43E-01	1.63
0	8.95E-01	0.82
35	2.90E-01	1.15
0	9.83E-01	1.03
0	6.65E-01	1.55
0	4.93E-01	0.56
0	5.53E-01	0.64
104	4.87E-01	0.93
0	7.45E-01	1.30
0	1.70E-01	4.09
105	6.99E-01	0.96
0	7.45E-01	1.30
1134	9.01E-01	1.01
0	7.45E-01	1.30
1	8.11E-01	0.75
0	5.03E-01	0.47
0	7.50E-01	0.62
0	4.03E-01	2.40
0	6.43E-01	1.61
0	1.65E-01	0.29

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1918	1.54E-01	8.70
0	2.14E-01	3.20
0	4.09E-01	1.77
0	9.38E-01	1.13
0	7.61E-01	0.65
0	7.45E-01	1.30
877	7.04E-01	1.04
1922	1.00E+00	0.97
0	7.16E-01	1.25
0	7.45E-01	1.30
0	8.25E-01	1.33
0	4.73E-01	1.41
0	7.72E-01	1.19
1	9.60E-01	0.98
9	7.90E-01	1.05
0	4.29E-01	0.59
1922	1.00E+00	0.97
2	4.43E-01	1.34
0	6.58E-01	0.76
1	3.91E-01	1.24
9	7.54E-02	0.69
0	4.37E-01	0.53
1	4.69E-02	2.03
813	1.83E-01	1.13
0	6.82E-01	0.69
0	4.37E-01	2.31
0	4.31E-01	0.47
0	2.46E-01	0.53
0	5.79E-01	1.37
9	5.03E-01	0.88
0	9.66E-01	1.03
0	4.11E-01	1.76
0	1.80E-01	0.45
0	5.85E-02	0.16
0	9.62E-01	1.07
240	2.78E-01	0.90
0	1.60E-02	2.90
0	4.26E-01	1.58
1441	6.96E-01	1.05
36	6.12E-01	1.07
0	4.46E-01	1.78
0	2.30E-01	3.86
0	3.02E-01	1.41

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.15E-01	1.73
28	8.17E-01	0.97
0	1.30E-01	4.22
0	2.77E-01	0.48
17	8.81E-01	0.98
0	5.40E-01	0.62
6	6.29E-01	1.10
0	6.72E-01	0.61
0	5.62E-01	1.87
247	1.69E-01	0.88
0	2.91E-01	0.39
1	8.26E-01	0.84
0	4.90E-01	1.30
0	3.82E-01	2.52
0	5.13E-01	0.62
0	5.13E-01	0.62
0	8.33E-01	1.27
0	8.30E-01	0.73
7	9.64E-01	0.99
453	6.37E-01	0.96
2	7.95E-02	0.63
0	4.32E-01	0.46
465	6.92E-01	0.96
1	3.22E-01	1.51
0	9.29E-01	0.89
0	8.08E-01	0.75
0	7.51E-01	0.64
563	3.56E-01	1.09
0	1.59E-01	5.15
0	4.74E-01	1.45
0	1.52E-01	0.14
0	7.98E-01	1.24
666	3.90E-01	0.92
0	4.89E-01	0.66
0	4.99E-01	1.65
408	8.32E-01	0.98
0	5.67E-01	0.45
27	9.02E-01	0.98
0	8.50E-01	0.83
0	9.13E-01	0.90
0	9.58E-01	0.92
1	3.53E-01	0.61
85	6.26E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

77	8.34E-01	0.98
1817	7.27E-01	0.91
0	1.77E-01	0.18
569	3.19E-01	1.09
651	4.56E-01	1.07
1278	9.19E-01	1.01
1030	8.02E-03	1.32
0	9.57E-01	1.06
1	2.91E-01	0.78
0	1.64E-01	3.29
0	4.04E-01	0.51
0	4.28E-01	1.41
0	3.51E-01	2.15
184	4.20E-01	0.92
0	9.39E-01	1.12
0	1.96E-01	2.00
7	6.07E-02	0.68
4	4.53E-02	0.57
0	8.51E-01	1.35
0	8.15E-01	0.77
0	6.13E-01	1.30
0	9.05E-02	2.73
0	9.87E-01	0.98
0	1.60E-01	4.71
0	6.53E-01	0.62
97	2.84E-01	0.89
0	3.54E-01	1.45
0	6.00E-01	0.65
0	6.10E-01	0.80
1816	3.91E-01	0.79
45	2.67E-01	0.87
0	8.52E-01	1.18
29	6.41E-01	1.07
0	8.02E-01	1.14
14	9.83E-01	1.00
0	3.41E-01	1.88
6	2.82E-02	1.60
0	8.90E-01	0.85
0	2.53E-02	0.04
9	1.57E-01	1.27
0	1.03E-01	2.38
0	9.54E-01	1.04
132	1.94E-01	1.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.41E-01	0.74
0	4.67E-01	2.31
4	7.38E-01	1.10
0	1.22E-01	2.97
3	8.29E-02	0.64
88	8.37E-01	1.02
0	5.34E-02	1.90
1235	4.97E-03	0.74
5	9.47E-02	0.70
535	3.24E-01	0.92
0	8.67E-01	1.13
1294	1.27E-01	0.84
0	7.33E-01	1.20
0	7.19E-01	0.61
0	3.71E-01	0.26
5	9.26E-01	1.02
88	9.66E-01	1.00
0	8.90E-01	0.94
0	8.81E-01	0.86
13	1.03E-01	1.29
3	5.80E-01	1.13
246	4.18E-01	1.08
75	5.20E-01	0.93
0	7.24E-01	0.67
0	8.09E-01	1.46
0	3.70E-01	1.79
0	1.61E-01	0.15
22	6.70E-01	1.06
0	8.52E-01	1.21
11	6.94E-01	0.92
0	2.36E-01	3.67
7	5.17E-01	0.89
804	9.60E-01	1.00
0	9.04E-01	1.11
4	7.12E-01	0.91
0	4.36E-01	0.62
75	6.25E-01	1.06
0	8.41E-01	0.90
0	1.53E-01	0.53
0	7.69E-01	0.87
0	7.99E-01	0.68
0	3.38E-01	1.48
60	3.99E-01	1.10

