# A common variant at the 14q32 endometrial cancer risk locus activates *AKT1* through YY1 binding

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## ABSTRACT

A recent meta-analysis of multiple genome-wide association and follow-up endometrial cancer case-control datasets identified a novel genetic risk locus for this disease at chromosome 14q32.33. To prioritize the functional SNP(s) and target gene(s) at this locus we employed an *in silico* fine-mapping approach using genotyped and imputed SNP data for 6,608 endometrial cancer cases and 37,925 controls of European ancestry. Association and functional analyses provide evidence that the best candidate causal SNP is rs2494737. Multiple experimental analyses show that SNP rs2494737 maps to a silencer element located within *AKT1*, a member of the PI3K/AKT/MTOR intracellular signalling pathway activated in endometrial tumors. The rs2494737 risk *A* allele creates a YY1 transcription factor-binding site and abrogates the silencer activity in luciferase assays, an effect mimicked by transfection of YY1 siRNA. Our findings suggest YY1 is a positive regulator of *AKT1*, mediating the stimulatory effects of rs2494737 increasing endometrial cancer risk. Identification of an endometrial cancer risk allele within a member of the PI3K/AKT signaling pathway, more commonly activated in tumors by somatic alterations, raises the possibility that well tolerated inhibitors targeting this pathway could be candidates for evaluation as chemopreventive agents in individuals at high risk of developing endometrial cancer.

## INTRODUCTION

Endometrial cancer [MIM: 608089] (cancer of the lining of the uterine corpus) is the fourth most diagnosed cancer in women in Europe and North America.[1, 2] To date, analyses of multiple genome-wide association study (GWAS) and follow-up datasets, comprising up to 7,737 endometrial cancer cases and 37,144 controls, have identified seven risk loci at genome-wide significance for this disease, including *HNF1B* [MIM: 189907],[3, 4] *CYP19A1* [MIM: 107910],[5] and novel loci on chromosomes 13q22.1, 6q22.31, 8q24.21, 15q15.1 and 14q32.33.[6] The lead SNP at the 14q32.33 locus, rs2498796, represents a single association signal located in the region of the *AKT1* [MIM: 164730] oncogene.[6] *AKT1* is a member of the P13K/AKT/MTOR intracellular signalling pathway affecting cell survival and proliferation.[7] This gene is of particular interest for endometrial cancer as increased PI3K/AKT/MTOR signalling is a common occurrence in endometrial tumors, and in aggressive subtypes in particular.[8] Somatic alterations in one or more members of the PI3K/AKT/MTOR signalling pathway are common, with *PTEN* [MIM: 601728] as the most frequently altered gene.[9] Moreover, high *PIK3CA* [MIM: 171834] copy number and elevated levels of phosphorylated AKT have been associated with aggressive disease.[8, 10, 11] Our previous bioinformatic analysis indicated that rs2498796 and other SNPs in high linkage disequilibrium (LD) with this SNP may also regulate other nearby genes *SIVA1* [MIM: 605567], *ZBTB42* [MIM: 613915], *ADSSL1* [MIM: 612498] and *INF2* [MIM: 610982].[6] Here, we detail *in silico* fine-mapping and bioinformatic investigation of an expanded set of genotyped and imputed SNPs at 14q32.33, derived from the meta-analysis dataset described above, and multiple laboratory analyses to identify the functional SNP(s) and target gene(s) increasing endometrial cancer risk at this locus.

## MATERIAL AND METHODS

Previously, meta-analysis of data for 7,737 endometrial cancer cases and 37,144 controls of European ancestry from three GWAS datasets (ANECS, SEARCH and NSECG) and two follow-up datasets (iCOGs and NSECG Phase 2) identified rs2498796 (OR=1.12 for the minor A allele, 95% CI:1.07-1.17, p-value=$3.55\times10^{-8}$) as the top SNP representing a single association signal at the 14q32.33 endometrial cancer risk locus.[6] For the current study we employed an *in silico* fine-mapping approach[12] previously used to fine-map other endometrial cancer risk loci,[4, 5, 13, 14] focussing on the 1Mb region surrounding rs2498796 (bases 104,743,220-105,743,220; NCBI build 37/hg19 assembly). The current analysis utilized genotyped and imputed SNP data for the three GWAS (ANECS, SEARCH and NSECG) and the iCOGs follow-up datasets and included a total of 6,608 endometrial cancer cases and 37,925 controls (details of these datasets can be found in [4, 5]). The Cheng et al. analysis had included a total of 420 genotyped and imputed SNPs with minor allele frequencies (MAF) ≥1% and information scores ≥0.9 per dataset within the focal region.[6] To expand the search for potentially functional SNPs we considered all genotyped and imputed SNPs (N=2,922) with MAF ≥1% and information scores ≥0.4 per dataset. As described previously[4], regional imputation to the 1000 Genomes v3 2012 release was conducted separately for each of the four datasets, based on inference panels of SNPs typed for each dataset, using IMPUTE v2.[15] Association testing was performed separately for each dataset using frequentist tests with a logistic regression model in SNPTEST v2.[16], and standard fixed effects meta-analysis using the beta estimates and standard errors per dataset conducted using METAL.[17] The regional association plot was created using LocusZoom.[18] Log-likelihood tests were used to determine the most likely causal SNPs by comparing the log-likelihoods obtained from the meta-analysis of our top SNPs ($P<10^{-6}$) with that of the most significantly associated SNP. SNPs with odds of 100:1 or better of being the top SNP were prioritized as potential causal candidates for bioinformatic and functional analyses.[4, 19, 20] LD between SNPs was calculated from European Phase 3 1000 Genomes data and accessed from the National Cancer Institute LDlink tool.[21]

### *Bioinformatic analysis*

Bioinformatic analyses on SNPs prioritized by the log-likelihood tests were performed using publically available datasets from ENCODE[22], which includes information such as the location of promoter and enhancer histone marks, open chromatin, bound proteins and altered motifs for the Ishikawa endometrial cancer cell line. Data from Hnisz *et al.*[23] and PreSTIGE[24] was accessed to identify the location of likely enhancers and their gene targets in a cell-specific context.

### *Expression analyses*

Expression quantitative trait locus (eQTL) analyses were conducted using uterine tissue-specific data (N=70) generated by the Genotype-Tissue Expression Project (GTEx)[25], and SNP (Affymetrix 6.0 arrays), RNA-Seq and copy number (CNV) data for endometrial carcinoma samples (N=526) and normal tissue samples adjacent to endometrial carcinoma (N=29) obtained from restricted (SNP and RNA-Seq) and public (CNV) data portals of The Cancer Genome Atlas (TCGA).[26] For the TCGA data, to investigate the expression of all *AKT1* isoforms, including unannotated transcripts, unprocessed RNA-Seq FASTQ files were adapter trimmed using cutadapt (v1.8.1) and aligned to the Ensembl[27] GRCh37 reference (version 70) using STAR[28] (v2.4.2a). RNA-SeQC[29] (v1.1.8.1) was used to assess sequencing quality for all aligned data. Gene and transcript counts were estimated using RSEM[30] (v1.2.22). Genotypes for *AKT1* region SNPs present in the 1000 Genomes v3 2012 dataset which were not present on the Affymetrix 6.0 arrays were imputed using MaCH[31, 32] and minimac[33, 34] software. eQTL analyses were performed on transcripts expressed in >80% of samples using Kruskal-Wallis tests adjusting for copy number and sequencing method, with Bonferroni corrected p-values <0.006 (0.05/8 transcripts per SNP) considered statistically significant.

### *Cell lines*

Endometrial cancer cell lines Ishikawa and EN-1078D (both heterozygous for the SNPs under investigation) were grown in DMEM medium with 10% FCS and antibiotics. Cell lines were maintained under standard conditions, routinely tested for *Mycoplasma* and short tandem repeat (STR) profiled to confirm cell line identity.

### *Chromatin conformation capture (3C)*

3C libraries were generated using *Nco*I as described previously.[35] 3C interactions were quantitated by real-time PCR (qPCR) using primers designed within restriction fragments (**Table S1**). All qPCR was performed on a RotorGene 6000 using MyTaq HS DNA polymerase (Bioline) with the addition of 5 mM of Syto9, annealing temperature of 66°C and extension of 30 s. 3C analyses were performed in three independent 3C libraries from each cell line with each experiment quantified in duplicate. BAC clones covering the 14q32 region were used to create artificial libraries of ligation products in order to normalize for PCR efficiency. Data were normalized to the signal from the BAC clone library and, between cell lines, by reference to a region within *GAPDH* [MIM: 138400].[35] All qPCR products were electrophoresed on 2% agarose gels, gel purified and sequenced to verify the 3C product.

### *Electromobility shift assays (EMSAs)*

Gel shift assays were performed with Ishikawa and EN-1078D nuclear lysates and biotinylated oligonucleotide duplexes (**Table S2)**. Nuclear lysates were prepared using the NE-PER nuclear and cytoplasmic extraction reagents (Thermo Fisher Scientific) as per the manufacturer's instructions. Total protein concentrations in nuclear lysates were determined by Bradford's method. Duplexes were prepared by combining sense and antisense oligonucleotides in NEBuffer2 (New England Biolabs) and heat annealing at 80°C for 10 min and slow cooling to 25°C for 1 hr. Binding reactions were performed in binding buffer [10% (vol/vol) glycerol, 20 mM HEPES (pH 7.4), 1 mM DTT, protease inhibitor cocktail (Roche), 0.75 µg poly(dI:dC) (Sigma-Aldrich)] with 7.5 µg of nuclear lysate. For competition assays, binding reactions were pre-incubated with 1 pmol of competitor duplex (**Table S3**) at 25°C for 10 min before the addition of 10 fmol of biotinylated oligo duplex and a further incubation at 25°C for 15 min. For gel-supershift assays, 5 µg of rabbit polyclonal YY1 antibody (Santa Cruz H-414) or C/EBP antibody (Santa Cruz sc-150) was added immediately before probe addition. The rabbit pre-immune IgG (Santa Cruz sc-2027) was used as a negative control. Reactions were separated on 10% (wt/vol) Tris-Borate-EDTA (TBE) polyacrylamide gels (Bio-Rad) in TBE buffer at 160 V for 40 min. Duplex-bound complexes were transferred onto Zeta-Probe positively-charged nylon membranes (Bio-Rad) by semi-dry transfer at 25 V for 20 min then cross-linked onto the membranes under 254 nm ultra-violet light for 10 min. Membranes were processed with the LightShift Chemiluminescent EMSA kit (Thermo Fisher Scientific) as per the manufacturer's instructions. Chemiluminescent signals were visualized with the C-DiGit blot scanner (LI-COR).

### *Plasmid construction and reporter assays*

Promoter-driven luciferase reporter constructs were generated by the insertion of PCR amplified fragments containing *AKT1* canonical (can), *AKT1* alternative (alt) or *ZBTB42* promoters into the *Mlu*I and *Bgl*II sites of pGL3-Basic. A 2537 bp fragment containing a Putative Regulatory Element (PRE) identified by bioinformatic analysis was generated by PCR and cloned into *Bam*HI and *Sal*I sites of the modified pGL3-promoter constructs (**Table S4)**. The minor (risk-increasing) alleles of individual SNPs were introduced into the PRE sequences by overlap extension PCR or gBlocks (Integrated DNA Technologies). Sequencing of all constructs confirmed variant incorporation (Australian Genome Research Facility). Ishikawa and EN-1078D cells were transfected with equimolar amounts of luciferase reporter plasmids and 50 ng of pRL-SV40 transfection control plasmid with Lipofectamine 2000. The total amount of transfected DNA was kept constant at 600 ng for each construct by the addition of pUC19 as a carrier plasmid. Luciferase activity was measured 24 hr post-transfection by the Dual-Glo Luciferase Assay System. To correct for any differences in transfection efficiency or cell lysate preparation, *Firefly* luciferase activity was normalized to *Renilla* luciferase, and the activity of each construct was measured relative to the promoter alone construct, which had a defined activity of 1. Statistical significance was tested by log transforming the data and performing 2-way ANOVA, followed by Dunnett's multiple comparisons test in GraphPad Prism.

### *siRNA silencing for reporter assays*

Two Silencer Select siRNAs against YY1 (siYY1; s224779) and a Silencer Select nontargeting siRNA (siCON; 4390843) were purchased from Life Technologies (Thermo Fisher Scientific). For silencing, Ishikawa cells were co-transfected with the relevant luciferase reporter plasmids and 100 nM of either YY1 or non-targeting siRNAs with Lipofectamine 2000. Luciferase assays were performed as described above after 72 hr. qPCR was performed as described previously[36] to validate YY1 knockdown.

### *Chromatin Immunoprecipitation (ChIP)*

Ishikawa cells were cross-linked with 1% formaldehyde at 37°C for 10 min, rinsed once with ice-cold PBS containing 5% BSA and once with PBS, and harvested in PBS containing 1X protease inhibitor cocktail (Roche). Harvested cells were centrifuged for 2 min at 3000rpm. Cell pellets were resuspended in 0.35 mL of lysis buffer (1% SDS, 10 mM EDTA, 50 mM Tris-HCl, pH 8.1, 1X protease inhibitor cocktail) and sonicated 3 times for 15 sec at 70% duty cycle (Branson SLPt) followed by centrifugation at 13000 rpm for 15 min. Supernatants were collected and diluted in dilution buffer (1% Triton X-100, 2 mM EDTA, 150 mM NaCl, 20 mM Tris-HCl, pH 8.1). Two micrograms of antibody was prebound for 6 h to protein G Dynabeads (Life Technologies) and then added to the diluted chromatin for overnight immunoprecipitation. The magnetic bead-chromatin complexes were collected and washed six times in RIPA buffer (50 mM HEPES [pH 7.6], 1 mM EDTA, 0.7% Na deoxycholate, 1% NP-40, 0.5 M LiCl), then twice with TE buffer. To reverse the cross-linking, the magnetic bead complexes were incubated overnight at 65$^{o}$C in elution buffer (1% SDS, 0.1 M NaHCO3). DNA fragments were purified using a QIAquick Spin Kit (Qiagen). For qPCR, 2.0uL from a 100uL immunoprecipitated chromatin extraction and 40 cycles of amplification were used. All PCR products were sequenced by Sanger sequencing (AGRF). Antibodies used were anti-NFκB p50 (06-886), anti-YY1 (sc-1703-X) and control IgG (sc-2027). ChIP primers are listed in **Table S5**.

## RESULTS

### Association and likelihood testing at the 14q32.33 endometrial cancer risk locus prioritizes three SNPs for follow-up

A total of 2922 SNPs with MAF ≥1% and information scores ≥0.4 per endometrial cancer dataset were included in the fine-mapping analysis, representing 76.6% of the SNPs with a MAF ≥1% in the 1000 Genomes 2012 reference panel in this region (hg19 chr14: 104,743,220-105,743,220; **Table S6**). Considering SNPs correlated ($r^2$>0.2) with rs2498796, the previously reported top endometrial cancer risk SNP at this locus,[6] coverage was good, with >94% of correlated SNPs in the same 1000 Genomes reference panel represented in each dataset.

Association and log-likelihood tests prioritized two SNPs for bioinformatic and functional follow-up: rs2498794 (OR=1.13, 95% CI 1.09-1.17, p-value 8.7x10$^{-9}$) and rs2494737 (OR=1.13, 95% CI 1.08-1.17, p-value 2.5x10$^{-7}$; **Table 1** and **Table S7**). No other SNP was significant at $P$<1x10$^{-4}$ in analyses conditioning on rs2498794 or rs2494737 ($r^2$ to each other 0.54, Table S7), confirming the single association signal at this locus (**Figure 1**). As SNP rs2498796 (p-value 1.2x10$^{-6}$ in the current analysis, $r^2$ to rs2498794 0.43, and to rs2494737 0.83; **Table 1**) was the original endometrial cancer risk SNP reported for this locus, it was also included in the bioinformatic and functional analyses detailed below. Neither rs2498794 nor rs2494737 had been reported in our previous genome-wide analysis because of the more stringent imputation threshold used in that study

### The top candidate SNPs fall within a putative regulatory element (PRE) that frequently interacts with *AKT1* and *ZBTB42* promoter regions

Analysis of *cis* enhancer-gene interactions using data from Hnisz *et al*[23] and PreSTIGE[24] identified *AKT1*, *ZBTB42, SIVA1, ADSSL1* and *INF2* as potential candidate target genes of a PRE located in the region containing the top candidate SNPs (**Figure 2**). To determine the target gene(s) of the PRE, we performed chromosome conformation capture (3C) using an anchor primer within the PRE and primers within restriction fragments spanning all protein coding gene promoters within 2Mb of the PRE. The results showed that the PRE frequently interacted with a canonical and alternative promoter of *AKT1* and the *ZBTB42* promoter in both Ishikawa and EN-1078D endometrial cancer cells (**Figure 3a,b**). To assess any potential impact of SNP rs2494737 on chromatin looping, allele-specific 3C was performed in heterozygous Ishikawa cell lines. A primer was designed to incorporate the rs2494737 into the 3C PCR products, which were then Sanger sequenced. The sequence profiles indicate that the cancer risk- and non-risk-associated rs2494737 alleles form loops with the *AKT1* and *ZBTB42* promoters with equal efficiencies (**Figure S1**). No significant interactions were detected between the PRE and other flanking genes including *SIVA1, ADSSL1, INF2* and *CEPB170B* (**Figure 3a** and **Figure S2**).

### SNP rs2494737 affects the regulatory capability of the PRE on *AKT1* promoter regions

The regulatory capability of the PRE, combined with the effects of candidate SNPs, was examined in luciferase reporter assays in Ishikawa and EN-1078D cell lines. PRE constructs containing the reference (common, protective) alleles of the three candidate SNPs significantly reduced their associated target gene promoter activities, suggesting that the PRE can act as a transcriptional silencer (**Figure 4** and **Figure S3**). Inclusion of the minor (risk-increasing) allele of rs2494737 significantly increased the canonical and alternative *AKT1* promoter activities in both cell lines, but had no effect on the *ZBTB42* promoter. In contrast, inclusion of the minor (risk-increasing) alleles of SNPs rs2498796 and rs2498794 had no significant effects on *AKT1* or *ZBTB42* promoter activities (**Figure 4** and **Figure S3**).

### The risk allele of SNP rs2494737 binds the YY1 transcription factor

We used bioinformatic analyses and functional studies to examine DNA-protein interactions for the three candidate SNPs. *In silico* prediction tools including HaploReg[37] and Alibaba2[38] predicted all three SNPs to alter transcription factor (TF) binding (**Table S8** and **Figure S4**). We performed electrophoretic mobility shift assays (EMSAs) to assess binding of TFs to the common (protective) and minor (risk-increasing) alleles of each of these SNPs and showed allele-specific protein binding for rs2494737 and rs2498796 (**Figure 5a** and **Figure S5**). Competition with TF binding sites suggested that YY1 binds to the minor (risk-increasing) allele of rs2494737 and NF-kB binds to the common allele of rs2498796 (**Figure 5b** and **Figure S5**). No other predicted TFs were able to compete for binding at either site, including CEBPA, AP2 and CREB (**Figure S5**). Supershift assays using anti-YY1 antiserum indicated that the protein binding the minor allele of rs2494737 is likely to be YY1 (**Figure S6**). Chromatin immunoprecipitation (ChIP) in heterozygous Ishikawa cells confirmed occupancy of YY1 binding *in vivo* and showed it is preferentially recruited to the minor *A* (risk-increasing) allele of rs2494737 (**Figure 5c,d** and **Figure S7).** The importance of YY1 binding was confirmed in cotransfection assays that showed that two independent siRNAs against YY1 repressed the promoter activation in the presence of the minor *A* allele of rs2494737 (**Figure 5e** and **Figure S8**). We found no evidence of CEBPA binding to the rs2494737 site or NF-kB binding to the rs2498796 site *in vivo*.

### Gene expression analysis in uterine tissue

Association between SNPs in the *AKT1* region and *AKT1* mRNA expression was investigated in both normal and endometrial tumor tissue. In the GTEx dataset, with the three candidate SNPs as input, rs2497896 was associated with increased *AKT1* expression in normal uterine tissue (sample N=70, $P$=0.01, **Figure S9**), but no eQTL effect was detected for rs2494737 or rs2498794, suggesting a stochastic effect due to the reasonably small sample size as these

SNPs are in moderate to high LD with each other. Performing an eQTL search for *AKT1* in uterine tissue returned no results. However, including all GTEx tissues revealed all three candidate SNPs, and others in moderate to high LD, to be highly significantly associated with *AKT1* expression in thyroid tissue (N=278; rs2494737=$3.6x10^{-14}$, rs2498796=$5.10x10^{-25}$, and rs2498794=$6.1x10^{-19}$; **Table S7**), indicating these SNPs are eQTLs for *AKT1* in some cellular contexts. In the TCGA datasets, no SNP in the *AKT1* region was associated with differential *AKT1* expression of any isoform in normal endometrial tissue (N=29) or in endometrial tumors (N=526; **Figure S10**).

## DISCUSSION

In the largest association study for endometrial cancer to date, a recent meta-analysis of five GWAS and follow-up datasets revealed the presence of one multi-variant haplotype at the 14q32.33 chromosomal locus associated with the risk of this cancer.[6] In consideration of the fact that our genotyping platforms were not specifically designed for fine-mapping of this region, we conducted *in silico* fine-mapping of the 14q32 region using SNPs with imputation scores down to 0.4. We identified two SNPs as most likely to be the causal SNPs increasing endometrial cancer risk in this region: SNPs rs2498794 and rs2494737, in moderate and high LD, respectively, with the original hit at this locus rs2498796.[6] Multiple laboratory analyses then confirmed that rs2494737 has a functional impact on the *AKT1* oncogene, a gene of potential biological relevance to endometrial cancer risk as other PI3K pathway mutations have been detected in precursor lesions of complex atypical endometrial hyperplasia.[39]

Our fine-mapping, together with multiple lines of bioinformatic and experimental evidence indicate that rs2494737 is the functional SNP most likely to be relevant for endometrial cancer at the 14q32 risk locus. However, additional bioinformatic analyses indicated multiple regulatory elements across the region that contained several less significantly risk-associated SNPs. Additionally, our SNP coverage of the region was not complete, although ~98% of SNPs in at least moderate LD ($r^2$>0.2), and 100% of SNPs in high LD ($r^2$>0.8), with rs2498796 in the 1000 Genomes 2012 panel were also present in our datasets, and imputed to high quality scores (>0.71). Therefore, we cannot rule out the possibility that additional SNPs exert effects on *AKT1* expression via alternative mechanisms. For example, at the well-characterized 8q24 risk locus, multiple risk-associated enhancers interact with *MYC* in a tissue-specific manner.[40] Furthermore, a few recent studies have indicated that risk-associated SNPs may also influence epigenetic features,[41, 42] adding yet another layer of complexity to the control of gene expression.

Publicly available enhancer data from multiple cell types indicate that the region harboring rs2494737 may target a number of genes in the 14q32 region, some of which are highly plausible endometrial cancer candidate genes. Our 3C analyses show that in endometrial tumor cells the rs2494737 region specifically targets *AKT1* and *ZBTB42*, while luciferase assays showed that the rs2494737 minor *A* (risk-increasing) allele affects only *AKT1*, increasing the activity of both the canonical and an alternative promoter. Therefore, we expect the causal risk allele to result in increased expression of one or more *AKT1* isoforms *in vivo*. Although we observed no significant effect of the rs2494737 minor allele on overall or isoform-specific *AKT1* expression in normal uterine or endometrial tumor tissue, there are multiple possible explanations. One reason could be that the risk allele affects *AKT1* expression in endometrial epithelial cells that represent only a fraction of the total cells in a normal uterine sample, which is comprised of substantially more endometrial stromal cells as well as underlying myometrium. Any effect on expression may also occur only in specific cellular contexts. Further, the lack of association in the normal tissue sample sets examined may also be due to low power, with only 47% and 23% power to detect an effect of a SNP (MAF 0.3) explaining even 5% of the variance in *AKT1* expression in the GTEx and TCGA datasets, respectively. We had 99.9% power to detect the same effect in the larger (N=526) endometrial tumor dataset, although here any eQTL effect may be difficult to detect due to the overall increase in *AKT1* expression seen in endometrial tumor cells in general. The apparent discrepancy between eQTL results and our *in vitro* findings is not unprecedented: functional SNPs in the *CCND1* [MIM: 168461][36] and *MYC* [MIM: 190080][43] genes show no association with gene expression in human tumor cells, although one *MYC* region SNP (rs6983267) has been demonstrated to have a functional effect *in vivo*.[43]

AKT1, a serine/threonine kinase highly expressed in the endometrium,[44] regulates many processes including cell metabolism, proliferation, survival, growth and angiogenesis[45] and is already of considerable interest as a potential therapeutic target for endometrial cancer.[9,46] Activation of the PI3K/AKT/mTOR intracellular signalling pathway, of which AKT1 is a member, occurs in numerous cancers[9, 45] and up to 80% of endometrial tumors.[47] This pathway activation has been linked to somatic mutations and copy number alterations in various PI3K/AKT/mTOR pathway genes, including inactivating mutations and deletion of the *PTEN* tumor-suppressor gene and activating mutations or amplifications in the *PIK3R1* [MIM: 171833] and/or *PIK3CA* genes.[48] *AKT1* mutations are rare, with an oncogenic c.49G>A (p.Glu17Lys) mutation occurring in only ~2% of endometrial tumors,[10, 11] and activation is thought to result from the concomitant loss or activation of upstream pathway proteins.[48]

Our results indicate a possible additional mechanism whereby the presence of a common SNP allele results in increased *AKT1* transcriptional activity mediated through YY1 and results in an increased risk of endometrial cancer. YY1 is overexpressed in numerous cancers, including breast [MIM: 114480], prostate [MIM: 176807] and cervical cancers [MIM: 603956],[49] and was recently demonstrated to be over-expressed particularly in early stage (I and II) endometrial tumors, indicating this transcription factor could be a molecular marker of early tumor development.[50] Of note, YY1 knockdown using small inferring RNA (siRNA) and small hairpin RNA (shRNA) reduced YY1 protein levels, decreased cell proliferation and reduced cell motility of the AN3CA endometrial cancer cell line, while siYY1 injected directly into xenograft tumors in mice delayed endometrial tumor growth.[50] Although these data would suggest YY1 is a potential therapeutic target, transcription factors are notoriously hard to target with small molecules. The data presented here suggests that YY1 overexpression is oncogenic in part through upregulation of AKT expression, which is a signalling pathway that is more amenable to drug targeting.[51]

Activation of the AKT1 protein requires translocation to the plasma membrane followed by phosphorylation of the T308 and S473 residues: high levels of p-AKT1 are a marker of poor prognosis in endometrial and other cancers.[8, 52, 53] A large number of inhibitors targeting mTOR and/or PI3K have been tested in early clinical trials in multiple tumor types, however, toxicity issues have complicated their ongoing development and many have not been taken forward into large phase III trials. Several AKT inhibitors are also in development, and initial clinical activity recently reported in several different solid tumor types including breast, lung and gynaecological tumors carrying the AKT1 c.49G>A (p.Glu17Lys) hotspot mutation.[54, 55] There is a current emphasis on reducing systemic toxicities by optimising scheduling as well as evaluating nanoparticles to target these agents to tumors and reduce systemic exposure,[56] nonetheless it is unlikely that AKT inhibitors developed for treatment of metastatic disease will have an acceptable toxicity profile to be used as chemopreventive agents.

A promising alternative may be the re-positioning of the type 2 diabetes drug metformin. This drug has multiple mechanisms of action targeting both metabolism, by decreasing circulating glucose levels, as well as altering intracellular signalling by activating AMPK.[57] Activation of AMPK has been shown to inhibit mTOR, a downstream effector of PI3K/AKT signalling. Metformin is currently being evaluated in the adjuvant treatment of endometrial cancer[58] as well as large chemoprevention trials (e.g. the Diabetes Prevention Program Outcomes Study). It would be interesting to determine the outcome analyses from these large-scale chemoprevention trials if patients were genotyped and retrospectively stratified based on their germline *AKT1* risk alleles. Perhaps the ability of metformin to blunt mTOR signalling would be reflected in a greater decrease in endometrial cancer incidence in the *AKT1* SNP carriers treated with metformin.

Although our data indicate that *AKT1* is the likely target gene, it is possible that these SNPs also exert functional effects through long-range control of other genes under different conditions of cell activation or in other cell types, including nearby *SIVA1, ZBTB42, ADSSL1* and *INF2*. Notably, SIVA1 is reported to activate and suppress apoptosis, a process dysregulated in cancer. Among other roles, SIVA1 can inhibit p53 tumor suppressor functions and is mutated in up to 90% of aggressive endometrial tumors.[26, 59] ZBTB42 (zinc finger and BTB domain containing 42) is a poorly characterized member of the $C_2H_2$ zinc finger protein family[60]. It is highly expressed in subsynaptic nuclei in skeletal muscles underlying the neuromuscular junctions,[60] and may be involved in muscle development.[61] ADSSL1 (Adenylosuccinate Synthase Like 1) is a muscle isozyme that is selectively deleted in carcinogen-induced mouse lung adenocarcinomas.[62] While *INF2* (Inverted Formin 2) encodes a member of the diaphanous-related formin family, which is involved in remodelling the actin and microtubule cytoskeltons.[63] Mutations in this gene are reported to cause a form of autosomal-dominant focal and segmental glomerulosclerosis and Charcot-Marie-Tooth disease.[64, 65]

In conclusion, we have identified a common SNP allele associated with endometrial cancer risk that functions to increase *AKT1* expression through YY1-mediated transcription. Identification of an endometrial cancer risk allele within a member of the PI3K/AKT signaling pathway, more commonly activated in tumors by somatic alterations, raises the possibility that well tolerated inhibitors targeting this pathway could be candidates for evaluation as chemopreventive agents in individuals at high risk of developing endometrial cancer.

## SUPPLEMENTARY TEXT

Supplementary text for online publication is provided in the additional file:
Painter_et al_Supplementary_Text.doc

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## WEB RESOURCES

Online Mendelian Inheritance in Man (OMIM), http://www.omim.org/
National Cancer Institute LDlink tool, http://analysistools.nci.nih.gov/LDlink/
1000 Genomes, http://browser.1000genomes.org/index.html
Encyclopedia of DNA Elements at UCSC, http://genome.ucsc.edu/ENCODE/
Gene Expression Omnibus (GEO), http://www.ncbi.nlm.nih.gov/geo/
The Cancer Genome Atlas, www.cancergenome.nih.gov
PreSTIGE, http://genetics.case.edu/prestige/
LDlink, http://analysistools.nci.nih.gov/LDlink/
GTEx, www.gtexportal.org
QTL Genetic Power Calculator, http://pngu.mgh.harvard.edu/~purcell/cgi-bin/qtlassoc.cgi

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## FIGURE LEGENDS

**Figure 1. Regional association plot for the 14q32.33 endometrial cancer risk locus.** The location (Build 19) and $-\log_{10}$ p-value of the original top SNP at this locus, rs2498796,[6] is shown in purple, all other SNPs are shown in colors corresponding to their $r^2$ (linkage disequilibrium) value with rs2498796.

**Figure 2. Regulatory landscape at the 14q32.33 endometrial cancer risk locus. (a)** The location of the candidate SNPs are represented by black ticks, and the Putative Regulatory Element (PRE) is shown as a black box. Gene structures are depicted with exons (vertical boxes) joined by introns (lines). The subset of enhancers predicted in Hnisz *et al*[23] and PreSTIGE[24] which overlap the candidate causal SNPs are shown as colored bars, where the color matches its predicted gene target. Regions showing histone binding (H3K4Me1, indicative of regulatory regions; H3K4Me3, indicative of promoters; and H3K27Ac, indicative of active enhancers), *DNAseI* hypersensitivity (indicative of open chromatin, with darker shading indicating stronger experimental signal) and transcription factor (TF) binding in multiple ENCODE cell lines are indicated at the bottom of the panel. **(b)** Zoomed-in view of the location of candidate SNPs, PRE and nearby gene promoter regions.

**Figure 3. Candidate causal SNPs are located within a PRE that interacts with the *AKT1* and *ZBTB42* promoter regions. (a)** 3C interaction profiles between the PRE and local genes in Ishikawa and EN-1078D endometrial cancer cell lines. The 3C anchor (which contains the PRE) is shown as a grey box and significant interactions are outlined. **(b)** Zoomed-in view of significant interactions. *AKT1* Can and *AKT1* Alt denote a canonical and alternative *AKT1* promoter (prom) region, respectively. 3C libraries were generated with *Nco*I. Graphs represent three biological replicates. Error bars represent SD. Regions cloned into reporter gene constructs are shown as grey horizontal boxes.

**Figure 4. The risk allele of SNP rs2494737 enhances *AKT1* promoter activity.** Luciferase reporter assays following transient transfection of Ishikawa endometrial cancer cell lines. The putative regulatory element (PRE) containing the major SNP alleles were cloned downstream of target gene promoter-driven luciferase constructs. *AKT1* can and *AKT1* alt denote a canonical and alternative *AKT1* promoter (prom) region, respectively. Minor (risk-increasing) SNP alleles were engineered into the constructs and are designated by the rs ID of the corresponding SNP. Haplotype denotes a construct that contains the minor alleles of rs2498796 and rs2494737. Error bars denote 95% confidence intervals from three independent experiments performed in duplicate. P-values were determined by 2-way ANOVA followed by Dunnett's multiple comparisons test (**P<0.01, ****p<0.0001).

**Figure 5. The risk allele of rs2494737 demonstrates allele-specific YY1 binding. (a)** EMSAs to detect allele-specific binding of nuclear proteins. Oligonucleotides were incubated with Ishikawa nuclear extracts. Red arrowheads show bands of different mobility detected between the common (c) and minor (risk-increasing) (m) alleles for the candidate causal SNPs **(b)** Oligonucleotides for SNP rs2494737 were incubated with Ishikawa nuclear extracts. Red arrowhead indicates the band that was competed for complex formation on the minor

(m) allele. Competitor oligonucleotides are listed above each panel and were used at 100-fold molar excess: (-) no competitor; (Neg) a non-specific competitor; (YY1) consensus binding site; (YY1m) an identical oligonucleotide but with a mutated binding site. **(c)** ChIP–qPCR on SNP rs2494737 in heterozygous Ishikawa cell lines. ChIP assays were performed with YY1 antibody or non-immune IgG, a region 3.2kb upstream of the predicted YY1-binding site served as a negative control (Control). Graphs represent two biological replicates. Error bars denote SD. P-values were determined with a two-tailed t-test ($**p<0.01$). **(d)** Sanger sequencing of the PCR fragment generated using primers flanking SNP rs2494737 following YY1 ChIP-qPCR and the input DNA controls. **(e)** Luciferase assays in Ishikawa cells shows the effect of YY1 siRNA silencing on the activity of the *AKT1* canonical (can) and alternative (alt) promoter regions with the PRE containing the reference T allele (can+PRE; alt+PRE) or the risk A allele (rs2494737). Error bars denote 95% confidence intervals from three independent experiments performed in duplicate. P-values were determined by 2-way ANOVA followed by Dunnett's multiple comparisons test ($**p<0.01$, $***p<0.001$). The level of YY1 silencing is shown in **Figure S8**.

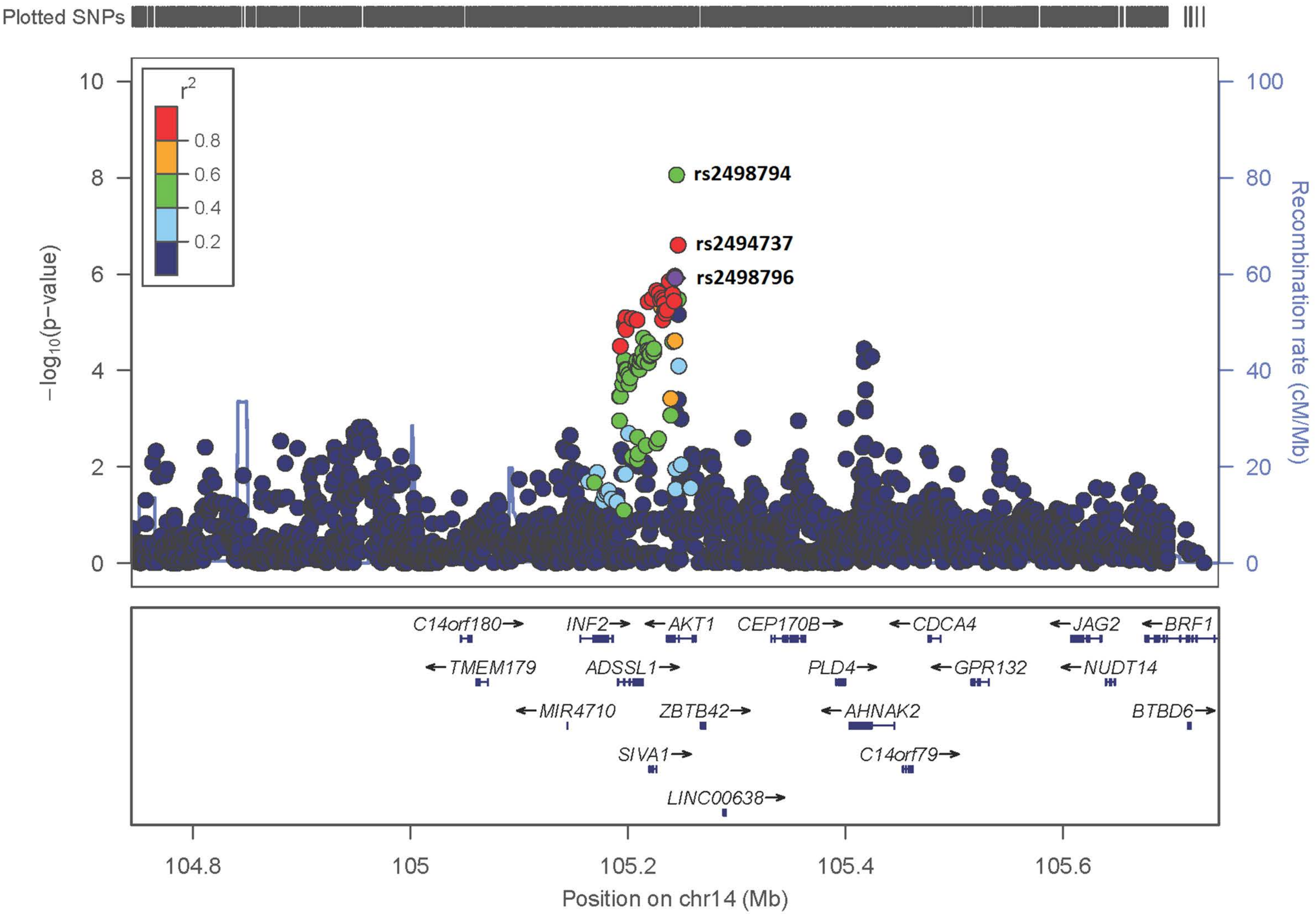
**Table 1. Association of the top candidate causal SNPs at chromosome 14q32.33 with endometrial cancer risk.**

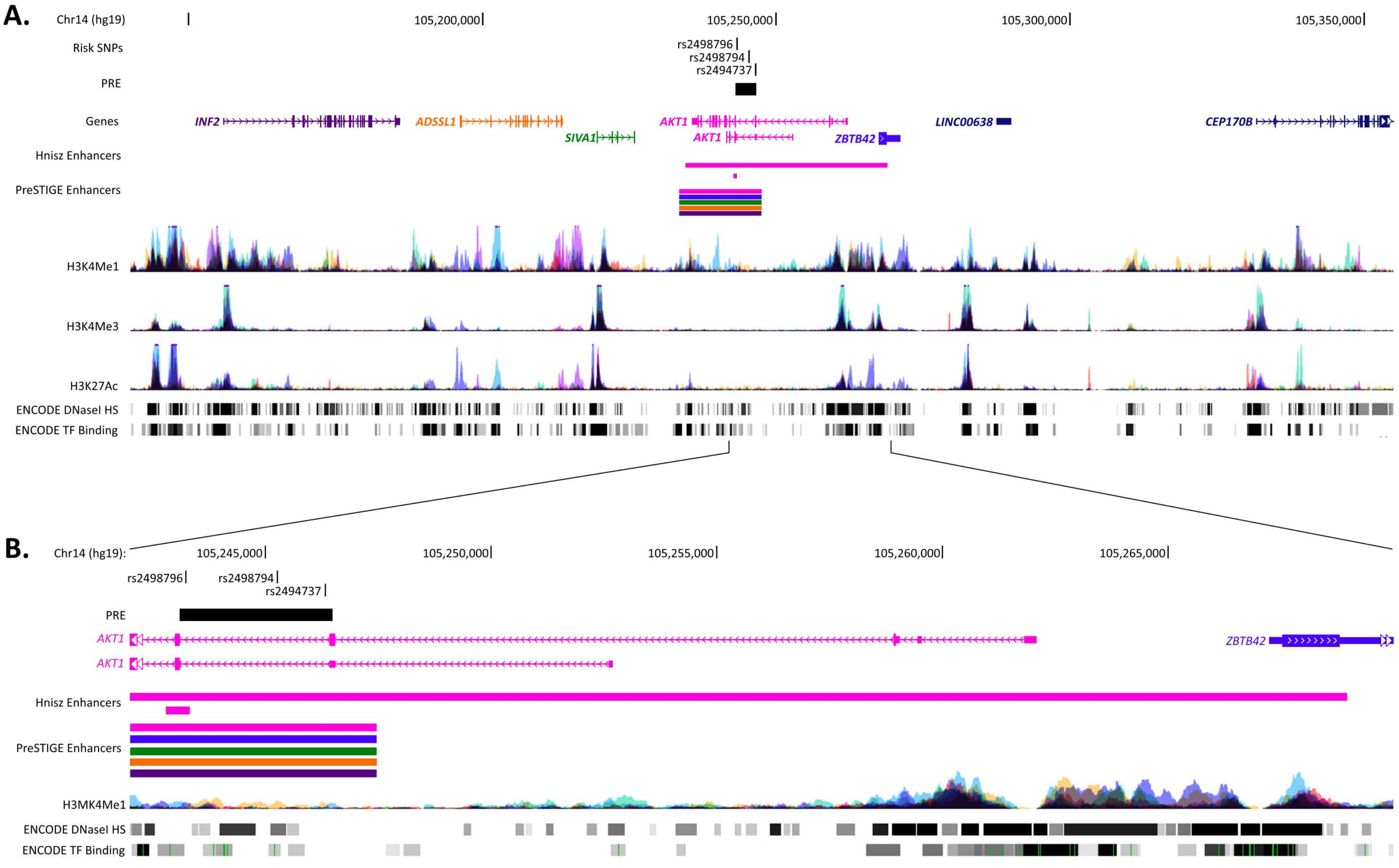
| SNP | Position (Build 19) | Minor allele | Common allele | MAF[a] | OR (95% CI)[b] | P-value | $r^2$ to rs2498796 | Likelihood ratio[c] |
|---|---|---|---|---|---|---|---|---|
| rs2498794 | 105245251 | G | A | 0.48 | 1.13 (1.09-1.17) | 8.7x10$^{-9}$ | 0.43 | 1 |
| rs2494737 | 105246325 | A | T | 0.30 | 1.13 (1.08-1.17) | 2.5x10$^{-7}$ | 0.83 | 26 |
| rs2498796 | 105243220 | A | G | 0.30 | 1.11 (1.07-1.16) | 1.2x10$^{-6}$ | -- | 120 |

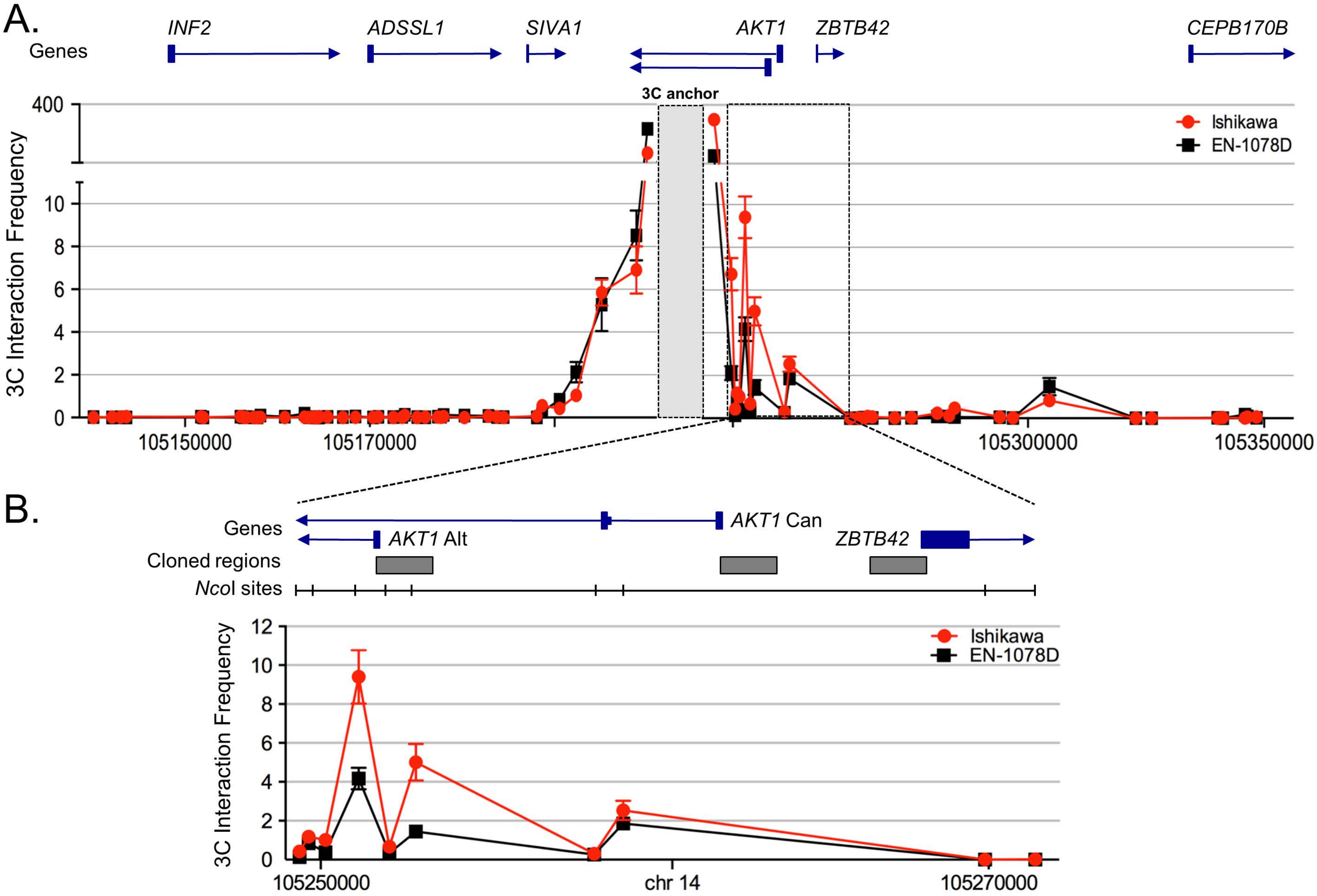
[a] Minor (risk-increasing) allele frequency