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.80E-01	0.97
0	2.85E-01	2.42
0	5.62E-01	0.77
1	1.70E-01	0.29
6	2.70E-02	0.65
1	5.14E-01	0.79
0	5.34E-01	0.54
14	1.22E-02	1.50
0	6.47E-01	0.52
1454	7.27E-01	1.05
0	4.38E-01	0.66
0	8.83E-01	1.14
106	6.00E-01	1.05
0	5.84E-01	0.45
0	7.81E-01	1.48
0	9.20E-01	1.05
664	8.20E-01	1.02
0	4.28E-01	0.52
0	2.00E-01	0.21
0	6.59E-01	1.58
0	1.78E-01	1.88
0	5.93E-01	0.63
50	2.55E-01	1.14
0	7.17E-01	1.85
5	7.35E-01	1.09
7	3.30E-01	0.83
1	8.36E-01	0.86
1262	3.65E-01	0.90
0	7.62E-01	1.41
0	5.70E-01	1.63
0	8.39E-01	0.93
0	3.72E-01	2.51
0	2.53E-01	0.19
1265	2.36E-01	0.88
1	8.33E-01	1.07
0	5.03E-01	2.02
2	2.37E-01	0.56
0	1.32E-01	0.23
151	4.47E-02	1.22
15	4.27E-01	1.12
0	1.36E-01	5.18
6	9.04E-02	1.39
0	7.51E-01	0.70

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.98E-01	0.43
0	2.14E-01	0.16
0	3.85E-01	2.44
0	5.60E-01	0.55
0	3.72E-01	0.65
25	9.27E-01	0.99
1	3.00E-01	0.44
0	8.15E-01	1.07
0	9.23E-01	0.93
71	7.23E-01	0.96
0	1.51E-01	3.21
6	8.71E-01	1.03
0	8.93E-02	4.86
0	2.75E-01	0.25
0	2.75E-01	0.25
0	3.75E-02	3.37
0	6.99E-01	1.46
0	9.58E-01	0.95
0	2.48E-02	5.13
0	2.73E-01	1.92
9	9.68E-01	1.01
0	6.09E-02	5.12
0	8.10E-01	0.81
0	4.28E-01	2.85
0	7.60E-01	0.79
0	4.51E-01	1.92
0	4.22E-01	1.37
109	7.70E-01	0.97
0	3.20E-01	1.74
0	6.15E-01	0.48
0	2.95E-01	1.89
0	7.61E-01	1.39
0	5.32E-01	0.42
0	5.40E-01	1.86
1718	4.69E-01	0.86
0	3.26E-01	0.62
0	5.15E-01	0.70
0	2.06E-01	0.16
0	7.74E-02	2.05
899	2.14E-01	1.13
0	7.86E-01	0.77
1031	9.51E-01	1.01
184	5.89E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

184	5.89E-01	0.95
184	5.91E-01	0.95
574	2.44E-01	1.11
5	1.97E-02	0.60
5	2.47E-02	0.61
5	2.47E-02	0.61
0	5.94E-01	1.56
5	2.47E-02	0.61
0	5.94E-01	1.56
5	2.47E-02	0.61
124	2.95E-01	0.90
1000	8.10E-01	1.02
0	2.95E-01	2.34
1	3.17E-01	0.64
8	7.82E-01	1.06
0	2.30E-01	2.36
502	3.63E-01	1.09
502	3.63E-01	1.09
0	7.20E-01	0.59
43	5.07E-01	0.92
31	4.83E-01	0.91
2	8.05E-01	0.94
0	5.31E-01	1.85
534	4.22E-01	0.93
12	3.76E-01	1.14
0	6.43E-01	1.59
0	1.49E-01	2.29
0	8.43E-01	1.10
1922	1.00E+00	0.97
0	5.04E-01	2.23
0	8.56E-01	0.92
0	3.59E-01	2.23
0	1.64E-01	0.45
143	3.92E-01	0.91
0	6.28E-01	0.72
0	4.70E-01	0.53
0	7.24E-01	1.45
0	4.83E-01	0.36
28	1.12E-01	1.24
17	6.87E-01	1.07
0	4.81E-01	0.64
0	6.78E-01	1.49
0	3.55E-01	2.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.21E-01	0.49
0	3.52E-01	2.95
1	8.38E-01	0.94
0	1.84E-01	3.23
18	4.02E-01	1.14
0	3.13E-02	5.44
0	8.12E-01	0.75
0	2.57E-01	2.76
8	2.40E-01	0.77
0	2.74E-01	0.24
0	5.73E-01	0.44
0	6.06E-01	1.62
1	4.21E-01	2.11
1	3.66E-01	1.57
178	2.41E-01	1.12
0	8.50E-01	1.23
77	6.15E-02	0.81
0	3.36E-01	2.97
0	9.58E-01	0.96
0	3.66E-01	0.58
0	8.91E-01	0.84
2	4.75E-01	1.23
0	3.21E-01	2.87
0	6.62E-01	1.49
1322	9.03E-02	0.82
0	1.60E-01	0.56
0	6.68E-01	1.47
466	9.55E-01	1.01
0	4.51E-01	1.95
0	5.92E-01	0.62
21	2.26E-01	1.19
0	3.41E-01	2.20
0	6.82E-01	1.37
0	2.55E-01	3.07
0	4.79E-01	1.57
7	5.12E-01	1.16
22	3.69E-01	1.14
21	1.42E-01	1.25
20	1.38E-01	1.25
0	5.99E-01	0.72
1	4.68E-01	1.45
894	9.74E-01	1.00
0	3.27E-01	2.46