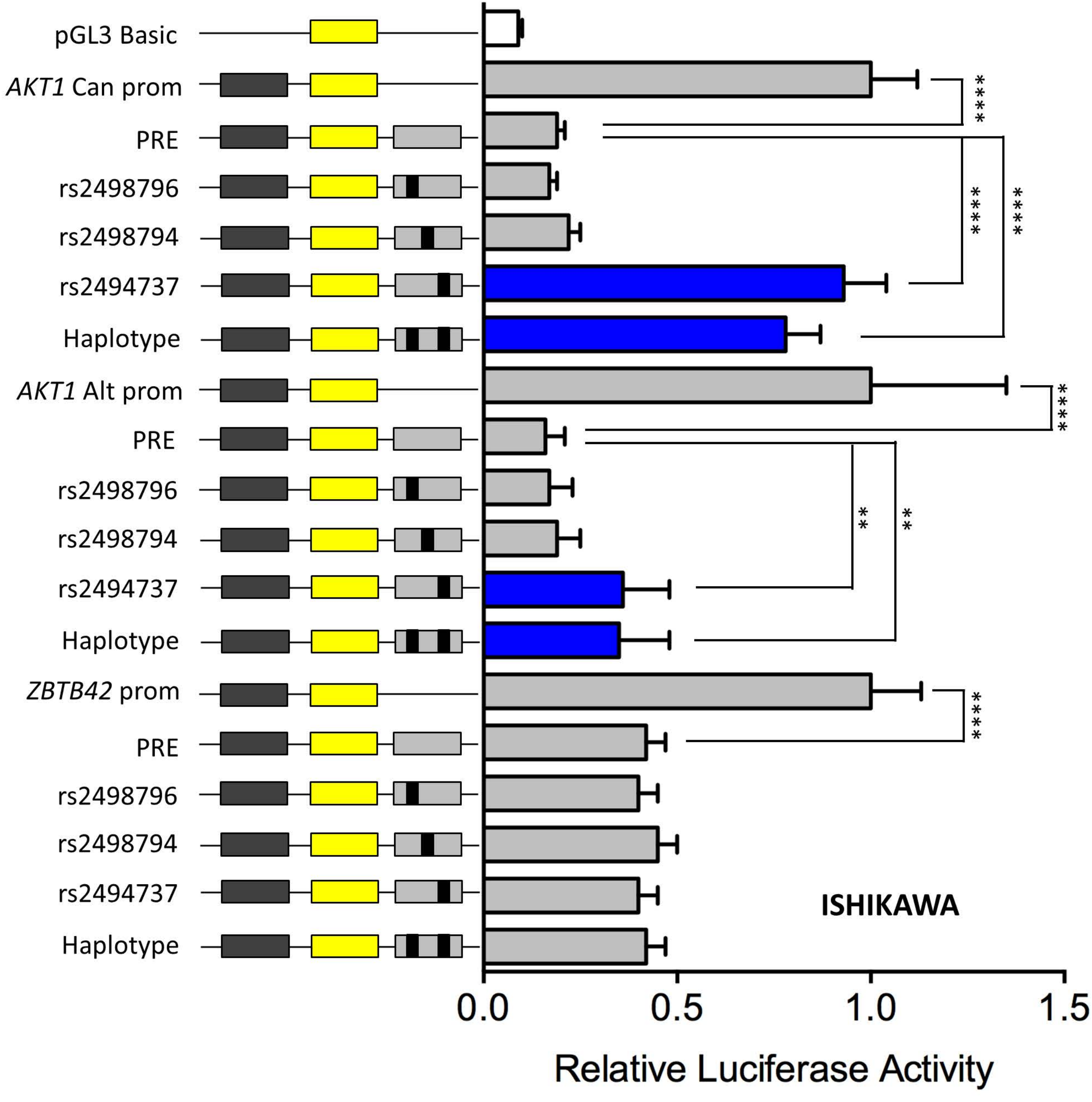
[b] OR for the effect allele

[c] Ratio of the likelihood of rs2498794 to the likelihood of this SNP

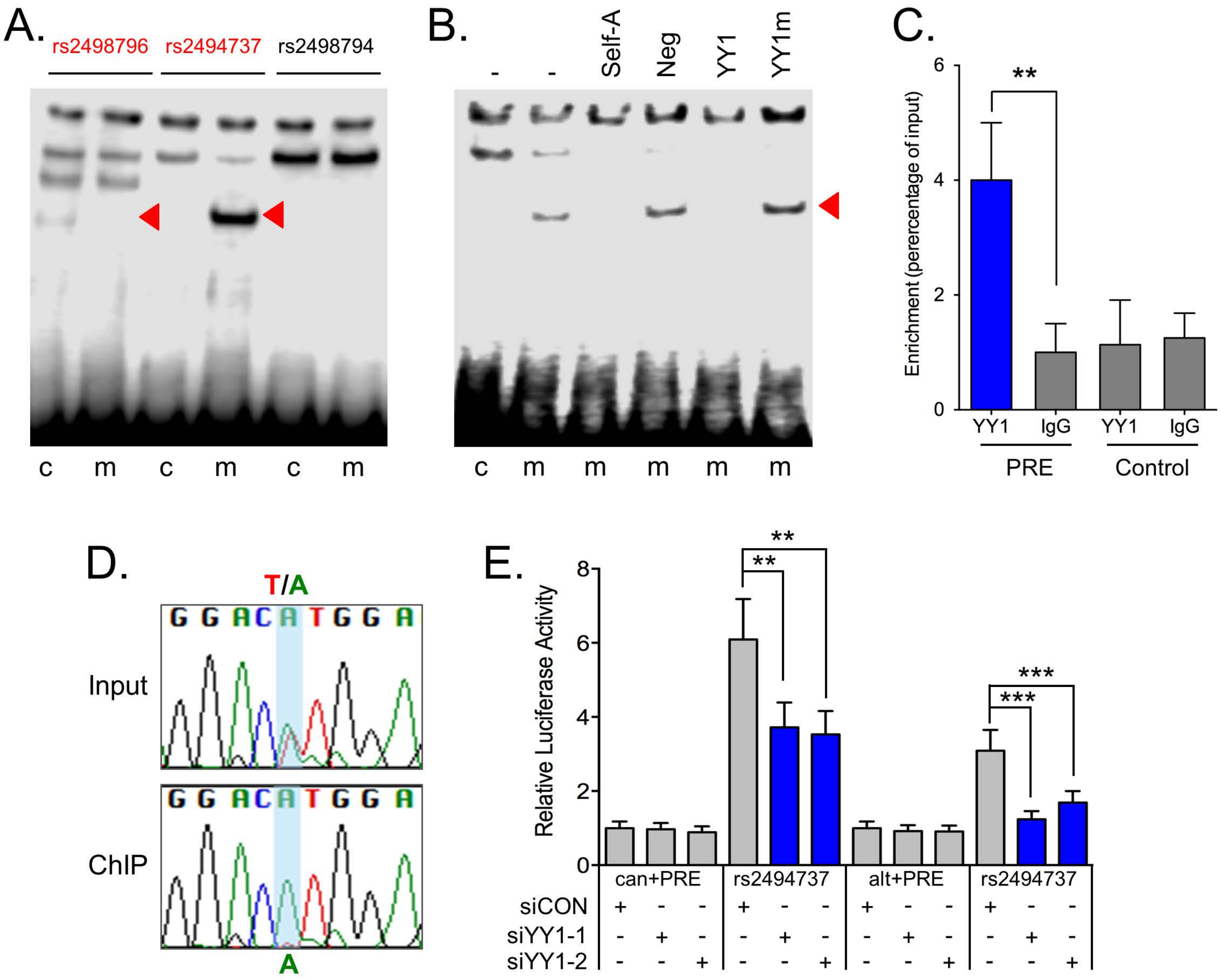

Plotted SNPs
10
8
6
4
2
0
−log₁₀(p−value)
r²
0.8
0.6
0.4
0.2
rs2498794
rs2494737
rs2498796
100
80
60
40
20
0
Recombination rate (cM/Mb)
C14orf180→
INF2→
←AKT1
CEP170B→
←CDCA4
←JAG2
←BRF1
←TMEM179
ADSSL1→
PLD4→
←GPR132
←NUDT14
←MIR4710
ZBTB42→
←AHNAK2
BTBD6→
SIVA1→
C14orf79→
LINC00638→
104.8
105
105.2
105.4
105.6
Position on chr14 (Mb)


A.
Chr14 (hg19)
105,200,000
105,250,000
105,300,000
105,350,000
Risk SNPs
rs2498796
rs2498794
rs2494737
PRE
Genes
INF2
ADSSL1
SIVA1
AKT1
AKT1
ZBTB42
LINC00638
CEP170B
Hnisz Enhancers
PreSTIGE Enhancers
H3K4Me1
H3K4Me3
H3K27Ac
ENCODE DNaseI HS
ENCODE TF Binding
B.
Chr14 (hg19):
105,245,000
105,250,000
105,255,000
105,260,000
105,265,000
rs2498796
rs2498794
rs2494737
PRE
AKT1
AKT1
ZBTB42
Hnisz Enhancers
PreSTIGE Enhancers
H3MK4Me1
ENCODE DNaseI HS
ENCODE TF Binding


A.
Genes
INF2
ADSSL1
SIVA1
AKT1
ZBTB42
CEPB170B
3C anchor
3C Interaction Frequency
400
10
8
6
4
2
0
Ishikawa
EN-1078D
105150000
105170000
105300000
105350000
B.
Genes
AKT1 Can
AKT1 Alt
ZBTB42
Cloned regions
NcoI sites
3C Interaction Frequency
12
10
8
6
4
2
0
Ishikawa
EN-1078D
105250000
chr 14
105270000



pGL3 Basic
*AKT1* Can prom
PRE
rs2498796
rs2498794
rs2494737
Haplotype
*AKT1* Alt prom
PRE
rs2498796
rs2498794
rs2494737
Haplotype
*ZBTB42* prom
PRE
rs2498796
rs2498794
rs2494737
Haplotype
****
****
****
****
**
**
****
ISHIKAWA
0.0
0.5
1.0
1.5
Relative Luciferase Activity


A.
rs2498796
rs2494737
rs2498794
c
m
c
m
c
m
B.
-
-
Self-A
Neg
YY1
YY1m
c
m
m
m
m
m
C.
Enrichment (perercentage of input)
6
4
2
0
**
YY1
IgG
YY1
IgG
PRE
Control
D.
T/A
G G A C A T G G A
Input
G G A C A T G G A
ChIP
A
E.
Relative Luciferase Activity
8
6
4
2
0
**
**
***
***
can+PRE
rs2494737
alt+PRE
rs2494737
siCON + - - + - - + - - + - -
siYY1-1 - + - - + - - + - - + -
siYY1-2 - - + - - + - - + - - +

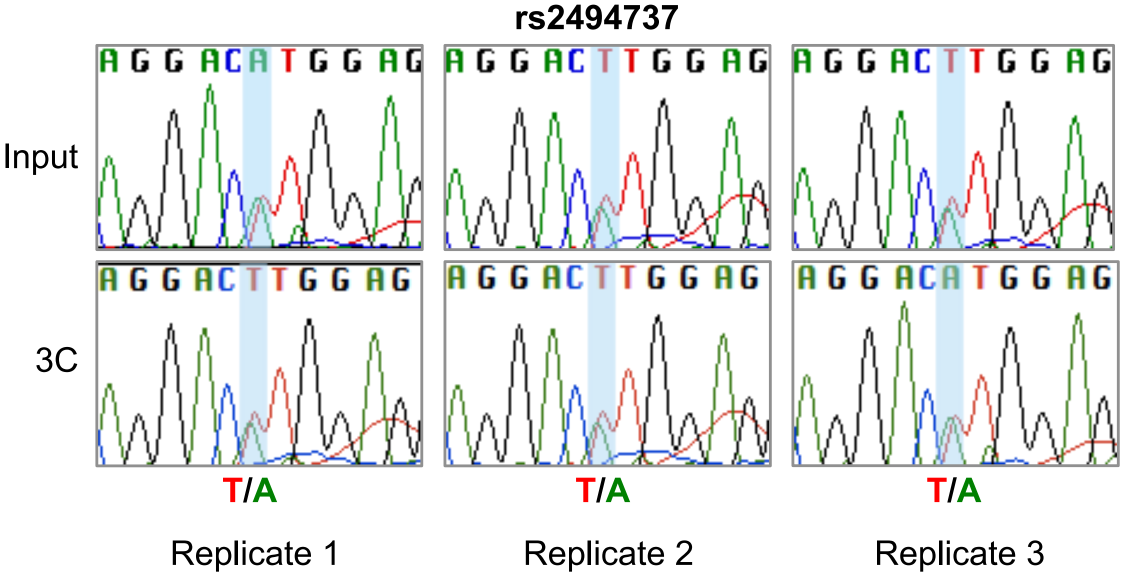


**Figure S1**. **Allele-specific 3C in Ishikawa endometrial cancer cell lines**. 3C followed by sequencing for the rs2494737-containing region in heterozygous Ishikawa endometrial cancer cells. Chromatograms represent three independent 3C libraries generated and sequenced. 3C libraries were generated with *Nco*I, with the anchor primer designed to incorporate the SNP into 3C PCR products.

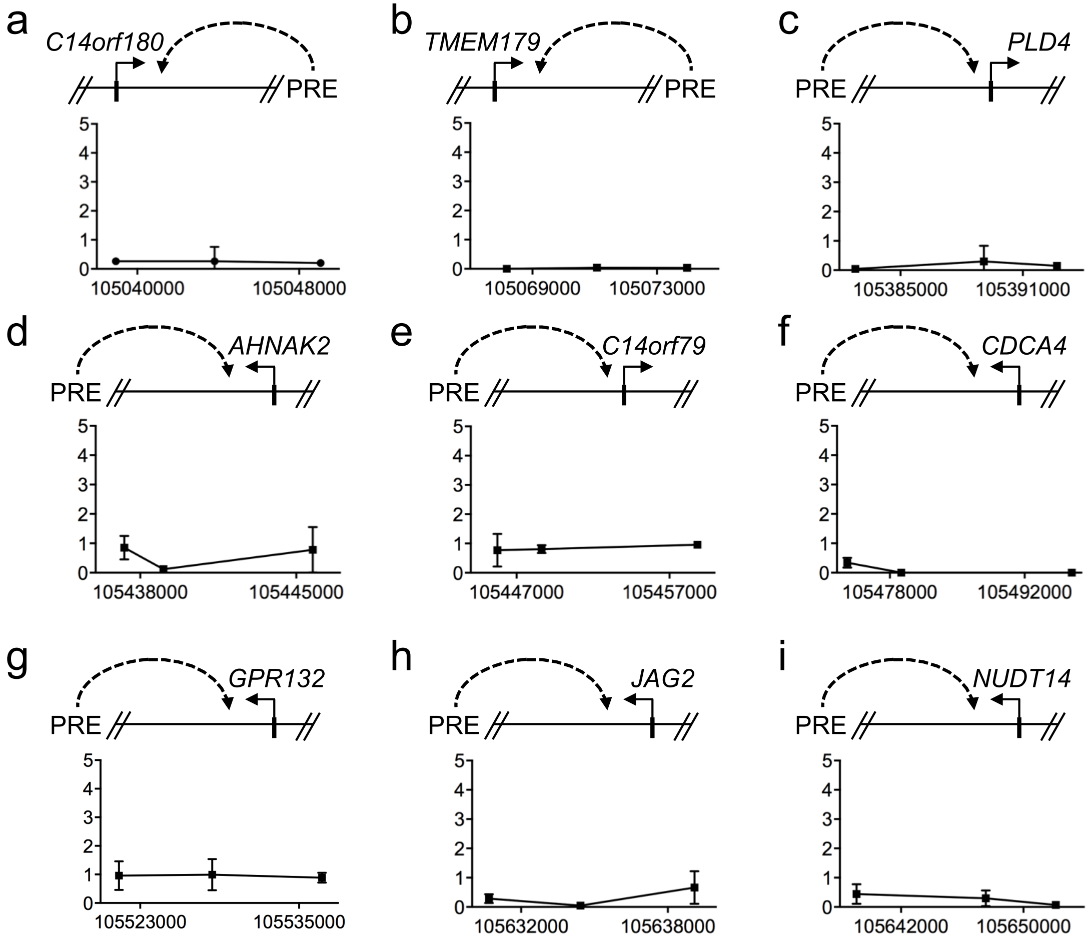


**Figure S2**. **Chromatin interactions at 14q32 in Ishikawa endometrial cancer cell lines**. 3C interaction profiles between the putative regulatory element (PRE; containing rs2498796, rs2498794 and rs2494737) and **(a)** *C14ORF180,* **(b)** *TMEM179,* **(c)** *PLD4,* **(d)** *AHNAK2,* **(e)** *C14ORF79,* **(f)** *CDCA4,* **(g)** *GPR132,* **(h)** *JAG2* and **(i)** *NUDT14* promoter regions. 3C libraries were generated with *Nco*I*,* with the anchor point set at the PRE. A physical map of the region interrogated by 3C is shown above. Graph represents three independent replicates. Error bars denote SD.

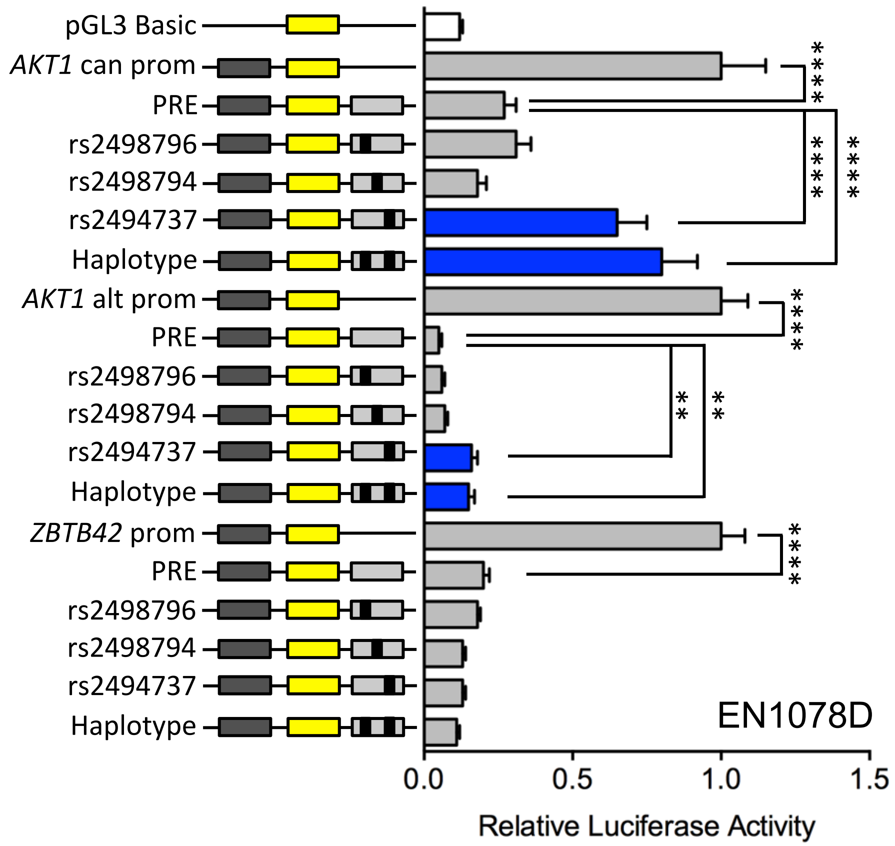
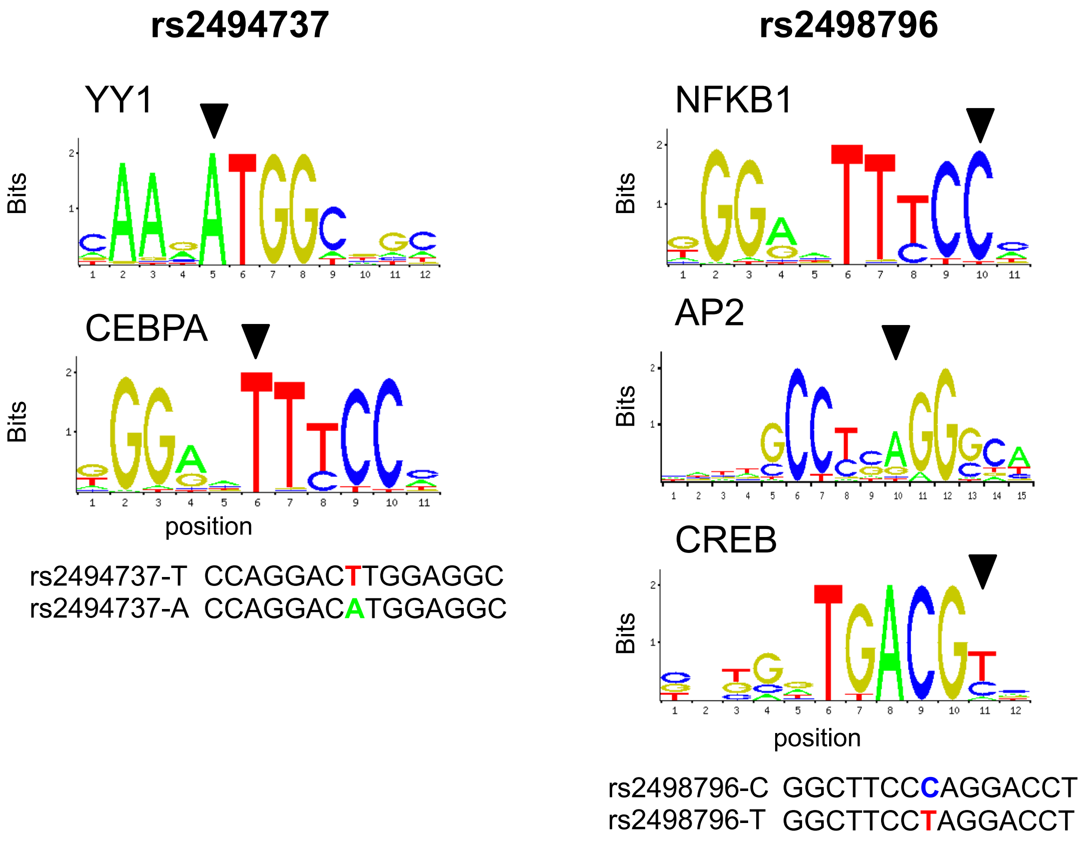


**Figure S3. Luciferase reporter assays in EN-1078D endometrial cancer cells**. The putative regulatory element (PRE) containing the major SNP alleles were cloned downstream of target gene promoter-driven luciferase constructs. *AKT1* can prom and *AKT1* alt prom denote a canonical and alternative *AKT1* promoter (prom) region, respectively. Minor SNP alleles were engineered into the constructs and are designated by the rs ID of the corresponding SNP. Haplotype denotes a construct that contains the minor alleles of rs2498796 and rs2494737. Error bars denote 95% confidence intervals from three independent experiments performed in duplicate. P-values were determined by 2-way ANOVA followed by Dunnett's multiple comparisons test (**P<0.01, *****P*<0.0001).



rs2494737-T CCAGGACTTGGAGGC
rs2494737-A CCAGGACATGGAGGC

rs2498796-C GGCTTCCCAGGACCT
rs2498796-T GGCTTCCTAGGACCT

**Figure S4**. **Transcription factor binding.** Position weight matrix (PWM) of YY1, CEBPA, NFKB1, AP2 and CREB from JASPAR, with homology to the risk-associated alleles of rs2494737 and rs2498796 colored below. Predicted SNP changes are indicated by black arrowheads.

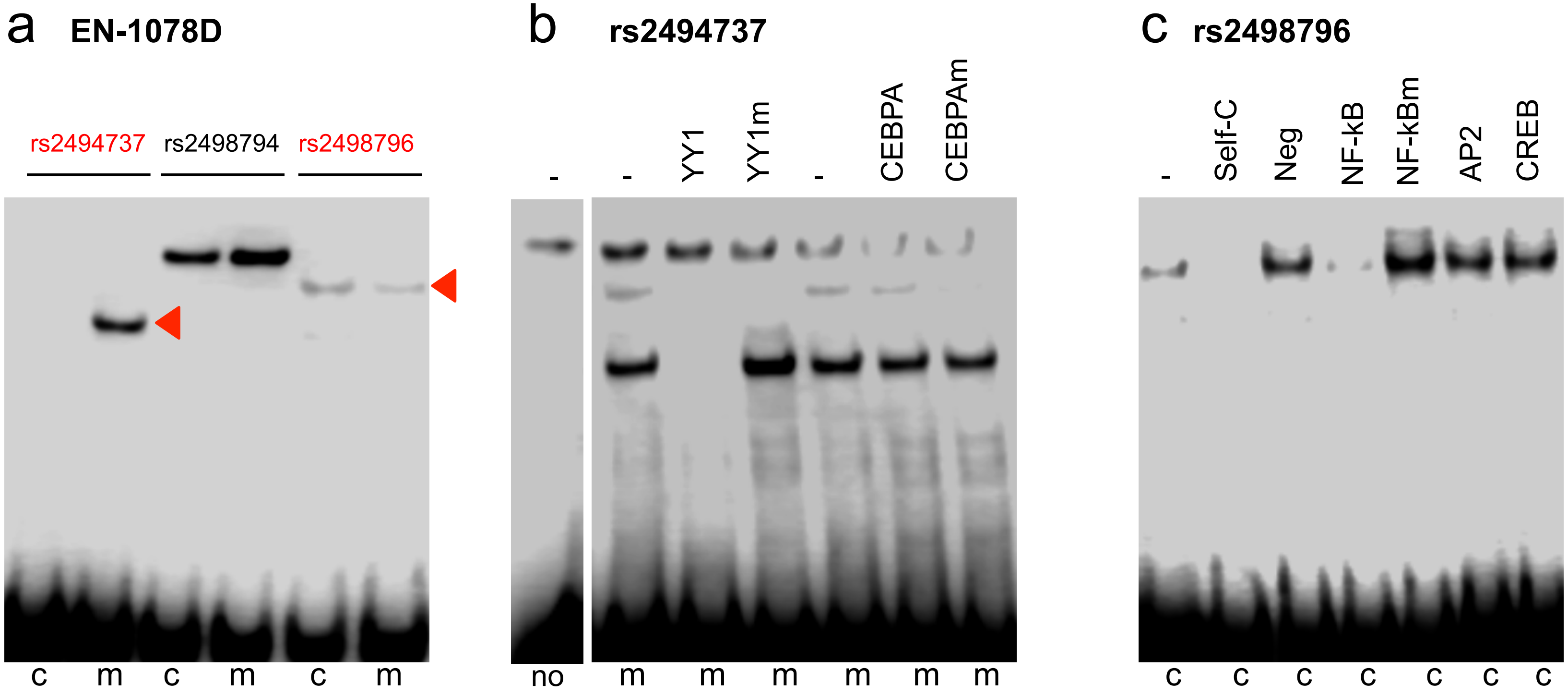


**Figure S5. EMSAs for candidate causal SNPs to detect allele-specific binding of nuclear proteins. (a)** Oligonucleotides were incubated with EN-1078D nuclear extracts. Red arrowheads show bands of different mobility or intensity detected between the common (c) and minor (m) alleles for the three candidate causal SNPs. Oligonucleotides for SNPs rs2494737 **(b)** and rs2498796 **(c)** were incubated with Ishikawa nuclear extracts. Competitor oligonucleotides are listed above each panel and were used at 100-fold molar excess: (no) no oligonucleotide; (-) no competitor; YY1 consensus binding site; YY1m, an identical oligonucleotide but with a mutated binding site (independent replicate of Figure 4a); CEPBA consensus binding site; CEBPAm, an identical oligonucleotide but with a mutated binding site; NF-kB consensus binding site; NF-kBm, an identical oligonucleotide but with a mutated binding site; AP2 and CREB consensus binding sites. Negative control (Neg) denotes a non-specific competitor.

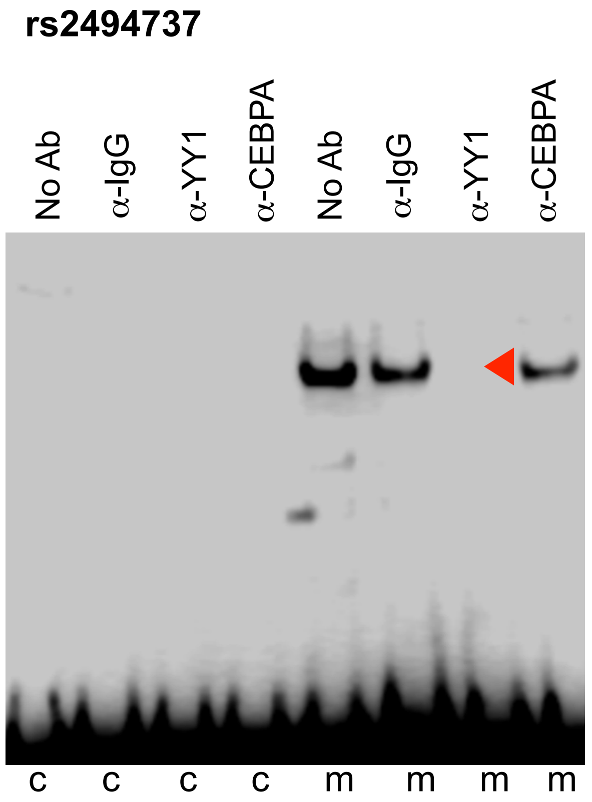
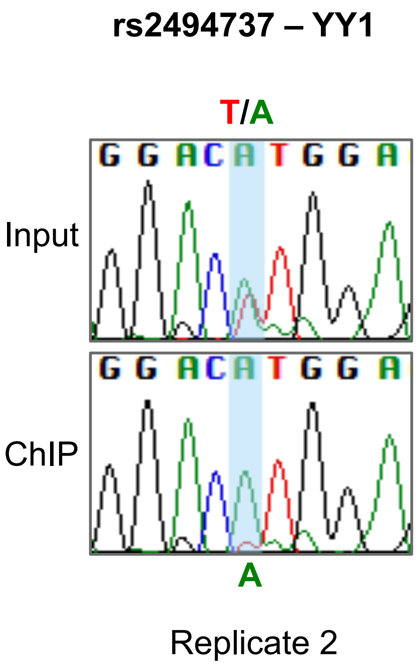


**Figure S6. EMSA-supershift for candidate causal SNP rs2494737.** Oligonucleotide duplexes for the common (c) or minor (m) alleles of SNP rs2494737 and antibodies against YY1 or CEPBA were incubated with Ishikawa nuclear extracts. Rabbit IgG was used as a negative control. The red arrowhead denotes the YY1 supershifted complex.



rs2494737 – YY1

**Figure S7. YY1 transcription factor binding *in vivo*.** Sanger sequencing of the PCR fragment generated using primers flanking SNP rs2494737 in heterozygous Ishikawa endometrial cancer cells following YY1 ChIP-qPCR and the input DNA controls. Primers are listed in **Table S5.**

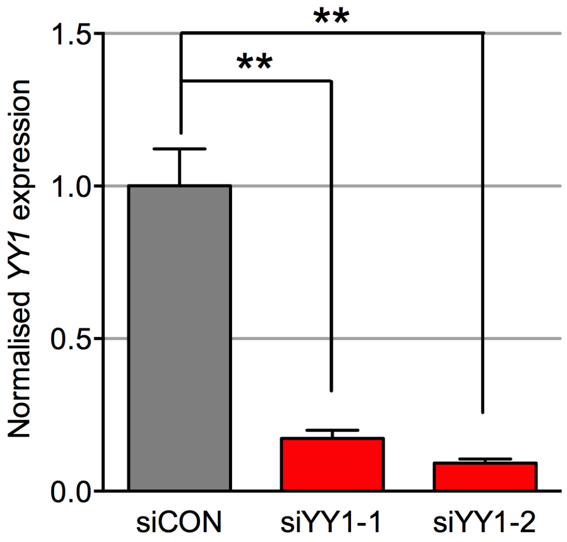


**Figure S8. TaqMan real-time PCR assays confirming knockdown of *YY1* in Ishikawa cells.** siCON is a nontargeting negative control and siYY1-1 and siYY1-2 are two independent siRNAs targeting *YY1*. Error bars denote the standard error of the mean from three experiments performed in duplicate. Statistical significance was determined by a paired t-test (***P*<0.01)

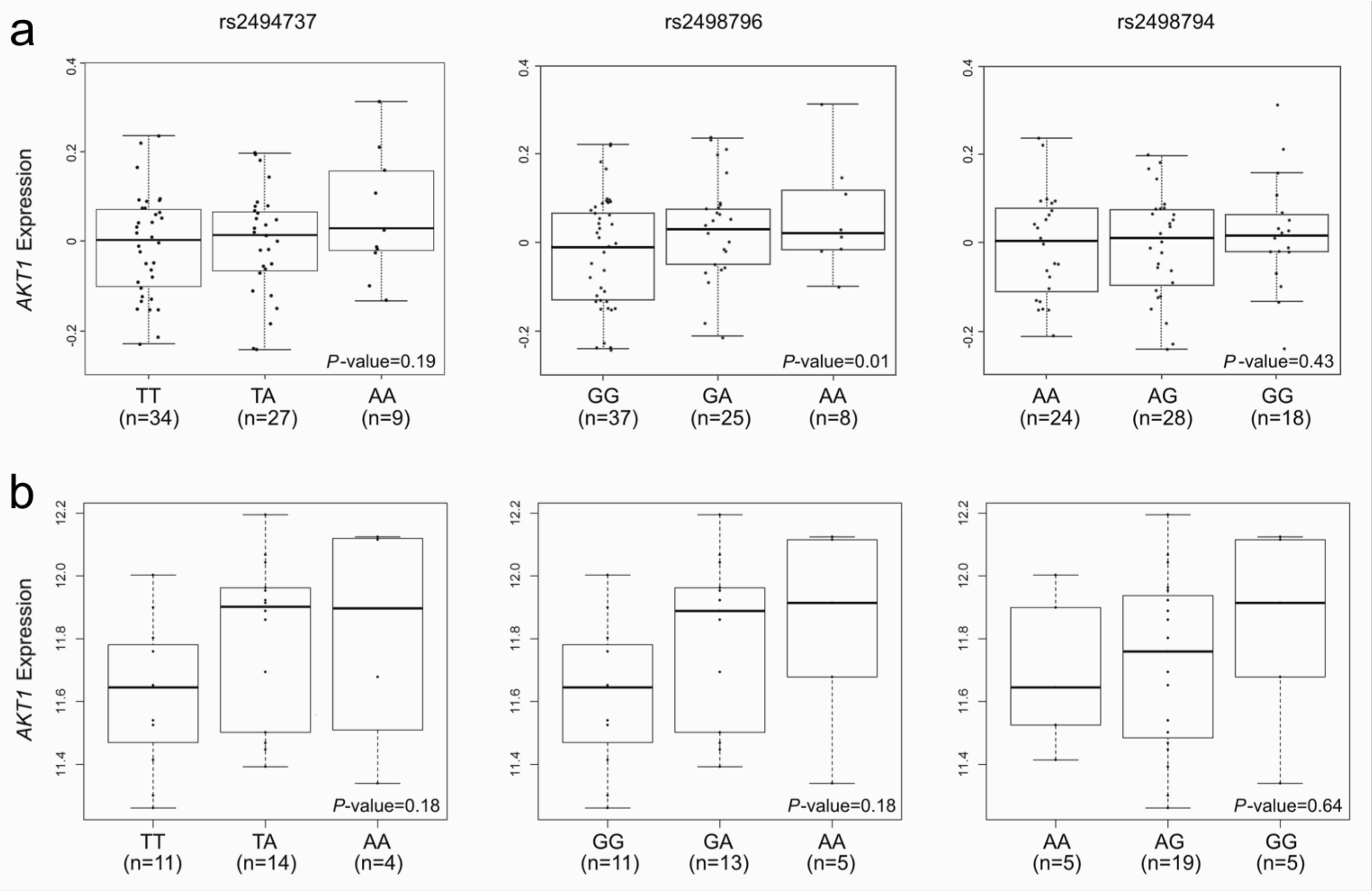


**Figure S9.** Associations of candidate causal SNPs with overall expression of *AKT1* in uterine samples from the **(A)** GTEx[1] database and **(B)** TCGA[2] dataset. The x-axis of each plot corresponds to the three observed SNP genotypes and the y-axis represents either log2-normalized gene expression values (GTEx) or RSEM gene expression values (TCGA). For the TCGA data, prior to the eQTL, analyses the expression data were adjusted to account for copy-number at the *AKT1* locus, and the three candidate SNPs were imputed with the following RSQR quality scores: rs2494737=0.57, rs2498796=0.72 and rs2498794=0.46.

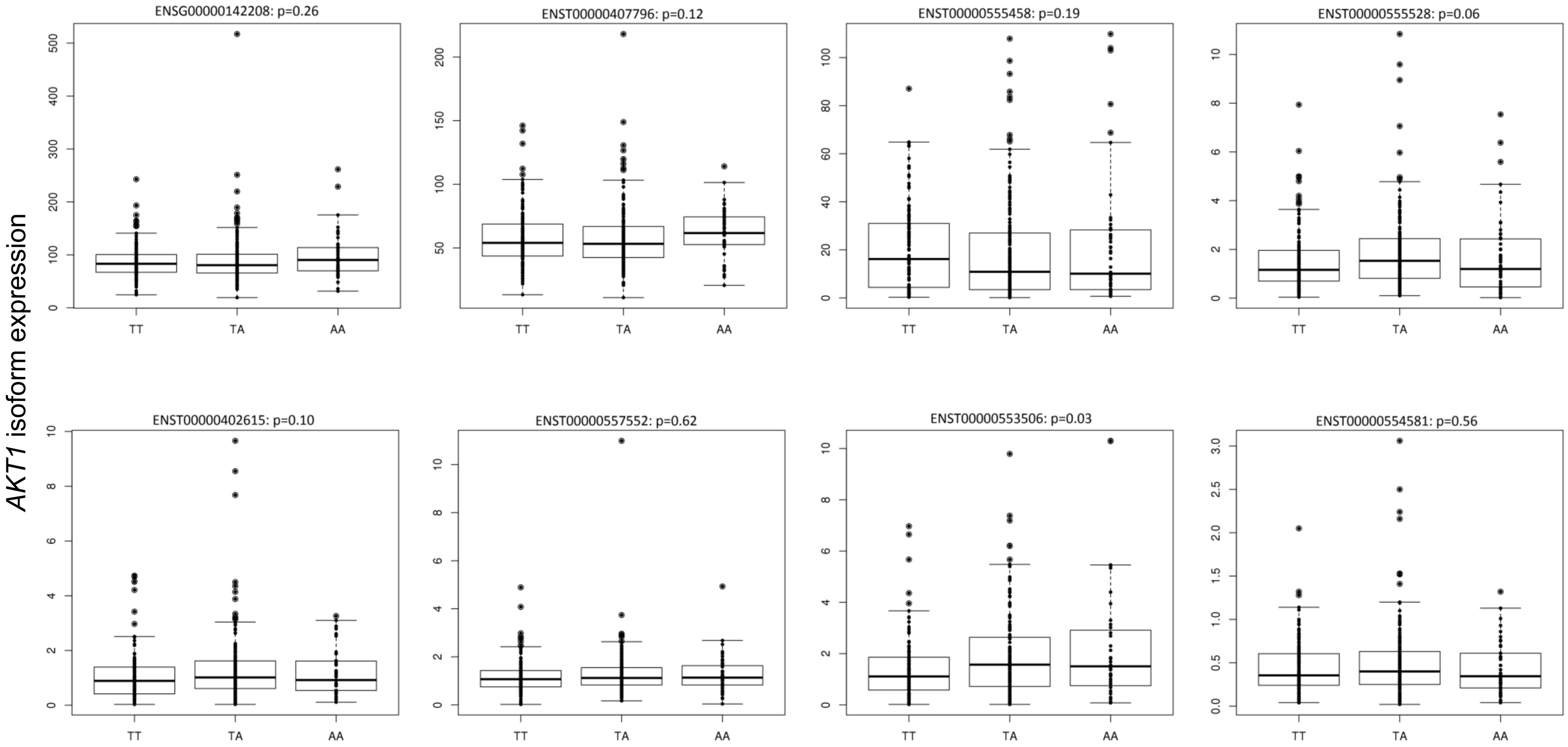


**Figure S10. Associations of SNP rs2494737 with expression of *AKT1* isoforms in endometrial tumour samples from the TCGA dataset**.[2] The *x*-axis of each plot corresponds to the three SNP genotypes and the *y*-axis represents the RSEM gene expression values for each isoform in 526 unique samples. Data was generated using single-read or paired-end RNA sequencing where SNP data was available. The main *AKT1* isoform is ENSG00000142208. Isoform ENST00000555380, corresponding to the 'alt' promoter examined in luciferase assays detailed above, was not expressed in the TCGA tumour or adjacent normal tissue datasets. Only isoforms for which expression was detected in >80% of samples are shown. Genotype at the risk SNP rs2494737 was not associated with differential expression for any isoform once multiple testing was taken into account (where the Bonferroni corrected *P*-value for a significant association was 0.05/8 transcripts=0.006). Results for SNP rs2494737 in adjacent normal tissue, and for SNPs rs2498794 and rs2498796 in tumour and adjacent normal tissue were all not significant (data not shown).

**Table S1.** Oligonucleotides used in 3C assays.

| 3C Primer (*Nco*I) | Sequence (5' to 3') |
|---|---|
| PRE bait | CGCTACAGGTAAGGAATAAAGCCACAGCAGG |
| Allele-specific PRE bait | CCTTAGGACTCAGCCTGGAGACTCCCACC |
| Fragment 1 | GCTGGCAGAGAGAAGCTGTGTATAAGCCTGG |
| Fragment 2 | CCTGTGTGCACATAGCTCAGGGTTCTGC |
| Fragment 3 | GCACAGTGTCTGGTTTCCTCCACTCAGC |
| Fragment 4 | GCTGAGAAGTGGAGTGGGATAAGACGATGATAGG |
| Fragment 5 | GGTGTGGGCGTTCTGAGAGAAATCCTCC |
| Fragment 6 | TGCACAGACATGAGTGGCCTGAGAACG |
| Fragment 7 | CAGTCTCACCCTGAATCAGAGCCGTCC |
| Fragment 8 | GGAGGATTCTGGTGACGAGCTCCTGG |
| Fragment 9 | TGACACATGCTGGAGGCTCAAAGGAGC |
| Fragment 10 | GAGCTCCCACACTGTGCTGTGGAAGG |
| Fragment 11 | ATGTAGGCATTCGGATGGAGGTGCTGG |
| Fragment 12 | GCCTCTGCTCGTGTTTTCTGCCTTTGC |
| Fragment 13 | ACCAGGAGGTCTTTGCCTCCCTGTTCC |
| Fragment 14 | GTGAGCTGCTCCCCGGTGTCTGC |
| Fragment 15 | CACTTCCTCCAGGGTGCATTCCTGG |
| Fragment 16 | GACGCGCACACAAGTTCCATGTGC |
| Fragment 17 | GACAGAGCACAACTCTATGTGGGCGTCC |
| Fragment 18 | GTTGAGGTTCAGGCTCTTCTTGGCATCG |
| Fragment 19 | GTTTAGCCACTACTTGTCTGTGGCCTTGTGG |
| Fragment 20 | GCAGGGTTTCCCCACGTAGTCATGG |
| Fragment 21 | GACACGTTCAGCACCATGAAGGCTTTCC |
| Fragment 22 | CATGTCCCCAGGAAGTCTGTGAGGAGACC |
| Fragment 23 | CTGCCAGTGTCCACCACAGCTCTGC |
| Fragment 24 | GTTGATGTGATGGCCAAGTTTCAGCTGC |
| Fragment 25 | GCTGCACCTGAATCACTAACTCAGTGTGAGC |
| Fragment 26 | ATCAGGTTCTTGCTTCAGAGCAGGGAGG |
| Fragment 27 | CGAGGAGGCCAGACCTGCTTTGTCC |
| Fragment 28 | CACATCACATCGTCTGCCTGTCTGTGC |

| | |
|---|---|
| Fragment 29 | AGACATGCAGTCCGCTAACGCTGTGG |
| Fragment 30 | CACTCAAGGCAGGTGTTCTGCACCATCC |
| Fragment 31 | GCACTCACTCTGTCTTTCCTGCCTCATGG |
| Fragment 32 | GATTCCCACAGCAAAGGCATCCAAGG |
| Fragment 33 | AGGTAGGGAAACTGAGAGAAGGGAAGCCTATCC |
| Fragment 34 | GCAGGAAACAAGGCCAAAGAGGCACC |
| Fragment 35 | GAACACCCTTGGGGCACACCTGATACTAGG |
| Fragment 36 | GGCTTGAGAGGGTGCAGGGATACATATCG |
| Fragment 37 | GGATCCGTGACCCTCACTTTCCTTGTGC |
| Fragment 38 | ACGTGCACTTTCCCCACAGCACAGC |
| Fragment 39 | TGCCTCCGGTGTGAAGAGGTGATGC |
| Fragment 40 | GTGTGATTTACCTGGTGCCGCTTGTGC |
| Fragment 41 | GAACTGGCTCCATAGACCCAAAGCAAGC |
| Fragment 42 | GCAGAAAGTAGGTAGAGGCCAGGAGGAAATGG |
| Fragment 43 | GGTCTGTCTCATTCACTGCCCTACCCAGG |
| Fragment 44 | AAGCAGCATCCTCAGAGCAGCTGGTCC |
| Fragment 45 | TCCTCACGTGTGCACATCACCTTATAGTCACC |
| Fragment 46 | CACACAAGCCACTGTCACCTGCTGTCG |
| Fragment 47 | CCACCCGCTGCACATGTTTCAGACC |
| Fragment 48 | GACCCTTAACCCTGTGACACTGCACCTATCC |
| Fragment 49 | GGACCACATGGACAGTCACAGGCAGC |
| Fragment 50 | AGGTGACCCTCAGAGGCAGATCATGACC |
| Fragment 51 | AGTGCTGGCCTCTCAATCCCTGACACC |
| Fragment 52 | GGAACTCCCGTTGGAGATGAGGAAGTAAGG |
| Fragment 53 | GCCTTCCAGGAAAGCCAGGAGAGAGG |
| Fragment 54 | CCCTAACCTGATGCACCAGCTGACAGG |
| Fragment 55 | GTTGGCCAAATGAATGAACCAGATTCAGACC |
| Fragment 56 | GTTGTGGTCTCCACATTCTATTCATGTTCGAGG |
| Fragment 57 | CAGCTGACTGCTAGAGCTGTCGTGGAAGC |
| Fragment 58 | CAATCCTGGCTGTCCCAGCTCTCAGG |
| Fragment 59 | CTCACTCAGTGGAGCTTCAGTATCTGCACTTCC |
| Fragment 60 | GGATGAACCCACACATTCCCTTCACTGC |
| Fragment 61 | CTAATTCAGATGGCAATTTGATCACTGCTGTCC |

| | |
|---|---|
| Fragment 62 | GACATCACACCATGTTCTGGCTGTAAGAATGG |
| Fragment 63 | AGTGTGGGTGAGCACTGTCCAATCTGAGG |
| Fragment 64 | TCGGAGCTGTGTTGTGAGCCACTAGTAATCC |
| Fragment 65 | ATCTAGGCTCAAGTGGTGGCTGTTGGTGG |
| Fragment 66 | CGTAGGCTTTGAAGATGCTTGTTTCAGAAACG |
| Fragment 67 | AGAAGGGATGATATGCTCGGAATAACTGGAGG |
| Fragment 68 | TTCCACTATGACCCTCAGCGAGTGTTTTCC |
| Fragment 69 | TGAGATGTGCATGGCTGCTGGAATGG |
| Fragment 70 | AGGAAAGGCTTTGAGGCAGGTGGTCC |
| Fragment 71 | CACTCCCTCACTCCATTCATACCTCCACTTCC |
| Fragment 72 | GCTGTAGAGGCCTCCTGGAGGCTTTGC |
| Fragment 73 | CACGCCCAAGGTCTTCAGCTTTGAGG |
| Fragment 74 | CCGAGTTTCTGCACCTGTCAGTGGAGC |
| Fragment 75 | GAGAAGCCTCTAGGGCAGGTGCACAGG |
| Fragment 76 | CTCGACTGTTCCCAAGGGCTCATGG |
| Fragment 77 | CCAGGACTTCATGGCCCAGTGTCTGC |
| Fragment 78 | TCAGAGGGGACAGAGATGAGTCTGATGACG |
| C14ORF180F1 | CAACATAACATGACTGGCTGTGGCACTGG |
| C14ORF180F2 | CCAGCCTAGCAGGAATGGATTCGTTACTCC |
| C14ORF180F3 | GTGTAACTGGAGGCCTCGTGACAGATGG |
| TMEM179F1 | GGTTTGGCAACATGGGTGCAGATGACG |
| TMEM179F2 | GGATTAGTGGTCTCATGGATTAATGGGTTGCC |
| TMEM179F3 | GCCTTTGTAAGCACATGTTGATCAGTCACTGG |
| PLD4F1 | GGAAAGCTTCCTGCATAATCACAGCTTCATTACC |
| PLD4F2 | CCAGAGAGTCACACAGCCTCCAGCTAGTCC |
| PLD4F3 | GCTCTTATCTGCCTCCTGTGGCAAGTGC |
| AHNAK2F1 | ACAGGAAGGAGACGCTGGCACAGAGC |
| AHNAK2F2 | GAGGTGCCACTTAAGGCTCCAAGCAGG |
| AHNAK2F3 | CCTCTGTGTGGTGCCCAAGCTAGATCC |
| C14ORF79F1 | CCTCTGTGTGGTGCCCAAGCTAGATCC |
| C14ORF79F2 | CTGAGACAGTCCTAGATGCTCCCACCTCACC |

| | |
|---|---|
| C14ORF79F3 | GTAGGAGGTAACAAGGACCTGAGACTGAGCTGG |
| CDCA4F1 | GCCTTAGGGATCACACCCATTCCTTGG |
| CDCA4F2 | CGAGACCAGCCTGGACAACATAGTGAGACC |
| CDCA4F3 | GCTGGTCTCAAACTCCTGAACTCAAGTGATCC |
| GPR132F1 | CAGGGGACTCTGTTCTTGATCTGCTCTGAGG |
| GPR132F2 | CAACAGTCAACAGTCGTGTCCAAGTAGGGACCAGGAGAGC |
| GPR132F3 | GGCAAGCTGAATCCCTCACCGTAAACC |
| JAG2F1 | ACACCTTCCCAGTAGGGACCAGGAGAGC |
| JAG2F2 | GAACATACTTTCCCTGCAGCGTGCAGC |
| JAG2F3 | GGAAGCAGTGACCCTGACCTGAGATGG |
| NUDT14F1 | GGAAGCAGTGACCCTGACCTGAGATGG |
| NUDT14F2 | GGAAGCTGTCCTGGCAGGAGGAGACC |
| NUDT14F3 | GCTCCCTGCTCAAGTAGTACCTTCAACCTGTCAGCGTGCAGC |

**Table S2.** Oligonucleotides used in EMSAs.

| SNP | allele[a] | Sequence (5’ to 3’)[b] |
|---|---|---|
| rs2498796 | com | $^{\mathrm{BIO}}$CACCCACCAGGTCCTGGGAAGCCCCATCTCT |
| | min | $^{\mathrm{BIO}}$CACCCACCAGGTCCTAGGAAGCCCCATCTCT |
| rs2498794 | com | $^{\mathrm{BIO}}$AGACCTGCCTGAGACAGATCCCAGAGGCCTG |
| | min | $^{\mathrm{BIO}}$AGACCTGCCTGAGACGGATCCCAGAGGCCTG |
| rs2494737 | com | $^{\mathrm{BIO}}$TTGCCAGCCCAGGACTTGGAGGCTCCAGGGG |
| | min | $^{\mathrm{BIO}}$TTGCCAGCCCAGGACATGGAGGCTCCAGGGG |

[a] com: common allele, min: minor allele

[b] BIO: 5’ biotinylation (present on both the sense and antisense strands of the duplex)

**Table S3.** EMSA competitor duplexes and their target DNA binding proteins.

| Competition Target | Sequence (5’ to 3’) |
|---|---|
| YY1 consensus FOR | CGCTCCCCGGCCATCTTGGCGGCTGGT |
| YY1 consensus REV | ACCAGCCGCCAAGATGGCCGGGGAGCG |
| YY1 mutated FOR (YY1m) | CGCTCCGCGATTATCTTGGCGGCTGGT |
| YY1 mutated REV (YY1m) | ACCAGCCGCCAAGATAATCGCGGAGCG |
| NFkB consensus FOR | AGTTGAGGGGACTTTCCCAGGC |
| NFkB consensus REV | GCCTGGGAAAGTCCCCTCAACT |
| NFkB mutated FOR (NFkBm) | AGTTGAATTGACTTTGCCAGGC |
| NFkB mutated REV (NFkBm) | GCCTGGCAAAGTCAATTCAACT |
| AP2 consensus FOR | GATCGAACTGACCGCCCGCGGCCCGT |
| AP2 consensus REV | ACGGGCCGCGGGCGGTCAGTTCGATC |
| CEBP consensus FOR | TGCAGATTGCGCAATCTGCA |
| CEBP consensus REV | TGCAGATTGCGCAATCTGCA |
| Negative Control FOR (Neg) | TGCAGAGACTAGTCTCTGCA |
| Negative Control REV (Neg) | TGCAGAGACTAGTCTCTGCA |

**Table S4.** Oligonucleotides used in cloning luciferase constructs.

| Primer | Sequence (5’ to 3’) |
|---|---|
| AKT CAN promoter FOR | ACGCGTGTCACTTTACAGACGGGGAAACTGAGG |
| AKT CAN promoter REV | AGATCTGGAAATGCCCCAAGTACTTAGCAGG |
| AKT ALT promoter FOR | ACGCGTTCTAGGTGGCTTCAGTGTGAGACC |
| AKT ALT promoter FOR | AGATCTATGGGGACAGCACACAGTGC |
| ZBTB42 promoter FOR | ACGCGTAGGGCTGTGATCCAGGCAGG |
| ZBTB42 promoter REV | AGATCTCCGAGCTCCTCTCCGGTCG |
| PRE WT FOR | GGATCCCTCAAGAATGATGGCACCTTCATTGG |
| PRE WT REV | GTCGACGTGAGTGGAGTGTGTAGCCGCTGG |

**Table S5.** Oligonucleotides used for ChIP analyses.

| Primer name | Sequence (5' to 3') |
|---|---|
| SNPrs2494737FOR | AGGACTCAGCCTGGAGACTCC |
| SNPrs2494737REV | TCTCGGGATTCAGATTTGGG |
| SNPrs2498796FOR | TTCATCAGCTGGCACTCTGC |
| SNPrs2498796REV | GTAGAGTGTCTGAGCTGGAACAGG |
| NegControlFOR | CACAACAGGATCTTATGCGTGG |
| NegControlREV | CAGTCCCTGCTCATGATCTTGC |

**Table S6.** Numbers of SNPs included in the *AKT1* fine-mapping region on chromosome 14 (bases 104,743,220-105,743,220) compared to SNPs present in the 1000Genomes 2012 reference panel. Linkage disequlibrium was calculated to the top hit previously published for this locus, which was drawn from a subset of risk SNPs selected on the basis of info score >0.9.[3]

| SNP category | 1000Genomes 2012 release | *AKT1* fine-mapping region | % of 1000G SNPs included in the fine-mapping dataset |
|---|---|---|---|
| SNPs with MAF ≥1% in the 1000Genomes 2012 release[a] | 3813 | 2922 | 76.6% |
| LD to rs2498796: | | | |
| ≥0.8 | 26 | 26 | 100% |
| 0.6-0.799 | 31 | 30 | 96.7% |
| 0.4-0.599 | 16 | 16 | 100% |
| 0.2-0.399 | 18 | 17 | 94.4% |
| <0.2/NA | 3721 | 2832 | 76.1% |

[a] Minor allele frequencies (MAF) calculated for Europeans only (85 CEU individuals)

**Table S7.** See excel file.

**Table S8.** Predicted effects of candidate casual variants on transcription factor binding motifs.

| rsID | Position (hg19; chr14) | TFBS[a] | Motif change[b] |
|---|---|---|---|
| rs2494737 | 105246325 | YY1 | ++ |
| | | CEBPA | + |
| rs2498796 | 105243220 | NF-kappaB | - |
| | | AP2 | - |
| | | CREB | - |
| rs2498794 | 105245251 | BCL | -- |
| | | GATA1 | - |
| | | AP1 | + |

[a] Altered transcription factor binding site (TFBS) determined by HaploRegv3[4] or AliBaba2[5] (TRANSFAC and JASPAR matrices).

[b] Degree of change to motif for minor allele: + increased agreement with consensus, - decreased.

## Supplementary References

1. GTEx Consortium (2013). The Genotype-Tissue Expression (GTEx) project. Nat Genet 45, 580-585.
2. Cancer Genome Atlas Research, N., Kandoth, C., Schultz, N., Cherniack, A.D., Akbani, R., Liu, Y., Shen, H., Robertson, A.G., Pashtan, I., Shen, R., et al. (2013). Integrated genomic characterization of endometrial carcinoma. Nature 497, 67-73.
3. Cheng, T., Thompson, D.J., O'Mara, T.A., Painter, J.N., Glubb, D.M., Flach, S., Lewis, A., French, J.D., Freeman-Mills, L., Church, D., et al. (2016). Five endometrial cancer risk loci identified through genome-wide association analysis. Nat Genet (under re-review).
4. Ward, L.D. and Kellis, M. (2015). HaploReg v4: systematic mining of putative causal variants, cell types, regulators and target genes for human complex traits and disease. Nucleic Acids Res (doi: 10.1093/nar/gkv1340).
5. Grabe, N. (2002). AliBaba2: context specific identification of transcription factor binding sites. In Silico Biol 2, S1-15.

**Table S7**. **Meta-analysis association results for genotyped and imputed SNPs at chromosome 14q32.33 across four endometrial cancer GWAS/follow-up studies.**
The SNPs considered for bioinformatic and functional follow-up are highlighted by blue shading. Results for analyses conditioning on the top 2 SNPs are also indicated.
*I=imputed SNP, G=genotyped SNP, G*=genotyped in at least one GWAS study