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.03E-01	0.39
62	2.76E-01	0.88
13	2.95E-01	0.83
0	4.38E-01	0.48
0	9.18E-01	0.92
1	1.35E-01	0.46
0	8.30E-01	0.76
0	8.44E-02	0.07
13	2.96E-01	0.85
0	9.33E-01	0.95
10	9.59E-01	0.99
26	5.16E-01	0.91
1495	5.42E-01	1.09
32	2.30E-01	0.85
0	4.85E-01	2.04
32	5.41E-01	0.92
0	6.10E-02	0.34
1	7.99E-01	1.15
0	6.04E-01	1.54
0	3.61E-01	1.95
41	3.97E-01	0.90
13	5.27E-01	0.90
13	5.27E-01	0.90
9	7.64E-01	0.94
0	6.47E-01	0.71
0	7.57E-01	1.25
1	7.14E-01	1.39
13	4.35E-01	0.88
0	1.40E-01	0.21
10	9.12E-01	1.02
0	4.64E-01	0.37
612	9.30E-01	0.99
10	9.57E-01	1.01
807	7.09E-01	1.04
1	6.13E-01	1.25
1	7.13E-01	1.39
0	7.71E-01	0.78
95	8.49E-01	1.02
10	8.92E-01	1.02
0	9.14E-01	0.87
0	9.26E-01	1.11
0	4.42E-01	2.12
0	4.12E-01	0.34

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.03E-01	1.63
0	2.84E-01	0.33
0	9.31E-01	0.94
9	4.57E-01	0.87
0	8.95E-01	1.16
0	8.28E-01	0.94
0	8.77E-01	0.96
265	2.51E-01	1.11
0	3.78E-01	1.93
0	6.25E-01	0.57
0	6.13E-01	1.72
1	4.54E-01	0.56
0	8.55E-01	1.16
0	9.28E-01	1.12
0	7.43E-01	0.83
0	2.08E-01	3.14
0	7.92E-01	1.19
214	8.06E-02	1.18
0	4.62E-01	1.89
0	5.85E-01	1.82
28	7.45E-01	1.05
0	5.55E-01	1.81
76	2.48E-01	1.14
0	9.67E-01	0.99
0	5.00E-01	1.90
0	7.23E-01	1.50
0	9.08E-01	0.84
0	2.05E-01	3.46
79	9.45E-01	0.99
0	3.94E-01	1.56
0	2.89E-01	2.40
43	2.07E-01	0.84
0	4.61E-01	0.43
0	9.94E-01	1.00
0	2.71E-01	2.48
0	7.28E-01	0.67
0	4.69E-01	2.17
0	7.33E-01	1.45
0	1.01E-01	2.19
0	1.56E-01	3.45
0	9.32E-01	1.09
2	9.05E-01	1.04
0	8.61E-01	0.83

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	1.39E-01	5.25
0	2.55E-02	0.43
0	4.86E-01	0.38
0	3.25E-01	0.28
18	1.90E-01	0.83
0	1.32E-01	3.47
0	9.64E-01	1.04
0	5.91E-01	0.49
0	1.93E-01	3.02
1	3.53E-01	1.33
0	3.56E-02	0.10
0	5.91E-02	4.40
0	9.86E-01	1.03
234	5.50E-01	0.94
0	3.74E-01	1.66
1690	9.26E-01	1.02
6	5.64E-01	0.90
0	1.10E-01	0.32
0	8.44E-01	0.83
1	5.44E-01	0.78
0	3.96E-01	1.56
1	7.05E-01	0.85
6	2.04E-01	1.29
1	7.61E-01	0.83
0	1.62E-01	0.70
617	5.20E-01	0.94
0	2.74E-01	3.94
253	3.54E-01	0.92
0	9.00E-01	1.13
0	8.24E-01	0.73
0	9.54E-01	0.93
0	6.57E-01	1.57
0	6.52E-01	1.55
0	7.05E-01	0.79
49	9.09E-01	0.99
7	6.23E-02	0.69
1	1.61E-01	1.39
1	8.10E-01	1.11
0	2.79E-01	1.42
0	1.74E-01	0.48
0	1.74E-01	0.48
497	4.90E-01	1.06
0	8.52E-01	1.34

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

7	9.70E-02	1.33
2	5.48E-01	0.82
7	9.22E-02	1.33
0	8.23E-01	0.73
0	1.55E-01	0.19
0	2.93E-01	0.40
7	9.70E-02	1.33
0	6.87E-01	0.70
0	1.74E-01	0.48
0	5.34E-02	2.59
0	9.08E-01	1.06
0	3.35E-01	0.29
0	9.55E-01	0.93
17	4.54E-01	1.13
28	5.25E-01	1.09
0	4.20E-02	6.43
0	5.97E-01	1.28
0	4.97E-01	0.54
0	9.29E-01	0.93
72	8.26E-01	0.97
1	5.48E-01	0.82
0	2.62E-01	0.50
2	3.98E-01	1.26
0	3.33E-01	0.38
5	9.57E-01	0.99
1	3.54E-01	0.50
0	2.67E-01	0.30
254	8.19E-01	0.98
0	6.59E-01	2.09
0	3.10E-01	1.84
0	3.48E-01	1.74
0	6.60E-01	1.50
1441	8.89E-01	1.02
0	8.95E-01	0.82
0	9.75E-01	1.04
0	4.94E-01	2.19
0	4.85E-01	1.32
0	4.60E-01	0.68
6	4.42E-01	1.16
0	2.98E-01	2.97
2	7.14E-01	1.20
10	8.99E-01	1.03
0	7.99E-02	2.09