| SNP | BP | Effect allele | Other allele | Effect allele frequency | OR | StdErr | P | I2 | r2 to rs2498796 | 1000G frequency | SNP genotyped or imputed in GWAS/iCOGs* | P conditioning on rs2498794 | OR | P conditioning on rs2494737 | OR | Average information score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs2498794 | 105245251 | G | A | 0.48 | 1.13 | 0.02 | 8.7E-09 | 0 | 0.43 | 0.44 | I/G | 4.6E-02 | 0.37 | 2.5E-03 | 1.09 | 0.78 |
| rs2494737 | 105246325 | A | T | 0.30 | 1.13 | 0.02 | 2.5E-07 | 0 | 0.83 | 0.32 | I/I | 1.5E-01 | 1.05 | 4.6E-02 | 0.37 | 0.82 |
| rs3001371 | 105242831 | T | C | 0.31 | 1.11 | 0.02 | 1.1E-06 | 0 | 0.98 | 0.35 | I/G | 1.2E-01 | 1.05 | 4.9E-01 | 1.03 | 0.94 |
| rs2498796 | 105243220 | A | G | 0.30 | 1.11 | 0.02 | 1.2E-06 | 0 | 1.00 | 0.35 | I/I | 1.3E-01 | 1.04 | 5.4E-01 | 1.03 | 0.93 |
| rs2494731 | 105237680 | C | G | 0.33 | 1.11 | 0.02 | 1.4E-06 | 0 | 0.89 | 0.37 | I/I | 1.1E-01 | 1.04 | 5.2E-01 | 1.03 | 0.98 |
| rs45607139 | 105226075 | T | C | 0.32 | 1.11 | 0.02 | 2.2E-06 | 0 | 0.89 | 0.37 | I/I | 1.3E-01 | 1.04 | 6.0E-01 | 1.02 | 0.99 |
| rs73362602 | 105230595 | C | T | 0.49 | 1.10 | 0.02 | 2.4E-06 | 0 | 0.54 | 0.49 | I/I | 8.4E-01 | 0.99 | 6.3E-02 | 1.05 | 0.90 |
| rs4983549 | 105228216 | A | G | 0.32 | 1.11 | 0.02 | 2.5E-06 | 0 | 0.89 | 0.37 | I/I | 1.4E-01 | 1.04 | 6.4E-01 | 1.02 | 0.99 |
| rs2494733 | 105240784 | G | C | 0.32 | 1.11 | 0.02 | 2.6E-06 | 0 | 0.89 | 0.36 | I/I | 1.1E-01 | 1.04 | 5.4E-01 | 1.03 | 0.96 |
| rs66464514 | 105231196 | G | A | 0.33 | 1.11 | 0.02 | 3.1E-06 | 0 | 0.89 | 0.37 | I/I | 1.6E-01 | 1.04 | 7.2E-01 | 1.02 | 0.99 |
| rs1132975 | 105222037 | T | C | 0.32 | 1.11 | 0.02 | 3.2E-06 | 0 | 0.89 | 0.37 | I/G | 1.5E-01 | 1.04 | 7.1E-01 | 1.02 | 0.99 |
| rs111268345 | 105245969 | T | C | 0.22 | 1.14 | 0.03 | 3.3E-06 | 0 | 0.56 | 0.24 | I/I | 1.1E-01 | 1.06 | 4.2E-01 | 1.04 | 0.68 |
| rs7158655 | 105229646 | C | T | 0.31 | 1.11 | 0.02 | 3.4E-06 | 0 | 0.91 | 0.36 | I/I | 1.3E-01 | 1.04 | 6.0E-01 | 1.02 | 0.99 |
| rs2498804 | 105233095 | A | C | 0.31 | 1.11 | 0.02 | 3.4E-06 | 0 | 0.89 | 0.36 | G/G | 1.3E-01 | 1.04 | 6.1E-01 | 1.02 | 1.00 |
| rs2498797 | 105242228 | C | T | 0.33 | 1.11 | 0.02 | 3.6E-06 | 0 | 0.94 | 0.36 | I/I | 1.8E-01 | 1.04 | 8.4E-01 | 1.01 | 0.95 |
| rs8006580 | 105218333 | A | G | 0.32 | 1.10 | 0.02 | 3.7E-06 | 0 | 0.87 | 0.36 | I/I | 1.6E-01 | 1.04 | 7.5E-01 | 1.01 | 0.99 |
| rs2498803 | 105233408 | A | G | 0.31 | 1.10 | 0.02 | 4.1E-06 | 0 | 0.89 | 0.36 | I/I | 1.4E-01 | 1.04 | 6.5E-01 | 1.02 | 0.99 |
| rs28368454 | 105230391 | C | T | 0.33 | 1.10 | 0.02 | 4.7E-06 | 0 | 0.88 | 0.37 | I/I | 1.8E-01 | 1.04 | 8.1E-01 | 1.01 | 0.96 |
| rs2498801 | 105235558 | C | T | 0.33 | 1.10 | 0.02 | 5.5E-06 | 0 | 0.89 | 0.37 | I/I | 1.9E-01 | 1.04 | 8.6E-01 | 1.01 | 0.98 |
| rs2494730 | 105233421 | A | T | 0.32 | 1.10 | 0.02 | 5.9E-06 | 0 | 0.89 | 0.36 | I/I | 1.6E-01 | 1.04 | 7.3E-01 | 1.01 | 0.99 |
| rs2498802 | 105234442 | C | G | 0.34 | 1.10 | 0.02 | 6.5E-06 | 0 | 0.85 | 0.38 | I/G | 2.1E-01 | 1.03 | 9.1E-01 | 1.01 | 0.96 |
| rs76347513 | 105246016 | A | G | 0.11 | 1.20 | 0.04 | 6.8E-06 | 0 | <0.01 | 0.12 | I/I | 8.1E-03 | 1.12 | 3.0E-02 | 1.11 | 0.57 |
| rs60798007 | 105197756 | C | G | 0.31 | 1.10 | 0.02 | 7.9E-06 | 0 | 0.85 | 0.36 | I/I | 1.7E-01 | 1.04 | 7.3E-01 | 1.01 | 0.97 |
| rs7160733 | 105203678 | A | G | 0.32 | 1.10 | 0.02 | 8.3E-06 | 0 | 0.85 | 0.36 | I/I | 1.9E-01 | 1.04 | 8.2E-01 | 1.01 | 0.98 |
| rs4983550 | 105231640 | G | T | 0.34 | 1.10 | 0.02 | 8.8E-06 | 0 | 0.88 | 0.38 | I/I | 2.4E-01 | 1.03 | 1.0E+00 | 1.00 | 0.96 |
| rs4983384 | 105208057 | T | C | 0.31 | 1.10 | 0.02 | 8.9E-06 | 0 | 0.85 | 0.36 | I/G | 1.9E-01 | 1.04 | 8.4E-01 | 1.01 | 0.99 |
| rs80097179 | 105196230 | C | A | 0.31 | 1.10 | 0.02 | 1.1E-05 | 0 | 0.85 | 0.36 | I/I | 1.9E-01 | 1.04 | 8.1E-01 | 1.01 | 0.97 |
| rs60876857 | 105197354 | G | C | 0.31 | 1.10 | 0.02 | 1.2E-05 | 0 | 0.85 | 0.36 | I/I | 2.0E-01 | 1.03 | 8.4E-01 | 1.01 | 0.97 |
| rs57098433 | 105197846 | A | G | 0.32 | 1.10 | 0.02 | 1.4E-05 | 0 | 0.85 | 0.36 | I/I | 2.0E-01 | 1.03 | 8.6E-01 | 1.01 | 0.96 |
| rs4983544 | 105213978 | G | T | 0.45 | 1.09 | 0.02 | 2.1E-05 | 0 | 0.64 | 0.44 | I/I | 9.1E-01 | 1.00 | 3.5E-01 | 1.03 | 0.96 |
| rs2494735 | 105242966 | C | T | 0.35 | 1.10 | 0.02 | 2.4E-05 | 0 | 0.84 | 0.39 | I/I | 3.4E-01 | 1.03 | 6.2E-01 | 0.98 | 0.88 |
| rs2494734 | 105240885 | G | C | 0.45 | 1.09 | 0.02 | 2.5E-05 | 0 | 0.68 | 0.44 | I/G | 8.2E-01 | 0.99 | 4.0E-01 | 1.02 | 0.94 |
| rs8011461 | 105217921 | G | A | 0.45 | 1.09 | 0.02 | 2.6E-05 | 0 | 0.66 | 0.44 | I/I | 8.3E-01 | 0.99 | 3.9E-01 | 1.02 | 0.96 |
| rs72715972 | 105192685 | A | G | 0.32 | 1.10 | 0.02 | 3.1E-05 | 0 | 0.83 | 0.36 | I/I | 2.9E-01 | 1.03 | 9.0E-01 | 1.00 | 0.96 |
| rs12590163 | 105223525 | C | T | 0.45 | 1.09 | 0.02 | 3.5E-05 | 0 | 0.68 | 0.44 | I/G | 7.8E-01 | 0.99 | 4.3E-01 | 1.02 | 0.97 |
| rs180896416 | 105416838 | A | C | 0.03 | 0.63 | 0.11 | 3.5E-05 | 84.39 | <0.01 | 0.01 | I/I | 4.3E-04 | 0.67 | 2.4E-04 | 0.66 | 0.45 |
| rs8011779 | 105217982 | T | C | 0.44 | 1.09 | 0.02 | 3.8E-05 | 0 | 0.66 | 0.44 | I/I | 7.7E-01 | 0.99 | 4.4E-01 | 1.02 | 0.97 |
| rs3809453 | 105219467 | G | A | 0.45 | 1.09 | 0.02 | 4.0E-05 | 0 | 0.68 | 0.44 | I/I | 7.8E-01 | 0.99 | 4.5E-01 | 1.02 | 0.95 |
| rs6644 | 105213343 | G | A | 0.45 | 1.09 | 0.02 | 4.1E-05 | 0 | 0.63 | 0.44 | I/I | 7.3E-01 | 0.99 | 4.7E-01 | 1.02 | 0.97 |
| rs12587551 | 105223457 | T | C | 0.44 | 1.09 | 0.02 | 4.2E-05 | 0 | 0.70 | 0.44 | I/I | 7.1E-01 | 0.99 | 4.8E-01 | 1.02 | 0.97 |
| rs7151424 | 105220210 | A | G | 0.45 | 1.09 | 0.02 | 4.6E-05 | 0 | 0.67 | 0.44 | I/I | 6.9E-01 | 0.99 | 4.9E-01 | 1.02 | 0.97 |
| rs12889167 | 105219976 | C | T | 0.45 | 1.09 | 0.02 | 4.9E-05 | 0 | 0.68 | 0.44 | I/I | 7.0E-01 | 0.99 | 5.0E-01 | 1.02 | 0.97 |
| rs76650680 | 105423809 | A | G | 0.03 | 1.35 | 0.07 | 5.1E-05 | 0 | <0.01 | 0.06 | I/I | 2.2E-04 | 1.31 | 7.9E-04 | 1.34 | 0.47 |
| rs4983543 | 105212399 | C | T | 0.45 | 1.09 | 0.02 | 5.3E-05 | 0 | 0.63 | 0.44 | I/I | 6.7E-01 | 0.99 | 5.1E-01 | 1.02 | 0.97 |
| rs7155192 | 105211426 | A | G | 0.45 | 1.09 | 0.02 | 5.5E-05 | 0 | 0.63 | 0.44 | I/I | 6.7E-01 | 0.99 | 5.2E-01 | 1.02 | 0.97 |
| rs33958252 | 105196365 | C | T | 0.44 | 1.09 | 0.02 | 6.0E-05 | 0 | 0.63 | 0.44 | I/I | 7.9E-01 | 0.99 | 4.6E-01 | 1.02 | 0.97 |
| rs4983539 | 105208037 | C | A | 0.45 | 1.09 | 0.02 | 6.2E-05 | 0 | 0.63 | 0.44 | I/I | 6.6E-01 | 0.99 | 5.3E-01 | 1.02 | 0.97 |
| rs4983546 | 105214479 | C | T | 0.45 | 1.09 | 0.02 | 6.2E-05 | 0 | 0.64 | 0.44 | I/I | 6.1E-01 | 0.98 | 5.6E-01 | 1.02 | 0.97 |
| rs145693791 | 105416839 | T | G | 0.03 | 0.64 | 0.11 | 6.4E-05 | 83.61 | <0.01 | 0.01 | I/I | 7.0E-04 | 0.69 | 4.0E-04 | 0.68 | 0.44 |
| rs7149551 | 105210759 | A | G | 0.45 | 1.09 | 0.02 | 6.5E-05 | 0 | 0.63 | 0.44 | I/I | 6.3E-01 | 0.99 | 5.5E-01 | 1.02 | 0.97 |
| rs8006310 | 105218476 | G | A | 0.45 | 1.09 | 0.02 | 6.8E-05 | 0 | 0.66 | 0.44 | I/I | 5.8E-01 | 0.98 | 5.8E-01 | 1.02 | 0.96 |
| rs3803307 | 105207134 | G | A | 0.45 | 1.08 | 0.02 | 7.8E-05 | 0 | 0.63 | 0.44 | I/G | 6.3E-01 | 0.99 | 5.7E-01 | 1.02 | 0.97 |
| rs3730358 | 105246407 | A | G | 0.15 | 1.12 | 0.03 | 8.0E-05 | 0 | 0.43 | 0.19 | I/G | 1.4E-01 | 1.05 | 4.4E-01 | 1.03 | 0.82 |
| rs4247034 | 105208879 | G | C | 0.45 | 1.08 | 0.02 | 9.1E-05 | 0 | 0.63 | 0.44 | I/G | 5.6E-01 | 0.98 | 6.2E-01 | 1.01 | 0.97 |
| rs4983386 | 105210207 | A | G | 0.45 | 1.08 | 0.02 | 9.4E-05 | 0 | 0.63 | 0.44 | I/G | 5.5E-01 | 0.98 | 6.3E-01 | 1.01 | 0.97 |
| rs11848612 | 105197567 | G | C | 0.44 | 1.08 | 0.02 | 9.4E-05 | 0 | 0.64 | 0.43 | I/I | 7.4E-01 | 0.99 | 4.7E-01 | 1.02 | 0.98 |
| rs34022232 | 105198749 | G | T | 0.44 | 1.08 | 0.02 | 9.5E-05 | 0 | 0.64 | 0.43 | I/I | 7.4E-01 | 0.99 | 4.7E-01 | 1.02 | 0.98 |
| rs34802997 | 105198822 | T | C | 0.44 | 1.08 | 0.02 | 9.6E-05 | 0 | 0.64 | 0.43 | I/I | 7.3E-01 | 0.99 | 4.8E-01 | 1.02 | 0.98 |
| rs7142772 | 105200377 | G | T | 0.44 | 1.08 | 0.02 | 1.2E-04 | 0 | 0.63 | 0.43 | G/G | 7.0E-01 | 0.99 | 5.2E-01 | 1.02 | 1.00 |
| rs34672588 | 105196235 | A | G | 0.44 | 1.08 | 0.02 | 1.3E-04 | 0 | 0.64 | 0.43 | I/I | 6.8E-01 | 0.99 | 5.5E-01 | 1.02 | 0.97 |
| rs7149183 | 105201596 | C | T | 0.44 | 1.08 | 0.02 | 1.4E-04 | 0 | 0.61 | 0.43 | I/I | 6.5E-01 | 0.99 | 5.6E-01 | 1.02 | 0.97 |
| rs7141697 | 105200505 | G | C | 0.45 | 1.08 | 0.02 | 1.9E-04 | 0 | 0.58 | 0.44 | I/I | 5.5E-01 | 0.98 | 6.6E-01 | 1.01 | 0.98 |
| rs57430375 | 105194906 | C | T | 0.43 | 1.08 | 0.02 | 1.9E-04 | 0 | 0.64 | 0.42 | I/I | 6.2E-01 | 0.99 | 5.7E-01 | 1.02 | 0.96 |
| rs191646265 | 105418110 | T | C | 0.14 | 1.16 | 0.04 | 2.5E-04 | 30.64 | <0.01 | 0.14 | I/I | 1.3E-04 | 1.16 | 8.5E-04 | 1.17 | 0.52 |
| rs35746773 | 105192684 | C | T | 0.43 | 1.08 | 0.02 | 3.4E-04 | 0 | 0.63 | 0.44 | I/I | 5.0E-01 | 0.98 | 7.3E-01 | 1.01 | 0.95 |
| rs12887451 | 105192026 | G | C | 0.42 | 1.08 | 0.02 | 3.4E-04 | 0 | 0.64 | 0.43 | I/I | 5.8E-01 | 0.98 | 6.6E-01 | 1.01 | 0.94 |
| rs3803304 | 105239146 | G | C | 0.26 | 1.09 | 0.02 | 3.8E-04 | 0 | 0.59 | 0.28 | I/I | 3.9E-01 | 1.02 | 9.6E-01 | 1.00 | 0.97 |
| rs114064882 | 105245993 | A | T | 0.11 | 1.15 | 0.04 | 4.0E-04 | 26.75 | <0.01 | 0.11 | I/I | 1.8E-01 | 1.06 | 4.4E-01 | 1.04 | 0.60 |
| rs183215652 | 105417808 | C | T | 0.03 | 1.34 | 0.08 | 5.9E-04 | 64.2 | <0.01 | 0.02 | I/I | 1.6E-03 | 1.31 | 6.7E-04 | 1.33 | 0.45 |
| rs148787429 | 105416872 | C | T | 0.05 | 0.76 | 0.08 | 6.7E-04 | 60.76 | 0.02 | 0.04 | I/I | 2.6E-03 | 0.79 | 1.1E-03 | 0.77 | 0.47 |
| rs188278119 | 105417867 | A | G | 0.08 | 1.19 | 0.05 | 6.9E-04 | 0 | <0.01 | 0.09 | I/I | 1.2E-04 | 1.22 | 2.3E-04 | 1.21 | 0.47 |
| rs149938880 | 105243623 | G | C | 0.08 | 1.16 | 0.04 | 7.3E-04 | 0 | 0.10 | 0.09 | I/I | 1.5E-01 | 1.07 | 3.3E-01 | 1.05 | 0.70 |
| rs2494732 | 105239192 | C | T | 0.43 | 1.07 | 0.02 | 8.4E-04 | 0 | 0.61 | 0.47 | I/G | 3.2E-01 | 1.02 | 5.7E-01 | 0.98 | 0.89 |
| rs184806471 | 105400170 | T | G | 0.20 | 1.12 | 0.03 | 9.7E-04 | 0 | <0.01 | 0.17 | I/I | 6.1E-04 | 1.15 | 4.9E-04 | 1.18 | 0.54 |
| rs2498791 | 105248470 | T | G | 0.36 | 1.07 | 0.02 | 1.0E-03 | 38.88 | <0.01 | 0.38 | I/G | 1.2E-01 | 1.04 | 4.4E-01 | 1.02 | 0.83 |
| rs4432208 | 105191915 | G | A | 0.45 | 1.07 | 0.02 | 1.1E-03 | 0 | 0.59 | 0.45 | I/I | 2.2E-01 | 0.96 | 8.5E-01 | 0.99 | 0.94 |
| rs183457569 | 105356381 | G | A | 0.30 | 1.09 | 0.03 | 1.1E-03 | 21.24 | <0.01 | 0.31 | I/I | 7.2E-04 | 1.09 | 2.3E-03 | 1.08 | 0.77 |
| rs8015720 | 104952474 | G | A | 0.32 | 1.07 | 0.02 | 1.5E-03 | 0 | <0.01 | 0.32 | I/I | 2.8E-03 | 1.07 | 1.4E-03 | 1.07 | 0.98 |
| rs8019717 | 104957314 | G | A | 0.32 | 1.07 | 0.02 | 1.5E-03 | 0 | <0.01 | 0.32 | I/I | 2.8E-03 | 1.07 | 1.4E-03 | 1.07 | 0.98 |
| rs34272041 | 105200329 | C | T | 0.38 | 1.07 | 0.02 | 2.0E-03 | 0 | 0.48 | 0.39 | I/I | 6.4E-01 | 0.99 | 5.3E-01 | 1.02 | 0.96 |
| rs71421863 | 104947494 | C | T | 0.04 | 0.80 | 0.07 | 2.0E-03 | 0 | <0.01 | 0.01 | I/I | 2.5E-03 | 0.81 | 1.7E-03 | 0.80 | 0.65 |
| rs11628291 | 104961982 | A | G | 0.32 | 1.07 | 0.02 | 2.1E-03 | 0 | <0.01 | 0.32 | I/I | 3.9E-03 | 1.07 | 2.0E-03 | 1.07 | 0.98 |
| rs34663068 | 104948064 | T | C | 0.10 | 0.90 | 0.04 | 2.2E-03 | 0 | <0.01 | 0.05 | I/I | 3.0E-03 | 0.90 | 2.0E-03 | 0.90 | 0.94 |
| rs4983522 | 105146579 | C | A | 0.24 | 1.09 | 0.03 | 2.2E-03 | 0 | 0.04 | 0.23 | G*/I | 1.6E-02 | 1.07 | 4.3E-03 | 1.08 | 0.89 |
| rs4983540 | 105208567 | A | G | 0.19 | 1.08 | 0.03 | 2.4E-03 | 0 | 0.48 | 0.25 | G/G | 2.8E-01 | 1.03 | 7.4E-01 | 1.01 | 1.00 |
| rs7150153 | 104952144 | C | T | 0.32 | 1.07 | 0.02 | 2.4E-03 | 0 | <0.01 | 0.32 | I/G | 4.5E-03 | 1.06 | 2.3E-03 | 1.07 | 0.98 |
| rs141627329 | 105305340 | G | A | 0.03 | 0.78 | 0.08 | 2.5E-03 | 46.64 | <0.01 | 0.02 | I/I | 2.7E-03 | 0.78 | 2.6E-03 | 0.78 | 0.48 |
| rs77631658 | 105227822 | G | A | 0.19 | 1.08 | 0.03 | 2.6E-03 | 0 | 0.53 | 0.25 | I/I | 3.2E-01 | 1.03 | 8.1E-01 | 1.01 | 0.99 |
| rs149282847 | 104880421 | T | C | 0.14 | 0.90 | 0.04 | 2.9E-03 | 16.65 | <0.01 | 0.09 | I/I | 4.1E-03 | 0.90 | 3.1E-03 | 0.90 | 0.81 |
| rs4464020 | 104948623 | C | T | 0.33 | 1.07 | 0.02 | 3.0E-03 | 0 | <0.01 | 0.32 | I/I | 5.1E-03 | 1.06 | 2.6E-03 | 1.07 | 0.97 |
| rs8015567 | 104952338 | G | A | 0.32 | 1.07 | 0.02 | 3.1E-03 | 0 | <0.01 | 0.32 | G*/G | 5.7E-03 | 1.06 | 2.9E-03 | 1.07 | 0.98 |
| rs76231332 | 105417837 | G | A | 0.16 | 1.12 | 0.04 | 3.2E-03 | 35.66 | <0.01 | 0.16 | I/I | 2.4E-03 | 1.12 | 4.6E-03 | 1.11 | 0.57 |
| rs1133044 | 105225979 | G | C | 0.19 | 1.08 | 0.03 | 3.2E-03 | 0 | <0.01 | 0.25 | I/I | 3.5E-01 | 1.03 | 8.7E-01 | 1.01 | 0.99 |
| rs8020058 | 104948230 | C | T | 0.33 | 1.07 | 0.02 | 3.3E-03 | 0 | <0.01 | 0.32 | I/I | 5.7E-03 | 1.06 | 2.9E-03 | 1.07 | 0.96 |
| rs35480335 | 104962712 | A | G | 0.12 | 0.91 | 0.03 | 3.4E-03 | 0 | <0.01 | 0.06 | I/I | 4.1E-03 | 0.91 | 2.5E-03 | 0.91 | 0.96 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs4983548 | 105216381 | T | C | 0.19 | 1.08 | 0.03 | 3.6E-03 | 0 | 0.51 | 0.25 | I/I | 3.6E-01 | 1.03 | 8.9E-01 | 1.00 | 0.99 |
| rs75207212 | 104929715 | C | G | 0.12 | 0.91 | 0.03 | 3.9E-03 | 0 | <0.01 | 0.06 | I/I | 5.3E-03 | 0.91 | 3.1E-03 | 0.91 | 0.94 |
| rs77647965 | 104929714 | A | G | 0.12 | 0.91 | 0.03 | 3.9E-03 | 0 | <0.01 | 0.06 | I/I | 5.3E-03 | 0.91 | 3.1E-03 | 0.91 | 0.94 |
| rs111346259 | 104811016 | A | G | 0.06 | 0.84 | 0.06 | 3.9E-03 | 11.12 | <0.01 | 0.05 | I/I | 8.8E-03 | 0.85 | 7.2E-03 | 0.85 | 0.72 |
| rs141736470 | 105415346 | C | T | 0.29 | 1.09 | 0.03 | 3.9E-03 | 0 | <0.01 | 0.31 | I/I | 1.8E-04 | 1.12 | 2.7E-04 | 1.12 | 0.57 |
| rs8012845 | 105140433 | G | A | 0.45 | 1.08 | 0.03 | 4.0E-03 | 0 | 0.07 | 0.44 | I/I | 3.2E-02 | 1.06 | 2.5E-02 | 1.06 | 0.81 |
| rs55653907 | 104895822 | C | T | 0.14 | 0.90 | 0.04 | 4.1E-03 | 8.96 | <0.01 | 0.07 | I/I | 5.5E-03 | 0.91 | 3.8E-03 | 0.90 | 0.79 |
| rs34282498 | 104948316 | C | A | 0.11 | 0.91 | 0.03 | 4.2E-03 | 0 | <0.01 | 0.05 | I/I | 5.0E-03 | 0.91 | 3.2E-03 | 0.90 | 0.95 |
| rs185730426 | 105427780 | A | G | 0.05 | 1.20 | 0.06 | 4.4E-03 | 0 | 0.02 | 0.06 | I/I | 1.5E-02 | 1.17 | 1.5E-02 | 1.17 | 0.50 |
| rs190981255 | 105427782 | A | G | 0.05 | 1.20 | 0.06 | 4.4E-03 | 0 | 0.02 | 0.06 | I/I | 1.5E-02 | 1.17 | 1.5E-02 | 1.17 | 0.50 |
| rs117165790 | 105193502 | A | G | 0.03 | 0.79 | 0.08 | 4.4E-03 | 0 | 0.02 | 0.02 | I/I | 9.2E-02 | 0.87 | 3.2E-02 | 0.83 | 0.47 |
| rs4247029 | 105142093 | A | G | 0.47 | 1.08 | 0.03 | 4.7E-03 | 0 | 0.07 | 0.45 | I/I | 4.0E-02 | 1.06 | 2.9E-02 | 1.06 | 0.81 |
| rs73366139 | 104765810 | T | C | 0.28 | 0.92 | 0.03 | 4.7E-03 | 0 | <0.01 | 0.32 | I/I | 6.3E-03 | 0.92 | 5.3E-03 | 0.92 | 0.84 |
| rs35222345 | 104942054 | A | G | 0.12 | 0.91 | 0.03 | 4.9E-03 | 0 | <0.01 | 0.06 | I/I | 5.9E-03 | 0.91 | 3.8E-03 | 0.91 | 0.95 |
| rs11628928 | 104965566 | G | T | 0.34 | 1.07 | 0.02 | 4.9E-03 | 0 | <0.01 | 0.32 | I/I | 8.4E-03 | 1.06 | 4.3E-03 | 1.07 | 0.94 |
| rs4983523 | 105148241 | G | A | 0.25 | 1.08 | 0.03 | 5.0E-03 | 0 | 0.05 | 0.24 | I/I | 2.6E-02 | 1.07 | 8.5E-03 | 1.08 | 0.78 |
| rs56294432 | 105475491 | T | C | 0.11 | 1.13 | 0.04 | 5.2E-03 | 31.23 | 0.01 | 0.11 | I/I | 1.9E-02 | 1.11 | 1.9E-02 | 1.11 | 0.60 |
| rs4983541 | 105208986 | A | G | 0.19 | 1.07 | 0.03 | 5.3E-03 | 0 | 0.48 | 0.25 | I/I | 4.4E-01 | 1.02 | 9.9E-01 | 1.00 | 0.99 |
| rs2494747 | 105258437 | T | G | 0.38 | 0.94 | 0.02 | 5.4E-03 | 27.6 | 0.22 | 0.40 | I/I | 2.6E-01 | 0.98 | 8.0E-01 | 0.99 | 0.89 |
| rs56058013 | 105444012 | T | C | 0.39 | 1.07 | 0.02 | 5.8E-03 | 0 | <0.01 | 0.39 | I/I | 5.2E-03 | 1.07 | 2.7E-03 | 1.08 | 0.74 |
| rs35252693 | 104930719 | C | T | 0.12 | 0.91 | 0.03 | 5.8E-03 | 0 | <0.01 | 0.06 | I/I | 7.5E-03 | 0.92 | 4.7E-03 | 0.91 | 0.95 |
| rs113742549 | 105541730 | A | T | 0.01 | 1.35 | 0.11 | 6.0E-03 | 51.9 | <0.01 | 0.02 | I/I | 9.3E-03 | 1.32 | 1.5E-02 | 1.30 | 0.61 |
| rs45490496 | 105272678 | T | A | 0.38 | 0.94 | 0.02 | 6.0E-03 | 12.16 | 0.22 | 0.40 | I/I | 2.7E-01 | 0.98 | 7.9E-01 | 0.99 | 0.92 |
| rs79414834 | 104931191 | A | G | 0.12 | 0.91 | 0.03 | 6.0E-03 | 0 | <0.01 | 0.06 | I/I | 7.8E-03 | 0.92 | 4.8E-03 | 0.91 | 0.95 |
| rs34014106 | 104990992 | C | G | 0.10 | 0.90 | 0.04 | 6.0E-03 | 0 | <0.01 | 0.07 | I/I | 8.3E-03 | 0.90 | 5.4E-03 | 0.90 | 0.89 |
| rs1866824 | 105358315 | C | T | 0.24 | 1.08 | 0.03 | 6.1E-03 | 51.82 | <0.01 | 0.21 | I/I | 2.6E-03 | 1.08 | 6.8E-03 | 1.07 | 0.88 |
| rs12587476 | 105195476 | A | C | 0.06 | 1.12 | 0.04 | 6.1E-03 | 0 | 0.16 | 0.08 | I/I | 2.3E-01 | 1.05 | 4.3E-01 | 1.04 | 0.95 |
| rs75112537 | 105203500 | T | C | 0.19 | 1.07 | 0.03 | 6.2E-03 | 0 | 0.48 | 0.25 | I/I | 4.7E-01 | 1.02 | 9.6E-01 | 1.00 | 0.98 |
| rs11160819 | 105276883 | T | G | 0.38 | 0.94 | 0.02 | 6.2E-03 | 1.68 | 0.21 | 0.39 | I/I | 2.5E-01 | 0.98 | 6.1E-01 | 0.99 | 0.97 |
| rs2498786 | 105262368 | G | C | 0.38 | 0.94 | 0.02 | 6.6E-03 | 38.59 | 0.24 | 0.41 | I/G | 2.8E-01 | 0.98 | 8.4E-01 | 0.99 | 0.89 |
| rs182220262 | 105400373 | G | C | 0.20 | 1.10 | 0.04 | 6.8E-03 | 0 | <0.01 | 0.23 | I/I | 2.2E-03 | 1.11 | 1.3E-03 | 1.12 | 0.52 |
| rs28734817 | 104940730 | C | T | 0.14 | 0.91 | 0.03 | 6.8E-03 | 0 | <0.01 | 0.06 | I/I | 8.3E-03 | 0.91 | 5.9E-03 | 0.91 | 0.83 |
| rs75268661 | 105208393 | A | G | 0.18 | 1.07 | 0.03 | 7.2E-03 | 0 | 0.48 | 0.25 | I/I | 5.2E-01 | 1.02 | 9.0E-01 | 1.00 | 0.99 |
| rs67325187 | 105203105 | C | T | 0.06 | 1.12 | 0.04 | 7.3E-03 | 0 | 0.16 | 0.08 | I/I | 2.6E-01 | 1.05 | 4.8E-01 | 1.03 | 0.96 |
| rs17852251 | 105477990 | T | C | 0.02 | 1.32 | 0.10 | 7.4E-03 | 50.55 | 0.02 | 0.01 | I/I | 4.1E-02 | 1.24 | 7.1E-02 | 1.21 | 0.55 |
| rs76247235 | 104762528 | G | T | 0.28 | 0.92 | 0.03 | 7.9E-03 | 0 | <0.01 | 0.32 | I/I | 1.0E-02 | 0.92 | 8.6E-03 | 0.92 | 0.78 |
| rs9783669 | 105215351 | T | C | 0.07 | 1.11 | 0.04 | 8.1E-03 | 0 | 0.14 | 0.08 | G*/I | 3.3E-01 | 1.04 | 5.7E-01 | 1.02 | 0.99 |
| rs11628510 | 105275365 | G | A | 0.37 | 0.94 | 0.02 | 8.2E-03 | 8.83 | 0.24 | 0.39 | I/I | 2.8E-01 | 0.98 | 7.6E-01 | 0.99 | 0.94 |
| rs35054160 | 104917657 | A | G | 0.12 | 0.92 | 0.03 | 8.3E-03 | 0 | <0.01 | 0.06 | G*/I | 1.0E-02 | 0.92 | 6.7E-03 | 0.91 | 0.93 |
| rs35214721 | 104884523 | G | A | 0.19 | 0.92 | 0.03 | 8.4E-03 | 5.34 | <0.01 | 0.14 | I/I | 1.0E-02 | 0.92 | 1.2E-02 | 0.92 | 0.81 |
| rs4983559 | 105277209 | A | G | 0.39 | 0.95 | 0.02 | 8.6E-03 | 0 | 0.20 | 0.39 | G/G | 3.0E-01 | 0.98 | 7.0E-01 | 0.99 | 1.00 |
| rs12432802 | 105211221 | T | C | 0.06 | 1.12 | 0.04 | 8.8E-03 | 0 | 0.16 | 0.08 | I/I | 2.9E-01 | 1.05 | 5.2E-01 | 1.03 | 0.98 |
| rs117613328 | 105209258 | A | G | 0.04 | 0.82 | 0.08 | 9.0E-03 | 0 | 0.02 | 0.02 | I/I | 1.7E-01 | 0.90 | 6.3E-02 | 0.86 | 0.48 |
| rs11848899 | 105248660 | T | G | 0.16 | 1.08 | 0.03 | 9.0E-03 | 0 | 0.23 | 0.16 | I/I | 6.6E-01 | 1.01 | 7.3E-01 | 0.99 | 0.76 |
| rs75990247 | 105417358 | C | T | 0.22 | 1.09 | 0.03 | 9.1E-03 | 0 | <0.01 | 0.24 | I/I | 6.0E-04 | 1.12 | 1.3E-03 | 1.11 | 0.55 |
| rs11629050 | 104974849 | A | G | 0.10 | 0.91 | 0.04 | 9.2E-03 | 0 | <0.01 | 0.06 | G*/I | 1.2E-02 | 0.91 | 8.6E-03 | 0.91 | 0.94 |
| rs76912402 | 105278363 | A | G | 0.10 | 1.13 | 0.05 | 9.4E-03 | 0 | 0.11 | 0.08 | I/I | 8.1E-02 | 1.09 | 9.1E-02 | 1.08 | 0.52 |
| rs12880001 | 104909461 | A | G | 0.12 | 0.92 | 0.03 | 9.4E-03 | 0 | <0.01 | 0.06 | I/I | 1.2E-02 | 0.92 | 7.6E-03 | 0.92 | 0.92 |
| rs2494748 | 105258892 | T | C | 0.40 | 0.95 | 0.02 | 9.5E-03 | 16.74 | 0.22 | 0.47 | I/G | 2.9E-01 | 0.98 | 8.6E-01 | 1.00 | 0.80 |
| rs4587901 | 105209667 | T | A | 0.06 | 1.11 | 0.04 | 9.7E-03 | 0 | 0.16 | 0.08 | I/I | 3.1E-01 | 1.05 | 5.4E-01 | 1.03 | 0.98 |
| rs11622460 | 105541527 | G | A | 0.27 | 1.07 | 0.03 | 9.9E-03 | 57.31 | <0.01 | 0.27 | I/I | 1.4E-02 | 1.07 | 5.9E-03 | 1.08 | 0.81 |
| rs34197832 | 104917800 | T | C | 0.12 | 0.92 | 0.03 | 9.9E-03 | 0 | <0.01 | 0.06 | I/I | 1.2E-02 | 0.92 | 8.0E-03 | 0.92 | 0.93 |
| rs2251389 | 105352255 | A | T | 0.23 | 1.07 | 0.03 | 1.0E-02 | 63.1 | <0.01 | 0.19 | I/I | 3.4E-03 | 1.08 | 1.0E-02 | 1.07 | 0.89 |
| rs12880721 | 104909952 | A | G | 0.12 | 0.92 | 0.03 | 1.1E-02 | 0 | <0.01 | 0.07 | I/I | 1.2E-02 | 0.92 | 7.7E-03 | 0.92 | 0.91 |
| rs2582545 | 105354545 | G | A | 0.23 | 1.07 | 0.03 | 1.1E-02 | 61.7 | <0.01 | 0.20 | I/I | 3.7E-03 | 1.08 | 1.1E-02 | 1.07 | 0.90 |
| rs3809454 | 105219069 | C | A | 0.06 | 1.11 | 0.04 | 1.1E-02 | 0 | 0.16 | 0.08 | I/I | 3.0E-01 | 1.04 | 5.5E-01 | 1.03 | 0.98 |
| rs57837762 | 105147219 | T | C | 0.19 | 1.09 | 0.03 | 1.1E-02 | 0 | 0.02 | 0.17 | I/I | 1.0E-01 | 1.06 | 2.1E-02 | 1.08 | 0.82 |
| rs35635404 | 105246681 | A | G | 0.02 | 0.77 | 0.10 | 1.1E-02 | 0 | 0.02 | 0.03 | I/I | 4.9E-02 | 0.81 | 2.7E-02 | 0.79 | 0.59 |
| rs148209792 | 105243605 | C | G | 0.13 | 1.10 | 0.04 | 1.1E-02 | 0 | <0.01 | 0.11 | I/I | 9.6E-01 | 1.00 | 5.1E-01 | 0.97 | 0.66 |
| rs2919629 | 105356137 | C | G | 0.23 | 1.07 | 0.03 | 1.1E-02 | 60.61 | <0.01 | 0.20 | I/I | 3.9E-03 | 1.08 | 1.2E-02 | 1.07 | 0.90 |
| rs113335944 | 104775806 | T | C | 0.02 | 0.77 | 0.10 | 1.1E-02 | 0 | <0.01 | 0.04 | I/I | 9.2E-03 | 0.76 | 1.0E-02 | 0.77 | 0.75 |
| rs2582548 | 105354293 | G | A | 0.23 | 1.07 | 0.03 | 1.1E-02 | 62.55 | <0.01 | 0.20 | I/I | 4.0E-03 | 1.08 | 1.2E-02 | 1.07 | 0.90 |
| rs10047838 | 105218305 | A | G | 0.07 | 1.11 | 0.04 | 1.1E-02 | 0 | 0.16 | 0.08 | I/I | 3.3E-01 | 1.04 | 5.4E-01 | 1.03 | 0.91 |
| rs145013396 | 105243675 | C | T | 0.03 | 1.23 | 0.08 | 1.1E-02 | 0 | <0.01 | 0.02 | I/I | 2.0E-02 | 1.21 | 1.1E-02 | 1.23 | 0.45 |
| rs28840384 | 104935015 | A | G | 0.16 | 0.93 | 0.03 | 1.2E-02 | 0 | <0.01 | 0.13 | I/I | 1.4E-02 | 0.93 | 8.4E-03 | 0.92 | 0.89 |
| rs4983528 | 105151805 | G | T | 0.43 | 1.07 | 0.03 | 1.2E-02 | 42.87 | 0.09 | 0.44 | I/I | 5.3E-01 | 1.02 | 3.3E-01 | 1.03 | 0.70 |
| rs35466827 | 104908022 | A | G | 0.11 | 0.92 | 0.04 | 1.2E-02 | 0 | <0.01 | 0.06 | I/I | 1.3E-02 | 0.92 | 8.3E-03 | 0.91 | 0.89 |
| rs10148026 | 105001976 | T | A | 0.40 | 1.08 | 0.03 | 1.3E-02 | 0 | <0.01 | 0.32 | I/I | 2.2E-02 | 1.07 | 2.9E-02 | 1.07 | 0.55 |
| rs78116894 | 105418166 | C | T | 0.27 | 1.08 | 0.03 | 1.3E-02 | 16.46 | <0.01 | 0.26 | I/I | 2.3E-02 | 1.07 | 1.2E-02 | 1.08 | 0.60 |
| rs35764643 | 104943312 | C | T | 0.13 | 0.92 | 0.03 | 1.3E-02 | 0 | <0.01 | 0.07 | I/I | 1.5E-02 | 0.92 | 1.0E-02 | 0.92 | 0.91 |
| rs12890949 | 105415352 | C | G | 0.10 | 1.14 | 0.05 | 1.3E-02 | 37 | <0.01 | 0.06 | I/I | 1.3E-02 | 1.14 | 1.8E-02 | 1.13 | 0.47 |
| rs2582549 | 105351637 | G | A | 0.23 | 1.07 | 0.03 | 1.3E-02 | 60.1 | <0.01 | 0.19 | I/I | 4.6E-03 | 1.08 | 1.4E-02 | 1.07 | 0.90 |
| rs10136869 | 105153422 | A | G | 0.40 | 0.94 | 0.03 | 1.3E-02 | 52.17 | 0.07 | 0.43 | I/I | 4.0E-01 | 0.98 | 3.1E-01 | 0.97 | 0.76 |
| rs2289453 | 105355549 | T | C | 0.24 | 1.07 | 0.03 | 1.3E-02 | 59.91 | <0.01 | 0.20 | I/I | 4.8E-03 | 1.08 | 1.4E-02 | 1.07 | 0.90 |
| rs56121689 | 105171482 | A | G | 0.23 | 1.07 | 0.03 | 1.3E-02 | 0 | 0.35 | 0.31 | I/I | 4.1E-01 | 1.02 | 9.8E-01 | 1.00 | 0.93 |
| rs59949155 | 105351440 | C | G | 0.24 | 1.07 | 0.03 | 1.3E-02 | 59.92 | <0.01 | 0.20 | I/I | 4.8E-03 | 1.08 | 1.4E-02 | 1.07 | 0.90 |
| rs894038 | 105351673 | T | C | 0.24 | 1.07 | 0.03 | 1.3E-02 | 59.83 | <0.01 | 0.20 | I/I | 4.8E-03 | 1.08 | 1.4E-02 | 1.07 | 0.90 |
| rs12896459 | 105197307 | T | G | 0.35 | 1.06 | 0.02 | 1.4E-02 | 0 | <0.01 | 0.32 | I/I | 2.0E-01 | 0.96 | 6.3E-01 | 0.99 | 0.81 |
| rs117586705 | 105502439 | T | C | 0.02 | 0.73 | 0.13 | 1.4E-02 | 0 | <0.01 | 0.02 | I/I | 8.1E-03 | 0.71 | 6.1E-03 | 0.71 | 0.67 |
| rs59107644 | 105415299 | G | A | 0.27 | 1.08 | 0.03 | 1.4E-02 | 0 | <0.01 | 0.26 | I/I | 4.7E-03 | 1.09 | 6.6E-03 | 1.08 | 0.62 |
| rs35651865 | 104988956 | T | G | 0.13 | 0.92 | 0.04 | 1.4E-02 | 0 | <0.01 | 0.08 | I/I | 1.6E-02 | 0.92 | 9.8E-03 | 0.91 | 0.89 |
| rs2819427 | 105412275 | C | T | 0.20 | 1.09 | 0.03 | 1.4E-02 | 0 | <0.01 | 0.19 | I/I | 5.1E-03 | 1.10 | 7.3E-03 | 1.10 | 0.56 |
| rs9788593 | 105350799 | T | C | 0.24 | 1.07 | 0.03 | 1.4E-02 | 62.49 | <0.01 | 0.21 | I/I | 5.2E-03 | 1.08 | 1.5E-02 | 1.07 | 0.89 |
| rs59607964 | 105194063 | T | C | 0.05 | 1.12 | 0.05 | 1.4E-02 | 0 | 0.11 | 0.05 | I/I | 2.8E-01 | 1.05 | 4.8E-01 | 1.04 | 0.89 |
| rs151161006 | 105158549 | G | C | 0.02 | 1.25 | 0.09 | 1.4E-02 | 0 | 0.07 | 0.03 | I/I | 1.2E-01 | 1.15 | 1.8E-01 | 1.13 | 0.58 |
| rs71421864 | 104982177 | C | T | 0.13 | 0.92 | 0.03 | 1.5E-02 | 0 | <0.01 | 0.08 | I/I | 1.7E-02 | 0.92 | 1.1E-02 | 0.91 | 0.91 |
| rs10149779 | 105251086 | A | G | 0.28 | 1.06 | 0.02 | 1.5E-02 | 44.92 | 0.13 | 0.31 | I/I | 1.6E-01 | 1.03 | 4.1E-01 | 1.02 | 0.85 |
| rs140820997 | 104773932 | C | T | 0.06 | 0.86 | 0.06 | 1.5E-02 | 0 | <0.01 | 0.06 | I/I | 2.5E-02 | 0.87 | 1.9E-02 | 0.86 | 0.71 |
| rs59054373 | 104815996 | G | A | 0.02 | 0.75 | 0.12 | 1.5E-02 | 0 | <0.01 | 0.04 | I/I | 1.4E-02 | 0.75 | 1.4E-02 | 0.75 | 0.73 |
| rs12885987 | 104845885 | T | C | 0.18 | 0.92 | 0.04 | 1.5E-02 | 37.68 | <0.01 | 0.16 | I/I | 2.7E-02 | 0.92 | 2.2E-02 | 0.92 | 0.70 |
| rs61759800 | 105248862 | A | G | 0.01 | 0.73 | 0.13 | 1.5E-02 | 76.81 | <0.01 | 0.02 | I/I | 4.1E-02 | 0.76 | 3.1E-02 | 0.75 | 0.53 |
| rs12432277 | 105134391 | C | G | 0.47 | 1.06 | 0.03 | 1.6E-02 | 0 | 0.06 | 0.45 | I/I | 1.1E-01 | 1.04 | 7.5E-02 | 1.05 | 0.83 |
| rs4284570 | 104906424 | G | C | 0.33 | 0.94 | 0.03 | 1.6E-02 | 0 | <0.01 | 0.31 | I/I | 2.2E-02 | 0.94 | 1.4E-02 | 0.94 | 0.80 |
| rs61996002 | 105356241 | G | A | 0.25 | 1.06 | 0.03 | 1.6E-02 | 61.69 | <0.01 | 0.21 | I/I | 7.1E-03 | 1.07 | 1.8E-02 | 1.06 | 0.86 |
| rs28675122 | 104944883 | A | G | 0.35 | 1.06 | 0.02 | 1.6E-02 | 0 | <0.01 | 0.33 | I/I | 2.5E-02 | 1.05 | 1.4E-02 | 1.06 | 0.94 |
| rs77740602 | 104767754 | T | C | 0.21 | 0.92 | 0.03 | 1.6E-02 | 0 | <0.01 | 0.19 | I/I | 2.2E-02 | 0.93 | 1.9E-02 | 0.92 | 0.72 |
| rs4306429 | 104967939 | T | C | 0.22 | 0.93 | 0.03 | 1.7E-02 | 0 | <0.01 | 0.24 | I/I | 1.8E-02 | 0.93 | 1.2E-02 | 0.93 | 0.75 |
| rs138589728 | 105116895 | G | C | 0.02 | 0.77 | 0.11 | 1.7E-02 | 0 | 0.06 | 0.02 | I/I | 3.7E-02 | 0.80 | 2.1E-02 | 0.78 | 0.60 |
| rs1866825 | 105358349 | T | C | 0.24 | 1.07 | 0.03 | 1.7E-02 | 52.6 | <0.01 | 0.20 | I/I | 7.1E-03 | 1.07 | 1.8E-02 | 1.06 | 0.89 |
| rs8023038 | 105440006 | A | G | 0.37 | 1.06 | 0.02 | 1.7E-02 | 0 | <0.01 | 0.35 | I/I | 1.3E-02 | 1.06 | 4.5E-03 | 1.07 | 0.88 |
| rs2819455 | 105445412 | C | G | 0.17 | 0.92 | 0.03 | 1.7E-02 | 9.34 | 0.01 | 0.16 | I/I | 4.9E-02 | 0.93 | 2.4E-02 | 0.93 | 0.72 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs34504872 | 104943433 | T | C | 0.13 | 0.93 | 0.03 | 1.7E-02 | 0 | <0.01 | 0.07 | I/I | 2.1E-02 | 0.93 | 1.4E-02 | 0.92 | 0.93 |
| rs9788594 | 105350868 | T | C | 0.23 | 1.06 | 0.03 | 1.7E-02 | 61.72 | <0.01 | 0.20 | I/I | 6.3E-03 | 1.07 | 1.8E-02 | 1.06 | 0.90 |
| rs117276210 | 104929403 | T | C | 0.04 | 0.85 | 0.07 | 1.8E-02 | 0 | <0.01 | 0.03 | I/I | 3.2E-02 | 0.87 | 2.3E-02 | 0.86 | 0.72 |
| rs74090038 | 105262781 | T | C | 0.29 | 1.06 | 0.02 | 1.8E-02 | 48.34 | 0.13 | 0.31 | I/I | 1.8E-01 | 1.03 | 4.5E-01 | 1.02 | 0.87 |
| rs11622483 | 105541534 | T | C | 0.38 | 1.07 | 0.03 | 1.8E-02 | 0 | <0.01 | 0.39 | I/I | 2.3E-02 | 1.07 | 1.2E-02 | 1.07 | 0.59 |
| rs76927852 | 105099784 | A | G | 0.02 | 1.27 | 0.10 | 1.8E-02 | 0 | 0.01 | 0.02 | I/I | 3.0E-02 | 1.24 | 4.6E-02 | 1.22 | 0.70 |
| rs7145300 | 105147308 | G | A | 0.42 | 1.07 | 0.03 | 1.9E-02 | 0 | 0.04 | 0.45 | I/I | 1.4E-01 | 1.04 | 6.7E-02 | 1.05 | 0.75 |
| rs2494739 | 105246989 | T | C | 0.07 | 1.10 | 0.04 | 1.9E-02 | 3.98 | 0.15 | 0.08 | I/I | 5.6E-01 | 1.02 | 9.9E-01 | 1.00 | 0.97 |
| rs72709704 | 105667949 | A | G | 0.01 | 1.25 | 0.10 | 1.9E-02 | 0 | 0.01 | 0.02 | I/I | 4.1E-02 | 1.22 | 5.2E-02 | 1.20 | 0.83 |
| rs2498782 | 105280847 | T | C | 0.20 | 0.93 | 0.03 | 2.0E-02 | 70.25 | <0.01 | 0.16 | I/I | 1.0E-02 | 0.92 | 3.3E-02 | 0.93 | 0.64 |
| rs6576058 | 105163560 | C | T | 0.34 | 1.06 | 0.02 | 2.0E-02 | 0 | 0.41 | 0.38 | I/I | 8.1E-01 | 1.01 | 2.9E-01 | 0.97 | 0.88 |
| rs2582558 | 105347488 | T | C | 0.43 | 1.05 | 0.02 | 2.0E-02 | 0 | 0.04 | 0.38 | G/G | 3.2E-03 | 1.06 | 5.6E-03 | 1.06 | 1.00 |
| rs187903526 | 105356327 | G | A | 0.07 | 1.14 | 0.06 | 2.0E-02 | 0 | <0.01 | 0.14 | I/I | 2.3E-02 | 1.14 | 3.1E-02 | 1.13 | 0.50 |
| rs111781133 | 105425903 | A | G | 0.03 | 1.17 | 0.07 | 2.0E-02 | 49.88 | <0.01 | 0.05 | I/I | 3.0E-02 | 1.16 | 3.2E-02 | 1.16 | 0.80 |
| rs141600524 | 105418155 | C | G | 0.21 | 1.08 | 0.03 | 2.0E-02 | 0 | <0.01 | 0.22 | I/I | 2.7E-02 | 1.08 | 1.8E-02 | 1.08 | 0.58 |
| rs79943085 | 104819295 | C | T | 0.02 | 0.76 | 0.12 | 2.1E-02 | 0 | <0.01 | 0.04 | I/I | 1.8E-02 | 0.76 | 1.9E-02 | 0.76 | 0.74 |
| rs10142069 | 105252070 | C | T | 0.28 | 1.06 | 0.02 | 2.1E-02 | 38.46 | 0.13 | 0.31 | I/I | 2.0E-01 | 1.03 | 4.8E-01 | 1.02 | 0.85 |
| rs61759760 | 105256187 | T | C | 0.29 | 1.05 | 0.02 | 2.1E-02 | 37.58 | 0.13 | 0.31 | I/I | 2.1E-01 | 1.03 | 5.0E-01 | 1.02 | 0.86 |
| rs4380005 | 104992031 | A | G | 0.10 | 0.91 | 0.04 | 2.1E-02 | 0 | <0.01 | 0.05 | I/I | 2.0E-02 | 0.91 | 1.2E-02 | 0.90 | 0.85 |
| rs28625715 | 104943599 | T | C | 0.13 | 0.93 | 0.03 | 2.1E-02 | 0 | <0.01 | 0.07 | I/I | 2.6E-02 | 0.93 | 1.7E-02 | 0.93 | 0.92 |
| rs12588561 | 105168839 | C | T | 0.33 | 1.06 | 0.02 | 2.1E-02 | 0 | 0.43 | 0.36 | I/I | 8.9E-01 | 1.00 | 2.6E-01 | 0.97 | 0.91 |
| rs4983557 | 105277135 | T | A | 0.12 | 0.92 | 0.04 | 2.1E-02 | 7.82 | 0.09 | 0.13 | I/I | 4.2E-01 | 0.97 | 8.2E-01 | 0.99 | 0.76 |
| rs10139245 | 104959120 | G | A | 0.40 | 1.05 | 0.02 | 2.2E-02 | 0 | <0.01 | 0.35 | I/I | 3.7E-02 | 1.05 | 2.1E-02 | 1.05 | 0.96 |
| rs34627241 | 104968147 | A | G | 0.11 | 0.92 | 0.04 | 2.2E-02 | 0 | <0.01 | 0.06 | I/I | 2.4E-02 | 0.92 | 1.7E-02 | 0.92 | 0.92 |
| rs149617324 | 105553487 | T | C | 0.02 | 1.27 | 0.10 | 2.2E-02 | 0 | 0.02 | 0.01 | I/I | 9.9E-02 | 1.19 | 1.6E-01 | 1.16 | 0.50 |
| rs57421664 | 104863581 | T | C | 0.06 | 1.14 | 0.06 | 2.2E-02 | 0.12 | <0.01 | 0.01 | I/I | 1.8E-02 | 1.14 | 2.1E-02 | 1.14 | 0.61 |
| rs147978925 | 105418149 | T | A | 0.21 | 1.08 | 0.03 | 2.2E-02 | 0 | <0.01 | 0.22 | I/I | 2.9E-02 | 1.07 | 2.1E-02 | 1.08 | 0.58 |
| rs2841211 | 105315023 | C | T | 0.22 | 1.07 | 0.03 | 2.2E-02 | 73.2 | <0.01 | 0.16 | I/I | 6.1E-03 | 1.09 | 1.3E-02 | 1.08 | 0.74 |
| rs11848805 | 105255658 | A | G | 0.29 | 1.05 | 0.02 | 2.2E-02 | 36.97 | 0.13 | 0.31 | I/I | 2.1E-01 | 1.03 | 5.2E-01 | 1.02 | 0.86 |
| rs2919620 | 105314007 | G | A | 0.22 | 1.07 | 0.03 | 2.3E-02 | 72.8 | 0.01 | 0.19 | I/I | 1.6E-02 | 1.08 | 3.4E-02 | 1.07 | 0.76 |
| rs10136000 | 105253581 | A | G | 0.28 | 1.05 | 0.02 | 2.3E-02 | 39.77 | 0.13 | 0.31 | I/G | 2.0E-01 | 1.03 | 4.9E-01 | 1.02 | 0.86 |
| rs1982231 | 105451642 | T | C | 0.48 | 1.06 | 0.02 | 2.3E-02 | 0 | <0.01 | 0.48 | I/I | 1.7E-02 | 1.06 | 4.5E-03 | 1.07 | 0.78 |
| rs7493091 | 105214171 | T | G | 0.06 | 1.10 | 0.04 | 2.3E-02 | 0 | 0.15 | 0.07 | I/I | 4.8E-01 | 1.03 | 7.7E-01 | 1.01 | 0.98 |
| rs4983558 | 105277144 | T | C | 0.12 | 0.92 | 0.04 | 2.3E-02 | 7.02 | 0.09 | 0.13 | I/I | 4.3E-01 | 0.97 | 8.4E-01 | 0.99 | 0.76 |
| rs140572555 | 105217357 | G | A | 0.06 | 1.10 | 0.04 | 2.3E-02 | 0 | 0.15 | 0.07 | I/I | 4.6E-01 | 1.03 | 7.5E-01 | 1.01 | 0.99 |
| rs74504710 | 104964857 | T | A | 0.43 | 1.05 | 0.02 | 2.3E-02 | 0 | <0.01 | 0.36 | I/I | 3.5E-02 | 1.05 | 2.2E-02 | 1.05 | 0.88 |
| rs76939505 | 104964854 | G | A | 0.43 | 1.05 | 0.02 | 2.3E-02 | 0 | <0.01 | 0.36 | I/I | 3.5E-02 | 1.05 | 2.2E-02 | 1.05 | 0.88 |
| rs11626743 | 104990326 | G | C | 0.13 | 0.92 | 0.04 | 2.3E-02 | 0 | <0.01 | 0.08 | I/I | 2.5E-02 | 0.92 | 1.6E-02 | 0.92 | 0.88 |
| rs7493507 | 104960774 | C | T | 0.42 | 1.05 | 0.02 | 2.4E-02 | 0 | <0.01 | 0.38 | I/I | 3.9E-02 | 1.05 | 2.2E-02 | 1.05 | 0.93 |
| rs11844158 | 104987452 | T | C | 0.14 | 0.93 | 0.03 | 2.4E-02 | 0 | <0.01 | 0.08 | I/I | 2.6E-02 | 0.93 | 1.7E-02 | 0.92 | 0.88 |
| rs4294750 | 104963113 | T | C | 0.40 | 1.05 | 0.02 | 2.4E-02 | 0 | <0.01 | 0.35 | G*/I | 4.1E-02 | 1.05 | 2.3E-02 | 1.05 | 0.97 |
| rs1130214 | 105259734 | A | C | 0.29 | 1.05 | 0.02 | 2.4E-02 | 36.32 | 0.13 | 0.31 | I/I | 2.3E-01 | 1.03 | 5.4E-01 | 1.02 | 0.87 |
| rs2247712 | 105359827 | C | T | 0.23 | 1.06 | 0.03 | 2.4E-02 | 51.2 | <0.01 | 0.19 | I/I | 1.1E-02 | 1.07 | 2.7E-02 | 1.06 | 0.89 |
| rs36214921 | 105261414 | C | G | 0.29 | 1.05 | 0.02 | 2.4E-02 | 38.37 | 0.13 | 0.31 | I/I | 2.3E-01 | 1.03 | 5.3E-01 | 1.02 | 0.87 |
| rs28562073 | 104944346 | T | C | 0.13 | 0.93 | 0.03 | 2.4E-02 | 0 | <0.01 | 0.07 | I/I | 2.9E-02 | 0.93 | 1.9E-02 | 0.93 | 0.92 |
| rs188407491 | 104927991 | C | A | 0.07 | 1.14 | 0.06 | 2.4E-02 | 15.15 | <0.01 | 0.05 | I/I | 2.4E-02 | 1.14 | 2.2E-02 | 1.14 | 0.59 |
| rs752265 | 105361934 | C | T | 0.23 | 1.06 | 0.03 | 2.5E-02 | 56.94 | <0.01 | 0.19 | I/I | 1.1E-02 | 1.07 | 2.7E-02 | 1.06 | 0.89 |
| rs57414669 | 105415293 | T | C | 0.27 | 1.07 | 0.03 | 2.5E-02 | 0 | <0.01 | 0.26 | I/I | 8.0E-03 | 1.08 | 1.2E-02 | 1.08 | 0.63 |
| rs28566061 | 104962704 | A | G | 0.40 | 1.05 | 0.02 | 2.5E-02 | 0 | <0.01 | 0.35 | I/I | 4.2E-02 | 1.04 | 2.4E-02 | 1.05 | 0.97 |
| rs2819435 | 105416220 | A | T | 0.23 | 1.07 | 0.03 | 2.5E-02 | 4.36 | <0.01 | 0.21 | I/I | 1.1E-02 | 1.08 | 1.2E-02 | 1.08 | 0.73 |
| rs11847866 | 105255205 | A | G | 0.28 | 1.05 | 0.02 | 2.5E-02 | 40.9 | 0.13 | 0.31 | I/I | 2.2E-01 | 1.03 | 5.2E-01 | 1.02 | 0.86 |
| rs12385898 | 104959641 | A | T | 0.40 | 1.05 | 0.02 | 2.5E-02 | 0 | <0.01 | 0.35 | I/I | 4.3E-02 | 1.04 | 2.4E-02 | 1.05 | 0.97 |
| rs78809671 | 104964849 | T | C | 0.43 | 1.05 | 0.02 | 2.5E-02 | 0 | <0.01 | 0.36 | I/I | 3.8E-02 | 1.05 | 2.4E-02 | 1.05 | 0.88 |
| rs113861864 | 104811549 | A | G | 0.02 | 0.77 | 0.12 | 2.6E-02 | 0 | <0.01 | 0.04 | I/I | 2.3E-02 | 0.76 | 2.4E-02 | 0.76 | 0.75 |
| rs11848695 | 105255405 | A | G | 0.28 | 1.05 | 0.02 | 2.6E-02 | 40.81 | 0.13 | 0.31 | I/I | 2.3E-01 | 1.03 | 5.3E-01 | 1.02 | 0.86 |
| rs11628199 | 104961972 | G | A | 0.40 | 1.05 | 0.02 | 2.6E-02 | 0 | <0.01 | 0.35 | G*/I | 4.4E-02 | 1.04 | 2.5E-02 | 1.05 | 0.97 |
| rs28449913 | 104962667 | C | G | 0.40 | 1.05 | 0.02 | 2.6E-02 | 0 | <0.01 | 0.35 | I/I | 4.4E-02 | 1.04 | 2.5E-02 | 1.05 | 0.97 |
| rs7149036 | 104967813 | A | G | 0.49 | 1.06 | 0.03 | 2.6E-02 | 0 | <0.01 | 0.42 | I/I | 4.4E-02 | 1.05 | 2.6E-02 | 1.06 | 0.68 |
| rs3001410 | 105313998 | C | T | 0.26 | 1.06 | 0.03 | 2.6E-02 | 69.19 | <0.01 | 0.23 | I/I | 9.9E-03 | 1.08 | 2.0E-02 | 1.07 | 0.76 |
| rs61758556 | 105256575 | T | A | 0.15 | 1.07 | 0.03 | 2.6E-02 | 0 | 0.27 | 0.15 | I/I | 9.3E-01 | 1.00 | 5.3E-01 | 0.98 | 0.82 |
| rs28714324 | 104962678 | A | G | 0.40 | 1.05 | 0.02 | 2.6E-02 | 0 | <0.01 | 0.35 | G*/I | 4.5E-02 | 1.04 | 2.6E-02 | 1.05 | 0.97 |
| rs10140805 | 104962372 | C | T | 0.40 | 1.05 | 0.02 | 2.6E-02 | 0 | <0.01 | 0.35 | G*/I | 4.5E-02 | 1.04 | 2.6E-02 | 1.05 | 0.97 |
| rs10151834 | 104962454 | A | G | 0.40 | 1.05 | 0.02 | 2.6E-02 | 0 | <0.01 | 0.35 | G*/I | 4.5E-02 | 1.04 | 2.6E-02 | 1.05 | 0.97 |
| rs10138337 | 104962178 | C | T | 0.40 | 1.05 | 0.02 | 2.6E-02 | 0 | <0.01 | 0.35 | G*/I | 4.5E-02 | 1.04 | 2.6E-02 | 1.05 | 0.97 |
| rs10149078 | 104962055 | T | C | 0.40 | 1.05 | 0.02 | 2.6E-02 | 0 | <0.01 | 0.35 | G*/I | 4.5E-02 | 1.04 | 2.6E-02 | 1.05 | 0.97 |
| rs12590313 | 104961635 | A | G | 0.40 | 1.05 | 0.02 | 2.7E-02 | 0 | <0.01 | 0.35 | G*/I | 4.6E-02 | 1.04 | 2.6E-02 | 1.05 | 0.97 |
| rs11160809 | 104964027 | A | G | 0.40 | 1.05 | 0.02 | 2.7E-02 | 0 | <0.01 | 0.35 | I/I | 4.6E-02 | 1.04 | 2.6E-02 | 1.05 | 0.96 |
| rs12879055 | 104909124 | T | C | 0.12 | 0.93 | 0.03 | 2.7E-02 | 0 | <0.01 | 0.06 | I/I | 3.3E-02 | 0.93 | 2.2E-02 | 0.93 | 0.91 |
| rs10142313 | 104959891 | G | A | 0.40 | 1.05 | 0.02 | 2.7E-02 | 0 | <0.01 | 0.35 | I/I | 4.6E-02 | 1.04 | 2.7E-02 | 1.05 | 0.97 |
| rs61758466 | 105257354 | A | G | 0.15 | 1.07 | 0.03 | 2.7E-02 | 0 | 0.27 | 0.15 | I/I | 9.4E-01 | 1.00 | 5.2E-01 | 0.98 | 0.82 |
| rs67110142 | 105274945 | A | G | 0.26 | 1.06 | 0.02 | 2.7E-02 | 0 | 0.10 | 0.28 | I/I | 2.5E-01 | 1.03 | 5.2E-01 | 1.02 | 0.88 |
| rs4372620 | 104963414 | C | T | 0.40 | 1.05 | 0.02 | 2.7E-02 | 0 | <0.01 | 0.35 | I/I | 4.6E-02 | 1.04 | 2.6E-02 | 1.05 | 0.97 |
| rs61999508 | 105630471 | T | C | 0.24 | 1.07 | 0.03 | 2.7E-02 | 0 | <0.01 | 0.29 | I/I | 2.0E-02 | 1.07 | 2.3E-02 | 1.07 | 0.82 |
| rs11620654 | 104963006 | T | C | 0.40 | 1.05 | 0.02 | 2.8E-02 | 0 | <0.01 | 0.35 | G*/I | 4.7E-02 | 1.04 | 2.7E-02 | 1.05 | 0.97 |
| rs11625393 | 104962984 | A | T | 0.40 | 1.05 | 0.02 | 2.8E-02 | 0 | <0.01 | 0.35 | G*/I | 4.7E-02 | 1.04 | 2.7E-02 | 1.05 | 0.97 |
| rs35148920 | 104962999 | C | A | 0.40 | 1.05 | 0.02 | 2.8E-02 | 0 | <0.01 | 0.35 | G*/I | 4.7E-02 | 1.04 | 2.7E-02 | 1.05 | 0.97 |
| rs4384541 | 104960860 | A | G | 0.40 | 1.05 | 0.02 | 2.8E-02 | 0 | <0.01 | 0.35 | I/I | 4.7E-02 | 1.04 | 2.7E-02 | 1.05 | 0.97 |
| rs11626836 | 104960490 | T | C | 0.40 | 1.05 | 0.02 | 2.8E-02 | 0 | <0.01 | 0.35 | I/I | 4.7E-02 | 1.04 | 2.7E-02 | 1.05 | 0.97 |
| rs73364518 | 105247268 | T | C | 0.02 | 0.81 | 0.10 | 2.8E-02 | 0 | <0.01 | 0.04 | I/I | 1.2E-01 | 0.86 | 6.3E-02 | 0.84 | 0.54 |
| rs12385921 | 104959600 | T | C | 0.40 | 1.05 | 0.02 | 2.8E-02 | 0 | <0.01 | 0.35 | I/I | 4.7E-02 | 1.04 | 2.7E-02 | 1.05 | 0.97 |
| rs4595740 | 104951976 | G | C | 0.40 | 1.05 | 0.02 | 2.8E-02 | 0 | <0.01 | 0.35 | G*/I | 4.7E-02 | 1.04 | 2.7E-02 | 1.05 | 0.97 |
| rs12589027 | 104954376 | T | C | 0.40 | 1.05 | 0.02 | 2.8E-02 | 0 | <0.01 | 0.35 | G*/I | 4.7E-02 | 1.04 | 2.7E-02 | 1.05 | 0.97 |
| rs10147348 | 105363202 | G | A | 0.23 | 1.06 | 0.03 | 2.8E-02 | 56.87 | <0.01 | 0.19 | I/I | 1.2E-02 | 1.07 | 3.0E-02 | 1.06 | 0.89 |
| rs145832309 | 105121596 | A | T | 0.06 | 1.14 | 0.06 | 2.8E-02 | 0 | <0.01 | 0.04 | I/I | 3.6E-02 | 1.13 | 5.3E-02 | 1.12 | 0.59 |
| rs45580235 | 105359659 | T | C | 0.23 | 1.06 | 0.03 | 2.8E-02 | 50.88 | <0.01 | 0.19 | I/I | 1.3E-02 | 1.07 | 3.0E-02 | 1.06 | 0.89 |
| rs61997153 | 104964625 | T | A | 0.40 | 1.05 | 0.02 | 2.8E-02 | 0 | <0.01 | 0.35 | I/I | 4.8E-02 | 1.04 | 2.7E-02 | 1.05 | 0.95 |
| rs61996014 | 105357326 | A | G | 0.33 | 1.06 | 0.03 | 2.8E-02 | 60.3 | <0.01 | 0.37 | I/I | 3.1E-02 | 1.06 | 4.2E-02 | 1.05 | 0.73 |
| rs2396455 | 105317145 | C | T | 0.19 | 1.07 | 0.03 | 2.8E-02 | 71.44 | 0.01 | 0.16 | I/I | 1.3E-02 | 1.08 | 3.0E-02 | 1.07 | 0.81 |
| rs4566089 | 104951558 | A | T | 0.40 | 1.05 | 0.02 | 2.8E-02 | 0 | <0.01 | 0.35 | G*/I | 4.8E-02 | 1.04 | 2.8E-02 | 1.05 | 0.97 |
| rs28539404 | 105138346 | G | A | 0.35 | 1.06 | 0.03 | 2.9E-02 | 0 | 0.02 | 0.31 | I/I | 1.1E-01 | 1.05 | 5.9E-02 | 1.05 | 0.75 |
| rs139394329 | 105243606 | C | G | 0.13 | 1.08 | 0.04 | 2.9E-02 | 0 | <0.01 | 0.11 | I/I | 6.6E-01 | 0.98 | 2.3E-01 | 0.95 | 0.67 |
| rs7493331 | 104960783 | G | A | 0.42 | 1.05 | 0.02 | 2.9E-02 | 0 | <0.01 | 0.38 | I/I | 4.8E-02 | 1.04 | 2.7E-02 | 1.05 | 0.93 |
| rs28376559 | 104941778 | T | C | 0.40 | 1.05 | 0.02 | 2.9E-02 | 0 | <0.01 | 0.35 | I/I | 4.9E-02 | 1.04 | 2.9E-02 | 1.05 | 0.95 |
| rs3742939 | 105359306 | C | G | 0.23 | 1.06 | 0.03 | 2.9E-02 | 50.46 | <0.01 | 0.19 | I/I | 1.3E-02 | 1.07 | 3.2E-02 | 1.06 | 0.89 |
| rs4262882 | 105275892 | C | T | 0.16 | 0.93 | 0.03 | 3.0E-02 | 0 | 0.02 | 0.22 | I/I | 2.3E-01 | 0.96 | 6.5E-01 | 0.98 | 0.66 |
| rs76254324 | 104964978 | C | T | 0.40 | 1.05 | 0.02 | 3.0E-02 | 0 | <0.01 | 0.35 | I/I | 5.0E-02 | 1.04 | 2.8E-02 | 1.05 | 0.94 |
| rs7493326 | 104960649 | T | C | 0.40 | 1.05 | 0.02 | 3.0E-02 | 0 | <0.01 | 0.35 | I/I | 5.0E-02 | 1.04 | 2.9E-02 | 1.05 | 0.96 |
| rs12894531 | 105640076 | A | G | 0.49 | 1.05 | 0.02 | 3.0E-02 | 52.91 | <0.01 | 0.49 | I/I | 2.8E-02 | 1.05 | 3.2E-02 | 1.05 | 0.93 |
| rs182604884 | 105415317 | T | C | 0.25 | 1.07 | 0.03 | 3.0E-02 | 0 | <0.01 | 0.24 | I/I | 6.8E-03 | 1.09 | 8.2E-03 | 1.08 | 0.60 |
| rs4075085 | 105479541 | G | T | 0.32 | 1.05 | 0.02 | 3.0E-02 | 0 | <0.01 | 0.32 | I/I | 3.6E-02 | 1.05 | 1.4E-02 | 1.06 | 0.91 |
| rs12050408 | 105280853 | T | C | 0.27 | 1.06 | 0.03 | 3.1E-02 | 74.46 | <0.01 | 0.24 | I/I | 6.5E-03 | 1.08 | 1.3E-02 | 1.08 | 0.65 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs4247030 | 105181848 | G | A | 0.23 | 0.95 | 0.03 | 3.1E-02 | 0 | 0.38 | 0.30 | I/I | 5.8E-01 | 0.99 | 8.1E-01 | 1.01 | 0.95 |
| rs56256371 | 105563060 | A | C | 0.45 | 1.05 | 0.02 | 3.1E-02 | 0 | <0.01 | 0.45 | I/I | 3.2E-02 | 1.05 | 1.8E-02 | 1.06 | 0.84 |
| rs74212664 | 104965084 | C | A | 0.40 | 1.05 | 0.02 | 3.2E-02 | 0 | <0.01 | 0.35 | I/I | 5.3E-02 | 1.04 | 3.0E-02 | 1.05 | 0.94 |
| rs72708091 | 104965112 | C | T | 0.40 | 1.05 | 0.02 | 3.2E-02 | 0 | <0.01 | 0.35 | I/I | 5.3E-02 | 1.04 | 3.0E-02 | 1.05 | 0.94 |
| rs10138387 | 105315682 | G | T | 0.20 | 1.07 | 0.03 | 3.2E-02 | 74.1 | 0.01 | 0.17 | I/I | 1.7E-02 | 1.07 | 3.7E-02 | 1.07 | 0.80 |
| rs7153573 | 104973839 | C | G | 0.23 | 0.94 | 0.03 | 3.3E-02 | 73.72 | <0.01 | 0.19 | I/I | 1.9E-02 | 0.93 | 2.1E-02 | 0.93 | 0.86 |
| rs4274376 | 104963402 | A | T | 0.40 | 1.05 | 0.02 | 3.3E-02 | 0 | <0.01 | 0.35 | I/I | 5.5E-02 | 1.04 | 3.2E-02 | 1.05 | 0.97 |
| rs9672043 | 105180484 | T | C | 0.23 | 0.95 | 0.03 | 3.3E-02 | 0 | 0.38 | 0.30 | I/I | 5.9E-01 | 0.99 | 8.0E-01 | 1.01 | 0.95 |
| rs67183455 | 105281420 | A | C | 0.19 | 0.93 | 0.03 | 3.4E-02 | 74.83 | <0.01 | 0.16 | I/I | 2.4E-02 | 0.93 | 5.0E-02 | 0.94 | 0.65 |
| rs7141960 | 104966414 | A | C | 0.40 | 1.05 | 0.02 | 3.4E-02 | 0 | <0.01 | 0.35 | G*/I | 5.9E-02 | 1.04 | 3.2E-02 | 1.05 | 0.92 |
| rs12886273 | 104976393 | T | C | 0.23 | 0.94 | 0.03 | 3.4E-02 | 73.14 | <0.01 | 0.18 | I/I | 2.0E-02 | 0.93 | 2.2E-02 | 0.93 | 0.86 |
| rs77667449 | 105417353 | G | T | 0.22 | 1.07 | 0.03 | 3.4E-02 | 0 | <0.01 | 0.22 | I/I | 3.0E-03 | 1.11 | 5.9E-03 | 1.10 | 0.55 |
| rs61996214 | 105678818 | T | C | 0.16 | 1.07 | 0.03 | 3.4E-02 | 0 | <0.01 | 0.18 | I/I | 4.9E-02 | 1.07 | 6.4E-02 | 1.07 | 0.77 |
| rs4983535 | 105180565 | C | T | 0.23 | 0.95 | 0.03 | 3.4E-02 | 0 | 0.38 | 0.30 | I/I | 6.0E-01 | 0.99 | 7.8E-01 | 1.01 | 0.95 |
| rs10140224 | 104975015 | C | T | 0.23 | 0.94 | 0.03 | 3.4E-02 | 73.23 | <0.01 | 0.18 | I/I | 2.0E-02 | 0.93 | 2.2E-02 | 0.93 | 0.86 |
| rs72715996 | 105277950 | A | G | 0.21 | 0.93 | 0.03 | 3.5E-02 | 53.52 | 0.03 | 0.22 | I/I | 1.1E-01 | 0.95 | 5.4E-01 | 0.98 | 0.59 |
| rs34552840 | 104909981 | C | T | 0.12 | 0.93 | 0.03 | 3.5E-02 | 0 | <0.01 | 0.06 | I/I | 4.3E-02 | 0.94 | 2.9E-02 | 0.93 | 0.91 |
| rs2841244 | 105360746 | C | T | 0.23 | 1.06 | 0.03 | 3.5E-02 | 49.78 | <0.01 | 0.19 | I/I | 1.4E-02 | 1.07 | 3.6E-02 | 1.06 | 0.87 |
| rs28562928 | 105316950 | G | C | 0.20 | 1.07 | 0.03 | 3.5E-02 | 75.16 | 0.01 | 0.17 | I/I | 1.9E-02 | 1.07 | 4.0E-02 | 1.06 | 0.80 |
| rs9805957 | 105437057 | C | A | 0.37 | 1.05 | 0.02 | 3.5E-02 | 0 | <0.01 | 0.37 | I/I | 2.9E-02 | 1.05 | 1.1E-02 | 1.06 | 0.92 |
| rs117987592 | 105152336 | A | G | 0.12 | 1.08 | 0.04 | 3.5E-02 | 0 | <0.01 | 0.12 | I/I | 7.6E-01 | 1.01 | 4.3E-01 | 1.03 | 0.74 |
| rs72707701 | 105661036 | T | C | 0.02 | 1.20 | 0.09 | 3.5E-02 | 9.14 | 0.02 | 0.03 | I/I | 6.7E-02 | 1.17 | 8.2E-02 | 1.16 | 0.79 |
| rs189195328 | 105321409 | A | G | 0.08 | 1.12 | 0.05 | 3.6E-02 | 33.09 | <0.01 | 0.08 | I/I | 2.6E-02 | 1.13 | 1.4E-02 | 1.14 | 0.47 |
| rs187630833 | 105415394 | C | T | 0.24 | 1.07 | 0.03 | 3.7E-02 | 0 | <0.01 | 0.26 | I/I | 1.8E-03 | 1.11 | 5.0E-03 | 1.10 | 0.55 |
| rs4983534 | 105178478 | C | T | 0.23 | 0.95 | 0.03 | 3.7E-02 | 0 | 0.38 | 0.30 | I/I | 6.1E-01 | 0.99 | 7.6E-01 | 1.01 | 0.94 |
| rs28375558 | 104939327 | G | A | 0.39 | 0.96 | 0.02 | 3.8E-02 | 0 | <0.01 | 0.35 | I/I | 6.3E-02 | 0.96 | 3.8E-02 | 0.96 | 0.95 |
| rs74090040 | 105274801 | A | C | 0.28 | 1.05 | 0.02 | 3.8E-02 | 12.04 | 0.11 | 0.28 | I/I | 2.6E-01 | 1.03 | 5.6E-01 | 1.02 | 0.86 |
| rs2494736 | 105243565 | G | A | 0.07 | 1.09 | 0.04 | 3.8E-02 | 0 | 0.17 | 0.09 | I/G | 7.3E-01 | 1.02 | 9.3E-01 | 1.00 | 0.86 |
| rs10873547 | 104949875 | A | T | 0.40 | 1.05 | 0.02 | 3.8E-02 | 0 | <0.01 | 0.35 | G*/I | 6.3E-02 | 1.04 | 3.8E-02 | 1.05 | 0.97 |
| rs4073164 | 104947517 | T | C | 0.40 | 1.05 | 0.02 | 3.8E-02 | 0 | <0.01 | 0.35 | G*/I | 6.3E-02 | 1.04 | 3.8E-02 | 1.05 | 0.96 |
| rs2582516 | 105314093 | T | G | 0.20 | 1.07 | 0.03 | 3.8E-02 | 72.84 | 0.01 | 0.17 | I/I | 1.9E-02 | 1.07 | 4.3E-02 | 1.06 | 0.80 |
| rs73352180 | 104910564 | C | G | 0.12 | 0.94 | 0.03 | 3.9E-02 | 0 | <0.01 | 0.06 | I/I | 4.7E-02 | 0.94 | 3.2E-02 | 0.93 | 0.91 |
| rs187206356 | 105356468 | T | A | 0.10 | 0.90 | 0.05 | 3.9E-02 | 33.46 | <0.01 | 0.08 | I/I | 3.1E-02 | 0.90 | 2.1E-02 | 0.89 | 0.51 |
| rs4577018 | 105480240 | A | G | 0.29 | 1.05 | 0.02 | 3.9E-02 | 0 | <0.01 | 0.28 | I/I | 4.3E-02 | 1.05 | 1.8E-02 | 1.06 | 0.99 |
| rs6576069 | 105480130 | C | T | 0.29 | 1.05 | 0.02 | 3.9E-02 | 0 | <0.01 | 0.28 | I/I | 4.4E-02 | 1.05 | 1.8E-02 | 1.06 | 0.99 |
| rs115474770 | 104942888 | C | T | 0.01 | 0.75 | 0.14 | 3.9E-02 | 7.48 | <0.01 | 0.01 | I/I | 5.7E-02 | 0.77 | 5.5E-02 | 0.77 | 0.68 |
| rs4570772 | 105480250 | G | T | 0.29 | 1.05 | 0.02 | 3.9E-02 | 0 | <0.01 | 0.28 | I/I | 4.4E-02 | 1.05 | 1.8E-02 | 1.06 | 0.99 |
| rs4577017 | 105480237 | A | G | 0.29 | 1.05 | 0.02 | 3.9E-02 | 0 | <0.01 | 0.28 | I/I | 4.4E-02 | 1.05 | 1.8E-02 | 1.06 | 0.99 |
| rs4983563 | 104973165 | G | A | 0.23 | 0.94 | 0.03 | 3.9E-02 | 73.48 | <0.01 | 0.19 | I/I | 2.3E-02 | 0.93 | 2.6E-02 | 0.94 | 0.85 |
| rs7150546 | 105493110 | G | C | 0.33 | 1.05 | 0.02 | 3.9E-02 | 0 | <0.01 | 0.31 | I/I | 3.6E-02 | 1.05 | 1.3E-02 | 1.06 | 0.97 |
| rs11160820 | 105290070 | G | A | 0.20 | 0.94 | 0.03 | 3.9E-02 | 68.43 | 0.02 | 0.16 | I/I | 1.4E-02 | 0.92 | 3.3E-02 | 0.93 | 0.69 |
| rs35183811 | 105275924 | A | G | 0.27 | 1.05 | 0.02 | 4.0E-02 | 13.93 | 0.10 | 0.28 | I/I | 2.8E-01 | 1.03 | 5.8E-01 | 1.01 | 0.90 |
| rs28403559 | 104948334 | T | G | 0.40 | 1.05 | 0.02 | 4.0E-02 | 0 | <0.01 | 0.35 | G*/I | 6.6E-02 | 1.04 | 4.0E-02 | 1.05 | 0.97 |
| rs3902821 | 104948075 | A | G | 0.40 | 1.05 | 0.02 | 4.0E-02 | 0 | <0.01 | 0.35 | I/I | 6.7E-02 | 1.04 | 4.0E-02 | 1.05 | 0.97 |
| rs879210 | 105420927 | G | A | 0.46 | 1.05 | 0.02 | 4.0E-02 | 33.6 | <0.01 | 0.45 | I/I | 3.3E-02 | 1.05 | 2.8E-02 | 1.05 | 0.84 |
| rs78026692 | 105189968 | A | G | 0.08 | 1.09 | 0.04 | 4.0E-02 | 15.87 | 0.16 | 0.11 | I/I | 5.8E-01 | 1.02 | 8.5E-01 | 1.01 | 0.91 |
| rs10144833 | 105474840 | G | A | 0.29 | 1.05 | 0.02 | 4.0E-02 | 0 | <0.01 | 0.28 | I/I | 4.5E-02 | 1.05 | 1.9E-02 | 1.06 | 0.99 |
| rs28715110 | 104941016 | A | G | 0.40 | 1.05 | 0.02 | 4.0E-02 | 0 | <0.01 | 0.34 | I/I | 6.3E-02 | 1.04 | 3.9E-02 | 1.05 | 0.93 |
| rs7146925 | 105480025 | A | G | 0.29 | 1.05 | 0.02 | 4.1E-02 | 0 | <0.01 | 0.28 | I/I | 4.5E-02 | 1.05 | 1.9E-02 | 1.06 | 0.99 |
| rs4075087 | 105479655 | T | C | 0.29 | 1.05 | 0.02 | 4.1E-02 | 0 | <0.01 | 0.28 | I/I | 4.5E-02 | 1.05 | 1.9E-02 | 1.06 | 0.99 |
| rs11621569 | 104862889 | T | C | 0.16 | 0.93 | 0.03 | 4.1E-02 | 0 | <0.01 | 0.12 | I/I | 5.9E-02 | 0.94 | 4.5E-02 | 0.93 | 0.76 |
| rs78413415 | 104943792 | A | G | 0.01 | 0.75 | 0.14 | 4.1E-02 | 6.6 | <0.01 | 0.01 | I/I | 5.9E-02 | 0.77 | 5.7E-02 | 0.77 | 0.68 |
| rs10147672 | 105481186 | A | G | 0.29 | 1.05 | 0.02 | 4.1E-02 | 0 | <0.01 | 0.28 | I/I | 4.5E-02 | 1.05 | 1.9E-02 | 1.06 | 0.99 |
| rs879209 | 105421050 | G | T | 0.46 | 1.05 | 0.02 | 4.1E-02 | 33.46 | <0.01 | 0.45 | I/I | 3.3E-02 | 1.05 | 2.8E-02 | 1.05 | 0.84 |
| rs72713895 | 105151205 | C | A | 0.12 | 1.08 | 0.04 | 4.1E-02 | 0 | 0.14 | 0.12 | I/I | 8.1E-01 | 1.01 | 4.4E-01 | 1.03 | 0.73 |
| rs35511641 | 105430162 | A | G | 0.02 | 0.82 | 0.10 | 4.1E-02 | 0 | <0.01 | 0.01 | I/I | 4.5E-02 | 0.82 | 4.0E-02 | 0.82 | 0.61 |
| rs2819429 | 105414280 | G | T | 0.16 | 1.07 | 0.03 | 4.1E-02 | 0 | 0.01 | 0.16 | I/I | 2.0E-02 | 1.08 | 1.1E-02 | 1.09 | 0.80 |
| rs193251778 | 105107977 | G | T | 0.04 | 0.85 | 0.08 | 4.2E-02 | 0 | 0.02 | 0.06 | I/I | 6.9E-02 | 0.86 | 5.6E-02 | 0.85 | 0.44 |
| rs117324809 | 105533420 | A | G | 0.04 | 1.17 | 0.08 | 4.2E-02 | 0 | 0.02 | 0.06 | I/I | 1.2E-01 | 1.13 | 7.6E-02 | 1.15 | 0.50 |
| rs145335724 | 104886007 | A | G | 0.02 | 1.20 | 0.09 | 4.2E-02 | 12.43 | <0.01 | 0.03 | I/I | 4.6E-02 | 1.20 | 5.2E-02 | 1.20 | 0.76 |
| rs112040506 | 105316251 | T | C | 0.01 | 1.26 | 0.11 | 4.2E-02 | 4.39 | <0.01 | 0.01 | I/I | 1.3E-01 | 1.19 | 9.0E-02 | 1.21 | 0.66 |
| rs78641964 | 104877106 | A | G | 0.02 | 1.20 | 0.09 | 4.3E-02 | 9.25 | <0.01 | 0.03 | I/I | 4.7E-02 | 1.20 | 5.4E-02 | 1.19 | 0.74 |
| rs11160831 | 105482276 | T | C | 0.29 | 1.05 | 0.02 | 4.4E-02 | 0 | <0.01 | 0.28 | I/I | 4.9E-02 | 1.05 | 2.1E-02 | 1.05 | 0.99 |
| rs55862960 | 105430738 | A | G | 0.37 | 1.05 | 0.02 | 4.4E-02 | 0 | <0.01 | 0.38 | I/I | 3.6E-02 | 1.05 | 1.4E-02 | 1.06 | 0.92 |
| rs117623208 | 104882923 | G | C | 0.02 | 1.20 | 0.09 | 4.4E-02 | 15.13 | <0.01 | 0.03 | I/I | 4.8E-02 | 1.20 | 5.4E-02 | 1.19 | 0.76 |
| rs79518131 | 105044745 | A | G | 0.02 | 1.22 | 0.10 | 4.4E-02 | 27.02 | <0.01 | 0.02 | I/I | 2.8E-02 | 1.24 | 2.0E-02 | 1.26 | 0.45 |
| rs148561059 | 105230714 | T | C | 0.02 | 0.81 | 0.10 | 4.4E-02 | 8.46 | 0.01 | 0.02 | I/I | 3.8E-01 | 0.91 | 1.9E-01 | 0.87 | 0.45 |
| rs74090022 | 105245223 | T | C | 0.05 | 1.11 | 0.05 | 4.4E-02 | 21.86 | 0.11 | 0.05 | I/I | 5.7E-01 | 1.03 | 8.3E-01 | 1.01 | 0.68 |
| rs55791176 | 105418344 | G | T | 0.48 | 1.05 | 0.02 | 4.5E-02 | 63.92 | <0.01 | 0.49 | I/I | 3.2E-02 | 1.05 | 3.4E-02 | 1.05 | 0.87 |
| rs117608670 | 104867949 | G | A | 0.02 | 1.21 | 0.09 | 4.5E-02 | 12.95 | <0.01 | 0.03 | I/I | 4.9E-02 | 1.20 | 5.6E-02 | 1.20 | 0.72 |
| rs4983591 | 105002781 | C | T | 0.15 | 1.07 | 0.03 | 4.5E-02 | 63.77 | <0.01 | 0.14 | G*/I | 6.8E-02 | 1.07 | 1.0E-01 | 1.06 | 0.87 |
| rs28654371 | 105430927 | G | T | 0.36 | 1.05 | 0.02 | 4.5E-02 | 0 | <0.01 | 0.36 | I/I | 3.6E-02 | 1.05 | 1.4E-02 | 1.06 | 0.92 |
| rs4247032 | 105184689 | G | A | 0.23 | 0.95 | 0.02 | 4.6E-02 | 0 | 0.39 | 0.29 | I/I | 6.9E-01 | 0.99 | 6.7E-01 | 1.01 | 0.97 |
| rs4983388 | 105318117 | A | G | 0.28 | 1.05 | 0.03 | 4.6E-02 | 80.11 | 0.01 | 0.25 | I/I | 1.0E-02 | 1.07 | 1.3E-02 | 1.07 | 0.82 |
| rs2582515 | 105314262 | C | T | 0.20 | 1.06 | 0.03 | 4.6E-02 | 72.68 | 0.01 | 0.17 | I/I | 2.3E-02 | 1.07 | 5.1E-02 | 1.06 | 0.80 |
| rs4267249 | 105358032 | A | G | 0.31 | 1.05 | 0.02 | 4.6E-02 | 57.27 | <0.01 | 0.28 | I/I | 1.1E-02 | 1.06 | 1.6E-02 | 1.06 | 0.91 |
| rs11628967 | 105482079 | A | G | 0.29 | 1.05 | 0.02 | 4.7E-02 | 0 | <0.01 | 0.28 | I/I | 5.3E-02 | 1.05 | 2.2E-02 | 1.05 | 0.98 |
| rs10873552 | 105433129 | G | A | 0.36 | 1.05 | 0.02 | 4.7E-02 | 0 | <0.01 | 0.36 | I/I | 3.7E-02 | 1.05 | 1.4E-02 | 1.06 | 0.92 |
| rs28826297 | 104934185 | C | T | 0.39 | 0.96 | 0.02 | 4.7E-02 | 0 | <0.01 | 0.35 | I/I | 7.8E-02 | 0.96 | 4.8E-02 | 0.96 | 0.95 |
| rs146212961 | 104880529 | T | C | 0.02 | 1.20 | 0.09 | 4.7E-02 | 12.48 | <0.01 | 0.03 | I/I | 5.2E-02 | 1.20 | 5.8E-02 | 1.19 | 0.76 |
| rs10141867 | 105268104 | A | G | 0.28 | 1.05 | 0.02 | 4.8E-02 | 3.66 | 0.10 | 0.28 | I/I | 3.0E-01 | 1.02 | 6.1E-01 | 1.01 | 0.89 |
| rs11628289 | 105080065 | T | C | 0.38 | 0.95 | 0.03 | 4.9E-02 | 0 | <0.01 | 0.44 | I/I | 4.9E-02 | 0.95 | 6.0E-02 | 0.95 | 0.84 |
| rs61999503 | 105618729 | A | G | 0.07 | 0.90 | 0.06 | 4.9E-02 | 9.28 | <0.01 | 0.04 | I/I | 7.6E-02 | 0.91 | 6.2E-02 | 0.90 | 0.64 |
| rs58528480 | 104756318 | T | C | 0.19 | 1.07 | 0.04 | 4.9E-02 | 6.1 | <0.01 | 0.16 | I/I | 5.3E-02 | 1.07 | 6.2E-02 | 1.07 | 0.57 |
| rs12100836 | 104817192 | G | A | 0.24 | 0.94 | 0.03 | 4.9E-02 | 0 | <0.01 | 0.28 | G*/I | 7.3E-02 | 0.95 | 6.5E-02 | 0.94 | 0.85 |
| rs73354060 | 104945694 | T | A | 0.08 | 1.09 | 0.04 | 4.9E-02 | 33.9 | 0.01 | 0.02 | I/I | 4.0E-02 | 1.09 | 4.5E-02 | 1.09 | 0.85 |
| rs12894160 | 105289827 | T | C | 0.24 | 0.94 | 0.03 | 5.0E-02 | 78.88 | <0.01 | 0.22 | I/I | 2.7E-02 | 0.94 | 4.8E-02 | 0.94 | 0.73 |
| rs12891929 | 104974107 | C | T | 0.22 | 0.94 | 0.03 | 5.0E-02 | 75.9 | <0.01 | 0.19 | I/I | 2.9E-02 | 0.94 | 3.3E-02 | 0.94 | 0.86 |
| rs72708089 | 104965018 | A | G | 0.41 | 1.04 | 0.02 | 5.0E-02 | 0 | <0.01 | 0.35 | I/I | 7.8E-02 | 1.04 | 4.6E-02 | 1.05 | 0.93 |
| rs12882277 | 105176781 | A | G | 0.34 | 0.95 | 0.02 | 5.1E-02 | 0 | 0.43 | 0.36 | I/I | 9.8E-01 | 1.00 | 1.9E-01 | 1.04 | 0.86 |
| rs2498806 | 105285012 | G | A | 0.06 | 0.89 | 0.06 | 5.1E-02 | 0 | <0.01 | 0.02 | I/I | 6.7E-02 | 0.89 | 9.1E-02 | 0.90 | 0.52 |
| rs76711273 | 105183708 | T | C | 0.07 | 1.08 | 0.04 | 5.1E-02 | 15.84 | 0.16 | 0.10 | I/I | 5.9E-01 | 1.02 | 8.6E-01 | 1.01 | 0.95 |
| rs7146981 | 104915198 | G | T | 0.35 | 0.96 | 0.02 | 5.1E-02 | 0 | <0.01 | 0.36 | I/I | 7.0E-02 | 0.96 | 4.5E-02 | 0.96 | 0.95 |
| rs28593209 | 105416649 | A | G | 0.47 | 1.05 | 0.02 | 5.2E-02 | 0 | <0.01 | 0.46 | I/I | 1.8E-02 | 1.06 | 1.8E-02 | 1.06 | 0.83 |
| rs78447535 | 105418194 | G | A | 0.44 | 1.05 | 0.02 | 5.3E-02 | 5.86 | <0.01 | 0.42 | I/I | 3.9E-02 | 1.05 | 3.7E-02 | 1.05 | 0.82 |
| rs2494738 | 105246686 | A | G | 0.07 | 1.08 | 0.04 | 5.3E-02 | 18.27 | 0.15 | 0.08 | G/G | 9.1E-01 | 1.00 | 6.2E-01 | 0.98 | 1.00 |
| rs2841254 | 105370903 | G | T | 0.20 | 1.06 | 0.03 | 5.3E-02 | 55 | <0.01 | 0.17 | I/I | 3.8E-02 | 1.06 | 6.2E-02 | 1.05 | 0.93 |
| rs12878684 | 105267579 | G | A | 0.09 | 0.93 | 0.04 | 5.3E-02 | 0 | 0.10 | 0.10 | I/I | 5.6E-01 | 0.98 | 9.3E-01 | 1.00 | 0.96 |
| rs2841233 | 105346907 | C | T | 0.34 | 1.04 | 0.02 | 5.3E-02 | 0 | 0.04 | 0.29 | I/I | 1.7E-02 | 1.05 | 2.4E-02 | 1.05 | 0.97 |
| rs4983382 | 105189504 | A | G | 0.23 | 0.95 | 0.02 | 5.3E-02 | 0 | 0.35 | 0.29 | G/G | 7.1E-01 | 0.99 | 6.8E-01 | 1.01 | 1.00 |
| rs76622728 | 104825899 | A | T | 0.02 | 0.79 | 0.12 | 5.4E-02 | 0 | <0.01 | 0.04 | I/I | 4.9E-02 | 0.79 | 5.1E-02 | 0.79 | 0.70 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs116886725 | 104862877 | A | G | 0.03 | 0.87 | 0.08 | 5.4E-02 | 0 | <0.01 | 0.03 | I/I | 9.1E-02 | 0.88 | 7.0E-02 | 0.87 | 0.68 |
| rs11160841 | 105673042 | A | G | 0.27 | 1.05 | 0.03 | 5.4E-02 | 0 | <0.01 | 0.32 | I/I | 6.0E-02 | 1.05 | 7.2E-02 | 1.05 | 0.89 |
| rs33925946 | 105271836 | T | G | 0.28 | 1.05 | 0.02 | 5.5E-02 | 3.44 | 0.10 | 0.28 | I/I | 3.2E-01 | 1.02 | 6.5E-01 | 1.01 | 0.89 |
| rs117206535 | 104937693 | T | C | 0.04 | 1.12 | 0.06 | 5.5E-02 | 0 | <0.01 | 0.01 | I/I | 4.1E-02 | 1.13 | 4.6E-02 | 1.13 | 0.80 |
| rs146460135 | 105464288 | A | G | 0.02 | 0.81 | 0.11 | 5.5E-02 | 28.22 | 0.01 | 0.01 | I/I | 4.8E-02 | 0.81 | 6.3E-02 | 0.82 | 0.60 |
| rs12887693 | 104976429 | C | T | 0.22 | 0.94 | 0.03 | 5.6E-02 | 75.03 | <0.01 | 0.18 | I/I | 3.3E-02 | 0.94 | 3.7E-02 | 0.94 | 0.86 |
| rs74409343 | 104821531 | A | G | 0.02 | 0.80 | 0.11 | 5.6E-02 | 0 | <0.01 | 0.04 | I/I | 4.9E-02 | 0.80 | 5.2E-02 | 0.80 | 0.74 |
| rs4488389 | 104830428 | T | C | 0.23 | 0.94 | 0.03 | 5.7E-02 | 0 | <0.01 | 0.28 | I/I | 8.5E-02 | 0.95 | 7.5E-02 | 0.95 | 0.85 |
| rs7146045 | 104915383 | A | C | 0.34 | 0.96 | 0.02 | 5.7E-02 | 0 | <0.01 | 0.36 | I/G | 7.8E-02 | 0.96 | 5.1E-02 | 0.96 | 0.96 |
| rs59751257 | 104824825 | T | C | 0.02 | 0.81 | 0.11 | 5.7E-02 | 0 | <0.01 | 0.04 | I/I | 5.0E-02 | 0.80 | 5.3E-02 | 0.80 | 0.74 |
| rs75288492 | 104825284 | T | C | 0.02 | 0.81 | 0.11 | 5.7E-02 | 0 | <0.01 | 0.04 | I/I | 5.0E-02 | 0.80 | 5.3E-02 | 0.80 | 0.74 |
| rs187750084 | 105412328 | T | C | 0.23 | 1.06 | 0.03 | 5.8E-02 | 0 | <0.01 | 0.21 | I/I | 2.6E-02 | 1.07 | 2.4E-02 | 1.08 | 0.58 |
| rs192308340 | 105412330 | T | A | 0.23 | 1.06 | 0.03 | 5.8E-02 | 0 | <0.01 | 0.21 | I/I | 2.6E-02 | 1.07 | 2.4E-02 | 1.08 | 0.58 |
| rs4591063 | 104825323 | G | T | 0.23 | 0.94 | 0.03 | 5.8E-02 | 0 | <0.01 | 0.28 | I/I | 8.6E-02 | 0.95 | 7.7E-02 | 0.95 | 0.85 |
| rs11625007 | 105418391 | T | C | 0.50 | 1.04 | 0.02 | 5.9E-02 | 56.84 | <0.01 | 0.50 | I/I | 4.3E-02 | 1.05 | 4.0E-02 | 1.05 | 0.84 |
| rs3803300 | 105269779 | C | T | 0.09 | 0.93 | 0.04 | 5.9E-02 | 0 | 0.09 | 0.10 | I/I | 5.9E-01 | 0.98 | 9.7E-01 | 1.00 | 0.95 |
| rs111243858 | 104820457 | T | G | 0.02 | 0.80 | 0.12 | 5.9E-02 | 0 | <0.01 | 0.04 | I/I | 5.3E-02 | 0.80 | 5.5E-02 | 0.80 | 0.75 |
| rs35914118 | 105290216 | C | G | 0.29 | 1.05 | 0.03 | 6.0E-02 | 71.64 | <0.01 | 0.25 | I/I | 1.7E-02 | 1.07 | 2.9E-02 | 1.06 | 0.71 |
| rs34251364 | 105180785 | T | C | 0.08 | 1.07 | 0.04 | 6.1E-02 | 21.66 | 0.16 | 0.11 | I/I | 7.5E-01 | 1.01 | 9.9E-01 | 1.00 | 0.95 |
| rs2841215 | 105318852 | A | G | 0.06 | 1.12 | 0.06 | 6.1E-02 | 1.35 | <0.01 | 0.02 | I/I | 5.5E-02 | 1.12 | 8.4E-02 | 1.11 | 0.57 |
| rs12896097 | 105015096 | C | T | 0.14 | 1.08 | 0.04 | 6.1E-02 | 0 | <0.01 | 0.14 | I/I | 6.4E-02 | 1.08 | 6.0E-02 | 1.08 | 0.56 |
| rs57714398 | 104908584 | A | G | 0.13 | 0.94 | 0.03 | 6.1E-02 | 0 | <0.01 | 0.06 | I/I | 6.9E-02 | 0.94 | 4.9E-02 | 0.94 | 0.90 |
| rs10254 | 105213376 | T | C | 0.04 | 1.12 | 0.06 | 6.1E-02 | 18.34 | 0.10 | 0.05 | I/I | 5.4E-01 | 1.04 | 8.1E-01 | 1.02 | 0.72 |
| rs12147772 | 105156756 | G | A | 0.48 | 1.05 | 0.02 | 6.1E-02 | 0 | 0.10 | 0.49 | I/I | 5.1E-01 | 0.98 | 9.9E-01 | 1.00 | 0.88 |
| rs2582497 | 105431949 | C | A | 0.29 | 1.05 | 0.02 | 6.2E-02 | 0 | 0.02 | 0.31 | I/I | 5.7E-02 | 1.05 | 2.9E-02 | 1.06 | 0.93 |
| rs59699979 | 105148770 | G | T | 0.06 | 1.09 | 0.05 | 6.2E-02 | 38.13 | 0.02 | 0.06 | I/I | 2.7E-02 | 1.11 | 5.1E-02 | 1.09 | 0.91 |
| rs7150255 | 104912876 | T | C | 0.35 | 0.96 | 0.02 | 6.2E-02 | 0 | <0.01 | 0.36 | I/I | 8.6E-02 | 0.96 | 5.7E-02 | 0.96 | 0.93 |
| rs28548671 | 104971836 | T | A | 0.19 | 1.06 | 0.03 | 6.3E-02 | 17.43 | <0.01 | 0.22 | I/I | 8.7E-02 | 1.06 | 8.8E-02 | 1.06 | 0.79 |
| rs61996004 | 105356290 | G | A | 0.22 | 1.07 | 0.04 | 6.3E-02 | 26.1 | <0.01 | 0.23 | I/I | 1.2E-02 | 1.09 | 1.9E-02 | 1.09 | 0.48 |
| rs6576053 | 105081882 | C | T | 0.38 | 0.95 | 0.03 | 6.3E-02 | 0 | <0.01 | 0.44 | I/I | 6.5E-02 | 0.95 | 7.8E-02 | 0.96 | 0.85 |
| rs112150875 | 104838133 | A | G | 0.06 | 0.90 | 0.06 | 6.3E-02 | 38.8 | <0.01 | 0.05 | I/I | 1.1E-01 | 0.91 | 9.9E-02 | 0.91 | 0.73 |
| rs6576037 | 104870913 | T | C | 0.05 | 0.89 | 0.06 | 6.3E-02 | 46.9 | <0.01 | 0.05 | I/I | 4.5E-02 | 0.88 | 5.0E-02 | 0.89 | 0.67 |
| rs12878750 | 105309608 | T | C | 0.20 | 1.06 | 0.03 | 6.3E-02 | 71.22 | 0.01 | 0.17 | I/I | 3.6E-02 | 1.07 | 7.6E-02 | 1.06 | 0.78 |
| rs4994392 | 105149702 | G | A | 0.15 | 1.08 | 0.04 | 6.3E-02 | 21.66 | <0.01 | 0.13 | I/I | 5.3E-01 | 1.03 | 3.8E-01 | 1.04 | 0.51 |
| rs2582544 | 105374900 | C | T | 0.21 | 1.05 | 0.03 | 6.3E-02 | 56.64 | 0.01 | 0.19 | I/I | 3.7E-02 | 1.06 | 5.6E-02 | 1.05 | 0.94 |
| rs57609341 | 104816372 | A | C | 0.24 | 0.94 | 0.03 | 6.4E-02 | 0 | <0.01 | 0.28 | I/I | 9.1E-02 | 0.95 | 8.1E-02 | 0.95 | 0.85 |
| rs7141547 | 104914539 | C | T | 0.35 | 0.96 | 0.02 | 6.4E-02 | 0 | <0.01 | 0.36 | I/I | 8.7E-02 | 0.96 | 5.8E-02 | 0.96 | 0.93 |
| rs2841284 | 105312054 | G | A | 0.20 | 1.06 | 0.03 | 6.4E-02 | 72.14 | 0.01 | 0.17 | I/I | 3.5E-02 | 1.07 | 7.5E-02 | 1.06 | 0.79 |
| rs146449084 | 105415281 | C | G | 0.29 | 1.05 | 0.03 | 6.4E-02 | 0 | <0.01 | 0.27 | I/I | 2.0E-02 | 1.07 | 2.8E-02 | 1.06 | 0.65 |
| rs3001409 | 105313861 | G | A | 0.23 | 1.06 | 0.03 | 6.4E-02 | 71.82 | 0.01 | 0.18 | I/I | 3.1E-02 | 1.07 | 5.0E-02 | 1.06 | 0.74 |
| rs77747991 | 104810541 | A | G | 0.21 | 0.94 | 0.03 | 6.4E-02 | 0 | <0.01 | 0.24 | I/I | 9.8E-02 | 0.95 | 8.6E-02 | 0.95 | 0.83 |
| rs9652309 | 105486280 | A | C | 0.32 | 1.04 | 0.02 | 6.4E-02 | 0 | <0.01 | 0.30 | I/I | 6.1E-02 | 1.04 | 2.4E-02 | 1.05 | 0.98 |
| rs35855714 | 105567150 | G | C | 0.34 | 1.05 | 0.02 | 6.4E-02 | 55.18 | <0.01 | 0.31 | I/I | 6.8E-02 | 1.05 | 3.8E-02 | 1.05 | 0.90 |
| rs7150715 | 105493175 | T | C | 0.30 | 1.04 | 0.02 | 6.4E-02 | 0 | <0.01 | 0.29 | I/I | 7.0E-02 | 1.04 | 3.2E-02 | 1.05 | 0.99 |
| rs12431529 | 104980330 | T | C | 0.23 | 0.95 | 0.03 | 6.4E-02 | 76.5 | <0.01 | 0.19 | I/I | 3.9E-02 | 0.94 | 4.3E-02 | 0.94 | 0.85 |
| rs3924892 | 105494262 | A | G | 0.29 | 1.04 | 0.02 | 6.5E-02 | 0 | <0.01 | 0.29 | G*/I | 7.2E-02 | 1.04 | 3.2E-02 | 1.05 | 0.99 |
| rs6576038 | 104911441 | G | A | 0.35 | 0.96 | 0.02 | 6.5E-02 | 0 | <0.01 | 0.36 | I/I | 9.0E-02 | 0.96 | 5.9E-02 | 0.96 | 0.93 |
| rs10130149 | 105309966 | A | G | 0.20 | 1.06 | 0.03 | 6.5E-02 | 72.21 | 0.01 | 0.17 | I/I | 3.7E-02 | 1.07 | 7.8E-02 | 1.06 | 0.78 |
| rs186655513 | 105635321 | A | C | 0.02 | 1.19 | 0.10 | 6.5E-02 | 67.94 | <0.01 | 0.02 | I/I | 9.6E-02 | 1.17 | 1.1E-01 | 1.16 | 0.54 |
| rs2919621 | 105310498 | C | T | 0.20 | 1.06 | 0.03 | 6.5E-02 | 72.21 | 0.01 | 0.17 | I/I | 3.6E-02 | 1.07 | 7.6E-02 | 1.06 | 0.79 |
| rs11629188 | 105293940 | G | C | 0.20 | 0.94 | 0.03 | 6.5E-02 | 73.1 | 0.01 | 0.18 | I/I | 3.9E-02 | 0.94 | 8.6E-02 | 0.95 | 0.73 |
| rs45529634 | 105362199 | T | C | 0.03 | 1.14 | 0.07 | 6.6E-02 | 0 | <0.01 | 0.04 | I/I | 8.2E-02 | 1.13 | 1.0E-01 | 1.12 | 0.74 |
| rs112235149 | 104917060 | A | G | 0.02 | 1.20 | 0.10 | 6.6E-02 | 0 | <0.01 | 0.02 | I/I | 8.0E-02 | 1.19 | 4.5E-02 | 1.22 | 0.46 |
| rs141884370 | 105156001 | A | G | 0.13 | 1.07 | 0.04 | 6.6E-02 | 0 | 0.14 | 0.13 | I/I | 9.8E-01 | 1.00 | 5.3E-01 | 1.02 | 0.77 |
| rs72702010 | 105369308 | C | T | 0.03 | 1.13 | 0.07 | 6.7E-02 | 0 | <0.01 | 0.06 | I/I | 5.3E-02 | 1.13 | 8.0E-02 | 1.12 | 0.68 |
| rs56729078 | 104815572 | A | G | 0.24 | 0.94 | 0.03 | 6.7E-02 | 0 | <0.01 | 0.28 | I/I | 9.6E-02 | 0.95 | 8.5E-02 | 0.95 | 0.85 |
| rs28461670 | 104908412 | C | T | 0.13 | 0.94 | 0.03 | 6.8E-02 | 0 | <0.01 | 0.06 | I/I | 7.5E-02 | 0.94 | 5.3E-02 | 0.94 | 0.89 |
| rs10147484 | 105481158 | A | C | 0.32 | 1.04 | 0.02 | 6.8E-02 | 0 | <0.01 | 0.30 | I/I | 6.7E-02 | 1.04 | 2.7E-02 | 1.05 | 0.99 |
| rs11160832 | 105482352 | A | G | 0.32 | 1.04 | 0.02 | 6.9E-02 | 0 | <0.01 | 0.30 | I/I | 6.7E-02 | 1.04 | 2.7E-02 | 1.05 | 0.99 |
| rs12101186 | 105308519 | G | A | 0.20 | 0.95 | 0.03 | 6.9E-02 | 73.47 | <0.01 | 0.18 | I/I | 4.5E-02 | 0.94 | 8.7E-02 | 0.95 | 0.77 |
| rs11850821 | 105175085 | G | A | 0.09 | 1.07 | 0.04 | 6.9E-02 | 26.63 | 0.14 | 0.12 | I/I | 8.0E-01 | 1.01 | 9.3E-01 | 1.00 | 0.95 |
| rs12100484 | 104814471 | G | A | 0.24 | 0.95 | 0.03 | 6.9E-02 | 0 | <0.01 | 0.28 | I/I | 9.9E-02 | 0.95 | 8.9E-02 | 0.95 | 0.84 |
| rs6576071 | 105495886 | C | T | 0.29 | 1.04 | 0.02 | 6.9E-02 | 0 | <0.01 | 0.29 | I/I | 7.6E-02 | 1.04 | 3.4E-02 | 1.05 | 0.99 |
| rs11160821 | 105290076 | G | A | 0.07 | 0.90 | 0.06 | 6.9E-02 | 0 | <0.01 | 0.10 | I/I | 1.3E-02 | 0.87 | 1.6E-02 | 0.87 | 0.49 |
| rs12884362 | 105545230 | T | C | 0.38 | 1.05 | 0.03 | 7.0E-02 | 17.45 | <0.01 | 0.29 | I/I | 6.6E-02 | 1.05 | 2.5E-02 | 1.06 | 0.64 |
| rs183418924 | 105356323 | G | A | 0.07 | 1.11 | 0.06 | 7.0E-02 | 20.55 | <0.01 | 0.10 | I/I | 3.8E-02 | 1.13 | 3.3E-02 | 1.13 | 0.50 |
| rs2498795 | 105243435 | T | G | 0.05 | 1.09 | 0.05 | 7.0E-02 | 0 | 0.10 | 0.05 | I/G | 6.9E-01 | 1.02 | 9.0E-01 | 1.01 | 0.91 |
| rs11628912 | 104896200 | C | A | 0.12 | 0.92 | 0.05 | 7.0E-02 | 11.93 | <0.01 | 0.03 | I/I | 9.7E-02 | 0.92 | 8.3E-02 | 0.92 | 0.52 |
| rs3923888 | 105480587 | T | C | 0.32 | 1.04 | 0.02 | 7.0E-02 | 0 | <0.01 | 0.30 | I/I | 6.8E-02 | 1.04 | 2.8E-02 | 1.05 | 0.99 |
| rs4983399 | 105003568 | A | C | 0.15 | 1.07 | 0.04 | 7.0E-02 | 42.77 | <0.01 | 0.14 | I/I | 8.8E-02 | 1.06 | 1.4E-01 | 1.05 | 0.82 |
| rs3803294 | 105478102 | A | G | 0.32 | 1.04 | 0.02 | 7.1E-02 | 0 | <0.01 | 0.30 | I/I | 6.9E-02 | 1.04 | 2.8E-02 | 1.05 | 0.99 |
| rs12431580 | 105478881 | G | T | 0.32 | 1.04 | 0.02 | 7.1E-02 | 0 | <0.01 | 0.30 | I/I | 6.9E-02 | 1.04 | 2.8E-02 | 1.05 | 0.99 |
| rs4906452 | 104808535 | G | A | 0.29 | 0.95 | 0.03 | 7.1E-02 | 0 | <0.01 | 0.25 | I/I | 8.6E-02 | 0.95 | 7.8E-02 | 0.95 | 0.79 |
| rs11851580 | 104908722 | T | G | 0.13 | 0.94 | 0.03 | 7.2E-02 | 0 | <0.01 | 0.06 | I/I | 8.0E-02 | 0.95 | 5.6E-02 | 0.94 | 0.90 |
| rs2582506 | 105416685 | G | C | 0.36 | 1.05 | 0.02 | 7.2E-02 | 24.5 | <0.01 | 0.35 | I/I | 2.5E-02 | 1.06 | 3.2E-02 | 1.05 | 0.80 |
| rs6576072 | 105496145 | A | G | 0.29 | 1.04 | 0.02 | 7.2E-02 | 0 | <0.01 | 0.29 | I/I | 7.9E-02 | 1.04 | 3.6E-02 | 1.05 | 0.99 |
| rs2582496 | 105432370 | C | T | 0.32 | 1.04 | 0.02 | 7.2E-02 | 0 | 0.01 | 0.34 | I/I | 6.3E-02 | 1.05 | 2.8E-02 | 1.05 | 0.93 |
| rs34766944 | 105679391 | T | C | 0.28 | 1.05 | 0.03 | 7.3E-02 | 14.03 | <0.01 | 0.32 | I/I | 7.2E-02 | 1.05 | 8.4E-02 | 1.04 | 0.92 |
| rs35509062 | 104982605 | T | C | 0.14 | 0.94 | 0.03 | 7.3E-02 | 0 | <0.01 | 0.09 | I/I | 7.7E-02 | 0.94 | 5.5E-02 | 0.94 | 0.89 |
| rs2819454 | 105440784 | C | A | 0.30 | 1.05 | 0.02 | 7.4E-02 | 0 | 0.02 | 0.32 | I/I | 7.0E-02 | 1.05 | 3.6E-02 | 1.05 | 0.90 |
| rs12895703 | 105309252 | C | T | 0.22 | 1.06 | 0.03 | 7.4E-02 | 64.57 | <0.01 | 0.19 | I/I | 3.8E-02 | 1.06 | 6.1E-02 | 1.06 | 0.73 |
| rs12894371 | 105309256 | T | A | 0.22 | 1.06 | 0.03 | 7.4E-02 | 64.57 | 0.01 | 0.19 | I/I | 3.8E-02 | 1.06 | 6.1E-02 | 1.06 | 0.73 |
| rs118171013 | 105415748 | A | G | 0.48 | 1.04 | 0.02 | 7.4E-02 | 0 | <0.01 | 0.46 | I/I | 1.6E-02 | 1.06 | 2.2E-02 | 1.06 | 0.83 |
| rs2816656 | 105594137 | C | T | 0.23 | 1.05 | 0.03 | 7.4E-02 | 0 | <0.01 | 0.26 | I/I | 9.3E-02 | 1.05 | 6.4E-02 | 1.06 | 0.88 |
| rs146152700 | 105336564 | T | C | 0.02 | 0.81 | 0.12 | 7.4E-02 | 25.76 | 0.01 | 0.01 | I/I | 1.2E-01 | 0.83 | 8.9E-02 | 0.82 | 0.48 |
| rs11847587 | 104910402 | G | A | 0.13 | 0.94 | 0.03 | 7.5E-02 | 0 | <0.01 | 0.06 | I/I | 8.4E-02 | 0.95 | 6.1E-02 | 0.94 | 0.90 |
| rs2735808 | 105594692 | T | C | 0.23 | 1.05 | 0.03 | 7.5E-02 | 0 | <0.01 | 0.26 | I/I | 9.4E-02 | 1.05 | 6.5E-02 | 1.06 | 0.88 |
| rs2841245 | 105365156 | C | T | 0.21 | 1.05 | 0.03 | 7.5E-02 | 59.65 | <0.01 | 0.18 | I/I | 4.3E-02 | 1.06 | 6.5E-02 | 1.05 | 0.94 |