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.97E-01	0.59
0	9.80E-01	1.04
2	9.67E-01	0.99
0	9.42E-01	1.05
1	9.18E-01	0.93
0	3.99E-02	3.36
12	5.42E-01	0.90
0	6.85E-01	0.55
0	2.09E-01	0.23
0	5.89E-01	1.57
0	9.45E-01	1.03
0	7.46E-01	1.30
1	4.15E-02	0.40
0	5.89E-01	1.57
35	2.72E-02	0.73
2	9.85E-01	1.01
0	2.43E-01	1.66
0	2.63E-02	3.73
0	1.02E-02	4.39
68	9.99E-01	1.00
0	5.85E-01	2.50
0	2.22E-01	0.30
0	7.91E-01	1.31
19	6.26E-01	1.08
0	6.31E-01	1.36
0	4.81E-01	1.50
0	6.91E-01	1.36
19	5.60E-01	1.09
13	6.22E-02	1.35
0	5.32E-01	1.71
0	5.33E-01	0.59
0	8.41E-01	0.77
1	1.44E-01	1.72
69	2.94E-01	0.89
62	4.92E-01	0.92
64	5.01E-01	1.08
62	6.22E-01	0.94
0	8.03E-01	1.48
0	4.16E-01	1.33
1	2.10E-01	1.51
1	2.33E-01	0.69
1	2.10E-01	1.51
96	5.77E-01	0.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	2.10E-01	1.51
0	7.25E-01	0.60
0	7.24E-01	0.86
0	3.94E-01	2.24
0	6.44E-01	1.28
0	8.34E-01	0.74
0	9.75E-01	0.98
2	9.95E-01	1.00
22	6.42E-01	1.07
1	7.29E-01	0.81
0	8.29E-01	0.68
1	8.85E-01	0.92
1	3.90E-01	0.76
0	3.10E-01	4.31
21	5.09E-01	1.10
4	2.82E-01	1.22
0	6.38E-01	1.35
1529	8.85E-01	1.02
906	4.28E-01	0.93
906	3.97E-01	0.92
909	4.13E-01	0.93
906	4.34E-01	0.93
906	4.34E-01	0.93
0	6.80E-02	5.82
899	4.19E-01	0.93
898	4.21E-01	0.93
0	8.61E-01	1.19
0	6.30E-01	1.54
907	3.67E-01	0.92
0	6.77E-01	0.55
0	9.39E-01	1.06
3	2.55E-01	1.28
2	4.92E-01	1.18
0	5.32E-01	1.92
5	5.93E-01	0.89
0	9.83E-01	0.97
52	6.29E-01	1.06
0	2.38E-01	0.22
0	4.82E-01	2.06
475	3.37E-01	1.09
0	1.79E-01	0.23
0	9.48E-01	0.95
1	3.66E-01	2.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1371	8.97E-01	1.02
0	3.63E-01	1.53
0	7.60E-02	1.90
0	7.92E-01	0.90
20	1.10E-01	1.25
484	8.25E-01	0.98
1	5.70E-01	1.52
0	9.37E-01	1.08
0	7.30E-01	0.77
0	6.79E-01	1.44
0	3.63E-01	2.08
944	2.85E-01	0.90
1	9.12E-01	1.04
0	5.77E-01	0.66
0	3.92E-01	0.47
1582	3.36E-01	1.17
0	7.16E-01	0.82
0	6.09E-01	1.68
0	3.53E-01	1.73
0	9.98E-01	1.00
37	4.77E-01	1.10
51	3.63E-01	0.90
0	4.14E-01	0.51
4	9.93E-01	1.00
0	4.06E-01	1.93
2	8.00E-02	1.55
0	4.38E-01	2.24
0	5.14E-01	0.62
0	4.11E-01	0.44
0	5.31E-01	2.93
2	6.10E-01	0.85
2	6.86E-01	0.88
0	8.76E-01	1.09
0	2.78E-01	2.67
3	1.97E-01	1.25
0	5.64E-01	0.59
2	8.40E-01	0.94
0	1.58E-01	3.94
0	8.23E-01	1.19
2	7.71E-01	0.91
5	6.50E-01	1.09
0	5.16E-01	1.39
0	2.02E-01	3.36

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

2	6.17E-01	0.86
0	5.92E-01	1.79
2	6.48E-01	0.83
171	2.03E-01	0.88
1	1.32E-01	0.65
1922	1.00E+00	0.97
0	1.03E-01	1.88
0	8.28E-01	1.41
1922	1.00E+00	0.97
1	6.84E-01	1.73
0	9.69E-01	1.06
0	9.12E-01	1.09
0	5.38E-01	0.46
0	4.74E-01	2.46
0	2.80E-01	0.39
4	6.09E-01	0.88
0	6.26E-01	0.80
1	2.53E-01	0.45
0	6.27E-01	1.67
0	7.98E-01	0.69
91	1.94E-01	1.15
1608	6.64E-01	1.08
702	4.82E-01	0.94
0	6.62E-01	1.58
0	2.12E-01	1.63
0	4.81E-01	1.30
0	1.92E-01	0.15
0	7.26E-02	8.85
4	5.81E-01	1.12
1	9.80E-01	1.01
0	7.40E-01	1.19
7	6.96E-01	0.93
784	5.61E-01	1.05
0	5.54E-01	0.53
0	9.65E-04	15.52
2	2.59E-01	1.63
0	9.46E-01	0.97
0	6.73E-01	0.68
0	5.67E-01	1.92
0	7.95E-01	1.35
64	9.68E-01	1.00
369	6.88E-01	1.04
0	8.00E-01	0.84