| rs28373833 | 104908509 | C | A | 0.14 | 0.94 | 0.03 | 7.6E-02 | 0 | <0.01 | 0.06 | I/I | 8.2E-02 | 0.95 | 5.9E-02 | 0.94 | 0.89 |
| rs73354011 | 104926465 | T | C | 0.40 | 0.96 | 0.02 | 7.6E-02 | 0 | <0.01 | 0.38 | I/I | 1.1E-01 | 0.97 | 7.2E-02 | 0.96 | 0.96 |
| rs72713893 | 105149961 | C | A | 0.01 | 0.77 | 0.15 | 7.6E-02 | 0 | <0.01 | 0.01 | I/I | 1.0E-01 | 0.79 | 7.0E-02 | 0.77 | 0.53 |
| rs2056860 | 105595818 | C | T | 0.23 | 1.05 | 0.03 | 7.6E-02 | 0 | <0.01 | 0.26 | G*/I | 9.6E-02 | 1.05 | 6.6E-02 | 1.06 | 0.88 |
| rs138859992 | 105647862 | A | G | 0.04 | 1.13 | 0.07 | 7.7E-02 | 0 | 0.03 | 0.04 | I/I | 1.9E-01 | 1.09 | 2.5E-02 | 1.17 | 0.56 |
| rs4996691 | 105165230 | G | A | 0.09 | 1.07 | 0.04 | 7.7E-02 | 55.39 | 0.14 | 0.12 | I/I | 7.6E-01 | 1.01 | 9.7E-01 | 1.00 | 0.99 |
| rs9324081 | 105574843 | C | T | 0.34 | 1.04 | 0.02 | 7.7E-02 | 48.9 | <0.01 | 0.32 | G*/I | 8.0E-02 | 1.04 | 4.6E-02 | 1.05 | 0.91 |
| rs7159866 | 105167317 | T | C | 0.09 | 1.07 | 0.04 | 7.8E-02 | 54.59 | 0.14 | 0.12 | I/I | 7.7E-01 | 1.01 | 9.6E-01 | 1.00 | 0.98 |
| rs2582521 | 105310677 | G | T | 0.20 | 1.06 | 0.03 | 7.8E-02 | 72.42 | 0.01 | 0.17 | I/I | 4.3E-02 | 1.06 | 8.9E-02 | 1.05 | 0.79 |
| rs3809456 | 105154105 | G | A | 0.48 | 1.04 | 0.02 | 7.8E-02 | 0 | 0.11 | 0.49 | G*/I | 5.0E-01 | 0.98 | 9.2E-01 | 1.00 | 0.90 |
| rs8006160 | 105571017 | G | A | 0.35 | 1.04 | 0.02 | 7.8E-02 | 46.87 | <0.01 | 0.32 | I/I | 8.3E-02 | 1.04 | 4.3E-02 | 1.05 | 0.88 |
| rs7152667 | 105363157 | G | A | 0.31 | 1.04 | 0.02 | 7.8E-02 | 61.58 | <0.01 | 0.27 | I/I | 2.1E-02 | 1.06 | 3.0E-02 | 1.05 | 0.91 |
| rs3803312 | 105071815 | C | G | 0.38 | 0.96 | 0.03 | 7.8E-02 | 0 | <0.01 | 0.44 | I/I | 7.9E-02 | 0.96 | 9.6E-02 | 0.96 | 0.86 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs75573399 | 105147285 | A | G | 0.06 | 1.10 | 0.05 | 7.8E-02 | 0 | 0.04 | 0.06 | I/I | 3.1E-01 | 1.06 | 3.0E-01 | 1.06 | 0.79 |
| rs7157970 | 105463936 | C | T | 0.32 | 1.04 | 0.02 | 7.9E-02 | 0 | <0.01 | 0.29 | G/G | 7.7E-02 | 1.04 | 3.2E-02 | 1.05 | 1.00 |
| rs28592881 | 104942599 | T | C | 0.18 | 0.95 | 0.03 | 7.9E-02 | 0 | <0.01 | 0.09 | I/I | 1.0E-01 | 0.96 | 7.6E-02 | 0.95 | 0.94 |
| rs61997789 | 105541708 | T | C | 0.32 | 1.04 | 0.02 | 7.9E-02 | 23.49 | <0.01 | 0.29 | I/I | 9.0E-02 | 1.04 | 4.3E-02 | 1.05 | 0.88 |
| rs56855842 | 105562601 | A | G | 0.07 | 0.91 | 0.05 | 7.9E-02 | 86.23 | <0.01 | 0.05 | I/I | 7.7E-02 | 0.91 | 7.0E-02 | 0.91 | 0.86 |
| rs116975471 | 104843658 | A | G | 0.05 | 1.12 | 0.07 | 7.9E-02 | 58.06 | <0.01 | 0.05 | I/I | 7.8E-02 | 1.13 | 7.4E-02 | 1.13 | 0.49 |
| rs8017794 | 105468764 | A | T | 0.21 | 1.05 | 0.03 | 7.9E-02 | 0 | <0.01 | 0.19 | I/I | 1.1E-01 | 1.04 | 6.3E-02 | 1.05 | 0.91 |
| rs60916402 | 104815412 | G | T | 0.25 | 0.95 | 0.03 | 7.9E-02 | 0 | <0.01 | 0.29 | I/I | 1.1E-01 | 0.95 | 9.7E-02 | 0.95 | 0.85 |
| rs7158370 | 105276053 | G | A | 0.12 | 0.94 | 0.04 | 8.0E-02 | 0 | 0.09 | 0.13 | I/I | 5.9E-01 | 0.98 | 9.5E-01 | 1.00 | 0.71 |
| rs34752012 | 105416734 | G | T | 0.01 | 1.26 | 0.13 | 8.0E-02 | 0 | <0.01 | 0.02 | I/I | 1.0E-01 | 1.24 | 8.1E-02 | 1.26 | 0.48 |
| rs141756656 | 105195873 | G | T | 0.27 | 1.05 | 0.03 | 8.0E-02 | 0 | <0.01 | 0.28 | I/I | 1.7E-01 | 0.96 | 6.8E-02 | 0.94 | 0.78 |
| rs2582577 | 105450112 | T | C | 0.19 | 0.95 | 0.03 | 8.0E-02 | 0 | <0.01 | 0.16 | I/I | 6.3E-02 | 0.95 | 3.7E-02 | 0.94 | 0.90 |
| rs73357594 | 105443654 | T | C | 0.04 | 0.86 | 0.08 | 8.1E-02 | 41.53 | 0.01 | 0.02 | I/I | 8.4E-02 | 0.87 | 6.5E-02 | 0.86 | 0.60 |
| rs10146201 | 104978518 | G | A | 0.22 | 0.95 | 0.03 | 8.1E-02 | 74.59 | <0.01 | 0.17 | I/I | 4.9E-02 | 0.94 | 5.5E-02 | 0.94 | 0.86 |
| rs192814484 | 105320781 | G | A | 0.09 | 0.91 | 0.05 | 8.1E-02 | 0 | <0.01 | 0.06 | I/I | 2.0E-01 | 0.93 | 2.4E-01 | 0.94 | 0.50 |
| rs59478060 | 104813284 | C | T | 0.25 | 0.95 | 0.03 | 8.1E-02 | 0 | <0.01 | 0.29 | I/I | 1.1E-01 | 0.95 | 1.0E-01 | 0.95 | 0.84 |
| rs12100485 | 104814453 | T | C | 0.25 | 0.95 | 0.03 | 8.1E-02 | 0 | <0.01 | 0.28 | I/I | 1.1E-01 | 0.95 | 1.0E-01 | 0.95 | 0.85 |
| rs117034570 | 105174722 | A | G | 0.08 | 1.07 | 0.04 | 8.1E-02 | 26.59 | 0.16 | 0.11 | I/I | 8.1E-01 | 1.01 | 9.4E-01 | 1.00 | 0.97 |
| rs60377306 | 104815365 | T | C | 0.25 | 0.95 | 0.03 | 8.2E-02 | 0 | <0.01 | 0.28 | I/I | 1.1E-01 | 0.95 | 1.0E-01 | 0.95 | 0.85 |
| rs6576063 | 105365456 | G | C | 0.21 | 1.05 | 0.03 | 8.2E-02 | 59.06 | <0.01 | 0.18 | I/I | 4.8E-02 | 1.06 | 7.2E-02 | 1.05 | 0.94 |
| rs2582519 | 105312593 | C | T | 0.20 | 1.05 | 0.03 | 8.3E-02 | 74.22 | <0.01 | 0.18 | I/I | 5.3E-02 | 1.06 | 1.0E-01 | 1.05 | 0.78 |
| rs141316041 | 105196796 | T | C | 0.07 | 1.07 | 0.04 | 8.3E-02 | 8.25 | 0.04 | 0.04 | I/I | 8.9E-01 | 1.01 | 9.0E-01 | 0.99 | 0.94 |
| rs2816666 | 105599946 | G | A | 0.23 | 1.05 | 0.03 | 8.3E-02 | 0 | <0.01 | 0.25 | I/I | 1.0E-01 | 1.05 | 7.0E-02 | 1.06 | 0.88 |
| rs61996162 | 105665478 | T | C | 0.07 | 1.09 | 0.05 | 8.3E-02 | 0 | <0.01 | 0.08 | I/I | 1.2E-01 | 1.08 | 1.6E-01 | 1.07 | 0.69 |
| rs11621606 | 105565770 | T | C | 0.34 | 1.04 | 0.02 | 8.3E-02 | 53.06 | <0.01 | 0.31 | I/I | 8.7E-02 | 1.04 | 5.0E-02 | 1.05 | 0.90 |
| rs72713898 | 105157228 | G | A | 0.13 | 1.06 | 0.04 | 8.3E-02 | 0 | 0.14 | 0.13 | I/I | 9.5E-01 | 1.00 | 6.2E-01 | 1.02 | 0.77 |
| rs10142116 | 105285423 | A | C | 0.29 | 1.05 | 0.03 | 8.4E-02 | 76.74 | <0.01 | 0.25 | I/I | 2.2E-02 | 1.07 | 3.9E-02 | 1.06 | 0.71 |
| rs12893998 | 105690946 | C | T | 0.28 | 1.04 | 0.03 | 8.4E-02 | 8.17 | <0.01 | 0.32 | I/I | 9.1E-02 | 1.04 | 1.0E-01 | 1.04 | 0.91 |
| rs77971640 | 105445428 | G | A | 0.15 | 0.94 | 0.04 | 8.5E-02 | 2.03 | 0.01 | 0.12 | I/I | 1.7E-01 | 0.95 | 7.0E-02 | 0.94 | 0.66 |
| rs67906390 | 105292650 | A | C | 0.20 | 0.95 | 0.03 | 8.5E-02 | 75.6 | 0.01 | 0.17 | I/I | 5.1E-02 | 0.94 | 1.1E-01 | 0.95 | 0.73 |
| rs149534442 | 105469592 | C | T | 0.25 | 1.05 | 0.03 | 8.5E-02 | 51.26 | <0.01 | 0.26 | I/I | 1.7E-01 | 1.04 | 1.0E-01 | 1.05 | 0.66 |
| rs9324080 | 105483700 | C | T | 0.32 | 1.04 | 0.02 | 8.5E-02 | 0 | <0.01 | 0.30 | I/I | 8.2E-02 | 1.04 | 3.4E-02 | 1.05 | 0.98 |
| rs57515560 | 105148831 | A | G | 0.05 | 1.08 | 0.05 | 8.5E-02 | 50.4 | 0.01 | 0.06 | I/I | 3.6E-02 | 1.10 | 6.5E-02 | 1.09 | 0.95 |
| rs59509782 | 104813283 | G | T | 0.24 | 0.95 | 0.03 | 8.5E-02 | 0 | <0.01 | 0.29 | I/I | 1.2E-01 | 0.95 | 1.1E-01 | 0.95 | 0.84 |
| rs7152944 | 105166002 | G | A | 0.09 | 1.06 | 0.04 | 8.5E-02 | 56.14 | 0.14 | 0.12 | G*/I | 8.0E-01 | 1.01 | 9.3E-01 | 1.00 | 0.99 |
| rs2919630 | 105319292 | A | C | 0.37 | 1.04 | 0.02 | 8.6E-02 | 0 | 0.04 | 0.33 | I/I | 3.4E-02 | 1.05 | 5.2E-02 | 1.04 | 0.91 |
| rs117737288 | 104972672 | A | G | 0.01 | 0.80 | 0.13 | 8.6E-02 | 0 | <0.01 | 0.01 | I/I | 9.7E-02 | 0.80 | 1.0E-01 | 0.81 | 0.63 |
| rs2241866 | 105455877 | G | C | 0.10 | 0.93 | 0.04 | 8.6E-02 | 0 | <0.01 | 0.09 | I/I | 1.1E-01 | 0.94 | 8.1E-02 | 0.93 | 0.76 |
| rs12892016 | 105077624 | C | T | 0.39 | 0.96 | 0.03 | 8.6E-02 | 0 | <0.01 | 0.44 | I/I | 8.5E-02 | 0.96 | 1.0E-01 | 0.96 | 0.86 |
| rs76136813 | 105167112 | T | C | 0.09 | 1.06 | 0.04 | 8.6E-02 | 54.45 | 0.14 | 0.12 | I/I | 8.0E-01 | 1.01 | 9.3E-01 | 1.00 | 0.99 |
| rs66987285 | 105292245 | A | G | 0.20 | 0.95 | 0.03 | 8.6E-02 | 75.64 | 0.01 | 0.17 | I/I | 5.2E-02 | 0.94 | 1.2E-01 | 0.95 | 0.73 |
| rs7150778 | 105566446 | A | G | 0.34 | 1.04 | 0.02 | 8.6E-02 | 52.3 | <0.01 | 0.31 | I/I | 8.9E-02 | 1.04 | 5.1E-02 | 1.05 | 0.90 |
| rs2498807 | 105284772 | A | T | 0.29 | 0.95 | 0.03 | 8.7E-02 | 76.76 | <0.01 | 0.25 | I/I | 2.3E-02 | 0.94 | 4.0E-02 | 0.94 | 0.70 |
| rs7153151 | 105166122 | G | A | 0.09 | 1.06 | 0.04 | 8.7E-02 | 56.02 | 0.14 | 0.12 | G*/I | 8.0E-01 | 1.01 | 9.3E-01 | 1.00 | 0.99 |
| rs7150306 | 105454226 | A | G | 0.16 | 0.95 | 0.03 | 8.7E-02 | 0 | <0.01 | 0.16 | I/I | 8.1E-02 | 0.95 | 5.3E-02 | 0.94 | 0.93 |
| rs73345582 | 105165872 | C | G | 0.09 | 1.06 | 0.04 | 8.7E-02 | 56.08 | 0.14 | 0.12 | G*/I | 8.0E-01 | 1.01 | 9.3E-01 | 1.00 | 0.99 |
| rs78139891 | 105183474 | T | C | 0.02 | 1.18 | 0.10 | 8.7E-02 | 0 | <0.01 | 0.05 | I/I | 7.5E-03 | 1.30 | 1.7E-02 | 1.27 | 0.57 |
| rs7153623 | 105166106 | A | G | 0.09 | 1.06 | 0.04 | 8.7E-02 | 56.02 | 0.14 | 0.12 | G*/I | 8.1E-01 | 1.01 | 9.2E-01 | 1.00 | 0.99 |
| rs10145119 | 105349877 | T | C | 0.35 | 1.04 | 0.02 | 8.7E-02 | 0 | 0.04 | 0.32 | I/I | 2.3E-02 | 1.05 | 4.7E-02 | 1.04 | 0.96 |
| rs192581462 | 105356498 | G | C | 0.09 | 0.92 | 0.05 | 8.8E-02 | 49.29 | <0.01 | 0.06 | I/I | 1.3E-01 | 0.93 | 1.7E-01 | 0.93 | 0.47 |
| rs760269 | 105608403 | G | A | 0.06 | 1.09 | 0.05 | 8.9E-02 | 0 | <0.01 | 0.05 | I/I | 7.4E-02 | 1.10 | 6.2E-02 | 1.10 | 0.86 |
| rs12588024 | 105162493 | A | T | 0.06 | 1.08 | 0.05 | 8.9E-02 | 47.22 | 0.08 | 0.08 | I/I | 6.4E-01 | 1.02 | 8.4E-01 | 1.01 | 0.86 |
| rs61995965 | 105272806 | G | A | 0.09 | 0.94 | 0.04 | 8.9E-02 | 0.7 | 0.10 | 0.10 | I/I | 7.3E-01 | 0.99 | 8.8E-01 | 1.01 | 0.90 |
| rs56140783 | 105363410 | T | C | 0.31 | 1.04 | 0.02 | 8.9E-02 | 58.48 | <0.01 | 0.27 | I/I | 2.5E-02 | 1.06 | 3.5E-02 | 1.05 | 0.91 |
| rs7159328 | 105460429 | A | G | 0.32 | 1.04 | 0.02 | 9.0E-02 | 0.38 | <0.01 | 0.29 | I/I | 8.6E-02 | 1.04 | 3.6E-02 | 1.05 | 1.00 |
| rs8018607 | 105572749 | C | T | 0.34 | 1.04 | 0.02 | 9.0E-02 | 46.17 | <0.01 | 0.32 | I/I | 1.0E-01 | 1.04 | 5.2E-02 | 1.05 | 0.89 |
| rs11847667 | 105167020 | T | A | 0.09 | 1.06 | 0.04 | 9.0E-02 | 54.87 | 0.14 | 0.12 | I/I | 8.2E-01 | 1.01 | 9.1E-01 | 1.00 | 0.99 |
| rs8018522 | 105162343 | C | T | 0.01 | 0.77 | 0.15 | 9.0E-02 | 0 | <0.01 | 0.01 | I/I | 2.4E-01 | 0.84 | 1.6E-01 | 0.81 | 0.47 |
| rs10129625 | 105573654 | C | T | 0.34 | 1.04 | 0.02 | 9.0E-02 | 45.14 | <0.01 | 0.32 | I/I | 1.0E-01 | 1.04 | 5.2E-02 | 1.05 | 0.90 |
| rs2582520 | 105312067 | C | T | 0.20 | 1.05 | 0.03 | 9.1E-02 | 74.22 | <0.01 | 0.18 | I/I | 5.8E-02 | 1.06 | 1.1E-01 | 1.05 | 0.78 |
| rs139774148 | 105162977 | A | G | 0.01 | 0.77 | 0.16 | 9.1E-02 | 0 | <0.01 | 0.01 | I/I | 2.6E-01 | 0.84 | 1.7E-01 | 0.81 | 0.47 |
| rs8017662 | 105162561 | T | C | 0.01 | 0.77 | 0.16 | 9.1E-02 | 0 | <0.01 | 0.01 | I/I | 2.6E-01 | 0.84 | 1.7E-01 | 0.81 | 0.47 |
| rs4353429 | 105499828 | G | C | 0.28 | 1.05 | 0.03 | 9.1E-02 | 0 | <0.01 | 0.29 | I/I | 9.9E-02 | 1.05 | 4.9E-02 | 1.06 | 0.57 |
| rs2819457 | 105448233 | C | G | 0.20 | 0.95 | 0.03 | 9.1E-02 | 14.08 | <0.01 | 0.18 | I/I | 7.6E-02 | 0.95 | 4.3E-02 | 0.94 | 0.90 |
| rs7156965 | 105567506 | A | G | 0.34 | 1.04 | 0.02 | 9.1E-02 | 51.84 | <0.01 | 0.31 | I/I | 9.4E-02 | 1.04 | 5.4E-02 | 1.05 | 0.90 |
| rs7156642 | 105567491 | T | C | 0.34 | 1.04 | 0.02 | 9.1E-02 | 51.85 | <0.01 | 0.31 | I/I | 9.4E-02 | 1.04 | 5.4E-02 | 1.05 | 0.90 |
| rs34284721 | 105267934 | A | G | 0.12 | 1.06 | 0.03 | 9.2E-02 | 58.35 | 0.21 | 0.12 | I/I | 7.8E-01 | 0.99 | 3.5E-01 | 0.97 | 0.77 |
| rs77250823 | 105487819 | T | C | 0.04 | 1.10 | 0.06 | 9.2E-02 | 36.29 | <0.01 | 0.02 | I/I | 1.2E-01 | 1.09 | 1.3E-01 | 1.09 | 0.82 |
| rs12889599 | 105302878 | G | A | 0.19 | 0.95 | 0.03 | 9.2E-02 | 71.5 | 0.01 | 0.17 | I/I | 6.0E-02 | 0.94 | 1.1E-01 | 0.95 | 0.76 |
| rs62638758 | 105167744 | A | G | 0.01 | 0.77 | 0.16 | 9.2E-02 | 0 | <0.01 | 0.01 | I/I | 2.6E-01 | 0.84 | 1.7E-01 | 0.81 | 0.48 |
| rs4635277 | 105488267 | C | G | 0.32 | 1.04 | 0.02 | 9.2E-02 | 0 | <0.01 | 0.30 | I/I | 9.0E-02 | 1.04 | 3.8E-02 | 1.05 | 0.99 |
| rs2816637 | 105611775 | G | A | 0.06 | 1.09 | 0.05 | 9.3E-02 | 0 | <0.01 | 0.05 | I/I | 7.8E-02 | 1.10 | 6.6E-02 | 1.10 | 0.86 |
| rs141430061 | 105069922 | C | T | 0.11 | 1.07 | 0.04 | 9.3E-02 | 25.14 | <0.01 | 0.11 | I/I | 1.0E-01 | 1.07 | 1.1E-01 | 1.06 | 0.80 |
| rs8016434 | 105468785 | G | A | 0.21 | 1.05 | 0.03 | 9.3E-02 | 0 | <0.01 | 0.20 | I/I | 1.2E-01 | 1.04 | 6.9E-02 | 1.05 | 0.89 |
| rs6576062 | 105360355 | T | C | 0.31 | 1.04 | 0.02 | 9.3E-02 | 59.76 | <0.01 | 0.27 | I/I | 2.8E-02 | 1.05 | 3.8E-02 | 1.05 | 0.91 |
| rs2735804 | 105597143 | T | C | 0.23 | 1.05 | 0.03 | 9.3E-02 | 0 | <0.01 | 0.25 | I/I | 1.2E-01 | 1.05 | 8.2E-02 | 1.05 | 0.88 |
| rs75875218 | 105160212 | T | C | 0.01 | 0.78 | 0.15 | 9.3E-02 | 0 | <0.01 | 0.01 | I/I | 2.5E-01 | 0.84 | 1.6E-01 | 0.81 | 0.47 |
| rs8004326 | 105573973 | C | T | 0.34 | 1.04 | 0.02 | 9.4E-02 | 46.64 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 5.4E-02 | 1.05 | 0.90 |
| rs2819458 | 105448337 | G | A | 0.20 | 0.95 | 0.03 | 9.4E-02 | 12.74 | <0.01 | 0.18 | I/I | 7.9E-02 | 0.95 | 4.5E-02 | 0.95 | 0.90 |
| rs57402537 | 105173454 | A | G | 0.08 | 1.07 | 0.04 | 9.4E-02 | 28.99 | <0.01 | 0.11 | I/I | 8.6E-01 | 1.01 | 8.9E-01 | 0.99 | 0.97 |
| rs8003024 | 105574020 | C | A | 0.34 | 1.04 | 0.02 | 9.4E-02 | 44.4 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 5.5E-02 | 1.05 | 0.90 |
| rs36171475 | 105563311 | C | T | 0.34 | 1.04 | 0.02 | 9.4E-02 | 53.09 | <0.01 | 0.31 | I/I | 9.7E-02 | 1.04 | 5.5E-02 | 1.05 | 0.90 |
| rs10143022 | 105462058 | G | A | 0.32 | 1.04 | 0.02 | 9.5E-02 | 0 | <0.01 | 0.29 | I/I | 9.2E-02 | 1.04 | 3.9E-02 | 1.05 | 1.00 |
| rs10143079 | 105462069 | T | C | 0.32 | 1.04 | 0.02 | 9.5E-02 | 0 | <0.01 | 0.29 | I/I | 9.2E-02 | 1.04 | 3.9E-02 | 1.05 | 1.00 |
| rs7159532 | 105460539 | A | G | 0.32 | 1.04 | 0.02 | 9.5E-02 | 0 | <0.01 | 0.29 | I/I | 9.2E-02 | 1.04 | 3.9E-02 | 1.05 | 1.00 |
| rs76031125 | 105124376 | T | C | 0.06 | 1.09 | 0.05 | 9.5E-02 | 0 | 0.03 | 0.07 | I/I | 3.5E-01 | 1.05 | 3.4E-01 | 1.05 | 0.82 |
| rs10136586 | 105460117 | T | C | 0.32 | 1.04 | 0.02 | 9.5E-02 | 0 | <0.01 | 0.29 | I/I | 9.3E-02 | 1.04 | 4.0E-02 | 1.05 | 1.00 |
| rs118017785 | 105172529 | T | C | 0.08 | 1.07 | 0.04 | 9.5E-02 | 28.97 | 0.16 | 0.11 | I/I | 8.6E-01 | 1.01 | 9.0E-01 | 0.99 | 0.97 |
| rs2582511 | 105416010 | C | T | 0.39 | 1.04 | 0.02 | 9.5E-02 | 57.84 | <0.01 | 0.39 | I/I | 3.6E-02 | 1.05 | 4.2E-02 | 1.05 | 0.86 |
| rs4072097 | 104842016 | G | C | 0.10 | 1.07 | 0.04 | 9.6E-02 | 0 | <0.01 | 0.08 | I/I | 1.3E-01 | 1.06 | 1.5E-01 | 1.06 | 0.74 |
| rs10135442 | 105560091 | G | A | 0.12 | 1.06 | 0.04 | 9.6E-02 | 1.07 | <0.01 | 0.12 | I/I | 1.2E-01 | 1.06 | 8.7E-02 | 1.06 | 0.88 |
| rs10138512 | 105289916 | A | G | 0.29 | 1.05 | 0.03 | 9.6E-02 | 75.71 | <0.01 | 0.25 | I/I | 2.6E-02 | 1.06 | 4.5E-02 | 1.06 | 0.71 |
| rs117702987 | 105126867 | C | T | 0.07 | 1.09 | 0.05 | 9.6E-02 | 39.85 | <0.01 | 0.03 | I/I | 3.2E-01 | 1.05 | 3.7E-02 | 1.11 | 0.78 |
| rs2083540 | 105382697 | T | A | 0.21 | 1.05 | 0.03 | 9.6E-02 | 52.66 | 0.01 | 0.19 | I/I | 6.1E-02 | 1.05 | 8.5E-02 | 1.05 | 0.92 |
| rs35133619 | 105563369 | C | T | 0.34 | 1.04 | 0.02 | 9.7E-02 | 52.82 | <0.01 | 0.31 | I/I | 1.0E-01 | 1.04 | 5.8E-02 | 1.05 | 0.90 |
| rs10145031 | 105349897 | G | A | 0.34 | 1.04 | 0.02 | 9.7E-02 | 0 | 0.04 | 0.32 | I/I | 2.6E-02 | 1.05 | 5.3E-02 | 1.04 | 0.97 |
| rs7140154 | 105163532 | T | C | 0.19 | 1.05 | 0.03 | 9.8E-02 | 11.26 | 0.19 | 0.18 | G*/I | 8.1E-01 | 0.99 | 3.2E-01 | 0.97 | 0.95 |
| rs2816636 | 105611742 | G | C | 0.06 | 1.09 | 0.05 | 9.8E-02 | 0 | <0.01 | 0.05 | I/I | 8.2E-02 | 1.09 | 6.9E-02 | 1.10 | 0.86 |
| rs7146030 | 105067373 | T | C | 0.39 | 0.96 | 0.03 | 9.8E-02 | 0 | <0.01 | 0.45 | I/I | 9.8E-02 | 0.96 | 1.2E-01 | 0.96 | 0.87 |
| rs2498810 | 105283021 | G | C | 0.25 | 0.95 | 0.03 | 9.8E-02 | 76 | <0.01 | 0.22 | I/I | 5.1E-02 | 0.94 | 1.0E-01 | 0.95 | 0.70 |
| rs75425579 | 105171985 | C | T | 0.08 | 1.07 | 0.04 | 9.8E-02 | 29.24 | 0.16 | 0.11 | I/I | 8.7E-01 | 1.01 | 8.9E-01 | 0.99 | 0.97 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs10144463 | 105575294 | A | G | 0.37 | 1.04 | 0.03 | 9.8E-02 | 54.83 | <0.01 | 0.36 | I/I | 8.5E-02 | 1.04 | 5.0E-02 | 1.05 | 0.83 |
| rs9743945 | 105564147 | A | G | 0.34 | 1.04 | 0.02 | 9.9E-02 | 52.41 | <0.01 | 0.31 | I/I | 1.0E-01 | 1.04 | 5.9E-02 | 1.05 | 0.90 |
| rs10145122 | 105349886 | T | C | 0.34 | 1.04 | 0.02 | 9.9E-02 | 0 | 0.04 | 0.32 | I/I | 2.6E-02 | 1.05 | 5.3E-02 | 1.04 | 0.97 |
| rs2819460 | 105448809 | G | A | 0.20 | 0.96 | 0.03 | 9.9E-02 | 10.62 | <0.01 | 0.18 | I/I | 8.2E-02 | 0.95 | 4.6E-02 | 0.95 | 0.91 |
| rs4983524 | 105148597 | A | G | 0.04 | 1.10 | 0.06 | 9.9E-02 | 0 | <0.01 | 0.03 | I/I | 8.8E-02 | 1.10 | 1.2E-01 | 1.09 | 0.91 |
| rs3957307 | 105382578 | T | G | 0.21 | 1.05 | 0.03 | 9.9E-02 | 53.04 | 0.01 | 0.19 | I/I | 6.3E-02 | 1.05 | 8.8E-02 | 1.05 | 0.92 |
| rs2582547 | 105319231 | C | G | 0.37 | 1.04 | 0.02 | 9.9E-02 | 0 | 0.04 | 0.33 | I/I | 4.0E-02 | 1.05 | 6.1E-02 | 1.04 | 0.92 |
| rs2816662 | 105596054 | A | G | 0.23 | 1.05 | 0.03 | 1.0E-01 | 0 | <0.01 | 0.26 | G*/I | 1.2E-01 | 1.05 | 8.7E-02 | 1.05 | 0.89 |
| rs62641737 | 105352651 | T | C | 0.03 | 1.15 | 0.09 | 1.0E-01 | 0 | <0.01 | 0.04 | I/I | 6.2E-02 | 1.18 | 1.0E-01 | 1.15 | 0.53 |
| rs61996057 | 105469368 | T | G | 0.32 | 1.04 | 0.02 | 1.0E-01 | 3.58 | <0.01 | 0.29 | I/I | 9.9E-02 | 1.04 | 4.2E-02 | 1.05 | 0.98 |
| rs17846832 | 105238636 | C | G | 0.07 | 1.07 | 0.04 | 1.0E-01 | 0 | <0.01 | 0.04 | I/I | 9.8E-01 | 1.00 | 8.2E-01 | 0.99 | 0.96 |
| rs4457931 | 104831411 | C | G | 0.30 | 0.95 | 0.03 | 1.0E-01 | 0 | <0.01 | 0.33 | I/I | 1.2E-01 | 0.96 | 1.3E-01 | 0.96 | 0.84 |
| rs4983525 | 105148632 | C | G | 0.05 | 1.08 | 0.05 | 1.0E-01 | 46.28 | 0.01 | 0.06 | I/I | 4.5E-02 | 1.10 | 7.7E-02 | 1.08 | 1.00 |
| rs2735801 | 105598048 | A | T | 0.23 | 1.05 | 0.03 | 1.0E-01 | 0 | <0.01 | 0.25 | I/I | 1.3E-01 | 1.05 | 8.8E-02 | 1.05 | 0.88 |
| rs2498778 | 105283159 | T | C | 0.25 | 0.95 | 0.03 | 1.0E-01 | 76.3 | <0.01 | 0.22 | I/I | 5.2E-02 | 0.94 | 1.0E-01 | 0.95 | 0.70 |
| rs77422581 | 105122086 | A | G | 0.06 | 1.09 | 0.05 | 1.0E-01 | 0 | 0.03 | 0.07 | I/I | 3.6E-01 | 1.05 | 3.6E-01 | 1.05 | 0.82 |
| rs2498779 | 105283406 | A | G | 0.25 | 0.95 | 0.03 | 1.0E-01 | 76.28 | <0.01 | 0.22 | I/I | 5.3E-02 | 0.94 | 1.0E-01 | 0.95 | 0.70 |
| rs2498809 | 105283166 | T | C | 0.25 | 0.95 | 0.03 | 1.0E-01 | 76.31 | <0.01 | 0.22 | I/I | 5.3E-02 | 0.94 | 1.0E-01 | 0.95 | 0.70 |
| rs2919622 | 105382003 | C | T | 0.21 | 1.05 | 0.03 | 1.0E-01 | 56.7 | 0.01 | 0.19 | I/I | 6.4E-02 | 1.05 | 9.1E-02 | 1.05 | 0.94 |
| rs4983526 | 105148655 | T | C | 0.05 | 1.08 | 0.05 | 1.0E-01 | 46.71 | 0.01 | 0.06 | G/G | 4.6E-02 | 1.09 | 7.9E-02 | 1.08 | 1.00 |
| rs6576041 | 104919290 | A | T | 0.40 | 0.97 | 0.02 | 1.0E-01 | 0 | <0.01 | 0.38 | I/I | 1.5E-01 | 0.97 | 1.0E-01 | 0.97 | 0.95 |
| rs117379881 | 105415745 | G | C | 0.48 | 1.04 | 0.02 | 1.0E-01 | 0 | <0.01 | 0.48 | I/I | 2.4E-02 | 1.06 | 3.2E-02 | 1.05 | 0.78 |
| rs3001421 | 105381763 | C | T | 0.21 | 1.05 | 0.03 | 1.0E-01 | 56.71 | 0.01 | 0.19 | G*/I | 6.5E-02 | 1.05 | 9.2E-02 | 1.05 | 0.94 |
| rs3002452 | 105283727 | C | T | 0.25 | 0.95 | 0.03 | 1.0E-01 | 76.32 | <0.01 | 0.22 | I/I | 5.3E-02 | 0.94 | 1.1E-01 | 0.95 | 0.70 |
| rs7160811 | 105564734 | A | G | 0.34 | 1.04 | 0.02 | 1.0E-01 | 52.31 | <0.01 | 0.31 | G*/I | 1.1E-01 | 1.04 | 6.1E-02 | 1.05 | 0.90 |
| rs12147672 | 105663187 | A | G | 0.30 | 1.04 | 0.03 | 1.0E-01 | 0 | <0.01 | 0.31 | I/I | 1.1E-01 | 1.04 | 1.3E-01 | 1.04 | 0.88 |
| rs60754080 | 105414238 | A | C | 0.44 | 1.04 | 0.02 | 1.0E-01 | 7.69 | <0.01 | 0.45 | I/I | 5.8E-02 | 1.05 | 8.7E-02 | 1.04 | 0.79 |
| rs11538811 | 105171022 | A | C | 0.08 | 1.06 | 0.04 | 1.0E-01 | 29.74 | 0.16 | 0.11 | I/I | 8.8E-01 | 1.01 | 8.7E-01 | 0.99 | 0.98 |
| rs7153342 | 104782659 | C | T | 0.36 | 0.96 | 0.03 | 1.0E-01 | 15.49 | <0.01 | 0.38 | I/I | 1.1E-01 | 0.96 | 8.9E-02 | 0.96 | 0.88 |
| rs10162501 | 105486749 | A | G | 0.30 | 1.04 | 0.02 | 1.0E-01 | 0 | <0.01 | 0.31 | I/I | 1.3E-01 | 1.04 | 6.2E-02 | 1.04 | 0.96 |
| rs12885315 | 105562697 | G | C | 0.34 | 1.04 | 0.02 | 1.0E-01 | 51.61 | <0.01 | 0.31 | I/I | 1.1E-01 | 1.04 | 6.3E-02 | 1.05 | 0.90 |
| rs10139525 | 105285159 | G | A | 0.29 | 1.05 | 0.03 | 1.0E-01 | 74.35 | <0.01 | 0.25 | I/I | 2.5E-02 | 1.06 | 5.2E-02 | 1.06 | 0.71 |
| rs12435117 | 105570924 | G | T | 0.34 | 1.04 | 0.02 | 1.1E-01 | 50.52 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 6.3E-02 | 1.05 | 0.90 |
| rs11620979 | 105648277 | G | C | 0.35 | 1.04 | 0.03 | 1.1E-01 | 0 | <0.01 | 0.39 | I/I | 1.1E-01 | 1.04 | 1.1E-01 | 1.04 | 0.81 |
| rs4448870 | 105571894 | T | C | 0.34 | 1.04 | 0.02 | 1.1E-01 | 50.77 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 6.4E-02 | 1.05 | 0.90 |
| rs4497620 | 105571959 | A | G | 0.34 | 1.04 | 0.02 | 1.1E-01 | 50.76 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 6.4E-02 | 1.05 | 0.90 |
| rs11623028 | 105596992 | A | G | 0.23 | 1.05 | 0.03 | 1.1E-01 | 0 | <0.01 | 0.25 | I/I | 1.4E-01 | 1.04 | 9.5E-02 | 1.05 | 0.88 |
| rs73350354 | 105278492 | T | C | 0.02 | 0.84 | 0.11 | 1.1E-01 | 0 | <0.01 | 0.01 | I/I | 9.3E-02 | 0.83 | 6.2E-02 | 0.82 | 0.55 |
| rs1554960 | 105599634 | C | T | 0.23 | 1.05 | 0.03 | 1.1E-01 | 0 | <0.01 | 0.25 | I/I | 1.3E-01 | 1.05 | 9.3E-02 | 1.05 | 0.88 |
| rs142317644 | 105665739 | T | C | 0.02 | 1.16 | 0.09 | 1.1E-01 | 74.88 | <0.01 | 0.02 | I/I | 9.6E-02 | 1.17 | 1.1E-01 | 1.16 | 0.54 |
| rs6576074 | 105569170 | C | T | 0.34 | 1.04 | 0.02 | 1.1E-01 | 48.5 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 6.5E-02 | 1.05 | 0.90 |
| rs11622579 | 105689647 | A | G | 0.28 | 1.04 | 0.03 | 1.1E-01 | 11.11 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 1.3E-01 | 1.04 | 0.92 |
| rs79009839 | 105304385 | C | G | 0.19 | 0.95 | 0.03 | 1.1E-01 | 73.03 | 0.01 | 0.16 | I/I | 6.4E-02 | 0.94 | 1.2E-01 | 0.95 | 0.77 |
| rs2816665 | 105599938 | C | T | 0.23 | 1.05 | 0.03 | 1.1E-01 | 0 | <0.01 | 0.25 | I/I | 1.3E-01 | 1.05 | 9.4E-02 | 1.05 | 0.88 |
| rs10130501 | 105570615 | G | A | 0.34 | 1.04 | 0.02 | 1.1E-01 | 48.33 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 6.5E-02 | 1.05 | 0.90 |
| rs10130930 | 105570821 | A | G | 0.34 | 1.04 | 0.02 | 1.1E-01 | 50.23 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 6.5E-02 | 1.05 | 0.90 |
| rs2013462 | 105416959 | G | A | 0.49 | 1.04 | 0.03 | 1.1E-01 | 2.22 | <0.01 | 0.50 | I/I | 3.7E-02 | 1.05 | 5.2E-02 | 1.05 | 0.70 |
| rs66802074 | 104835864 | T | C | 0.23 | 0.95 | 0.03 | 1.1E-01 | 0 | <0.01 | 0.26 | I/I | 1.5E-01 | 0.96 | 1.4E-01 | 0.95 | 0.85 |
| rs28391579 | 105470463 | G | T | 0.32 | 1.04 | 0.02 | 1.1E-01 | 0 | <0.01 | 0.29 | I/I | 1.0E-01 | 1.04 | 4.6E-02 | 1.05 | 0.99 |
| rs8015942 | 105568787 | C | T | 0.34 | 1.04 | 0.02 | 1.1E-01 | 47.94 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 6.6E-02 | 1.05 | 0.90 |
| rs33997228 | 105679373 | T | G | 0.28 | 1.04 | 0.02 | 1.1E-01 | 0 | <0.01 | 0.32 | I/I | 1.2E-01 | 1.04 | 1.3E-01 | 1.04 | 0.93 |
| rs7157947 | 105569365 | T | C | 0.34 | 1.04 | 0.02 | 1.1E-01 | 47.91 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 6.6E-02 | 1.05 | 0.90 |
| rs7158905 | 105569998 | G | A | 0.34 | 1.04 | 0.02 | 1.1E-01 | 47.9 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 6.6E-02 | 1.05 | 0.90 |
| rs7159054 | 105570049 | G | A | 0.34 | 1.04 | 0.02 | 1.1E-01 | 47.89 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 6.6E-02 | 1.05 | 0.90 |
| rs12896149 | 105570102 | T | G | 0.34 | 1.04 | 0.02 | 1.1E-01 | 47.88 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 6.6E-02 | 1.05 | 0.90 |
| rs4464011 | 105589636 | C | T | 0.11 | 0.94 | 0.04 | 1.1E-01 | 0 | <0.01 | 0.14 | I/I | 1.1E-01 | 0.94 | 1.0E-01 | 0.93 | 0.85 |
| rs7140735 | 105237401 | G | A | 0.07 | 1.07 | 0.04 | 1.1E-01 | 0 | 0.04 | 0.04 | I/I | 9.7E-01 | 1.00 | 7.8E-01 | 0.99 | 0.95 |
| rs56069762 | 105560437 | T | C | 0.34 | 1.04 | 0.02 | 1.1E-01 | 51.27 | <0.01 | 0.31 | I/I | 1.2E-01 | 1.04 | 6.7E-02 | 1.05 | 0.89 |
| rs4357873 | 105574565 | C | T | 0.34 | 1.04 | 0.02 | 1.1E-01 | 45.22 | <0.01 | 0.32 | I/I | 1.2E-01 | 1.04 | 6.5E-02 | 1.05 | 0.91 |
| rs72703887 | 105527735 | T | C | 0.10 | 0.93 | 0.05 | 1.1E-01 | 0 | <0.01 | 0.11 | I/I | 1.1E-01 | 0.93 | 1.2E-01 | 0.93 | 0.63 |
| rs10144185 | 105575159 | G | C | 0.35 | 1.04 | 0.02 | 1.1E-01 | 47.53 | <0.01 | 0.34 | I/I | 1.2E-01 | 1.04 | 6.9E-02 | 1.05 | 0.90 |
| rs57718059 | 105171619 | C | T | 0.08 | 1.06 | 0.04 | 1.1E-01 | 29.94 | 0.16 | 0.11 | I/I | 9.1E-01 | 1.00 | 8.4E-01 | 0.99 | 0.98 |
| rs3891052 | 105672895 | T | C | 0.28 | 1.04 | 0.03 | 1.1E-01 | 0 | <0.01 | 0.30 | I/I | 1.3E-01 | 1.04 | 1.5E-01 | 1.04 | 0.88 |
| rs28626414 | 105587664 | A | G | 0.11 | 0.94 | 0.04 | 1.1E-01 | 0 | <0.01 | 0.14 | G*/I | 1.0E-01 | 0.93 | 1.0E-01 | 0.93 | 0.86 |
| rs4377097 | 105560678 | G | A | 0.34 | 1.04 | 0.02 | 1.1E-01 | 49.81 | <0.01 | 0.31 | I/I | 1.2E-01 | 1.04 | 6.8E-02 | 1.05 | 0.90 |
| rs186344496 | 105427668 | G | A | 0.02 | 1.15 | 0.09 | 1.1E-01 | 0 | 0.01 | 0.02 | I/I | 2.7E-01 | 1.10 | 2.3E-01 | 1.11 | 0.78 |
| rs115602636 | 105156076 | A | G | 0.08 | 1.06 | 0.04 | 1.1E-01 | 41.13 | 0.14 | 0.12 | I/I | 9.2E-01 | 1.00 | 9.6E-01 | 1.00 | 0.89 |
| rs2028415 | 105349220 | G | T | 0.35 | 1.03 | 0.02 | 1.1E-01 | 0 | 0.04 | 0.31 | I/I | 3.1E-02 | 1.05 | 5.9E-02 | 1.04 | 0.99 |
| rs12885324 | 105562765 | G | A | 0.36 | 1.04 | 0.02 | 1.1E-01 | 57.14 | <0.01 | 0.33 | I/I | 1.1E-01 | 1.04 | 7.4E-02 | 1.05 | 0.85 |
| rs2582492 | 105443695 | T | C | 0.29 | 0.96 | 0.03 | 1.1E-01 | 0 | <0.01 | 0.32 | I/I | 1.2E-01 | 0.96 | 6.4E-02 | 0.95 | 0.84 |
| rs12886857 | 105279618 | T | C | 0.17 | 1.06 | 0.03 | 1.1E-01 | 77.87 | 0.02 | 0.13 | I/I | 6.0E-02 | 1.07 | 1.2E-01 | 1.06 | 0.66 |
| rs2582574 | 105454529 | G | A | 0.19 | 0.96 | 0.03 | 1.1E-01 | 29.68 | <0.01 | 0.18 | I/I | 9.3E-02 | 0.95 | 5.5E-02 | 0.95 | 0.93 |
| rs72702011 | 105370802 | G | A | 0.03 | 1.11 | 0.07 | 1.1E-01 | 0 | 0.01 | 0.05 | I/I | 1.1E-01 | 1.11 | 1.3E-01 | 1.10 | 0.71 |
| rs4983529 | 105155355 | C | T | 0.48 | 1.04 | 0.02 | 1.1E-01 | 0 | 0.09 | 0.48 | I/I | 4.4E-01 | 0.98 | 8.6E-01 | 1.00 | 0.84 |
| rs2841277 | 105391005 | T | C | 0.47 | 0.97 | 0.02 | 1.1E-01 | 54.84 | <0.01 | 0.48 | G/G | 6.6E-02 | 0.96 | 8.1E-02 | 0.96 | 1.00 |
| rs9671643 | 105408030 | G | A | 0.47 | 1.03 | 0.02 | 1.1E-01 | 56.79 | <0.01 | 0.49 | I/I | 7.0E-02 | 1.04 | 9.1E-02 | 1.04 | 0.97 |
| rs10138582 | 104917203 | G | A | 0.40 | 0.97 | 0.02 | 1.1E-01 | 0 | <0.01 | 0.38 | I/I | 1.7E-01 | 0.97 | 1.1E-01 | 0.97 | 0.94 |
| rs4983573 | 105511863 | C | T | 0.07 | 0.93 | 0.05 | 1.1E-01 | 16.23 | 0.01 | 0.08 | I/I | 1.4E-01 | 0.94 | 1.4E-01 | 0.94 | 0.84 |
| rs112151376 | 105695273 | A | T | 0.01 | 1.19 | 0.11 | 1.1E-01 | 0 | 0.01 | 0.02 | I/I | 1.7E-01 | 1.16 | 2.0E-01 | 1.15 | 0.79 |
| rs4994395 | 105149590 | T | C | 0.21 | 1.06 | 0.04 | 1.1E-01 | 32.65 | <0.01 | 0.20 | I/I | 3.4E-01 | 1.04 | 1.2E-01 | 1.06 | 0.51 |
| rs7150384 | 105493112 | G | A | 0.19 | 1.04 | 0.03 | 1.1E-01 | 0 | <0.01 | 0.18 | I/I | 1.4E-01 | 1.04 | 8.9E-02 | 1.05 | 0.96 |
| rs4465542 | 105407798 | C | T | 0.47 | 1.03 | 0.02 | 1.2E-01 | 57.47 | <0.01 | 0.48 | I/I | 7.1E-02 | 1.04 | 9.2E-02 | 1.04 | 0.97 |
| rs28464659 | 105002379 | T | G | 0.32 | 1.04 | 0.03 | 1.2E-01 | 10.83 | <0.01 | 0.28 | I/I | 1.7E-01 | 1.04 | 1.8E-01 | 1.04 | 0.73 |
| rs28438676 | 105037947 | G | T | 0.02 | 1.19 | 0.11 | 1.2E-01 | 0 | <0.01 | 0.02 | I/I | 9.5E-02 | 1.20 | 9.5E-02 | 1.20 | 0.46 |
| rs2498788 | 105253009 | G | A | 0.08 | 0.94 | 0.04 | 1.2E-01 | 0 | 0.07 | 0.08 | I/G | 7.8E-01 | 0.99 | 8.7E-01 | 1.01 | 0.87 |
| rs4359372 | 105499827 | A | G | 0.28 | 1.05 | 0.03 | 1.2E-01 | 0 | <0.01 | 0.29 | I/I | 1.2E-01 | 1.05 | 6.2E-02 | 1.06 | 0.57 |
| rs79119257 | 105175210 | G | A | 0.01 | 0.79 | 0.15 | 1.2E-01 | 0 | <0.01 | 0.02 | I/I | 3.4E-01 | 0.87 | 2.2E-01 | 0.83 | 0.48 |
| rs7147340 | 105173453 | C | G | 0.01 | 0.78 | 0.15 | 1.2E-01 | 0 | <0.01 | 0.01 | I/I | 3.2E-01 | 0.86 | 2.1E-01 | 0.83 | 0.48 |
| rs11623422 | 105407031 | G | A | 0.47 | 1.03 | 0.02 | 1.2E-01 | 57.53 | <0.01 | 0.48 | I/I | 7.2E-02 | 1.04 | 9.4E-02 | 1.04 | 0.97 |
| rs11851053 | 105407208 | C | T | 0.47 | 1.03 | 0.02 | 1.2E-01 | 57.53 | <0.01 | 0.48 | I/I | 7.2E-02 | 1.04 | 9.4E-02 | 1.04 | 0.97 |
| rs4983387 | 105268228 | A | G | 0.10 | 0.95 | 0.03 | 1.2E-01 | 0 | 0.08 | 0.12 | G*/I | 7.8E-01 | 0.99 | 7.6E-01 | 1.01 | 0.99 |
| rs7494687 | 105115440 | C | T | 0.46 | 1.04 | 0.03 | 1.2E-01 | 0 | 0.05 | 0.48 | I/I | 1.9E-01 | 1.03 | 3.8E-01 | 1.02 | 0.85 |
| rs12883074 | 105558939 | G | A | 0.11 | 1.06 | 0.04 | 1.2E-01 | 0 | <0.01 | 0.12 | I/I | 1.6E-01 | 1.06 | 1.1E-01 | 1.07 | 0.86 |
| rs72635200 | 105292123 | C | G | 0.13 | 0.94 | 0.04 | 1.2E-01 | 74.96 | 0.02 | 0.14 | I/I | 6.6E-02 | 0.93 | 1.2E-01 | 0.94 | 0.81 |
| rs61997770 | 105495369 | T | C | 0.32 | 1.04 | 0.02 | 1.2E-01 | 14.72 | <0.01 | 0.31 | I/I | 1.1E-01 | 1.04 | 5.0E-02 | 1.04 | 0.99 |
| rs60106058 | 105414252 | T | C | 0.46 | 1.04 | 0.02 | 1.2E-01 | 15.37 | <0.01 | 0.47 | I/I | 7.2E-02 | 1.04 | 1.0E-01 | 1.04 | 0.82 |
| rs2498808 | 105283955 | T | C | 0.25 | 0.96 | 0.03 | 1.2E-01 | 76.33 | <0.01 | 0.22 | I/I | 6.1E-02 | 0.95 | 1.2E-01 | 0.96 | 0.70 |
| rs138677907 | 105230384 | T | C | 0.07 | 1.07 | 0.04 | 1.2E-01 | 0 | 0.04 | 0.04 | I/I | 9.3E-01 | 1.00 | 7.3E-01 | 0.99 | 0.97 |
| rs7145566 | 105170221 | T | C | 0.08 | 1.06 | 0.04 | 1.2E-01 | 30.52 | 0.16 | 0.11 | I/I | 9.3E-01 | 1.00 | 8.3E-01 | 0.99 | 0.98 |
| rs12587535 | 105223378 | T | C | 0.07 | 1.07 | 0.04 | 1.2E-01 | 0 | 0.03 | 0.04 | I/I | 9.3E-01 | 1.00 | 7.4E-01 | 0.99 | 0.97 |
| rs2498785 | 105264826 | G | A | 0.07 | 0.94 | 0.04 | 1.2E-01 | 0 | 0.07 | 0.08 | I/I | 7.6E-01 | 0.99 | 9.0E-01 | 1.01 | 0.93 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs12885406 | 105450109 | C | T | 0.19 | 0.96 | 0.03 | 1.2E-01 | 0 | <0.01 | 0.18 | I/I | 9.3E-02 | 0.95 | 5.7E-02 | 0.95 | 0.91 |
| rs2494750 | 105262912 | C | G | 0.07 | 0.94 | 0.04 | 1.2E-01 | 0 | 0.07 | 0.08 | I/I | 7.1E-01 | 0.98 | 9.5E-01 | 1.00 | 0.91 |
| rs7155121 | 105563519 | C | T | 0.34 | 1.04 | 0.02 | 1.2E-01 | 51.82 | <0.01 | 0.31 | I/I | 1.2E-01 | 1.04 | 7.2E-02 | 1.05 | 0.90 |
| rs74629810 | 105469336 | A | T | 0.33 | 1.04 | 0.02 | 1.2E-01 | 5.16 | <0.01 | 0.32 | I/I | 1.2E-01 | 1.04 | 5.5E-02 | 1.04 | 0.95 |
| rs8014250 | 105575693 | G | C | 0.33 | 1.04 | 0.02 | 1.2E-01 | 0 | <0.01 | 0.32 | I/I | 1.4E-01 | 1.04 | 7.5E-02 | 1.05 | 0.90 |
| rs28600075 | 105408315 | C | T | 0.47 | 1.03 | 0.02 | 1.2E-01 | 57.91 | <0.01 | 0.48 | I/I | 7.4E-02 | 1.04 | 9.7E-02 | 1.04 | 0.97 |
| rs11624762 | 105312935 | T | C | 0.13 | 0.94 | 0.04 | 1.2E-01 | 65.35 | 0.02 | 0.14 | G*/I | 7.0E-02 | 0.94 | 1.1E-01 | 0.94 | 0.90 |
| rs28454709 | 105405942 | A | G | 0.47 | 1.03 | 0.02 | 1.2E-01 | 57.58 | <0.01 | 0.48 | I/I | 7.4E-02 | 1.04 | 9.7E-02 | 1.04 | 0.97 |
| rs34274508 | 105004581 | C | T | 0.14 | 1.06 | 0.04 | 1.2E-01 | 42.66 | <0.01 | 0.14 | I/I | 1.5E-01 | 1.05 | 2.2E-01 | 1.04 | 0.83 |
| rs2494744 | 105255814 | G | A | 0.08 | 0.94 | 0.04 | 1.2E-01 | 0 | 0.07 | 0.08 | I/G | 7.9E-01 | 0.99 | 8.6E-01 | 1.01 | 0.88 |
| rs80022508 | 105182891 | A | G | 0.04 | 0.89 | 0.08 | 1.2E-01 | 53.39 | 0.03 | 0.06 | I/I | 5.9E-01 | 0.96 | 3.9E-01 | 0.94 | 0.53 |
| rs2819426 | 105412259 | C | G | 0.27 | 1.05 | 0.03 | 1.2E-01 | 3.17 | <0.01 | 0.25 | I/I | 8.6E-02 | 1.05 | 1.1E-01 | 1.05 | 0.61 |
| rs10083496 | 105402786 | A | G | 0.47 | 1.03 | 0.02 | 1.2E-01 | 57.01 | <0.01 | 0.48 | I/I | 7.3E-02 | 1.04 | 9.6E-02 | 1.04 | 0.97 |
| rs4983565 | 104975650 | G | A | 0.21 | 0.95 | 0.03 | 1.2E-01 | 75.55 | <0.01 | 0.18 | G*/I | 7.1E-02 | 0.95 | 8.2E-02 | 0.95 | 0.88 |
| rs11624956 | 105184631 | A | G | 0.01 | 0.80 | 0.15 | 1.2E-01 | 0 | 0.01 | 0.02 | I/I | 3.5E-01 | 0.87 | 2.4E-01 | 0.84 | 0.49 |
| rs55797226 | 105413223 | G | A | 0.47 | 1.03 | 0.02 | 1.2E-01 | 52.12 | <0.01 | 0.49 | I/I | 8.1E-02 | 1.04 | 9.9E-02 | 1.04 | 0.93 |
| rs2841223 | 105334196 | A | C | 0.36 | 1.03 | 0.02 | 1.2E-01 | 0 | 0.04 | 0.33 | I/I | 4.2E-02 | 1.04 | 7.4E-02 | 1.04 | 1.00 |
| rs736066 | 105435649 | G | A | 0.29 | 1.04 | 0.03 | 1.2E-01 | 0 | 0.01 | 0.29 | G*/I | 1.2E-01 | 1.04 | 7.2E-02 | 1.05 | 0.94 |
| rs11627133 | 105541463 | C | T | 0.31 | 1.04 | 0.02 | 1.2E-01 | 5.59 | <0.01 | 0.28 | I/I | 1.4E-01 | 1.04 | 7.4E-02 | 1.04 | 0.91 |
| rs7146406 | 104972592 | C | A | 0.33 | 0.96 | 0.03 | 1.2E-01 | 60.32 | <0.01 | 0.31 | I/I | 9.7E-02 | 0.96 | 1.1E-01 | 0.96 | 0.80 |
| rs2498784 | 105264963 | G | A | 0.07 | 0.94 | 0.04 | 1.2E-01 | 0 | 0.07 | 0.08 | I/I | 7.8E-01 | 0.99 | 8.8E-01 | 1.01 | 0.94 |
| rs56116208 | 105191538 | G | C | 0.04 | 0.90 | 0.07 | 1.2E-01 | 61.3 | 0.03 | 0.06 | I/I | 6.4E-01 | 0.97 | 4.1E-01 | 0.95 | 0.56 |
| rs76959031 | 105210447 | G | T | 0.07 | 1.06 | 0.04 | 1.2E-01 | 0 | 0.04 | 0.04 | I/I | 9.1E-01 | 1.00 | 7.1E-01 | 0.98 | 0.96 |
| rs2028414 | 105349388 | C | A | 0.35 | 1.03 | 0.02 | 1.2E-01 | 0 | 0.04 | 0.31 | I/I | 3.6E-02 | 1.05 | 6.6E-02 | 1.04 | 0.99 |
| rs61996161 | 105639175 | C | G | 0.35 | 1.04 | 0.03 | 1.2E-01 | 0 | <0.01 | 0.38 | I/I | 1.4E-01 | 1.04 | 1.3E-01 | 1.04 | 0.83 |
| rs79405222 | 105214669 | A | C | 0.08 | 0.94 | 0.04 | 1.2E-01 | 0 | 0.05 | 0.09 | I/I | 9.4E-01 | 1.00 | 5.9E-01 | 0.98 | 0.68 |
| rs12884027 | 105450002 | A | C | 0.16 | 0.96 | 0.03 | 1.2E-01 | 0 | <0.01 | 0.16 | I/I | 1.2E-01 | 0.95 | 7.7E-02 | 0.95 | 0.92 |