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1872	1.27E-01	0.57
1869	1.35E-01	0.58
89	3.02E-01	0.89
0	9.89E-01	1.01
12	6.04E-01	0.91
0	3.52E-01	0.45
946	3.39E-02	0.81
4	1.25E-01	1.41
0	2.10E-01	0.61
0	1.38E-01	0.20
0	9.60E-01	1.02
47	1.02E-01	0.82
0	3.64E-01	0.58
1	8.20E-01	0.95
1	6.03E-01	0.73
0	7.99E-01	0.92
1	9.44E-01	1.02
0	8.73E-01	1.15
105	2.42E-01	1.13
11	7.28E-01	1.06
1687	8.47E-01	1.04
1687	7.36E-01	1.06
1536	4.14E-01	1.13
0	5.35E-01	0.63
0	9.82E-01	1.03
0	2.29E-01	0.59
0	3.75E-01	0.59
1510	3.34E-01	1.15
0	7.29E-01	1.43
0	4.86E-01	0.39
0	4.34E-01	0.49
1	4.25E-02	1.77
0	8.63E-01	0.86
0	7.96E-01	1.21
0	7.26E-01	0.68
0	2.00E-01	2.38
6	1.53E-01	1.32
0	5.91E-01	0.65
0	3.68E-01	2.53
0	9.78E-01	0.97
2	3.71E-01	0.72
0	2.20E-01	0.22
0	3.86E-01	0.57

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	7.32E-01	1.49
0	6.65E-01	0.60
0	2.36E-01	0.27
0	6.37E-01	1.46
0	2.11E-01	0.58
0	6.77E-01	1.34
0	4.65E-01	0.54
0	8.84E-01	0.91
0	5.29E-01	0.74
5	4.29E-01	1.21
0	7.02E-02	0.10
0	3.22E-01	2.57
0	7.26E-01	0.81
0	2.25E-01	4.08
59	1.79E-01	0.85
34	4.02E-01	0.90
0	5.12E-01	0.63
2	2.32E-01	1.50
1	9.00E-01	0.95
0	5.68E-01	0.77
0	7.89E-01	0.83
0	6.72E-01	0.56
37	3.84E-01	0.90
105	6.63E-01	0.95
508	2.63E-01	0.90
0	4.69E-01	1.47
0	7.82E-01	1.19
0	7.19E-01	0.60
4	6.80E-01	0.92
0	1.15E-01	0.29
0	3.09E-01	2.29
0	3.11E-01	0.42
0	3.11E-01	2.86
0	4.34E-01	2.06
0	8.51E-01	0.80
1	8.58E-01	0.95
0	1.43E-01	0.22
1	8.02E-01	0.88
0	6.43E-01	0.53
10	3.05E-01	0.84
10	2.75E-01	0.83
0	1.34E-01	0.21
1	7.89E-01	0.76

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	9.62E-01	0.96
0	3.83E-01	2.54
0	6.50E-01	0.81
10	4.29E-01	0.87
0	6.37E-01	0.81
0	8.23E-01	0.79
0	1.82E-01	2.85
0	9.74E-01	0.98
3	2.71E-01	0.61
130	7.04E-01	1.04
0	5.38E-01	1.84
0	1.26E-01	4.18
0	7.73E-01	0.79
3	4.59E-01	0.73
1730	9.46E-01	0.99
0	5.04E-01	0.40
0	2.82E-01	0.25
0	9.05E-01	0.89
129	9.71E-01	1.00
3	1.42E-01	0.59
0	1.87E-02	7.51
695	3.90E-01	0.92
0	7.65E-01	1.35
92	5.52E-01	0.94
209	2.15E-01	0.89
1	2.28E-01	0.67
1	2.59E-01	0.69
0	4.25E-01	0.78
119	3.83E-01	1.09
119	3.83E-01	1.09
0	7.17E-01	0.90
0	3.42E-01	0.55
0	3.40E-01	0.74
0	6.47E-01	0.74
191	2.73E-02	1.24
0	3.17E-01	1.47
0	9.51E-01	0.94
2	1.84E-01	0.73
1	8.75E-01	0.93
609	8.41E-02	1.17
31	2.02E-01	1.19
5	5.00E-01	0.87
0	4.83E-01	0.38

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.04E-01	1.31
0	3.20E-01	0.48
0	5.45E-01	1.62
0	7.17E-01	0.86
0	5.36E-01	0.43
0	9.67E-01	0.96
0	7.80E-01	1.16
0	5.28E-01	0.71
0	9.66E-01	1.03
0	4.61E-01	2.35
0	9.80E-01	0.98
173	7.03E-01	1.04
0	4.53E-01	0.77
0	5.64E-01	1.43
0	1.36E-01	0.11
0	1.74E-01	0.19
5	3.94E-01	1.17
0	9.04E-01	1.13
7	2.05E-01	1.24
3	7.23E-01	1.08
0	3.37E-01	1.66
1140	4.96E-02	1.23
0	8.91E-01	0.89
0	5.87E-02	1.71
0	9.67E-01	1.03
0	9.64E-01	0.96
0	3.74E-01	0.49
0	5.92E-01	1.35
0	2.29E-01	3.82
0	6.16E-01	1.62
0	3.18E-01	0.52
0	9.44E-01	0.92
0	8.97E-01	1.14
1735	2.87E-01	0.81
13	1.77E-01	1.25
0	2.86E-01	1.43
0	6.86E-01	2.31
418	7.92E-01	1.02
6	3.12E-01	1.23
0	5.26E-01	2.22
5	3.00E-01	1.24
0	7.82E-01	1.30
0	4.87E-01	0.58

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.25E-01	1.25
0	4.87E-01	0.58
79	2.50E-02	1.27
8	2.37E-01	1.23
0	5.49E-01	0.79
0	5.53E-01	1.59
0	4.87E-01	0.58
0	9.63E-01	0.95
79	2.57E-02	1.27
0	5.57E-01	1.22
3	1.59E-01	0.68
0	5.36E-01	1.80
1	5.44E-01	1.15
1	2.75E-02	1.92
0	9.90E-01	1.01
1	4.15E-02	1.79
21	7.07E-01	1.06
0	4.04E-01	2.73
0	3.89E-01	2.05
13	1.44E-01	0.76
0	5.66E-01	1.68
13	1.67E-01	0.77
12	1.45E-01	0.76
0	3.20E-01	2.78
419	1.59E-01	0.88
0	4.44E-01	1.48
1	8.36E-01	0.94
0	5.94E-01	1.68
0	5.29E-01	1.59
0	8.66E-01	0.85
0	2.61E-01	0.23
0	7.19E-02	0.44
0	5.21E-01	0.54
0	8.91E-01	1.15
0	2.80E-02	0.28
0	8.56E-02	0.47
2	2.15E-01	0.73
1	5.05E-01	0.80
2	4.77E-01	0.86
526	5.92E-01	1.05
3	8.95E-01	1.02
0	8.29E-01	0.93
0	6.18E-01	1.55

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	8.21E-02	0.21
18	8.79E-01	0.98
93	2.75E-01	0.89
0	5.51E-01	1.95
0	4.29E-01	1.89
0	3.17E-01	1.48
823	1.54E-02	0.80
8	8.63E-01	0.97
473	4.22E-03	0.77
5	2.18E-01	1.27
17	1.92E-01	1.21
828	1.12E-01	0.86
0	9.22E-01	1.09
0	8.29E-01	0.84
0	8.47E-01	1.22
0	8.34E-01	1.21
0	2.95E-01	1.78
0	8.76E-02	0.14
1	2.37E-01	1.46
0	8.28E-01	1.07
0	1.92E-01	0.55
173	6.65E-01	0.96
125	2.55E-01	1.12
183	8.16E-01	0.98
0	9.09E-02	0.21
5	4.86E-01	1.15
0	2.66E-01	2.08
0	4.51E-01	0.60
0	9.14E-01	1.18
1340	1.69E-01	0.85
17	7.96E-01	1.04
1922	1.00E+00	0.97
12	3.50E-01	0.85
0	6.79E-01	0.68
0	9.54E-01	0.93
1243	9.97E-01	1.00
0	3.00E-02	5.95
0	5.92E-01	0.58
1	3.25E-01	1.88
79	1.80E-01	1.16
0	3.02E-01	2.40
0	9.96E-01	1.01
0	1.53E-01	2.82

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.79E-01	1.29
1	6.37E-01	0.80
1229	3.96E-01	0.91
947	1.85E-01	0.88
0	2.19E-01	1.83
0	9.76E-01	0.95
0	4.38E-01	2.11
0	5.52E-01	0.45
1334	6.37E-01	1.06
0	3.83E-01	2.63
0	9.86E-01	1.03
0	8.82E-01	1.05
5	7.13E-01	0.92
1	9.64E-01	1.01
1	4.59E-01	1.26
0	6.13E-01	0.71
12	5.15E-01	0.90
0	2.59E-01	2.62
0	5.63E-01	1.80
8	1.27E-01	0.73
0	9.84E-01	1.02
0	3.51E-01	0.58
637	9.87E-01	1.00
0	4.24E-01	1.50
285	3.92E-01	0.92
59	2.81E-01	1.13
0	9.49E-01	1.06
0	7.20E-01	1.14
0	4.49E-01	1.72
71	7.87E-01	1.03
101	5.78E-01	1.06
351	5.60E-01	1.05
0	1.35E-01	2.55
0	2.61E-01	2.80
0	8.85E-01	0.87
0	7.51E-01	0.73
0	6.63E-01	1.35
0	3.84E-01	0.51
2	8.27E-01	0.94
648	7.01E-02	0.85
0	6.86E-01	0.87
0	4.58E-01	0.64
1	3.04E-01	0.60

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

724	1.14E-01	0.87
0	9.03E-01	1.10
386	1.96E-01	0.89
5	8.05E-01	1.05
4	2.22E-02	0.54
386	1.96E-01	0.89
0	8.51E-01	0.93
385	1.96E-01	0.89
0	4.58E-01	0.62
1734	5.87E-01	0.89
0	2.05E-01	0.38
0	4.57E-01	0.36
0	7.51E-01	1.29
0	9.06E-01	1.22
0	7.87E-01	1.28
0	8.61E-01	1.20
0	3.71E-01	1.56
1	1.96E-01	2.99
595	2.86E-01	0.91
171	1.16E-01	1.17
0	3.91E-01	2.50
0	2.07E-01	0.42
0	9.53E-01	1.04
0	4.72E-01	1.68
1	4.63E-01	1.32
0	9.17E-01	1.06
112	1.81E-01	1.15
2	6.65E-01	1.13
0	9.79E-01	0.99
0	1.91E-01	0.15
1007	2.35E-01	0.89
12	4.21E-01	0.88
0	8.96E-01	1.08
0	9.39E-01	0.93
194	3.23E-01	1.10
194	3.23E-01	1.10
190	4.44E-01	1.08
190	4.05E-01	1.08
241	6.44E-02	1.19
2	4.47E-01	0.82
0	7.19E-01	0.59
0	5.60E-01	0.56
0	2.51E-01	3.94

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.69E-01	0.68
0	5.56E-02	4.68
0	6.25E-01	1.48
199	9.10E-01	1.01
0	3.06E-01	0.34
0	6.87E-01	1.23
0	9.66E-02	4.81
2	2.47E-01	1.41
0	3.65E-01	2.84
0	5.47E-01	1.31
27	2.80E-01	0.85
0	2.16E-01	0.21
0	6.81E-01	0.81
2	2.85E-01	1.38
25	5.44E-01	0.91
0	5.96E-01	1.73
0	3.33E-01	0.37
0	7.26E-01	1.30
0	5.45E-02	0.06
1	5.46E-01	1.58
0	2.14E-01	3.97
1	5.46E-01	1.58
0	1.47E-01	3.78
0	7.00E-01	0.83
0	2.01E-01	0.33
0	1.67E-01	0.40
3	5.65E-01	0.86
0	1.58E-01	0.12
236	3.50E-01	0.92
161	9.25E-01	1.01
443	1.47E-01	0.88
441	4.41E-01	0.93
0	6.90E-01	1.47
0	4.29E-01	1.48
0	6.12E-01	1.33
0	4.79E-01	0.53
838	6.61E-01	1.04
0	9.54E-01	0.95
0	3.58E-01	2.20
0	6.10E-01	1.25
0	2.63E-01	0.42
0	6.09E-01	1.28
0	8.64E-01	1.12