| rs2494741 | 105249322 | T | C | 0.08 | 1.06 | 0.04 | 1.2E-01 | 0 | 0.07 | 0.08 | I/I | 7.9E-01 | 1.01 | 8.4E-01 | 0.99 | 0.85 |
| rs35960466 | 105064771 | A | G | 0.38 | 0.96 | 0.03 | 1.3E-01 | 0 | <0.01 | 0.44 | I/I | 1.3E-01 | 0.96 | 1.6E-01 | 0.97 | 0.89 |
| rs118109748 | 105291862 | A | G | 0.04 | 0.90 | 0.07 | 1.3E-01 | 0 | <0.01 | 0.05 | I/I | 1.4E-01 | 0.90 | 1.5E-01 | 0.91 | 0.63 |
| rs66481343 | 104983421 | A | G | 0.15 | 0.95 | 0.03 | 1.3E-01 | 0 | <0.01 | 0.09 | I/I | 1.3E-01 | 0.95 | 9.6E-02 | 0.95 | 0.89 |
| rs56159244 | 105519559 | G | A | 0.32 | 1.04 | 0.02 | 1.3E-01 | 0 | <0.01 | 0.28 | I/I | 1.5E-01 | 1.04 | 7.8E-02 | 1.04 | 0.85 |
| rs34344799 | 105324484 | T | C | 0.36 | 1.03 | 0.02 | 1.3E-01 | 0 | 0.04 | 0.33 | I/I | 4.3E-02 | 1.04 | 7.5E-02 | 1.04 | 0.97 |
| rs8008615 | 105486729 | A | G | 0.11 | 0.95 | 0.03 | 1.3E-01 | 0 | <0.01 | 0.11 | I/I | 1.0E-01 | 0.95 | 6.8E-02 | 0.94 | 0.96 |
| rs117278745 | 105178151 | A | G | 0.01 | 0.80 | 0.15 | 1.3E-01 | 0 | <0.01 | 0.02 | I/I | 3.7E-01 | 0.87 | 2.5E-01 | 0.84 | 0.49 |
| rs2582561 | 105345331 | C | T | 0.35 | 1.03 | 0.02 | 1.3E-01 | 0 | 0.04 | 0.31 | I/I | 3.7E-02 | 1.05 | 6.8E-02 | 1.04 | 0.99 |
| rs28627825 | 105084117 | A | C | 0.07 | 0.93 | 0.05 | 1.3E-01 | 0 | <0.01 | 0.06 | I/I | 9.1E-02 | 0.92 | 1.0E-01 | 0.92 | 0.76 |
| rs28477712 | 105670559 | C | T | 0.16 | 0.95 | 0.03 | 1.3E-01 | 0 | <0.01 | 0.15 | I/I | 1.3E-01 | 0.95 | 1.4E-01 | 0.95 | 0.80 |
| rs138919548 | 105179463 | G | C | 0.01 | 0.80 | 0.15 | 1.3E-01 | 0 | <0.01 | 0.02 | I/I | 3.7E-01 | 0.88 | 2.5E-01 | 0.84 | 0.49 |
| rs28520026 | 105587513 | T | C | 0.11 | 0.94 | 0.04 | 1.3E-01 | 0 | <0.01 | 0.14 | I/I | 1.2E-01 | 0.94 | 1.2E-01 | 0.94 | 0.86 |
| rs113524219 | 105640986 | A | G | 0.02 | 1.15 | 0.09 | 1.3E-01 | 0 | <0.01 | 0.02 | I/I | 2.0E-01 | 1.13 | 2.5E-01 | 1.11 | 0.79 |
| rs61996017 | 105360947 | A | G | 0.01 | 1.21 | 0.13 | 1.3E-01 | 21.97 | 0.01 | 0.02 | I/I | 4.2E-02 | 1.30 | 6.6E-02 | 1.26 | 0.51 |
| rs11850453 | 105684721 | C | T | 0.28 | 1.04 | 0.02 | 1.3E-01 | 0 | <0.01 | 0.32 | I/I | 1.4E-01 | 1.04 | 1.6E-01 | 1.04 | 0.93 |
| rs4329859 | 104803674 | C | T | 0.30 | 0.96 | 0.03 | 1.3E-01 | 0 | <0.01 | 0.25 | I/I | 1.5E-01 | 0.96 | 1.4E-01 | 0.96 | 0.81 |
| rs4334223 | 105490896 | A | G | 0.11 | 0.95 | 0.03 | 1.3E-01 | 0 | <0.01 | 0.12 | I/I | 1.2E-01 | 0.95 | 7.1E-02 | 0.94 | 0.96 |
| rs117057128 | 105103972 | T | C | 0.03 | 1.12 | 0.07 | 1.3E-01 | 37.96 | 0.01 | 0.03 | I/I | 6.1E-02 | 1.15 | 9.9E-02 | 1.13 | 0.76 |
| rs11625588 | 105298315 | C | G | 0.19 | 0.95 | 0.03 | 1.3E-01 | 71.99 | 0.01 | 0.16 | I/I | 8.3E-02 | 0.95 | 1.7E-01 | 0.96 | 0.74 |
| rs117457867 | 105180652 | T | C | 0.01 | 0.80 | 0.15 | 1.3E-01 | 0 | <0.01 | 0.02 | I/I | 3.7E-01 | 0.88 | 2.5E-01 | 0.84 | 0.49 |
| rs45463395 | 105207642 | T | C | 0.07 | 1.06 | 0.04 | 1.3E-01 | 0 | 0.04 | 0.04 | I/I | 9.0E-01 | 0.99 | 7.0E-01 | 0.98 | 0.95 |
| rs4073804 | 104808801 | T | C | 0.21 | 0.95 | 0.03 | 1.3E-01 | 0 | <0.01 | 0.23 | I/I | 1.9E-01 | 0.96 | 1.6E-01 | 0.96 | 0.82 |
| rs188729656 | 105351271 | T | C | 0.03 | 0.87 | 0.09 | 1.3E-01 | 46.84 | <0.01 | 0.01 | I/I | 3.2E-02 | 0.82 | 3.5E-02 | 0.82 | 0.50 |
| rs4492978 | 105482485 | C | G | 0.11 | 0.95 | 0.03 | 1.3E-01 | 0 | <0.01 | 0.11 | I/I | 1.1E-01 | 0.95 | 6.8E-02 | 0.94 | 0.97 |
| rs12587575 | 105223420 | A | G | 0.07 | 1.06 | 0.04 | 1.3E-01 | 0 | 0.04 | 0.04 | I/I | 8.9E-01 | 0.99 | 6.9E-01 | 0.98 | 0.97 |
| rs12890396 | 105516226 | T | C | 0.32 | 1.03 | 0.02 | 1.3E-01 | 0 | <0.01 | 0.32 | I/I | 1.1E-01 | 1.04 | 4.3E-02 | 1.05 | 0.95 |
| rs61997108 | 104782996 | A | C | 0.22 | 0.95 | 0.03 | 1.3E-01 | 21.3 | <0.01 | 0.26 | I/I | 1.6E-01 | 0.96 | 1.3E-01 | 0.95 | 0.84 |
| rs12433815 | 105412542 | G | A | 0.33 | 1.04 | 0.03 | 1.3E-01 | 0 | <0.01 | 0.31 | I/I | 5.4E-02 | 1.05 | 8.7E-02 | 1.05 | 0.65 |
| rs118097302 | 105183329 | T | C | 0.01 | 0.80 | 0.15 | 1.3E-01 | 0 | <0.01 | 0.02 | I/I | 3.8E-01 | 0.88 | 2.5E-01 | 0.84 | 0.49 |
| rs61996163 | 105671276 | A | G | 0.02 | 1.15 | 0.10 | 1.3E-01 | 0 | <0.01 | 0.03 | I/I | 1.0E-01 | 1.17 | 9.2E-02 | 1.17 | 0.54 |
| rs8013710 | 105065267 | A | G | 0.08 | 0.93 | 0.05 | 1.3E-01 | 0 | <0.01 | 0.06 | I/I | 8.9E-02 | 0.92 | 1.2E-01 | 0.93 | 0.79 |
| rs28480267 | 105339284 | C | T | 0.49 | 1.03 | 0.02 | 1.3E-01 | 0 | 0.02 | 0.48 | I/I | 6.7E-02 | 1.04 | 5.7E-02 | 1.04 | 0.87 |
| rs7155738 | 105184116 | A | G | 0.01 | 0.80 | 0.15 | 1.3E-01 | 0 | <0.01 | 0.02 | I/I | 3.8E-01 | 0.88 | 2.6E-01 | 0.84 | 0.49 |
| rs2841235 | 105348733 | T | G | 0.40 | 1.03 | 0.02 | 1.3E-01 | 0 | 0.05 | 0.35 | I/I | 2.8E-02 | 1.05 | 4.2E-02 | 1.04 | 0.98 |
| rs6576067 | 105473903 | T | C | 0.11 | 0.95 | 0.03 | 1.3E-01 | 0 | <0.01 | 0.11 | I/I | 1.1E-01 | 0.95 | 7.0E-02 | 0.94 | 0.98 |
| rs2494749 | 105258893 | G | A | 0.10 | 0.95 | 0.04 | 1.3E-01 | 0 | 0.06 | 0.14 | I/I | 6.5E-01 | 0.98 | 9.8E-01 | 1.00 | 0.74 |
| rs7157045 | 105184269 | A | T | 0.01 | 0.80 | 0.15 | 1.3E-01 | 0 | <0.01 | 0.02 | I/I | 3.8E-01 | 0.88 | 2.6E-01 | 0.84 | 0.49 |
| rs117115233 | 105589675 | C | T | 0.02 | 1.17 | 0.10 | 1.3E-01 | 44.22 | <0.01 | 0.02 | I/I | 1.2E-01 | 1.18 | 6.6E-02 | 1.21 | 0.49 |
| rs4983520 | 105141027 | C | T | 0.43 | 1.04 | 0.03 | 1.3E-01 | 0 | 0.02 | 0.44 | I/I | 2.4E-01 | 1.03 | 2.1E-01 | 1.03 | 0.85 |
| rs117387615 | 104943168 | A | G | 0.06 | 1.10 | 0.06 | 1.4E-01 | 0 | 0.01 | 0.09 | I/I | 8.5E-02 | 1.11 | 9.7E-02 | 1.11 | 0.47 |
| rs111666304 | 104930755 | G | A | 0.06 | 1.07 | 0.05 | 1.4E-01 | 0 | 0.01 | 0.03 | I/I | 1.1E-01 | 1.08 | 1.2E-01 | 1.08 | 0.81 |
| rs7145565 | 105477613 | C | T | 0.11 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.11 | G*/I | 1.2E-01 | 0.95 | 7.1E-02 | 0.94 | 0.98 |
| rs34527763 | 105062190 | A | G | 0.38 | 0.96 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.44 | I/I | 1.5E-01 | 0.96 | 1.7E-01 | 0.97 | 0.88 |
| rs8004004 | 105142574 | G | A | 0.42 | 1.04 | 0.03 | 1.4E-01 | 0 | 0.02 | 0.44 | I/I | 2.4E-01 | 1.03 | 2.1E-01 | 1.03 | 0.84 |
| rs12433813 | 105132581 | C | T | 0.45 | 1.04 | 0.03 | 1.4E-01 | 22.01 | 0.04 | 0.46 | I/I | 2.6E-01 | 1.03 | 2.4E-01 | 1.03 | 0.82 |
| rs8023004 | 105116232 | T | G | 0.45 | 1.04 | 0.03 | 1.4E-01 | 0 | 0.05 | 0.48 | G*/I | 2.2E-01 | 1.03 | 4.4E-01 | 1.02 | 0.86 |
| rs28615744 | 105074753 | A | G | 0.08 | 0.93 | 0.05 | 1.4E-01 | 0 | <0.01 | 0.06 | I/I | 9.2E-02 | 0.92 | 1.1E-01 | 0.93 | 0.77 |
| rs2091918 | 105602619 | T | C | 0.47 | 1.04 | 0.02 | 1.4E-01 | 51.08 | <0.01 | 0.46 | G*/I | 1.5E-01 | 1.04 | 9.5E-02 | 1.04 | 0.89 |
| rs10149193 | 105403474 | T | C | 0.47 | 1.03 | 0.02 | 1.4E-01 | 57.63 | <0.01 | 0.48 | G*/I | 8.5E-02 | 1.04 | 1.1E-01 | 1.03 | 0.97 |
| rs11845808 | 105484177 | C | A | 0.11 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.11 | I/I | 1.2E-01 | 0.95 | 7.2E-02 | 0.94 | 0.97 |
| rs2819418 | 105400324 | C | T | 0.10 | 1.07 | 0.05 | 1.4E-01 | 0 | <0.01 | 0.09 | I/I | 3.4E-01 | 1.05 | 3.9E-01 | 1.04 | 0.52 |
| rs11160828 | 105473229 | C | T | 0.11 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.11 | I/I | 1.2E-01 | 0.95 | 7.2E-02 | 0.94 | 0.98 |
| rs10083490 | 105402418 | T | C | 0.47 | 1.03 | 0.02 | 1.4E-01 | 57.7 | <0.01 | 0.48 | G*/I | 8.6E-02 | 1.04 | 1.1E-01 | 1.03 | 0.97 |
| rs11160827 | 105422228 | T | C | 0.48 | 1.03 | 0.02 | 1.4E-01 | 15.88 | <0.01 | 0.46 | I/I | 9.8E-02 | 1.04 | 8.8E-02 | 1.04 | 0.90 |
| rs189077452 | 105427662 | C | T | 0.02 | 1.14 | 0.09 | 1.4E-01 | 0 | 0.01 | 0.02 | I/I | 3.1E-01 | 1.10 | 2.8E-01 | 1.10 | 0.80 |
| rs12892110 | 105475679 | C | T | 0.11 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.11 | I/I | 1.2E-01 | 0.95 | 7.3E-02 | 0.94 | 0.98 |
| rs10137856 | 105141459 | G | A | 0.42 | 1.04 | 0.03 | 1.4E-01 | 0 | 0.02 | 0.44 | I/I | 2.5E-01 | 1.03 | 2.2E-01 | 1.03 | 0.85 |
| rs12892633 | 105475991 | C | T | 0.11 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.11 | I/I | 1.2E-01 | 0.95 | 7.3E-02 | 0.94 | 0.98 |
| rs11626239 | 104906893 | T | A | 0.02 | 0.86 | 0.10 | 1.4E-01 | 0 | <0.01 | 0.02 | I/I | 1.3E-01 | 0.86 | 1.3E-01 | 0.86 | 0.58 |
| rs10142976 | 105579902 | T | C | 0.11 | 0.94 | 0.04 | 1.4E-01 | 0 | <0.01 | 0.14 | I/I | 1.3E-01 | 0.94 | 1.3E-01 | 0.94 | 0.84 |
| rs117495592 | 105183696 | T | C | 0.01 | 0.80 | 0.15 | 1.4E-01 | 0 | <0.01 | 0.02 | I/I | 3.9E-01 | 0.88 | 2.6E-01 | 0.85 | 0.49 |
| rs7144401 | 105477507 | A | G | 0.11 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.11 | G*/I | 1.2E-01 | 0.95 | 7.3E-02 | 0.94 | 0.98 |
| rs7156002 | 105220512 | T | C | 0.07 | 1.06 | 0.04 | 1.4E-01 | 0 | 0.04 | 0.04 | I/I | 8.6E-01 | 0.99 | 6.7E-01 | 0.98 | 0.96 |
| rs4073698 | 105478584 | G | A | 0.11 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.11 | G*/I | 1.2E-01 | 0.95 | 7.3E-02 | 0.94 | 0.98 |
| rs7153549 | 105480770 | A | T | 0.11 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.11 | G*/I | 1.2E-01 | 0.95 | 7.3E-02 | 0.94 | 0.98 |
| rs7151958 | 105480428 | C | G | 0.11 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.11 | G*/I | 1.2E-01 | 0.95 | 7.3E-02 | 0.94 | 0.98 |
| rs34149633 | 105316382 | G | A | 0.22 | 1.04 | 0.03 | 1.4E-01 | 64.83 | 0.01 | 0.17 | I/I | 6.1E-02 | 1.06 | 1.3E-01 | 1.05 | 0.76 |
| rs2582575 | 105451832 | C | T | 0.19 | 0.96 | 0.03 | 1.4E-01 | 16.64 | <0.01 | 0.18 | I/I | 1.2E-01 | 0.96 | 7.0E-02 | 0.95 | 0.91 |
| rs4247028 | 105140002 | C | T | 0.43 | 1.04 | 0.03 | 1.4E-01 | 0 | 0.02 | 0.44 | I/I | 2.5E-01 | 1.03 | 2.2E-01 | 1.03 | 0.86 |
| rs2494745 | 105256913 | C | G | 0.08 | 0.94 | 0.04 | 1.4E-01 | 0 | 0.07 | 0.08 | I/I | 8.4E-01 | 0.99 | 8.1E-01 | 1.01 | 0.88 |
| rs11844494 | 105482629 | T | C | 0.11 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.11 | I/I | 1.2E-01 | 0.95 | 7.4E-02 | 0.94 | 0.97 |
| rs1048257 | 105404384 | C | T | 0.47 | 1.03 | 0.02 | 1.4E-01 | 57.99 | <0.01 | 0.48 | G*/I | 8.7E-02 | 1.04 | 1.1E-01 | 1.03 | 0.97 |
| rs11629201 | 105063253 | T | C | 0.38 | 0.96 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.44 | I/I | 1.5E-01 | 0.96 | 1.7E-01 | 0.97 | 0.88 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs8014717 | 105296055 | C | T | 0.02 | 0.85 | 0.11 | 1.4E-01 | 0 | <0.01 | 0.05 | I/I | 8.2E-02 | 0.83 | 1.1E-01 | 0.84 | 0.47 |
| rs35040216 | 104943086 | G | A | 0.20 | 0.96 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.09 | I/I | 1.7E-01 | 0.96 | 1.3E-01 | 0.96 | 0.94 |
| rs12433837 | 105412541 | T | C | 0.33 | 1.04 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.31 | I/I | 5.6E-02 | 1.05 | 9.2E-02 | 1.05 | 0.65 |
| rs112894309 | 105629943 | A | C | 0.03 | 1.13 | 0.08 | 1.4E-01 | 21.83 | <0.01 | 0.02 | I/I | 1.5E-01 | 1.13 | 1.5E-01 | 1.13 | 0.60 |
| rs11845844 | 105484039 | A | G | 0.11 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.11 | I/I | 1.2E-01 | 0.95 | 7.4E-02 | 0.94 | 0.97 |
| rs1022431 | 105603415 | A | C | 0.11 | 0.94 | 0.04 | 1.4E-01 | 0 | <0.01 | 0.12 | I/I | 1.4E-01 | 0.94 | 1.4E-01 | 0.94 | 0.84 |
| rs151018124 | 105304019 | T | C | 0.13 | 0.95 | 0.04 | 1.4E-01 | 70.1 | 0.02 | 0.14 | I/I | 8.3E-02 | 0.94 | 1.4E-01 | 0.95 | 0.85 |
| rs28459454 | 104942628 | A | G | 0.20 | 0.96 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.09 | I/I | 1.7E-01 | 0.96 | 1.3E-01 | 0.96 | 0.94 |
| rs4983521 | 105142946 | C | T | 0.42 | 1.04 | 0.03 | 1.4E-01 | 0 | 0.02 | 0.44 | I/I | 2.5E-01 | 1.03 | 2.2E-01 | 1.03 | 0.84 |
| rs56166764 | 104983966 | A | G | 0.15 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.09 | I/I | 1.4E-01 | 0.95 | 1.1E-01 | 0.95 | 0.89 |
| rs4553558 | 105140132 | C | T | 0.43 | 1.04 | 0.03 | 1.4E-01 | 0 | 0.02 | 0.44 | I/I | 2.5E-01 | 1.03 | 2.2E-01 | 1.03 | 0.86 |
| rs4077520 | 105153469 | G | A | 0.32 | 1.04 | 0.03 | 1.4E-01 | 8.93 | <0.01 | 0.34 | I/I | 9.4E-01 | 1.00 | 2.1E-01 | 1.03 | 0.82 |
| rs12883995 | 105449928 | G | C | 0.19 | 0.96 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.17 | I/I | 1.2E-01 | 0.96 | 7.1E-02 | 0.95 | 0.91 |
| rs28675197 | 105489565 | T | C | 0.11 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.11 | I/I | 1.2E-01 | 0.95 | 7.6E-02 | 0.94 | 0.97 |
| rs80205198 | 105203855 | C | G | 0.09 | 0.94 | 0.04 | 1.4E-01 | 0 | 0.05 | 0.10 | I/I | 7.8E-01 | 1.01 | 7.1E-01 | 0.99 | 0.71 |
| rs28405640 | 104775852 | G | C | 0.35 | 0.96 | 0.03 | 1.4E-01 | 1.75 | <0.01 | 0.37 | I/I | 1.5E-01 | 0.96 | 1.3E-01 | 0.96 | 0.88 |
| rs10139323 | 104989158 | T | C | 0.36 | 0.96 | 0.03 | 1.4E-01 | 22.55 | <0.01 | 0.39 | I/I | 1.1E-01 | 0.96 | 1.3E-01 | 0.96 | 0.85 |
| rs4247027 | 105139894 | G | A | 0.42 | 1.04 | 0.03 | 1.4E-01 | 0 | 0.02 | 0.44 | G*/I | 2.5E-01 | 1.03 | 2.2E-01 | 1.03 | 0.87 |
| rs10148938 | 105493605 | C | A | 0.11 | 0.95 | 0.03 | 1.4E-01 | 0 | <0.01 | 0.11 | I/I | 1.2E-01 | 0.95 | 7.7E-02 | 0.94 | 0.97 |
| rs79062923 | 105443997 | T | C | 0.04 | 1.11 | 0.07 | 1.4E-01 | 18.79 | <0.01 | 0.05 | I/I | 2.5E-01 | 1.09 | 2.0E-01 | 1.09 | 0.51 |
| rs34252654 | 105477180 | G | A | 0.11 | 0.95 | 0.03 | 1.5E-01 | 0 | <0.01 | 0.11 | G*/I | 1.2E-01 | 0.95 | 7.8E-02 | 0.94 | 0.98 |
| rs10138346 | 105472922 | T | A | 0.11 | 0.95 | 0.03 | 1.5E-01 | 0 | <0.01 | 0.11 | I/I | 1.2E-01 | 0.95 | 7.7E-02 | 0.94 | 0.98 |
| rs28707248 | 105487997 | G | T | 0.11 | 0.95 | 0.03 | 1.5E-01 | 0 | <0.01 | 0.11 | I/I | 1.3E-01 | 0.95 | 7.8E-02 | 0.94 | 0.97 |
| rs144714404 | 105005308 | G | A | 0.02 | 1.14 | 0.09 | 1.5E-01 | 53.73 | <0.01 | 0.02 | I/I | 1.6E-01 | 1.13 | 8.6E-02 | 1.17 | 0.60 |
| rs141772799 | 105364764 | A | T | 0.03 | 0.87 | 0.10 | 1.5E-01 | 37.08 | <0.01 | 0.04 | I/I | 2.7E-01 | 0.90 | 1.8E-01 | 0.88 | 0.62 |
| rs8181961 | 105314642 | C | T | 0.28 | 1.04 | 0.03 | 1.5E-01 | 73.31 | <0.01 | 0.25 | I/I | 4.0E-02 | 1.06 | 6.3E-02 | 1.05 | 0.76 |
| rs116882956 | 105183403 | A | G | 0.01 | 0.81 | 0.15 | 1.5E-01 | 0 | <0.01 | 0.02 | I/I | 4.1E-01 | 0.89 | 2.8E-01 | 0.85 | 0.49 |
| rs10138366 | 104971184 | A | G | 0.28 | 0.96 | 0.03 | 1.5E-01 | 11.54 | <0.01 | 0.28 | I/I | 1.4E-01 | 0.96 | 1.1E-01 | 0.96 | 0.86 |
| rs2841221 | 105331466 | C | G | 0.36 | 1.03 | 0.02 | 1.5E-01 | 0 | 0.05 | 0.31 | I/I | 5.2E-02 | 1.04 | 8.8E-02 | 1.04 | 0.97 |
| rs113203583 | 105592294 | T | C | 0.12 | 1.06 | 0.04 | 1.5E-01 | 0 | <0.01 | 0.12 | I/I | 1.8E-01 | 1.05 | 2.5E-01 | 1.04 | 0.88 |
| rs10083374 | 105402994 | C | T | 0.47 | 1.03 | 0.02 | 1.5E-01 | 57.29 | <0.01 | 0.48 | I/I | 9.3E-02 | 1.04 | 1.2E-01 | 1.03 | 0.97 |
| rs61996045 | 105417103 | A | G | 0.41 | 1.04 | 0.03 | 1.5E-01 | 0 | <0.01 | 0.43 | I/I | 4.3E-02 | 1.05 | 6.2E-02 | 1.05 | 0.67 |
| rs11848041 | 105485849 | G | A | 0.11 | 0.95 | 0.03 | 1.5E-01 | 0 | <0.01 | 0.11 | I/I | 1.2E-01 | 0.95 | 7.8E-02 | 0.94 | 0.97 |
| rs7146817 | 105170175 | G | T | 0.22 | 0.96 | 0.03 | 1.5E-01 | 0 | 0.10 | 0.21 | I/I | 1.0E-01 | 0.96 | 9.2E-01 | 1.00 | 0.91 |
| rs4461008 | 105019987 | G | A | 0.06 | 1.08 | 0.05 | 1.5E-01 | 3.33 | <0.01 | 0.06 | I/I | 7.5E-02 | 1.10 | 9.3E-02 | 1.09 | 0.70 |
| rs10137527 | 105600664 | T | C | 0.11 | 0.94 | 0.04 | 1.5E-01 | 0 | <0.01 | 0.12 | I/I | 1.4E-01 | 0.94 | 1.4E-01 | 0.94 | 0.85 |
| rs117572009 | 105162807 | A | C | 0.07 | 1.06 | 0.04 | 1.5E-01 | 30.87 | 0.14 | 0.11 | I/I | 9.9E-01 | 1.00 | 7.5E-01 | 0.99 | 0.98 |
| rs10140601 | 104840805 | T | G | 0.22 | 0.96 | 0.03 | 1.5E-01 | 0 | 0.01 | 0.23 | I/I | 1.9E-01 | 0.96 | 1.4E-01 | 0.96 | 0.83 |
| rs12891996 | 105484622 | T | G | 0.11 | 0.95 | 0.03 | 1.5E-01 | 0 | <0.01 | 0.11 | I/I | 1.3E-01 | 0.95 | 7.9E-02 | 0.94 | 0.97 |
| rs11848239 | 105486157 | A | G | 0.11 | 0.95 | 0.03 | 1.5E-01 | 0 | <0.01 | 0.11 | I/I | 1.3E-01 | 0.95 | 7.9E-02 | 0.94 | 0.97 |
| rs8008344 | 105486758 | T | C | 0.11 | 0.95 | 0.03 | 1.5E-01 | 0 | <0.01 | 0.11 | I/I | 1.3E-01 | 0.95 | 7.9E-02 | 0.94 | 0.97 |
| rs116886213 | 105279615 | A | G | 0.02 | 0.85 | 0.12 | 1.5E-01 | 0 | <0.01 | 0.04 | I/I | 2.3E-01 | 0.87 | 1.8E-01 | 0.86 | 0.59 |
| rs72700159 | 105339984 | A | G | 0.02 | 1.14 | 0.09 | 1.5E-01 | 0 | <0.01 | 0.03 | I/I | 1.1E-01 | 1.16 | 1.4E-01 | 1.15 | 0.55 |
| rs7145851 | 105170222 | A | G | 0.22 | 0.96 | 0.03 | 1.5E-01 | 0 | 0.10 | 0.21 | I/I | 1.1E-01 | 0.96 | 9.1E-01 | 1.00 | 0.91 |
| rs61997771 | 105497911 | T | C | 0.32 | 1.03 | 0.02 | 1.5E-01 | 0 | <0.01 | 0.31 | I/I | 1.4E-01 | 1.03 | 6.6E-02 | 1.04 | 0.99 |
| rs7158955 | 105546369 | C | T | 0.15 | 1.05 | 0.04 | 1.5E-01 | 0 | <0.01 | 0.18 | I/I | 1.6E-01 | 1.05 | 9.0E-02 | 1.06 | 0.75 |
| rs2248966 | 105417102 | C | T | 0.47 | 1.04 | 0.03 | 1.5E-01 | 22.28 | <0.01 | 0.47 | I/I | 4.6E-02 | 1.05 | 7.5E-02 | 1.05 | 0.67 |
| rs12432572 | 105152344 | A | G | 0.48 | 1.04 | 0.03 | 1.5E-01 | 53.22 | 0.01 | 0.46 | I/I | 4.0E-01 | 1.02 | 4.0E-01 | 1.02 | 0.65 |
| rs2819422 | 105408955 | G | A | 0.46 | 1.03 | 0.02 | 1.5E-01 | 63.04 | <0.01 | 0.48 | I/I | 9.6E-02 | 1.04 | 1.2E-01 | 1.03 | 0.97 |
| rs117117106 | 105028257 | A | G | 0.02 | 1.13 | 0.08 | 1.5E-01 | 45.88 | <0.01 | 0.02 | I/I | 3.3E-01 | 1.09 | 3.2E-01 | 1.09 | 0.71 |
| rs12323856 | 105293185 | T | G | 0.08 | 1.07 | 0.05 | 1.5E-01 | 67.58 | <0.01 | 0.08 | I/I | 1.2E-01 | 1.08 | 1.3E-01 | 1.08 | 0.63 |
| rs12895272 | 105141783 | C | T | 0.12 | 1.06 | 0.04 | 1.5E-01 | 0 | <0.01 | 0.08 | I/I | 4.1E-01 | 1.03 | 1.3E-01 | 1.06 | 0.82 |
| rs2494752 | 105263608 | G | A | 0.08 | 0.95 | 0.04 | 1.5E-01 | 0 | 0.07 | 0.08 | I/I | 7.4E-01 | 0.99 | 8.8E-01 | 1.01 | 0.91 |
| rs4533207 | 105019970 | T | C | 0.06 | 1.08 | 0.05 | 1.5E-01 | 21.69 | <0.01 | 0.06 | I/I | 8.2E-02 | 1.10 | 9.9E-02 | 1.09 | 0.71 |
| rs7154620 | 104973914 | C | T | 0.21 | 0.96 | 0.03 | 1.5E-01 | 75.67 | <0.01 | 0.18 | I/I | 9.1E-02 | 0.95 | 1.0E-01 | 0.95 | 0.87 |
| rs59729652 | 104756479 | T | C | 0.15 | 1.06 | 0.04 | 1.5E-01 | 0 | <0.01 | 0.14 | I/I | 1.6E-01 | 1.06 | 1.9E-01 | 1.05 | 0.60 |
| rs10143367 | 105486513 | T | C | 0.11 | 0.95 | 0.03 | 1.5E-01 | 0 | <0.01 | 0.11 | I/I | 1.3E-01 | 0.95 | 8.2E-02 | 0.94 | 0.97 |
| rs2819421 | 105408811 | G | A | 0.49 | 1.03 | 0.02 | 1.5E-01 | 39.76 | <0.01 | 0.48 | I/I | 9.1E-02 | 1.04 | 1.3E-01 | 1.03 | 0.86 |
| rs11160812 | 105064457 | T | C | 0.37 | 0.96 | 0.03 | 1.5E-01 | 0 | <0.01 | 0.44 | G*/I | 1.6E-01 | 0.96 | 1.9E-01 | 0.97 | 0.88 |
| rs7158479 | 105552083 | C | T | 0.33 | 1.04 | 0.02 | 1.5E-01 | 65.08 | <0.01 | 0.31 | G*/I | 1.6E-01 | 1.04 | 9.7E-02 | 1.04 | 0.90 |
| rs2919618 | 105323300 | C | T | 0.35 | 1.03 | 0.02 | 1.5E-01 | 0 | 0.05 | 0.32 | I/I | 5.6E-02 | 1.04 | 9.5E-02 | 1.04 | 0.97 |
| rs3803316 | 105060368 | C | A | 0.38 | 0.96 | 0.03 | 1.6E-01 | 0 | <0.01 | 0.43 | I/I | 1.6E-01 | 0.97 | 1.9E-01 | 0.97 | 0.88 |
| rs72703900 | 105541302 | A | G | 0.05 | 0.92 | 0.06 | 1.6E-01 | 40.85 | <0.01 | 0.04 | I/I | 2.2E-01 | 0.93 | 2.0E-01 | 0.93 | 0.80 |
| rs10142723 | 105107922 | A | C | 0.45 | 1.04 | 0.03 | 1.6E-01 | 0 | 0.05 | 0.48 | I/I | 2.5E-01 | 1.03 | 4.8E-01 | 1.02 | 0.84 |
| rs2028417 | 105324800 | T | C | 0.44 | 1.03 | 0.02 | 1.6E-01 | 30.5 | 0.04 | 0.41 | I/I | 3.3E-02 | 1.05 | 4.1E-02 | 1.04 | 0.96 |
| rs7148960 | 105068247 | C | T | 0.23 | 0.96 | 0.03 | 1.6E-01 | 0 | <0.01 | 0.26 | I/I | 1.5E-01 | 0.96 | 2.1E-01 | 0.97 | 0.91 |
| rs113514625 | 105174598 | T | C | 0.14 | 1.05 | 0.03 | 1.6E-01 | 0 | 0.15 | 0.19 | I/I | 5.0E-01 | 1.02 | 9.9E-01 | 1.00 | 0.91 |
| rs10144190 | 105179081 | A | G | 0.45 | 0.97 | 0.02 | 1.6E-01 | 0 | 0.08 | 0.48 | I/I | 6.9E-01 | 1.01 | 7.0E-01 | 0.99 | 0.90 |
| rs7149763 | 104969416 | T | G | 0.23 | 0.96 | 0.03 | 1.6E-01 | 77.7 | <0.01 | 0.21 | I/I | 1.0E-01 | 0.95 | 1.0E-01 | 0.95 | 0.80 |
| rs60520694 | 105391712 | G | T | 0.03 | 1.09 | 0.06 | 1.6E-01 | 0 | <0.01 | 0.03 | I/I | 1.9E-01 | 1.08 | 2.6E-01 | 1.07 | 0.83 |
| rs76386715 | 105171208 | T | C | 0.14 | 1.05 | 0.03 | 1.6E-01 | 0 | 0.15 | 0.19 | I/I | 5.0E-01 | 1.02 | 1.0E+00 | 1.00 | 0.91 |
| rs79559717 | 105172315 | A | G | 0.14 | 1.05 | 0.03 | 1.6E-01 | 0 | 0.15 | 0.19 | I/I | 5.0E-01 | 1.02 | 1.0E+00 | 1.00 | 0.91 |
| rs10144804 | 105068206 | C | G | 0.24 | 0.96 | 0.03 | 1.6E-01 | 0 | <0.01 | 0.26 | I/I | 1.5E-01 | 0.96 | 2.2E-01 | 0.97 | 0.91 |
| rs145596224 | 105172546 | T | C | 0.01 | 0.81 | 0.15 | 1.6E-01 | 0 | <0.01 | 0.01 | I/I | 3.6E-01 | 0.87 | 3.0E-01 | 0.86 | 0.47 |
| rs10873548 | 105068500 | A | G | 0.23 | 0.96 | 0.03 | 1.6E-01 | 0 | <0.01 | 0.26 | I/I | 1.5E-01 | 0.96 | 2.2E-01 | 0.97 | 0.91 |
| rs4264326 | 105411700 | G | A | 0.46 | 1.03 | 0.02 | 1.6E-01 | 65.15 | <0.01 | 0.48 | I/I | 9.9E-02 | 1.04 | 1.3E-01 | 1.03 | 0.96 |
| rs28656783 | 105059573 | T | C | 0.38 | 0.97 | 0.03 | 1.6E-01 | 0 | <0.01 | 0.43 | I/I | 1.7E-01 | 0.97 | 2.0E-01 | 0.97 | 0.88 |
| rs11850699 | 105114460 | G | C | 0.46 | 1.04 | 0.03 | 1.6E-01 | 0 | 0.05 | 0.48 | I/I | 2.6E-01 | 1.03 | 4.9E-01 | 1.02 | 0.83 |
| rs12886677 | 105562746 | C | T | 0.38 | 1.04 | 0.03 | 1.6E-01 | 62.76 | <0.01 | 0.34 | I/I | 1.8E-01 | 1.03 | 1.2E-01 | 1.04 | 0.83 |
| rs3803315 | 105060632 | C | T | 0.38 | 0.97 | 0.03 | 1.6E-01 | 0 | <0.01 | 0.43 | I/I | 1.7E-01 | 0.97 | 2.0E-01 | 0.97 | 0.88 |
| rs7148772 | 105068127 | C | T | 0.23 | 0.96 | 0.03 | 1.6E-01 | 0 | <0.01 | 0.26 | I/I | 1.6E-01 | 0.96 | 2.2E-01 | 0.97 | 0.91 |
| rs78092206 | 105333255 | T | C | 0.03 | 1.13 | 0.09 | 1.6E-01 | 55.67 | <0.01 | 0.05 | I/I | 5.6E-02 | 1.18 | 8.0E-02 | 1.16 | 0.46 |
| rs8003920 | 105574293 | A | G | 0.34 | 1.04 | 0.02 | 1.6E-01 | 33.95 | <0.01 | 0.33 | I/I | 1.7E-01 | 1.03 | 9.7E-02 | 1.04 | 0.90 |
| rs61995994 | 105342982 | G | A | 0.46 | 1.03 | 0.02 | 1.6E-01 | 37.53 | 0.04 | 0.42 | I/I | 3.3E-02 | 1.05 | 4.4E-02 | 1.04 | 0.95 |
| rs72700143 | 105327201 | A | C | 0.44 | 1.03 | 0.02 | 1.6E-01 | 29.65 | 0.04 | 0.41 | I/I | 3.5E-02 | 1.05 | 4.2E-02 | 1.04 | 0.97 |
| rs28470657 | 104939727 | A | G | 0.16 | 0.96 | 0.03 | 1.6E-01 | 0 | <0.01 | 0.20 | I/I | 2.2E-01 | 0.96 | 1.8E-01 | 0.96 | 0.90 |
| rs3803317 | 105057948 | T | C | 0.38 | 0.97 | 0.03 | 1.6E-01 | 0 | <0.01 | 0.43 | I/I | 1.7E-01 | 0.97 | 2.0E-01 | 0.97 | 0.87 |
| rs143245295 | 105242457 | A | G | 0.01 | 0.87 | 0.10 | 1.6E-01 | 0 | 0.06 | 0.03 | I/I | 3.1E-01 | 0.90 | 2.1E-01 | 0.88 | 0.75 |
| rs8013538 | 105506424 | A | G | 0.27 | 1.03 | 0.02 | 1.6E-01 | 0 | <0.01 | 0.26 | I/I | 1.7E-01 | 1.03 | 8.9E-02 | 1.04 | 0.93 |
| rs8008984 | 105486934 | A | G | 0.11 | 0.95 | 0.03 | 1.6E-01 | 0 | <0.01 | 0.11 | I/I | 1.4E-01 | 0.95 | 8.8E-02 | 0.94 | 0.97 |
| rs72705792 | 105584805 | T | C | 0.11 | 1.06 | 0.04 | 1.6E-01 | 38.05 | <0.01 | 0.12 | I/I | 1.9E-01 | 1.05 | 2.6E-01 | 1.04 | 0.84 |
| rs9652406 | 105486138 | G | T | 0.20 | 1.04 | 0.03 | 1.6E-01 | 0 | <0.01 | 0.21 | I/I | 1.9E-01 | 1.04 | 1.4E-01 | 1.04 | 0.93 |
| rs4340255 | 105496275 | T | C | 0.11 | 0.95 | 0.03 | 1.6E-01 | 0 | <0.01 | 0.11 | I/I | 1.4E-01 | 0.95 | 8.8E-02 | 0.94 | 0.97 |
| rs75732278 | 104816652 | T | C | 0.21 | 0.96 | 0.03 | 1.6E-01 | 0 | <0.01 | 0.23 | I/I | 2.4E-01 | 0.96 | 2.1E-01 | 0.96 | 0.85 |
| rs118061751 | 105180394 | G | C | 0.03 | 0.88 | 0.09 | 1.6E-01 | 52.23 | <0.01 | 0.04 | I/I | 4.7E-01 | 0.93 | 4.6E-01 | 0.93 | 0.45 |
| rs73368078 | 104851248 | C | T | 0.05 | 1.09 | 0.06 | 1.7E-01 | 49.1 | <0.01 | 0.01 | I/I | 1.4E-01 | 1.10 | 1.5E-01 | 1.09 | 0.56 |
| rs28473652 | 105002388 | G | A | 0.35 | 1.04 | 0.03 | 1.7E-01 | 7.05 | <0.01 | 0.31 | I/I | 2.3E-01 | 1.03 | 2.6E-01 | 1.03 | 0.71 |
| rs59193267 | 104821938 | A | C | 0.31 | 0.96 | 0.03 | 1.7E-01 | 0 | <0.01 | 0.34 | I/I | 2.0E-01 | 0.96 | 2.1E-01 | 0.96 | 0.84 |
| rs12889389 | 105158371 | G | A | 0.26 | 1.04 | 0.03 | 1.7E-01 | 0 | <0.01 | 0.32 | I/I | 6.9E-01 | 1.01 | 2.7E-01 | 1.03 | 0.79 |
| rs118016083 | 105675946 | A | G | 0.04 | 1.10 | 0.07 | 1.7E-01 | 0 | 0.03 | 0.04 | I/I | 3.1E-01 | 1.07 | 5.5E-02 | 1.14 | 0.62 |
| rs72703864 | 105472100 | A | G | 0.02 | 0.86 | 0.11 | 1.7E-01 | 0 | 0.01 | 0.01 | I/I | 1.6E-01 | 0.86 | 2.0E-01 | 0.87 | 0.58 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs3001412 | 105323157 | G | A | 0.35 | 1.03 | 0.02 | 1.7E-01 | 0 | 0.05 | 0.32 | I/I | 6.1E-02 | 1.04 | 1.0E-01 | 1.04 | 0.97 |
| rs2494742 | 105251196 | C | G | 0.08 | 1.05 | 0.04 | 1.7E-01 | 0 | 0.08 | 0.08 | I/G | 9.5E-01 | 1.00 | 7.0E-01 | 0.98 | 0.89 |
| rs3001413 | 105323216 | G | C | 0.35 | 1.03 | 0.02 | 1.7E-01 | 0 | 0.05 | 0.32 | I/I | 6.1E-02 | 1.04 | 1.0E-01 | 1.04 | 0.97 |
| rs7161438 | 105564595 | A | T | 0.35 | 1.03 | 0.02 | 1.7E-01 | 55.49 | <0.01 | 0.32 | I/I | 1.9E-01 | 1.03 | 1.1E-01 | 1.04 | 0.89 |
| rs4983576 | 105554527 | A | G | 0.11 | 1.06 | 0.04 | 1.7E-01 | 0 | <0.01 | 0.12 | I/I | 2.0E-01 | 1.05 | 1.4E-01 | 1.06 | 0.87 |
| rs12882641 | 105432044 | A | G | 0.18 | 0.96 | 0.03 | 1.7E-01 | 0 | <0.01 | 0.22 | I/I | 1.4E-01 | 0.96 | 1.0E-01 | 0.95 | 0.87 |
| rs61997814 | 105553403 | T | C | 0.27 | 1.04 | 0.03 | 1.7E-01 | 57.15 | <0.01 | 0.24 | I/I | 1.7E-01 | 1.04 | 1.2E-01 | 1.05 | 0.68 |
| rs12433626 | 104904929 | A | G | 0.09 | 0.94 | 0.04 | 1.7E-01 | 8.31 | <0.01 | 0.13 | I/I | 2.2E-01 | 0.95 | 1.8E-01 | 0.94 | 0.72 |
| rs8008126 | 105331457 | G | A | 0.40 | 1.03 | 0.02 | 1.7E-01 | 50.11 | 0.05 | 0.34 | I/I | 5.3E-02 | 1.04 | 8.1E-02 | 1.04 | 0.91 |
| rs61997788 | 105541701 | G | A | 0.32 | 1.03 | 0.02 | 1.7E-01 | 34.77 | <0.01 | 0.30 | I/I | 1.8E-01 | 1.03 | 9.6E-02 | 1.04 | 0.90 |
| rs11849430 | 104827325 | C | T | 0.31 | 0.96 | 0.03 | 1.7E-01 | 0 | <0.01 | 0.34 | I/I | 2.0E-01 | 0.96 | 2.1E-01 | 0.96 | 0.84 |
| rs2841220 | 105329758 | C | G | 0.35 | 1.03 | 0.02 | 1.7E-01 | 0 | 0.05 | 0.32 | I/I | 6.3E-02 | 1.04 | 1.1E-01 | 1.04 | 0.99 |
| rs7151310 | 104970219 | A | G | 0.24 | 0.96 | 0.03 | 1.7E-01 | 77.66 | <0.01 | 0.21 | I/I | 1.1E-01 | 0.95 | 1.1E-01 | 0.95 | 0.79 |
| rs2582565 | 105330036 | T | A | 0.35 | 1.03 | 0.02 | 1.7E-01 | 0 | 0.05 | 0.32 | I/I | 6.3E-02 | 1.04 | 1.1E-01 | 1.04 | 0.99 |
| rs4983378 | 105145568 | A | G | 0.06 | 1.07 | 0.05 | 1.7E-01 | 44.05 | 0.01 | 0.06 | I/I | 1.0E-01 | 1.08 | 1.6E-01 | 1.07 | 0.93 |
| rs28591099 | 104939147 | C | G | 0.06 | 1.06 | 0.04 | 1.7E-01 | 24.49 | 0.01 | 0.02 | I/I | 1.3E-01 | 1.07 | 1.4E-01 | 1.07 | 0.89 |
| rs10137404 | 105485036 | G | C | 0.11 | 0.95 | 0.03 | 1.7E-01 | 0 | <0.01 | 0.11 | I/I | 1.4E-01 | 0.95 | 9.2E-02 | 0.94 | 0.96 |
| rs7145815 | 105170163 | A | G | 0.23 | 0.96 | 0.03 | 1.7E-01 | 0 | 0.10 | 0.22 | I/I | 1.4E-01 | 0.96 | 8.2E-01 | 1.01 | 0.90 |
| rs7147450 | 105488819 | T | G | 0.19 | 1.04 | 0.03 | 1.7E-01 | 0 | <0.01 | 0.17 | I/I | 2.1E-01 | 1.03 | 1.4E-01 | 1.04 | 0.97 |
| rs2841231 | 105340643 | T | C | 0.36 | 1.03 | 0.02 | 1.7E-01 | 0 | 0.04 | 0.34 | G/G | 6.2E-02 | 1.04 | 1.1E-01 | 1.04 | 1.00 |
| rs61995985 | 105330676 | A | C | 0.44 | 1.03 | 0.02 | 1.7E-01 | 38 | 0.04 | 0.41 | I/I | 3.9E-02 | 1.04 | 4.7E-02 | 1.04 | 0.97 |
| rs4575477 | 104830600 | G | A | 0.31 | 0.96 | 0.03 | 1.8E-01 | 0 | <0.01 | 0.34 | I/I | 2.1E-01 | 0.96 | 2.2E-01 | 0.97 | 0.84 |
| rs3742935 | 105405599 | C | G | 0.47 | 1.03 | 0.02 | 1.8E-01 | 58.81 | <0.01 | 0.48 | I/I | 1.1E-01 | 1.03 | 1.4E-01 | 1.03 | 0.97 |
| rs2735799 | 105622583 | C | T | 0.02 | 0.86 | 0.11 | 1.8E-01 | 0 | 0.02 | 0.03 | I/I | 1.0E-01 | 0.83 | 1.1E-01 | 0.83 | 0.70 |
| rs7146692 | 105575208 | T | C | 0.07 | 0.93 | 0.05 | 1.8E-01 | 85.57 | <0.01 | 0.05 | I/I | 1.7E-01 | 0.93 | 1.6E-01 | 0.93 | 0.84 |
| rs3803313 | 105070791 | T | G | 0.23 | 0.96 | 0.03 | 1.8E-01 | 0 | <0.01 | 0.26 | I/I | 1.6E-01 | 0.96 | 2.3E-01 | 0.97 | 0.91 |
| rs55671614 | 105053022 | A | G | 0.27 | 1.04 | 0.03 | 1.8E-01 | 0 | 0.02 | 0.28 | I/I | 2.4E-01 | 1.04 | 1.8E-01 | 1.04 | 0.78 |
| rs61761201 | 105238820 | C | G | 0.06 | 0.92 | 0.06 | 1.8E-01 | 31.1 | 0.03 | 0.05 | I/I | 7.2E-01 | 1.02 | 7.2E-01 | 0.98 | 0.50 |
| rs10438247 | 105411781 | A | G | 0.47 | 1.03 | 0.02 | 1.8E-01 | 60.62 | <0.01 | 0.48 | I/I | 1.0E-01 | 1.04 | 1.3E-01 | 1.03 | 0.95 |
| rs10143150 | 105580134 | G | A | 0.11 | 0.95 | 0.04 | 1.8E-01 | 0 | <0.01 | 0.14 | I/I | 1.7E-01 | 0.94 | 1.7E-01 | 0.94 | 0.82 |
| rs11627214 | 105315047 | T | A | 0.04 | 0.92 | 0.06 | 1.8E-01 | 54.15 | <0.01 | 0.06 | I/I | 3.2E-01 | 0.94 | 2.1E-01 | 0.92 | 0.72 |
| rs113157419 | 105592275 | G | T | 0.12 | 1.05 | 0.04 | 1.8E-01 | 0 | <0.01 | 0.12 | I/I | 2.1E-01 | 1.05 | 2.9E-01 | 1.04 | 0.88 |
| rs12588965 | 105246692 | A | T | 0.05 | 1.07 | 0.05 | 1.8E-01 | 9.92 | 0.04 | 0.02 | I/I | 1.0E+00 | 1.00 | 7.7E-01 | 0.98 | 0.78 |
| rs10151729 | 105469942 | T | C | 0.11 | 0.95 | 0.03 | 1.8E-01 | 0 | <0.01 | 0.10 | I/I | 1.5E-01 | 0.95 | 9.7E-02 | 0.94 | 0.96 |
| rs7149875 | 104990528 | G | T | 0.36 | 0.96 | 0.03 | 1.8E-01 | 22.48 | <0.01 | 0.39 | I/I | 1.3E-01 | 0.96 | 1.6E-01 | 0.96 | 0.85 |
| rs142838860 | 105119991 | T | C | 0.15 | 1.05 | 0.04 | 1.8E-01 | 52.83 | <0.01 | 0.14 | I/I | 2.9E-01 | 1.04 | 4.6E-01 | 1.03 | 0.61 |
| rs2841283 | 105395429 | G | A | 0.44 | 0.97 | 0.02 | 1.8E-01 | 43.8 | <0.01 | 0.42 | I/I | 9.2E-02 | 0.96 | 1.0E-01 | 0.96 | 0.86 |
| rs190347870 | 105321492 | T | G | 0.18 | 1.05 | 0.04 | 1.8E-01 | 23.73 | <0.01 | 0.19 | I/I | 2.1E-01 | 1.05 | 2.1E-01 | 1.05 | 0.50 |
| rs8004038 | 105385437 | A | G | 0.48 | 1.03 | 0.02 | 1.8E-01 | 12.19 | <0.01 | 0.49 | I/I | 1.1E-01 | 1.04 | 1.4E-01 | 1.03 | 0.86 |
| rs2304759 | 105344182 | T | C | 0.08 | 0.94 | 0.05 | 1.8E-01 | 57.37 | <0.01 | 0.11 | I/I | 1.2E-01 | 0.93 | 1.6E-01 | 0.94 | 0.77 |
| rs76147286 | 105164934 | T | C | 0.15 | 1.04 | 0.03 | 1.8E-01 | 0 | 0.15 | 0.19 | I/I | 5.7E-01 | 1.02 | 9.3E-01 | 1.00 | 0.89 |
| rs12880651 | 105060029 | C | T | 0.38 | 0.97 | 0.03 | 1.8E-01 | 0 | <0.01 | 0.43 | I/I | 1.9E-01 | 0.97 | 2.2E-01 | 0.97 | 0.88 |
| rs7160272 | 105682527 | T | C | 0.28 | 1.03 | 0.02 | 1.8E-01 | 0 | <0.01 | 0.32 | G*/I | 2.0E-01 | 1.03 | 2.2E-01 | 1.03 | 0.94 |
| rs8022211 | 105138662 | C | G | 0.43 | 1.04 | 0.03 | 1.8E-01 | 0 | 0.02 | 0.44 | I/I | 3.2E-01 | 1.03 | 2.8E-01 | 1.03 | 0.86 |
| rs117997087 | 105644788 | A | G | 0.02 | 1.12 | 0.09 | 1.8E-01 | 0 | <0.01 | 0.03 | I/I | 9.0E-02 | 1.16 | 1.1E-01 | 1.15 | 0.87 |
| rs4380004 | 104977254 | C | T | 0.20 | 0.96 | 0.03 | 1.8E-01 | 74.71 | <0.01 | 0.17 | I/I | 1.1E-01 | 0.95 | 1.3E-01 | 0.95 | 0.87 |
| rs79003030 | 105415422 | A | G | 0.29 | 1.04 | 0.03 | 1.8E-01 | 0 | <0.01 | 0.29 | I/I | 1.9E-02 | 1.08 | 3.2E-02 | 1.07 | 0.56 |
| rs11851852 | 105168428 | T | C | 0.08 | 1.05 | 0.04 | 1.8E-01 | 50.42 | 0.14 | 0.12 | G/G | 8.7E-01 | 0.99 | 6.2E-01 | 0.98 | 1.00 |
| rs111716346 | 105596716 | G | A | 0.02 | 1.13 | 0.09 | 1.8E-01 | 0 | <0.01 | 0.02 | I/I | 2.8E-01 | 1.11 | 3.4E-01 | 1.09 | 0.81 |
| rs75478023 | 105683386 | C | T | 0.07 | 1.07 | 0.05 | 1.8E-01 | 0 | <0.01 | 0.10 | I/I | 2.3E-01 | 1.06 | 3.0E-01 | 1.05 | 0.69 |
| rs116001927 | 105320956 | G | A | 0.37 | 1.03 | 0.02 | 1.8E-01 | 0 | 0.04 | 0.32 | I/I | 8.3E-02 | 1.04 | 1.2E-01 | 1.04 | 0.89 |
| rs4983530 | 105167807 | T | C | 0.03 | 1.12 | 0.09 | 1.8E-01 | 16.42 | 0.01 | 0.01 | I/I | 8.0E-01 | 1.02 | 5.2E-01 | 1.06 | 0.48 |
| rs80112741 | 104907641 | T | C | 0.02 | 1.11 | 0.08 | 1.8E-01 | 0 | <0.01 | 0.01 | I/I | 1.5E-01 | 1.12 | 1.7E-01 | 1.12 | 0.72 |
| rs12889428 | 105538526 | T | C | 0.30 | 1.03 | 0.02 | 1.9E-01 | 3.74 | <0.01 | 0.28 | I/I | 2.1E-01 | 1.03 | 1.2E-01 | 1.04 | 0.93 |
| rs10134757 | 105295911 | G | A | 0.28 | 1.04 | 0.03 | 1.9E-01 | 73.86 | <0.01 | 0.25 | I/I | 6.2E-02 | 1.05 | 1.0E-01 | 1.05 | 0.71 |
| rs146093414 | 105183615 | T | C | 0.02 | 0.85 | 0.12 | 1.9E-01 | 0 | <0.01 | 0.02 | I/I | 2.8E-01 | 0.88 | 1.7E-01 | 0.85 | 0.55 |
| rs4983561 | 105333539 | G | A | 0.35 | 1.03 | 0.02 | 1.9E-01 | 0 | 0.05 | 0.32 | G/G | 6.9E-02 | 1.04 | 1.2E-01 | 1.03 | 1.00 |
| rs72715968 | 105186178 | T | A | 0.20 | 0.96 | 0.03 | 1.9E-01 | 0 | 0.11 | 0.20 | I/I | 1.0E-01 | 0.95 | 8.0E-01 | 1.01 | 0.89 |
| rs72715966 | 105186163 | T | C | 0.20 | 0.96 | 0.03 | 1.9E-01 | 0 | 0.11 | 0.20 | I/I | 1.0E-01 | 0.95 | 8.0E-01 | 1.01 | 0.89 |
| rs61995990 | 105338536 | A | G | 0.46 | 1.03 | 0.02 | 1.9E-01 | 0 | 0.05 | 0.45 | I/I | 5.3E-02 | 1.04 | 6.2E-02 | 1.04 | 0.93 |
| rs2582568 | 105458521 | C | T | 0.18 | 1.04 | 0.03 | 1.9E-01 | 0 | <0.01 | 0.17 | I/I | 2.4E-01 | 1.03 | 1.6E-01 | 1.04 | 0.98 |
| rs12890464 | 105303312 | T | C | 0.20 | 0.96 | 0.03 | 1.9E-01 | 73.34 | 0.01 | 0.17 | I/I | 1.3E-01 | 0.95 | 2.2E-01 | 0.96 | 0.75 |
| rs41310934 | 105344603 | T | C | 0.43 | 1.03 | 0.02 | 1.9E-01 | 0 | 0.04 | 0.39 | I/I | 3.5E-02 | 1.05 | 4.6E-02 | 1.04 | 0.98 |
| rs61421370 | 105406372 | T | C | 0.48 | 1.03 | 0.02 | 1.9E-01 | 24.66 | <0.01 | 0.48 | I/I | 1.1E-01 | 1.04 | 1.2E-01 | 1.03 | 0.95 |
| rs34178085 | 104744830 | G | A | 0.42 | 1.03 | 0.03 | 1.9E-01 | 0 | <0.01 | 0.42 | I/I | 1.9E-01 | 1.03 | 2.1E-01 | 1.03 | 0.84 |
| rs8009473 | 105301841 | A | G | 0.20 | 0.96 | 0.03 | 1.9E-01 | 74.19 | 0.01 | 0.17 | I/I | 1.4E-01 | 0.96 | 2.4E-01 | 0.96 | 0.75 |