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.39E-01	1.69
0	4.17E-01	1.61
1	4.82E-01	1.42
0	3.58E-01	0.58
0	9.45E-01	1.07
0	9.79E-01	0.96
0	7.91E-01	0.92
1	4.27E-01	0.73
0	8.02E-01	1.47
1	8.86E-01	0.93
4	5.41E-01	1.13
0	7.69E-01	1.16
158	8.79E-01	0.98
0	5.46E-01	1.54
1	2.37E-01	0.59
0	5.42E-01	1.83
0	7.13E-01	0.60
316	5.97E-01	1.05
0	7.12E-01	0.66
741	2.72E-01	1.11
0	5.28E-01	0.64
0	6.33E-01	0.52
0	1.11E-02	0.34
0	5.21E-02	4.16
0	1.37E-01	0.18
1	5.88E-02	2.30
0	1.85E-01	3.77
0	2.89E-01	0.25
1	9.50E-03	0.25
0	5.19E-01	0.60
0	5.58E-01	0.70
167	8.03E-02	0.84
0	1.39E-02	5.96
0	1.39E-02	5.96
1	9.48E-01	1.02
0	3.57E-01	2.72
0	5.76E-01	0.62
0	3.90E-01	0.34
0	2.02E-01	2.25
1	3.45E-01	1.28
0	1.76E-01	0.53
0	6.43E-01	0.52
0	9.06E-01	1.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	6.45E-01	0.52
0	1.59E-01	0.52
0	6.40E-01	0.52
0	1.54E-01	2.10
0	6.40E-01	0.52
156	4.56E-01	1.08
0	5.43E-01	0.44
169	4.01E-01	1.09
80	1.71E-01	0.86
0	4.01E-01	0.31
0	6.34E-01	1.61
399	1.75E-01	1.13
835	2.72E-01	1.11
0	7.04E-01	0.78
0	7.55E-01	0.69
104	5.41E-01	0.94
0	2.71E-01	1.93
217	3.77E-01	0.92
0	7.40E-01	0.75
0	8.64E-02	7.20
0	3.50E-01	1.82
0	4.12E-01	0.35
100	9.85E-01	1.00
13	8.25E-01	0.97
0	6.01E-01	0.56
0	6.01E-01	0.56
0	4.97E-01	1.85
2	8.39E-01	1.07
0	8.46E-01	1.37
0	4.65E-01	2.16
0	2.15E-01	1.39
46	5.94E-01	0.93
6	3.71E-01	0.82
1	4.92E-01	1.25
0	5.52E-01	1.48
0	8.29E-01	0.78
36	2.29E-01	1.16
1	8.03E-01	0.90
0	7.44E-01	0.62
290	7.69E-03	0.78
0	4.34E-01	0.77
1	3.22E-02	2.17
3	8.00E-01	1.07

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	5.84E-01	1.52
0	5.46E-01	0.64
0	6.77E-01	0.71
0	4.73E-01	1.36
903	6.34E-02	0.84
0	9.60E-02	2.65
0	9.19E-01	1.10
0	3.00E-01	0.30
897	1.73E-01	0.88
109	9.98E-01	1.00
0	6.40E-01	1.29
0	1.28E-01	0.14
108	8.77E-01	1.02
11	2.33E-01	0.82
19	1.02E-01	0.77
34	6.36E-01	1.07
0	7.19E-02	0.06
917	6.86E-01	1.04
0	1.74E-01	0.13
0	3.43E-01	1.57
956	5.49E-01	1.06
0	4.00E-01	1.92
0	1.26E-01	0.36
0	8.98E-02	2.27
0	5.96E-01	0.50
63	3.05E-01	0.88
9	2.82E-01	1.23
0	6.61E-01	0.82
0	6.65E-01	1.52
0	6.18E-01	1.32
0	2.41E-02	8.12
2	2.17E-01	1.32
0	2.40E-01	3.52
0	1.83E-01	3.04
23	5.81E-01	0.93
428	9.92E-01	1.00
8	9.84E-01	1.00
1	8.99E-01	0.96
0	7.02E-01	0.86
0	3.66E-01	1.47
263	8.44E-01	0.98
0	7.00E-01	0.87
0	6.93E-01	0.87

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	3.56E-01	2.15
22	3.73E-01	1.14
11	5.50E-01	0.91
26	6.99E-01	0.95
91	3.05E-01	0.89
0	7.84E-01	1.55
0	5.61E-01	1.33
680	9.11E-02	0.86
655	1.10E-01	0.87
286	4.49E-01	0.93
1142	9.92E-01	1.00
0	2.00E-01	0.36
0	8.39E-01	1.13
0	3.70E-01	0.51
0	1.77E-01	1.50
1	1.29E-03	0.31
1	1.56E-03	0.32
0	1.19E-01	2.13
0	8.12E-01	0.71
0	2.14E-01	2.15
0	8.73E-01	1.08
0	6.59E-01	1.70
0	1.19E-01	3.64
0	7.93E-01	1.15
0	3.46E-01	1.82
0	3.77E-01	0.26
0	2.74E-01	1.73
62	5.59E-01	1.07
0	2.09E-01	4.24
0	9.99E-01	1.00
0	8.92E-01	1.12
0	5.50E-01	1.37
0	4.57E-01	1.72
0	7.19E-01	0.57
0	3.16E-01	0.50
0	8.98E-01	1.13
51	1.66E-01	0.84
38	8.23E-01	0.97
4	2.39E-01	0.71
0	2.11E-01	1.92
0	1.49E-01	3.98
151	2.22E-01	1.13
135	1.83E-01	1.14

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

7	8.07E-01	1.05
557	2.50E-01	0.90
25	4.62E-01	1.11
48	5.22E-01	1.08
0	5.36E-02	0.22
1909	9.19E-01	1.10
0	9.62E-01	1.04
0	1.09E-01	3.35
0	1.43E-01	0.60
0	9.89E-01	0.98
0	5.41E-01	1.92
0	5.05E-01	0.68
82	9.10E-01	1.01
8	5.60E-01	0.89
0	9.09E-01	1.08
0	9.61E-01	1.03
0	9.58E-01	0.93
0	8.58E-01	0.86
0	8.63E-01	1.13
0	3.77E-01	1.88
55	9.75E-01	1.00
0	4.96E-01	0.52
54	8.78E-01	1.02
0	1.48E-01	0.19
1	7.10E-01	0.87
0	5.16E-01	0.71
0	2.78E-01	3.43
1	7.06E-01	0.87
1	9.17E-01	1.05
0	8.94E-01	1.23
0	1.62E-02	2.12
0	7.58E-01	0.68
0	9.54E-01	0.97
0	3.24E-02	4.33
0	6.71E-01	1.56
34	8.62E-01	0.98
0	3.03E-01	3.18
34	6.68E-01	1.06
0	8.35E-01	0.81
1619	6.23E-01	1.08
0	2.64E-01	0.42
0	3.44E-01	0.39
0	9.27E-01	0.95

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	4.94E-01	0.56
60	2.28E-01	0.86
124	8.29E-01	1.02
0	1.50E-01	0.28
0	5.25E-01	0.56
0	8.55E-01	0.81
58	6.53E-01	1.06
9	5.11E-01	1.13
65	5.58E-01	1.07
61	5.49E-01	1.07
57	4.74E-01	1.09
0	5.66E-01	0.56
0	4.29E-01	0.65
5	9.89E-01	1.00
0	5.97E-01	0.68
0	5.97E-01	0.68
0	3.85E-01	1.45
1677	2.29E-01	1.25
0	8.28E-01	1.24
0	5.59E-01	1.44
4	8.43E-01	0.95
0	8.91E-01	1.11
0	7.97E-01	0.86
1	2.60E-01	0.76
0	9.80E-02	0.08
0	1.58E-01	1.93
0	4.55E-01	0.51
9	1.37E-01	0.76
2	1.15E-02	0.20
0	2.77E-01	3.78
0	1.36E-02	9.27
0	7.18E-01	1.30
0	2.65E-01	0.25
0	6.81E-01	1.27
28	4.16E-04	0.59
0	9.01E-01	1.09
0	3.86E-01	0.32
2	3.85E-01	0.73
3	3.41E-01	0.80
0	3.72E-01	1.28
19	2.05E-03	0.60
19	1.78E-02	0.68
19	1.17E-02	0.66

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

1	1.41E-01	1.51
21	2.37E-03	0.61
21	2.37E-03	0.61
1119	1.96E-01	0.87
472	1.96E-01	1.12
0	8.03E-01	1.15
0	2.48E-01	1.77
366	2.82E-01	0.91
0	4.82E-01	1.52
27	5.87E-01	1.08
108	5.50E-02	1.22
0	5.53E-01	0.44
108	4.54E-02	1.23
46	6.61E-01	1.06
109	6.64E-02	1.21
103	1.17E-02	1.30
2	7.13E-02	0.58
22	5.20E-02	0.74
1889	7.98E-01	1.15
382	5.21E-01	0.94
0	1.01E-01	6.77
3	8.95E-01	0.97
0	4.99E-01	0.42
0	2.32E-01	1.52
0	3.41E-01	1.41
2	5.56E-01	0.82
12	6.22E-01	1.09
0	4.08E-01	1.50
0	7.55E-01	1.33
0	2.80E-01	0.35
0	3.70E-01	0.78
0	9.42E-01	0.93
1	3.31E-02	1.82
0	9.68E-01	1.04
0	5.74E-02	8.71
0	5.84E-01	0.72
0	9.62E-01	1.01
812	1.17E-01	0.87
6	9.21E-01	1.02
0	8.84E-01	1.16
282	7.85E-01	0.97
155	2.54E-01	0.89
0	1.63E-01	1.66

ACCEPTED MANUSCRIPT

ACCEPTED MANUSCRIPT

0	2.35E-01	3.24
0	1.36E-02	4.48
1	7.12E-01	1.10
1	8.99E-01	0.97
0	1.50E-01	3.50
0	9.47E-01	0.96
26	9.41E-01	0.99
25	9.76E-01	1.00
25	9.71E-01	1.01
0	3.22E-01	0.34
0	8.97E-01	1.11
1	3.89E-01	1.35
102	5.62E-01	0.94
0	1.32E-01	0.47
0	3.47E-01	0.46
0	6.49E-01	0.54
0	4.29E-01	0.33
0	6.84E-02	1.99
0	9.99E-01	1.00
0	5.92E-01	1.81
53	1.44E-01	1.19
0	3.95E-01	2.22
18	6.43E-01	1.08
3	8.60E-01	0.97
0	7.98E-01	1.29
3	4.24E-01	0.84
4	3.67E-02	1.71
0	6.55E-01	2.09
816	3.37E-01	0.91
1	9.77E-01	1.01
0	3.32E-01	0.54
0	4.19E-01	0.33
0	9.78E-02	6.96
0	1.68E-01	4.94
24	1.98E-01	1.21
8	6.04E-01	0.89
0	1.14E-01	3.57
0	3.67E-01	2.49
533	3.69E-01	1.08
36	2.82E-01	0.86
9	3.56E-01	0.86
2	4.29E-02	0.57
0	3.55E-01	2.77

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