| rs2841225 | 105335710 | G | A | 0.35 | 1.03 | 0.02 | 1.9E-01 | 0 | 0.05 | 0.32 | I/I | 7.0E-02 | 1.04 | 1.2E-01 | 1.03 | 1.00 |
| rs2841216 | 105322519 | G | A | 0.37 | 1.03 | 0.02 | 1.9E-01 | 0 | 0.05 | 0.34 | I/I | 6.2E-02 | 1.04 | 1.3E-01 | 1.03 | 0.94 |
| rs41307094 | 105236377 | A | G | 0.01 | 0.88 | 0.10 | 1.9E-01 | 0 | 0.06 | 0.03 | I/I | 3.6E-01 | 0.91 | 2.4E-01 | 0.89 | 0.77 |
| rs78551665 | 105346203 | A | G | 0.04 | 1.09 | 0.06 | 1.9E-01 | 0 | <0.01 | 0.05 | I/I | 2.3E-01 | 1.08 | 2.5E-01 | 1.07 | 0.73 |
| rs11845484 | 105378311 | A | G | 0.29 | 1.03 | 0.02 | 1.9E-01 | 57.12 | 0.01 | 0.26 | I/I | 7.3E-02 | 1.04 | 7.1E-02 | 1.05 | 0.95 |
| rs75458767 | 105150467 | A | G | 0.04 | 1.09 | 0.06 | 1.9E-01 | 0 | <0.01 | 0.03 | I/I | 2.5E-02 | 1.16 | 6.4E-02 | 1.13 | 0.59 |
| rs7157579 | 104988350 | G | A | 0.36 | 0.97 | 0.03 | 1.9E-01 | 24.71 | <0.01 | 0.39 | I/I | 1.5E-01 | 0.96 | 1.6E-01 | 0.96 | 0.85 |
| rs8010024 | 105302190 | T | G | 0.20 | 0.96 | 0.03 | 1.9E-01 | 74.3 | 0.01 | 0.17 | I/I | 1.4E-01 | 0.96 | 2.4E-01 | 0.96 | 0.75 |
| rs7157046 | 105464163 | T | C | 0.19 | 1.04 | 0.03 | 1.9E-01 | 0 | <0.01 | 0.18 | I/I | 2.4E-01 | 1.03 | 1.6E-01 | 1.04 | 0.98 |
| rs10438246 | 105410183 | C | T | 0.47 | 1.03 | 0.02 | 1.9E-01 | 59.17 | <0.01 | 0.48 | G*/I | 1.2E-01 | 1.03 | 1.5E-01 | 1.03 | 0.97 |
| rs8007509 | 105580183 | G | A | 0.14 | 1.05 | 0.03 | 1.9E-01 | 0 | <0.01 | 0.16 | I/I | 2.4E-01 | 1.04 | 1.8E-01 | 1.05 | 0.85 |
| rs28690313 | 105274789 | A | G | 0.25 | 0.97 | 0.03 | 1.9E-01 | 52.25 | <0.01 | 0.28 | I/I | 4.6E-01 | 0.98 | 8.2E-01 | 0.99 | 0.73 |
| rs8013233 | 105471408 | A | G | 0.11 | 0.96 | 0.03 | 1.9E-01 | 0 | <0.01 | 0.10 | I/I | 1.6E-01 | 0.95 | 1.0E-01 | 0.95 | 0.97 |
| rs28380382 | 105410827 | T | C | 0.47 | 1.03 | 0.02 | 1.9E-01 | 59.28 | <0.01 | 0.48 | I/I | 1.2E-01 | 1.03 | 1.6E-01 | 1.03 | 0.97 |
| rs4643255 | 105106153 | G | A | 0.46 | 1.04 | 0.03 | 1.9E-01 | 0 | 0.06 | 0.48 | I/I | 3.0E-01 | 1.03 | 5.3E-01 | 1.02 | 0.84 |
| rs10152073 | 105409959 | T | G | 0.47 | 1.03 | 0.02 | 1.9E-01 | 59.26 | <0.01 | 0.48 | G*/I | 1.2E-01 | 1.03 | 1.6E-01 | 1.03 | 0.97 |
| rs61995986 | 105330871 | G | C | 0.40 | 1.03 | 0.02 | 1.9E-01 | 0 | 0.04 | 0.38 | I/I | 6.6E-02 | 1.04 | 9.5E-02 | 1.04 | 0.98 |
| rs2841227 | 105336751 | A | G | 0.35 | 1.03 | 0.02 | 1.9E-01 | 0 | 0.05 | 0.32 | I/I | 7.2E-02 | 1.04 | 1.2E-01 | 1.03 | 1.00 |
| rs4492983 | 104801139 | C | A | 0.31 | 0.96 | 0.03 | 1.9E-01 | 0 | <0.01 | 0.26 | I/I | 2.0E-01 | 0.96 | 1.9E-01 | 0.96 | 0.84 |
| rs9324077 | 104843394 | T | C | 0.19 | 0.95 | 0.04 | 1.9E-01 | 0 | <0.01 | 0.16 | I/I | 2.4E-01 | 0.96 | 2.1E-01 | 0.96 | 0.67 |
| rs4267250 | 105480641 | G | A | 0.18 | 1.04 | 0.03 | 1.9E-01 | 0 | <0.01 | 0.17 | I/I | 2.4E-01 | 1.03 | 1.6E-01 | 1.04 | 0.98 |
| rs11851335 | 105102837 | A | G | 0.07 | 1.07 | 0.05 | 1.9E-01 | 28.04 | <0.01 | 0.02 | I/I | 6.0E-01 | 1.03 | 9.1E-02 | 1.10 | 0.76 |
| rs2841236 | 105350355 | G | A | 0.30 | 1.03 | 0.03 | 1.9E-01 | 69.53 | <0.01 | 0.28 | I/I | 1.3E-01 | 1.04 | 1.7E-01 | 1.04 | 0.79 |
| rs11846347 | 104828699 | G | A | 0.31 | 0.96 | 0.03 | 1.9E-01 | 0 | <0.01 | 0.34 | I/I | 2.3E-01 | 0.97 | 2.4E-01 | 0.97 | 0.84 |
| rs113319633 | 105186679 | T | C | 0.20 | 0.96 | 0.03 | 1.9E-01 | 0 | 0.11 | 0.20 | I/I | 1.0E-01 | 0.95 | 8.0E-01 | 1.01 | 0.88 |
| rs12897558 | 105469893 | A | G | 0.11 | 0.96 | 0.03 | 1.9E-01 | 0 | <0.01 | 0.10 | I/I | 1.7E-01 | 0.95 | 1.1E-01 | 0.95 | 0.97 |
| rs2841232 | 105341110 | C | A | 0.36 | 1.03 | 0.02 | 1.9E-01 | 0 | 0.04 | 0.33 | I/I | 7.2E-02 | 1.04 | 1.2E-01 | 1.03 | 1.00 |
| rs4612996 | 105112031 | C | T | 0.46 | 1.03 | 0.03 | 1.9E-01 | 20.28 | 0.05 | 0.49 | I/I | 3.3E-01 | 1.03 | 5.7E-01 | 1.02 | 0.84 |
| rs72709714 | 105675337 | C | T | 0.02 | 1.12 | 0.09 | 2.0E-01 | 0 | 0.02 | 0.03 | I/I | 2.9E-01 | 1.10 | 3.5E-01 | 1.09 | 0.78 |
| rs4254262 | 104963839 | C | T | 0.20 | 1.03 | 0.03 | 2.0E-01 | 0 | <0.01 | 0.26 | G/G | 2.6E-01 | 1.03 | 2.1E-01 | 1.03 | 1.00 |
| rs75337832 | 105199827 | G | A | 0.01 | 1.14 | 0.10 | 2.0E-01 | 0 | 0.03 | 0.02 | I/I | 6.2E-01 | 1.05 | 7.8E-01 | 1.03 | 0.76 |
| rs72705801 | 105593686 | A | G | 0.13 | 1.05 | 0.04 | 2.0E-01 | 24.72 | <0.01 | 0.14 | I/I | 2.4E-01 | 1.04 | 3.3E-01 | 1.04 | 0.88 |
| rs8010844 | 105553662 | C | T | 0.10 | 1.05 | 0.04 | 2.0E-01 | 0 | <0.01 | 0.12 | I/I | 2.5E-01 | 1.05 | 1.8E-01 | 1.05 | 0.88 |
| rs4983578 | 105555261 | G | T | 0.10 | 1.05 | 0.04 | 2.0E-01 | 0 | <0.01 | 0.12 | I/I | 2.5E-01 | 1.05 | 1.8E-01 | 1.05 | 0.88 |
| rs4353434 | 104978868 | C | T | 0.20 | 0.96 | 0.03 | 2.0E-01 | 74.68 | <0.01 | 0.17 | I/I | 1.2E-01 | 0.95 | 1.4E-01 | 0.96 | 0.87 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs72709734 | 105695931 | A | G | 0.11 | 1.06 | 0.05 | 2.0E-01 | 5.9 | <0.01 | 0.09 | I/I | 2.3E-01 | 1.06 | 3.7E-01 | 1.04 | 0.49 |
| rs7156936 | 105171812 | G | A | 0.23 | 0.96 | 0.03 | 2.0E-01 | 0 | 0.09 | 0.22 | I/I | 1.3E-01 | 0.96 | 8.7E-01 | 1.00 | 0.91 |
| rs141136095 | 105119621 | T | C | 0.02 | 1.12 | 0.09 | 2.0E-01 | 0 | <0.01 | 0.01 | I/I | 4.1E-01 | 1.08 | 5.3E-01 | 1.06 | 0.81 |
| rs80252681 | 105055897 | A | G | 0.09 | 1.05 | 0.04 | 2.0E-01 | 54.82 | <0.01 | 0.09 | I/I | 1.7E-01 | 1.06 | 1.8E-01 | 1.06 | 0.90 |
| rs73363341 | 105132462 | A | G | 0.12 | 1.05 | 0.04 | 2.0E-01 | 24.11 | <0.01 | 0.09 | I/I | 5.1E-01 | 1.03 | 1.9E-01 | 1.05 | 0.82 |
| rs41317300 | 105344761 | T | C | 0.43 | 1.03 | 0.02 | 2.0E-01 | 1.79 | 0.04 | 0.39 | I/I | 3.8E-02 | 1.04 | 5.0E-02 | 1.04 | 0.98 |
| rs7155932 | 105476065 | C | T | 0.18 | 1.04 | 0.03 | 2.0E-01 | 0 | <0.01 | 0.17 | I/I | 2.4E-01 | 1.03 | 1.7E-01 | 1.04 | 0.98 |
| rs61996025 | 105399975 | G | C | 0.49 | 1.03 | 0.02 | 2.0E-01 | 59.69 | <0.01 | 0.49 | I/I | 1.5E-01 | 1.03 | 1.8E-01 | 1.03 | 0.92 |
| rs74089043 | 105102323 | C | G | 0.33 | 1.04 | 0.03 | 2.0E-01 | 53.85 | 0.03 | 0.37 | I/I | 4.5E-01 | 1.02 | 6.6E-01 | 1.01 | 0.82 |
| rs11160825 | 105410411 | T | C | 0.47 | 1.03 | 0.02 | 2.0E-01 | 58.51 | <0.01 | 0.48 | I/I | 1.3E-01 | 1.03 | 1.6E-01 | 1.03 | 0.97 |
| rs8014544 | 105693791 | G | C | 0.28 | 1.03 | 0.03 | 2.0E-01 | 0 | <0.01 | 0.32 | I/I | 2.3E-01 | 1.03 | 2.5E-01 | 1.03 | 0.89 |
| rs4344668 | 105496739 | T | G | 0.19 | 1.03 | 0.03 | 2.0E-01 | 0 | <0.01 | 0.18 | I/I | 2.4E-01 | 1.03 | 1.6E-01 | 1.04 | 0.98 |
| rs10151872 | 105080703 | G | A | 0.23 | 0.97 | 0.03 | 2.0E-01 | 0 | <0.01 | 0.26 | I/I | 1.9E-01 | 0.97 | 2.6E-01 | 0.97 | 0.93 |
| rs2841278 | 105391748 | G | C | 0.47 | 0.97 | 0.02 | 2.0E-01 | 62.99 | <0.01 | 0.49 | I/I | 1.4E-01 | 0.97 | 1.7E-01 | 0.97 | 0.97 |
| rs2819469 | 105394859 | A | G | 0.47 | 0.97 | 0.02 | 2.0E-01 | 61.06 | <0.01 | 0.50 | I/I | 1.4E-01 | 0.97 | 1.7E-01 | 0.97 | 0.97 |
| rs73359083 | 105134186 | A | G | 0.11 | 1.05 | 0.04 | 2.0E-01 | 13.21 | <0.01 | 0.08 | I/I | 5.0E-01 | 1.03 | 1.7E-01 | 1.06 | 0.82 |
| rs920499 | 105366499 | T | C | 0.29 | 1.03 | 0.02 | 2.0E-01 | 62.07 | 0.01 | 0.26 | G*/I | 7.8E-02 | 1.04 | 7.6E-02 | 1.04 | 0.96 |
| rs11160834 | 105563262 | A | T | 0.12 | 1.05 | 0.04 | 2.0E-01 | 0 | <0.01 | 0.13 | I/I | 2.5E-01 | 1.04 | 1.8E-01 | 1.05 | 0.89 |
| rs12895274 | 105546711 | T | G | 0.33 | 1.03 | 0.02 | 2.0E-01 | 57.83 | <0.01 | 0.31 | I/I | 2.2E-01 | 1.03 | 1.3E-01 | 1.04 | 0.91 |
| rs4474629 | 105580774 | A | T | 0.12 | 1.05 | 0.04 | 2.0E-01 | 0 | <0.01 | 0.13 | I/I | 2.5E-01 | 1.04 | 1.8E-01 | 1.05 | 0.91 |
| rs10141053 | 105409907 | C | T | 0.48 | 1.03 | 0.02 | 2.0E-01 | 17.84 | <0.01 | 0.48 | I/I | 1.1E-01 | 1.03 | 1.3E-01 | 1.03 | 0.94 |
| rs2819424 | 105410775 | G | A | 0.46 | 1.03 | 0.02 | 2.0E-01 | 63.18 | <0.01 | 0.48 | I/I | 1.3E-01 | 1.03 | 1.7E-01 | 1.03 | 0.96 |
| rs79697519 | 105582014 | T | C | 0.02 | 1.15 | 0.11 | 2.0E-01 | 0 | 0.01 | 0.03 | I/I | 1.2E-01 | 1.18 | 9.6E-02 | 1.19 | 0.57 |
| rs2841281 | 105394669 | T | C | 0.47 | 0.97 | 0.02 | 2.0E-01 | 60.98 | <0.01 | 0.50 | I/I | 1.4E-01 | 0.97 | 1.7E-01 | 0.97 | 0.97 |
| rs10151692 | 105080510 | G | A | 0.23 | 0.97 | 0.03 | 2.0E-01 | 0 | <0.01 | 0.26 | I/I | 1.9E-01 | 0.97 | 2.6E-01 | 0.97 | 0.93 |
| rs28664663 | 105538994 | A | G | 0.30 | 1.03 | 0.02 | 2.0E-01 | 13.37 | <0.01 | 0.28 | I/I | 2.2E-01 | 1.03 | 1.2E-01 | 1.04 | 0.94 |
| rs4265748 | 105530334 | A | G | 0.29 | 1.03 | 0.02 | 2.0E-01 | 0 | <0.01 | 0.27 | I/I | 2.1E-01 | 1.03 | 1.1E-01 | 1.04 | 0.95 |
| rs12894037 | 105369235 | T | A | 0.29 | 1.03 | 0.02 | 2.0E-01 | 60.8 | 0.01 | 0.26 | I/I | 7.9E-02 | 1.04 | 7.7E-02 | 1.04 | 0.95 |
| rs4622449 | 104830620 | T | C | 0.22 | 0.96 | 0.03 | 2.0E-01 | 0 | <0.01 | 0.25 | I/I | 2.8E-01 | 0.97 | 2.6E-01 | 0.96 | 0.84 |
| rs148113337 | 105712829 | T | C | 0.02 | 1.14 | 0.10 | 2.0E-01 | 0 | <0.01 | 0.02 | I/I | 2.5E-01 | 1.13 | 2.7E-01 | 1.12 | 0.60 |
| rs28427389 | 105337803 | T | C | 0.40 | 1.03 | 0.02 | 2.0E-01 | 0 | 0.04 | 0.39 | I/I | 6.1E-02 | 1.04 | 1.0E-01 | 1.04 | 0.97 |
| rs117084961 | 105190942 | G | A | 0.02 | 0.85 | 0.13 | 2.0E-01 | 0 | 0.01 | 0.02 | I/I | 6.1E-01 | 0.94 | 4.1E-01 | 0.90 | 0.50 |
| rs56190325 | 105436904 | A | G | 0.02 | 0.88 | 0.10 | 2.0E-01 | 4.78 | <0.01 | 0.02 | I/I | 1.9E-01 | 0.88 | 2.2E-01 | 0.88 | 0.56 |
| rs12436986 | 105412554 | G | T | 0.34 | 1.03 | 0.03 | 2.0E-01 | 0 | <0.01 | 0.31 | I/I | 9.0E-02 | 1.05 | 1.3E-01 | 1.04 | 0.66 |
| rs11845745 | 105483996 | G | A | 0.19 | 1.03 | 0.03 | 2.0E-01 | 0 | <0.01 | 0.17 | I/I | 2.3E-01 | 1.03 | 1.5E-01 | 1.04 | 0.96 |
| rs11628851 | 105482065 | G | A | 0.18 | 1.04 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.17 | I/I | 2.5E-01 | 1.03 | 1.7E-01 | 1.04 | 0.98 |
| rs7159216 | 105585608 | A | G | 0.11 | 0.95 | 0.04 | 2.1E-01 | 0 | <0.01 | 0.14 | G*/I | 2.0E-01 | 0.95 | 1.9E-01 | 0.95 | 0.86 |
| rs56152263 | 105103809 | A | G | 0.34 | 1.04 | 0.03 | 2.1E-01 | 52.39 | 0.04 | 0.39 | I/I | 4.4E-01 | 1.02 | 6.6E-01 | 1.01 | 0.82 |
| rs4983595 | 105005216 | T | C | 0.23 | 1.04 | 0.03 | 2.1E-01 | 6.71 | <0.01 | 0.20 | I/I | 2.2E-01 | 1.04 | 2.7E-01 | 1.04 | 0.70 |
| rs909236 | 105606156 | T | C | 0.23 | 1.04 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.25 | I/I | 2.5E-01 | 1.03 | 1.8E-01 | 1.04 | 0.87 |
| rs1134959 | 105056105 | G | C | 0.09 | 1.05 | 0.04 | 2.1E-01 | 59.8 | <0.01 | 0.09 | I/I | 1.7E-01 | 1.05 | 1.9E-01 | 1.05 | 0.90 |
| rs11850949 | 105408827 | C | A | 0.49 | 1.03 | 0.02 | 2.1E-01 | 27.6 | <0.01 | 0.48 | I/I | 1.2E-01 | 1.03 | 1.7E-01 | 1.03 | 0.88 |
| rs71423803 | 105469755 | T | C | 0.11 | 0.96 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.10 | I/I | 1.8E-01 | 0.95 | 1.2E-01 | 0.95 | 0.98 |
| rs8020981 | 105136781 | A | G | 0.03 | 1.08 | 0.06 | 2.1E-01 | 0 | <0.01 | 0.04 | I/G | 3.4E-01 | 1.06 | 2.6E-01 | 1.07 | 0.90 |
| rs58946503 | 104836058 | T | C | 0.30 | 0.96 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.32 | I/I | 2.5E-01 | 0.97 | 2.6E-01 | 0.97 | 0.85 |
| rs184023841 | 105321399 | T | G | 0.09 | 1.07 | 0.05 | 2.1E-01 | 0 | <0.01 | 0.08 | I/I | 1.9E-01 | 1.07 | 1.6E-01 | 1.07 | 0.48 |
| rs7158820 | 105467700 | G | A | 0.18 | 1.03 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.17 | I/I | 2.5E-01 | 1.03 | 1.7E-01 | 1.04 | 0.99 |
| rs2494751 | 105262961 | A | G | 0.07 | 0.95 | 0.04 | 2.1E-01 | 0 | 0.07 | 0.08 | I/G | 1.0E+00 | 1.00 | 6.6E-01 | 1.02 | 0.93 |
| rs77541926 | 104945518 | G | C | 0.06 | 1.06 | 0.05 | 2.1E-01 | 31.11 | 0.01 | 0.02 | I/I | 1.7E-01 | 1.07 | 1.8E-01 | 1.07 | 0.83 |
| rs72707603 | 105594257 | G | T | 0.12 | 1.05 | 0.04 | 2.1E-01 | 4.82 | <0.01 | 0.12 | I/I | 2.4E-01 | 1.04 | 3.2E-01 | 1.04 | 0.89 |
| rs7148837 | 105000753 | G | T | 0.28 | 0.97 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.26 | G*/I | 1.9E-01 | 0.96 | 1.3E-01 | 0.96 | 0.87 |
| rs10149533 | 105308529 | A | G | 0.29 | 1.04 | 0.03 | 2.1E-01 | 70.7 | <0.01 | 0.25 | I/I | 6.7E-02 | 1.05 | 1.0E-01 | 1.05 | 0.75 |
| rs10130338 | 105310163 | A | G | 0.29 | 1.04 | 0.03 | 2.1E-01 | 71.75 | <0.01 | 0.25 | I/I | 6.7E-02 | 1.05 | 1.0E-01 | 1.05 | 0.75 |
| rs112720520 | 105313876 | G | T | 0.02 | 1.14 | 0.10 | 2.1E-01 | 0 | 0.01 | 0.04 | I/I | 2.3E-01 | 1.13 | 2.2E-01 | 1.14 | 0.56 |
| rs9324079 | 105424173 | C | A | 0.04 | 0.90 | 0.08 | 2.1E-01 | 31.85 | 0.01 | 0.02 | I/I | 1.8E-01 | 0.89 | 1.4E-01 | 0.88 | 0.68 |
| rs6420941 | 105498785 | A | G | 0.19 | 1.03 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.18 | I/I | 2.5E-01 | 1.03 | 1.7E-01 | 1.04 | 0.98 |
| rs2735810 | 105592259 | G | A | 0.23 | 1.04 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.31 | I/I | 2.5E-01 | 1.04 | 2.8E-01 | 1.04 | 0.67 |
| rs35459099 | 105306816 | A | C | 0.28 | 1.04 | 0.03 | 2.1E-01 | 73.41 | <0.01 | 0.25 | I/I | 6.7E-02 | 1.05 | 9.9E-02 | 1.05 | 0.74 |
| rs2735800 | 105605643 | A | G | 0.23 | 1.04 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.25 | I/I | 2.5E-01 | 1.03 | 1.9E-01 | 1.04 | 0.87 |
| rs4264330 | 105306468 | T | C | 0.28 | 1.04 | 0.03 | 2.1E-01 | 73.43 | <0.01 | 0.25 | I/I | 6.7E-02 | 1.05 | 1.0E-01 | 1.05 | 0.74 |
| rs10146073 | 104976398 | C | T | 0.21 | 0.96 | 0.03 | 2.1E-01 | 74.27 | <0.01 | 0.17 | I/I | 1.2E-01 | 0.95 | 1.4E-01 | 0.96 | 0.87 |
| rs4354858 | 105499073 | C | T | 0.19 | 1.03 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.18 | I/I | 2.5E-01 | 1.03 | 1.7E-01 | 1.04 | 0.98 |
| rs894039 | 105461067 | T | C | 0.18 | 1.03 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.17 | G*/I | 2.6E-01 | 1.03 | 1.8E-01 | 1.04 | 0.99 |
| rs61995988 | 105338458 | T | C | 0.44 | 1.03 | 0.02 | 2.1E-01 | 35.54 | 0.04 | 0.41 | I/I | 5.0E-02 | 1.04 | 6.0E-02 | 1.04 | 0.98 |
| rs6576065 | 105465841 | A | G | 0.18 | 1.03 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.17 | I/I | 2.6E-01 | 1.03 | 1.7E-01 | 1.04 | 0.99 |
| rs117932691 | 105285212 | G | C | 0.03 | 0.89 | 0.09 | 2.1E-01 | 32.54 | <0.01 | 0.05 | I/I | 4.4E-01 | 0.93 | 3.2E-01 | 0.91 | 0.52 |
| rs6576066 | 105466027 | G | A | 0.18 | 1.03 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.17 | I/I | 2.6E-01 | 1.03 | 1.7E-01 | 1.04 | 0.99 |
| rs2841230 | 105338721 | G | A | 0.36 | 1.03 | 0.02 | 2.1E-01 | 0 | 0.05 | 0.35 | I/I | 8.2E-02 | 1.04 | 1.3E-01 | 1.03 | 0.94 |
| rs4264331 | 105306664 | A | C | 0.28 | 1.04 | 0.03 | 2.1E-01 | 73.44 | <0.01 | 0.25 | I/I | 6.7E-02 | 1.05 | 1.0E-01 | 1.05 | 0.74 |
| rs1128866 | 105185567 | A | G | 0.20 | 0.96 | 0.03 | 2.1E-01 | 0 | 0.11 | 0.20 | I/I | 1.2E-01 | 0.96 | 7.5E-01 | 1.01 | 0.89 |
| rs10131315 | 105477349 | C | G | 0.18 | 1.03 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.17 | I/I | 2.6E-01 | 1.03 | 1.8E-01 | 1.04 | 0.99 |
| rs10134371 | 105424190 | T | A | 0.04 | 0.90 | 0.08 | 2.1E-01 | 33.2 | 0.01 | 0.02 | I/I | 1.8E-01 | 0.89 | 1.5E-01 | 0.89 | 0.67 |
| rs10134910 | 105110674 | G | A | 0.46 | 1.03 | 0.03 | 2.1E-01 | 2.13 | 0.05 | 0.49 | I/I | 3.5E-01 | 1.02 | 6.0E-01 | 1.01 | 0.84 |
| rs10147047 | 105110538 | C | T | 0.46 | 1.03 | 0.03 | 2.1E-01 | 2.13 | 0.05 | 0.49 | I/I | 3.5E-01 | 1.02 | 6.0E-01 | 1.01 | 0.84 |
| rs2582557 | 105348051 | G | A | 0.36 | 1.03 | 0.02 | 2.1E-01 | 0 | 0.04 | 0.32 | I/I | 7.4E-02 | 1.04 | 1.2E-01 | 1.03 | 0.97 |
| rs874753 | 105394663 | A | C | 0.47 | 1.03 | 0.02 | 2.1E-01 | 13.49 | <0.01 | 0.46 | I/I | 1.3E-01 | 1.03 | 1.5E-01 | 1.03 | 0.95 |
| rs6576068 | 105480102 | T | C | 0.18 | 1.03 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.17 | I/I | 2.6E-01 | 1.03 | 1.8E-01 | 1.04 | 0.98 |
| rs3923887 | 105480509 | C | T | 0.18 | 1.03 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.17 | I/I | 2.6E-01 | 1.03 | 1.8E-01 | 1.04 | 0.98 |
| rs4146329 | 105636545 | A | T | 0.40 | 1.03 | 0.02 | 2.1E-01 | 37.2 | <0.01 | 0.34 | I/I | 1.7E-01 | 1.03 | 1.8E-01 | 1.03 | 0.90 |
| rs3000771 | 105412561 | T | C | 0.37 | 1.03 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.34 | I/I | 9.2E-02 | 1.04 | 1.2E-01 | 1.04 | 0.69 |
| rs2013274 | 105417222 | T | C | 0.28 | 1.04 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.27 | I/I | 5.0E-02 | 1.06 | 6.0E-02 | 1.06 | 0.57 |
| rs8010873 | 105085457 | A | C | 0.23 | 0.97 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.27 | I/I | 2.0E-01 | 0.97 | 2.7E-01 | 0.97 | 0.93 |
| rs2494746 | 105257719 | G | C | 0.09 | 0.96 | 0.04 | 2.1E-01 | 0 | 0.04 | 0.09 | I/I | 1.0E+00 | 1.00 | 6.1E-01 | 1.02 | 0.89 |
| rs2304758 | 105344318 | A | G | 0.43 | 1.03 | 0.02 | 2.1E-01 | 8.19 | 0.04 | 0.39 | I/I | 4.2E-02 | 1.04 | 5.4E-02 | 1.04 | 0.98 |
| rs3204173 | 105476658 | C | T | 0.18 | 1.03 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.17 | I/I | 2.6E-01 | 1.03 | 1.8E-01 | 1.04 | 0.99 |
| rs2498789 | 105250045 | G | A | 0.10 | 1.04 | 0.04 | 2.1E-01 | 0 | 0.05 | 0.11 | I/I | 9.9E-01 | 1.00 | 6.0E-01 | 0.98 | 0.85 |
| rs34009344 | 105344419 | G | A | 0.43 | 1.03 | 0.02 | 2.1E-01 | 8.31 | 0.04 | 0.39 | I/I | 4.2E-02 | 1.04 | 5.5E-02 | 1.04 | 0.98 |
| rs3204172 | 105476853 | T | C | 0.18 | 1.03 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.17 | I/I | 2.6E-01 | 1.03 | 1.8E-01 | 1.04 | 0.99 |
| rs2494743 | 105251720 | C | T | 0.10 | 1.04 | 0.04 | 2.1E-01 | 0 | 0.05 | 0.10 | I/G | 9.5E-01 | 1.00 | 5.7E-01 | 0.98 | 0.88 |
| rs12896131 | 105498140 | G | A | 0.19 | 1.03 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.18 | I/I | 2.7E-01 | 1.03 | 1.8E-01 | 1.04 | 0.97 |
| rs28694394 | 105339968 | C | T | 0.39 | 1.03 | 0.02 | 2.1E-01 | 0 | 0.03 | 0.38 | I/I | 7.4E-02 | 1.04 | 1.1E-01 | 1.03 | 0.96 |
| rs1128840 | 105180706 | C | A | 0.21 | 0.97 | 0.03 | 2.1E-01 | 0 | <0.01 | 0.26 | I/I | 8.8E-01 | 1.00 | 6.4E-01 | 1.01 | 0.82 |
| rs2304756 | 105344533 | T | C | 0.43 | 1.03 | 0.02 | 2.1E-01 | 8.43 | 0.04 | 0.39 | I/I | 4.2E-02 | 1.04 | 5.5E-02 | 1.04 | 0.98 |
| rs2304755 | 105344568 | T | C | 0.43 | 1.03 | 0.02 | 2.2E-01 | 8.45 | 0.04 | 0.39 | I/I | 4.3E-02 | 1.04 | 5.5E-02 | 1.04 | 0.98 |
| rs55693321 | 105580798 | A | G | 0.11 | 0.95 | 0.04 | 2.2E-01 | 0 | <0.01 | 0.14 | I/I | 2.1E-01 | 0.95 | 2.0E-01 | 0.95 | 0.84 |
| rs28460540 | 105339560 | C | G | 0.49 | 1.03 | 0.02 | 2.2E-01 | 0 | 0.04 | 0.45 | I/I | 5.0E-02 | 1.04 | 5.2E-02 | 1.04 | 0.86 |
| rs61995980 | 105323016 | T | C | 0.44 | 1.03 | 0.02 | 2.2E-01 | 40.68 | 0.05 | 0.41 | I/I | 5.0E-02 | 1.04 | 6.2E-02 | 1.04 | 0.96 |
| rs78475567 | 105220078 | T | C | 0.05 | 1.07 | 0.05 | 2.2E-01 | 50.74 | 0.04 | 0.06 | I/I | 8.3E-01 | 1.01 | 2.8E-02 | 1.12 | 0.67 |
| rs2498787 | 105256581 | C | T | 0.09 | 0.96 | 0.04 | 2.2E-01 | 0 | 0.05 | 0.10 | I/I | 9.8E-01 | 1.00 | 5.9E-01 | 1.02 | 0.90 |
| rs11625777 | 105085077 | T | C | 0.23 | 0.97 | 0.03 | 2.2E-01 | 0 | <0.01 | 0.27 | G*/I | 2.0E-01 | 0.97 | 2.8E-01 | 0.97 | 0.93 |
| rs184279530 | 105115820 | T | C | 0.02 | 1.12 | 0.10 | 2.2E-01 | 0 | <0.01 | 0.01 | I/I | 4.7E-01 | 1.07 | 5.8E-01 | 1.06 | 0.81 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs7146872 | 105671418 | C | G | 0.29 | 1.03 | 0.02 | 2.2E-01 | 0 | <0.01 | 0.32 | I/I | 2.4E-01 | 1.03 | 2.6E-01 | 1.03 | 0.92 |
| rs7150561 | 105345035 | A | C | 0.43 | 1.03 | 0.02 | 2.2E-01 | 8.76 | 0.04 | 0.39 | I/I | 4.3E-02 | 1.04 | 5.5E-02 | 1.04 | 0.98 |
| rs7143466 | 105343593 | G | A | 0.41 | 1.03 | 0.02 | 2.2E-01 | 11 | 0.05 | 0.36 | I/I | 6.0E-02 | 1.04 | 8.2E-02 | 1.04 | 0.98 |
| rs4075086 | 105479490 | C | T | 0.18 | 1.03 | 0.03 | 2.2E-01 | 0 | <0.01 | 0.17 | I/I | 2.7E-01 | 1.03 | 1.8E-01 | 1.04 | 0.98 |
| rs61995995 | 105344293 | T | C | 0.43 | 1.03 | 0.02 | 2.2E-01 | 8.36 | 0.04 | 0.39 | I/I | 4.3E-02 | 1.04 | 5.6E-02 | 1.04 | 0.98 |
| rs7145273 | 105081374 | A | C | 0.23 | 0.97 | 0.03 | 2.2E-01 | 0 | <0.01 | 0.26 | I/I | 2.0E-01 | 0.97 | 2.8E-01 | 0.97 | 0.93 |
| rs2582567 | 105459924 | G | A | 0.18 | 1.03 | 0.03 | 2.2E-01 | 0 | <0.01 | 0.17 | I/I | 2.7E-01 | 1.03 | 1.8E-01 | 1.04 | 0.99 |
| rs2304757 | 105344347 | G | C | 0.43 | 1.03 | 0.02 | 2.2E-01 | 8.12 | 0.04 | 0.39 | I/I | 4.3E-02 | 1.04 | 5.6E-02 | 1.04 | 0.98 |
| rs2841280 | 105393556 | C | G | 0.47 | 0.97 | 0.02 | 2.2E-01 | 62.88 | <0.01 | 0.49 | I/I | 1.5E-01 | 0.97 | 1.9E-01 | 0.97 | 0.97 |
| rs11160829 | 105481927 | T | C | 0.18 | 1.03 | 0.03 | 2.2E-01 | 0 | <0.01 | 0.17 | I/I | 2.7E-01 | 1.03 | 1.8E-01 | 1.04 | 0.98 |
| rs111298327 | 105338889 | T | C | 0.01 | 0.86 | 0.12 | 2.2E-01 | 0 | <0.01 | 0.02 | I/I | 2.6E-01 | 0.87 | 2.4E-01 | 0.87 | 0.68 |
| rs59766306 | 105149067 | C | A | 0.03 | 1.10 | 0.08 | 2.2E-01 | 0 | 0.04 | 0.02 | I/I | 3.9E-01 | 1.07 | 5.3E-01 | 1.05 | 0.56 |
| rs10138409 | 105132771 | C | T | 0.15 | 1.05 | 0.04 | 2.2E-01 | 0 | <0.01 | 0.15 | I/I | 5.5E-01 | 1.02 | 5.5E-01 | 1.02 | 0.73 |
| rs8020062 | 105538299 | T | C | 0.29 | 1.03 | 0.02 | 2.2E-01 | 10.9 | <0.01 | 0.27 | I/I | 2.4E-01 | 1.03 | 1.4E-01 | 1.04 | 0.94 |
| rs11160830 | 105481988 | G | A | 0.18 | 1.03 | 0.03 | 2.2E-01 | 0 | <0.01 | 0.17 | I/I | 2.7E-01 | 1.03 | 1.8E-01 | 1.04 | 0.98 |
| rs58541277 | 105056247 | C | T | 0.24 | 1.04 | 0.03 | 2.2E-01 | 0 | 0.03 | 0.26 | I/I | 2.2E-01 | 1.04 | 2.0E-01 | 1.04 | 0.86 |
| rs111327615 | 105163427 | T | C | 0.15 | 1.04 | 0.03 | 2.2E-01 | 0 | 0.15 | 0.19 | I/I | 6.4E-01 | 1.01 | 8.5E-01 | 0.99 | 0.88 |
| rs7157491 | 104995563 | G | A | 0.29 | 0.97 | 0.03 | 2.2E-01 | 0 | <0.01 | 0.28 | I/I | 1.9E-01 | 0.96 | 1.3E-01 | 0.96 | 0.86 |
| rs12889498 | 105302536 | A | G | 0.20 | 0.96 | 0.03 | 2.2E-01 | 77.06 | 0.01 | 0.17 | I/I | 1.6E-01 | 0.96 | 2.6E-01 | 0.97 | 0.75 |
| rs34499888 | 105411153 | A | G | 0.45 | 1.03 | 0.02 | 2.2E-01 | 18.2 | <0.01 | 0.46 | I/I | 1.3E-01 | 1.03 | 1.5E-01 | 1.03 | 0.90 |
| rs4309336 | 105482373 | T | A | 0.18 | 1.03 | 0.03 | 2.2E-01 | 0 | <0.01 | 0.17 | I/I | 2.7E-01 | 1.03 | 1.9E-01 | 1.04 | 0.98 |
| rs28534935 | 105583264 | C | T | 0.12 | 0.95 | 0.04 | 2.2E-01 | 0 | <0.01 | 0.14 | I/I | 2.1E-01 | 0.95 | 2.2E-01 | 0.95 | 0.85 |
| rs12147593 | 105100625 | A | G | 0.05 | 1.07 | 0.06 | 2.2E-01 | 0 | <0.01 | 0.02 | I/I | 6.2E-01 | 1.03 | 1.0E-01 | 1.10 | 0.78 |
| rs12889174 | 105302400 | A | G | 0.20 | 0.96 | 0.03 | 2.2E-01 | 77.06 | 0.01 | 0.17 | I/I | 1.6E-01 | 0.96 | 2.6E-01 | 0.97 | 0.75 |
| rs7153053 | 105150273 | T | C | 0.42 | 1.03 | 0.03 | 2.2E-01 | 20.4 | <0.01 | 0.43 | I/I | 7.9E-01 | 1.01 | 7.3E-01 | 1.01 | 0.67 |
| rs2119394 | 105341100 | A | T | 0.36 | 1.03 | 0.02 | 2.2E-01 | 0 | 0.04 | 0.34 | I/I | 9.2E-02 | 1.04 | 1.5E-01 | 1.03 | 0.99 |
| rs57566178 | 105507382 | T | C | 0.11 | 0.96 | 0.03 | 2.2E-01 | 0 | <0.01 | 0.10 | I/I | 1.9E-01 | 0.96 | 1.3E-01 | 0.95 | 0.96 |
| rs111800069 | 104886682 | G | T | 0.04 | 1.10 | 0.08 | 2.2E-01 | 0 | <0.01 | 0.05 | I/I | 2.3E-01 | 1.09 | 1.7E-01 | 1.11 | 0.51 |
| rs8010782 | 105672250 | T | C | 0.29 | 1.03 | 0.02 | 2.2E-01 | 0 | <0.01 | 0.32 | I/I | 2.5E-01 | 1.03 | 2.8E-01 | 1.03 | 0.92 |
| rs142502252 | 105691007 | T | C | 0.02 | 0.87 | 0.11 | 2.3E-01 | 56.5 | 0.01 | 0.02 | I/I | 2.4E-01 | 0.88 | 2.0E-01 | 0.86 | 0.68 |
| rs12881514 | 105570467 | G | T | 0.12 | 1.04 | 0.04 | 2.3E-01 | 0 | <0.01 | 0.13 | I/I | 2.9E-01 | 1.04 | 2.0E-01 | 1.05 | 0.90 |
| rs10147051 | 105110551 | C | T | 0.14 | 1.05 | 0.04 | 2.3E-01 | 40.87 | <0.01 | 0.14 | I/I | 2.4E-01 | 1.04 | 3.2E-01 | 1.04 | 0.84 |
| rs10146871 | 105110417 | C | T | 0.14 | 1.05 | 0.04 | 2.3E-01 | 40.82 | <0.01 | 0.14 | I/I | 2.4E-01 | 1.04 | 3.2E-01 | 1.04 | 0.84 |
| rs8011377 | 105475270 | T | C | 0.18 | 1.03 | 0.03 | 2.3E-01 | 0 | <0.01 | 0.17 | I/I | 2.8E-01 | 1.03 | 1.9E-01 | 1.04 | 0.98 |
| rs76459533 | 105191310 | T | G | 0.01 | 0.85 | 0.14 | 2.3E-01 | 0 | <0.01 | 0.02 | I/I | 6.0E-01 | 0.93 | 4.2E-01 | 0.90 | 0.50 |
| rs7158362 | 105276036 | G | A | 0.16 | 0.96 | 0.03 | 2.3E-01 | 0 | 0.09 | 0.16 | I/I | 8.4E-01 | 0.99 | 9.1E-01 | 1.00 | 0.65 |
| rs59950617 | 105145853 | G | C | 0.06 | 1.06 | 0.05 | 2.3E-01 | 37.12 | 0.01 | 0.06 | I/I | 1.2E-01 | 1.07 | 2.0E-01 | 1.06 | 0.90 |
| rs4359377 | 105500152 | A | G | 0.34 | 1.03 | 0.02 | 2.3E-01 | 0 | <0.01 | 0.33 | I/I | 1.9E-01 | 1.03 | 9.3E-02 | 1.04 | 0.99 |
| rs8005029 | 105686852 | A | G | 0.28 | 1.03 | 0.02 | 2.3E-01 | 0 | <0.01 | 0.32 | I/I | 2.5E-01 | 1.03 | 2.7E-01 | 1.03 | 0.94 |
| rs8008979 | 105486931 | A | G | 0.11 | 0.96 | 0.03 | 2.3E-01 | 0 | <0.01 | 0.11 | I/I | 2.0E-01 | 0.96 | 1.3E-01 | 0.95 | 0.95 |
| rs72702027 | 105414629 | A | G | 0.47 | 1.03 | 0.02 | 2.3E-01 | 60.93 | <0.01 | 0.49 | I/I | 1.6E-01 | 1.03 | 2.0E-01 | 1.03 | 0.94 |
| rs4983389 | 105323685 | A | G | 0.44 | 1.03 | 0.02 | 2.3E-01 | 41.24 | 0.05 | 0.41 | I/I | 5.5E-02 | 1.04 | 6.7E-02 | 1.04 | 0.96 |
| rs4334222 | 105163142 | G | A | 0.44 | 1.03 | 0.02 | 2.3E-01 | 21.2 | 0.13 | 0.42 | I/I | 2.2E-01 | 0.97 | 4.2E-01 | 0.98 | 0.88 |
| rs4247031 | 105181851 | T | C | 0.47 | 0.97 | 0.02 | 2.3E-01 | 0 | 0.07 | 0.46 | I/I | 6.1E-01 | 1.01 | 8.3E-01 | 1.00 | 0.92 |
| rs71421302 | 105291928 | C | T | 0.08 | 0.94 | 0.05 | 2.3E-01 | 45.19 | <0.01 | 0.04 | I/I | 4.3E-01 | 0.96 | 1.4E-01 | 0.92 | 0.48 |
| rs3809464 | 105533699 | C | G | 0.29 | 1.03 | 0.02 | 2.3E-01 | 0 | <0.01 | 0.27 | I/I | 2.3E-01 | 1.03 | 1.2E-01 | 1.04 | 0.94 |
| rs8022294 | 105469626 | A | G | 0.18 | 1.03 | 0.03 | 2.3E-01 | 0 | <0.01 | 0.17 | I/I | 2.9E-01 | 1.03 | 2.0E-01 | 1.04 | 0.99 |
| rs3803322 | 105518336 | T | G | 0.06 | 0.95 | 0.05 | 2.3E-01 | 51.5 | <0.01 | 0.06 | G*/I | 2.6E-01 | 0.95 | 2.4E-01 | 0.95 | 0.91 |
| rs8270 | 105675701 | A | C | 0.28 | 1.03 | 0.02 | 2.3E-01 | 0 | <0.01 | 0.32 | G*/I | 2.5E-01 | 1.03 | 2.8E-01 | 1.03 | 0.94 |
| rs56118449 | 105342846 | T | A | 0.44 | 1.03 | 0.02 | 2.3E-01 | 32.75 | 0.04 | 0.41 | I/I | 5.5E-02 | 1.04 | 6.8E-02 | 1.04 | 0.98 |
| rs116996185 | 105164285 | A | G | 0.04 | 1.07 | 0.06 | 2.3E-01 | 0 | 0.03 | 0.05 | I/I | 7.7E-01 | 1.02 | 4.2E-02 | 1.13 | 0.63 |
| rs56168451 | 105580883 | A | G | 0.11 | 0.95 | 0.04 | 2.3E-01 | 0 | <0.01 | 0.14 | I/I | 2.2E-01 | 0.95 | 2.1E-01 | 0.95 | 0.85 |
| rs12889014 | 105171258 | T | C | 0.21 | 0.97 | 0.03 | 2.3E-01 | 0 | 0.08 | 0.21 | I/I | 1.2E-01 | 0.96 | 8.1E-01 | 1.01 | 0.89 |
| rs7158032 | 104995838 | G | A | 0.29 | 0.97 | 0.03 | 2.3E-01 | 0 | <0.01 | 0.26 | I/I | 2.0E-01 | 0.96 | 1.3E-01 | 0.96 | 0.86 |
| rs11160824 | 105371729 | A | G | 0.43 | 1.03 | 0.03 | 2.3E-01 | 51.6 | 0.02 | 0.36 | I/I | 9.5E-02 | 1.04 | 9.1E-02 | 1.04 | 0.72 |
| rs2582514 | 105413204 | T | G | 0.49 | 1.03 | 0.02 | 2.3E-01 | 63.05 | <0.01 | 0.48 | I/I | 1.8E-01 | 1.03 | 2.2E-01 | 1.03 | 0.85 |
| rs59411735 | 104832933 | T | A | 0.21 | 0.96 | 0.03 | 2.3E-01 | 0 | <0.01 | 0.23 | I/I | 3.2E-01 | 0.97 | 2.9E-01 | 0.97 | 0.84 |
| rs56191719 | 105580541 | C | T | 0.11 | 0.95 | 0.04 | 2.3E-01 | 0 | <0.01 | 0.14 | I/I | 2.2E-01 | 0.95 | 2.1E-01 | 0.95 | 0.84 |
| rs59481248 | 104834504 | G | C | 0.21 | 0.96 | 0.03 | 2.3E-01 | 0 | <0.01 | 0.23 | I/I | 3.3E-01 | 0.97 | 2.9E-01 | 0.97 | 0.84 |
| rs9806113 | 105694857 | G | A | 0.09 | 0.94 | 0.05 | 2.3E-01 | 69.98 | <0.01 | 0.13 | I/I | 1.9E-01 | 0.94 | 2.0E-01 | 0.94 | 0.59 |
| rs12232105 | 105506249 | G | A | 0.11 | 0.96 | 0.03 | 2.3E-01 | 0 | <0.01 | 0.10 | I/I | 2.1E-01 | 0.96 | 1.4E-01 | 0.95 | 0.96 |
| rs74088728 | 104946356 | A | G | 0.06 | 1.06 | 0.05 | 2.3E-01 | 29.44 | 0.01 | 0.02 | I/I | 2.1E-01 | 1.06 | 2.2E-01 | 1.06 | 0.84 |
| rs60562761 | 105521340 | G | A | 0.30 | 1.03 | 0.02 | 2.4E-01 | 0 | <0.01 | 0.26 | I/I | 2.7E-01 | 1.03 | 1.5E-01 | 1.04 | 0.85 |
| rs2582533 | 105398787 | C | G | 0.46 | 1.03 | 0.02 | 2.4E-01 | 63.83 | <0.01 | 0.48 | I/I | 1.5E-01 | 1.03 | 2.0E-01 | 1.03 | 0.97 |
| rs10873553 | 105462570 | G | C | 0.18 | 1.03 | 0.03 | 2.4E-01 | 0 | <0.01 | 0.17 | I/I | 2.9E-01 | 1.03 | 2.0E-01 | 1.04 | 0.99 |
| rs111771947 | 104953954 | G | A | 0.06 | 1.06 | 0.05 | 2.4E-01 | 30.73 | <0.01 | 0.02 | I/I | 2.0E-01 | 1.06 | 2.2E-01 | 1.06 | 0.87 |
| rs7157567 | 105522201 | T | C | 0.29 | 1.03 | 0.02 | 2.4E-01 | 0 | <0.01 | 0.28 | I/I | 2.5E-01 | 1.03 | 1.4E-01 | 1.04 | 0.94 |
| rs4304960 | 105581048 | G | A | 0.12 | 1.04 | 0.04 | 2.4E-01 | 0 | <0.01 | 0.13 | I/I | 3.0E-01 | 1.04 | 2.2E-01 | 1.04 | 0.90 |
| rs61998902 | 105186323 | G | A | 0.12 | 1.04 | 0.03 | 2.4E-01 | 0 | <0.01 | 0.11 | I/I | 7.2E-01 | 0.99 | 2.8E-01 | 0.96 | 0.89 |
| rs28373763 | 104942807 | G | A | 0.20 | 1.03 | 0.03 | 2.4E-01 | 0 | <0.01 | 0.26 | I/I | 3.1E-01 | 1.03 | 2.6E-01 | 1.03 | 0.97 |
| rs12880486 | 105084774 | T | C | 0.23 | 0.97 | 0.03 | 2.4E-01 | 0 | <0.01 | 0.27 | I/I | 2.2E-01 | 0.97 | 3.0E-01 | 0.97 | 0.94 |
| rs4983509 | 105097438 | C | T | 0.16 | 1.04 | 0.04 | 2.4E-01 | 50.29 | 0.01 | 0.16 | I/I | 2.1E-01 | 1.05 | 3.0E-01 | 1.04 | 0.79 |
| rs7159235 | 105673692 | C | A | 0.29 | 1.03 | 0.02 | 2.4E-01 | 0 | <0.01 | 0.32 | I/I | 2.6E-01 | 1.03 | 2.9E-01 | 1.03 | 0.93 |
| rs4146327 | 105636674 | A | G | 0.10 | 0.95 | 0.04 | 2.4E-01 | 16.37 | <0.01 | 0.11 | I/I | 3.4E-01 | 0.96 | 3.4E-01 | 0.96 | 0.83 |
| rs11848564 | 105413790 | A | G | 0.48 | 1.03 | 0.02 | 2.4E-01 | 19.53 | <0.01 | 0.47 | I/I | 1.5E-01 | 1.03 | 1.7E-01 | 1.03 | 0.93 |
| rs34235655 | 105557662 | G | T | 0.33 | 1.03 | 0.02 | 2.4E-01 | 56.93 | <0.01 | 0.30 | I/I | 2.5E-01 | 1.03 | 1.6E-01 | 1.04 | 0.89 |
| rs1036713 | 105396693 | C | G | 0.46 | 1.03 | 0.02 | 2.4E-01 | 63.83 | <0.01 | 0.49 | I/I | 1.6E-01 | 1.03 | 2.0E-01 | 1.03 | 0.97 |
| rs10145566 | 105415200 | C | G | 0.47 | 1.03 | 0.02 | 2.4E-01 | 17.94 | <0.01 | 0.45 | I/I | 1.5E-01 | 1.03 | 1.7E-01 | 1.03 | 0.91 |
| rs4983514 | 105108578 | G | A | 0.14 | 1.04 | 0.04 | 2.4E-01 | 39.55 | <0.01 | 0.14 | I/I | 2.6E-01 | 1.04 | 3.4E-01 | 1.04 | 0.84 |
| rs7140920 | 105505003 | C | T | 0.35 | 1.03 | 0.02 | 2.4E-01 | 0 | <0.01 | 0.34 | I/I | 2.0E-01 | 1.03 | 9.6E-02 | 1.04 | 0.97 |
| rs879448 | 105393707 | T | C | 0.47 | 1.03 | 0.02 | 2.4E-01 | 22.45 | <0.01 | 0.46 | I/I | 1.5E-01 | 1.03 | 1.7E-01 | 1.03 | 0.95 |
| rs6576046 | 105000775 | C | A | 0.28 | 0.97 | 0.03 | 2.4E-01 | 0 | <0.01 | 0.26 | I/I | 2.2E-01 | 0.97 | 1.6E-01 | 0.96 | 0.87 |
| rs11844343 | 105340130 | T | C | 0.39 | 1.03 | 0.02 | 2.4E-01 | 0 | 0.04 | 0.38 | I/I | 7.8E-02 | 1.04 | 1.2E-01 | 1.03 | 0.98 |
| rs55780149 | 105543220 | T | C | 0.32 | 1.03 | 0.02 | 2.4E-01 | 41.05 | <0.01 | 0.30 | I/I | 2.4E-01 | 1.03 | 1.5E-01 | 1.04 | 0.91 |
| rs73345596 | 105175387 | T | C | 0.16 | 1.04 | 0.03 | 2.4E-01 | 62.92 | 0.06 | 0.17 | I/I | 5.3E-01 | 1.02 | 9.9E-01 | 1.00 | 0.77 |
| rs7147888 | 105680414 | A | G | 0.29 | 1.03 | 0.02 | 2.4E-01 | 0 | <0.01 | 0.32 | I/I | 2.7E-01 | 1.03 | 2.9E-01 | 1.03 | 0.94 |
| rs141570645 | 105121579 | T | G | 0.03 | 1.09 | 0.07 | 2.4E-01 | 22.99 | <0.01 | 0.02 | I/I | 2.9E-01 | 1.08 | 4.2E-01 | 1.06 | 0.65 |
| rs11626561 | 105575288 | A | G | 0.15 | 1.04 | 0.03 | 2.4E-01 | 25 | <0.01 | 0.16 | I/I | 2.7E-01 | 1.04 | 3.4E-01 | 1.03 | 0.87 |
| rs4393510 | 105162257 | T | C | 0.43 | 1.03 | 0.02 | 2.4E-01 | 13.25 | 0.13 | 0.42 | I/I | 1.9E-01 | 0.97 | 4.5E-01 | 0.98 | 0.87 |
| rs4983401 | 105005593 | C | T | 0.17 | 1.04 | 0.03 | 2.4E-01 | 12.93 | <0.01 | 0.12 | I/I | 3.3E-01 | 1.03 | 4.1E-01 | 1.03 | 0.80 |
| rs149134261 | 105423891 | A | G | 0.04 | 1.10 | 0.08 | 2.4E-01 | 0 | <0.01 | 0.04 | I/I | 3.4E-01 | 1.08 | 4.1E-01 | 1.07 | 0.50 |
| rs4983390 | 105333644 | T | C | 0.44 | 1.02 | 0.02 | 2.4E-01 | 47.86 | 0.05 | 0.41 | I/I | 5.9E-02 | 1.04 | 7.3E-02 | 1.04 | 0.98 |
| rs4983575 | 104989860 | C | T | 0.21 | 0.96 | 0.03 | 2.4E-01 | 75.5 | <0.01 | 0.18 | I/I | 1.6E-01 | 0.96 | 1.8E-01 | 0.96 | 0.86 |
| rs2582569 | 105458512 | C | T | 0.18 | 1.03 | 0.03 | 2.4E-01 | 0 | <0.01 | 0.17 | I/I | 2.9E-01 | 1.03 | 2.1E-01 | 1.04 | 0.98 |
| rs7141972 | 105473696 | C | G | 0.18 | 1.03 | 0.03 | 2.4E-01 | 0 | <0.01 | 0.17 | I/I | 3.0E-01 | 1.03 | 2.1E-01 | 1.04 | 0.98 |
| rs2028416 | 105348552 | T | C | 0.43 | 1.02 | 0.02 | 2.4E-01 | 0 | 0.04 | 0.40 | G/G | 5.5E-02 | 1.04 | 7.0E-02 | 1.04 | 1.00 |
| rs7151317 | 104891771 | T | C | 0.03 | 1.10 | 0.08 | 2.4E-01 | 25.02 | <0.01 | 0.01 | I/I | 1.9E-01 | 1.11 | 2.2E-01 | 1.11 | 0.66 |
| rs12589717 | 105056239 | A | G | 0.11 | 1.04 | 0.04 | 2.4E-01 | 11.3 | 0.02 | 0.13 | I/I | 3.1E-01 | 1.04 | 3.9E-01 | 1.03 | 0.86 |
| rs78409849 | 105127935 | A | G | 0.03 | 1.09 | 0.07 | 2.4E-01 | 38.89 | 0.01 | 0.03 | I/I | 1.2E-01 | 1.12 | 1.9E-01 | 1.10 | 0.77 |
| rs7145885 | 105528940 | T | C | 0.31 | 1.03 | 0.02 | 2.4E-01 | 0 | <0.01 | 0.28 | I/I | 2.6E-01 | 1.03 | 1.4E-01 | 1.04 | 0.90 |
| rs2013445 | 105417147 | G | A | 0.49 | 1.03 | 0.02 | 2.5E-01 | 31.22 | <0.01 | 0.49 | I/I | 9.0E-02 | 1.04 | 1.5E-01 | 1.04 | 0.78 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs7147669 | 105523817 | A | G | 0.29 | 1.03 | 0.02 | 2.5E-01 | 0 | <0.01 | 0.27 | I/I | 2.6E-01 | 1.03 | 1.4E-01 | 1.04 | 0.94 |
| rs12885313 | 105562732 | G | A | 0.37 | 1.03 | 0.02 | 2.5E-01 | 59.27 | <0.01 | 0.34 | I/I | 2.7E-01 | 1.03 | 1.8E-01 | 1.03 | 0.84 |
| rs4429223 | 105482279 | G | C | 0.18 | 1.03 | 0.03 | 2.5E-01 | 0 | <0.01 | 0.17 | I/I | 3.1E-01 | 1.03 | 2.0E-01 | 1.04 | 0.97 |
| rs2247140 | 105457771 | G | A | 0.18 | 1.03 | 0.03 | 2.5E-01 | 0 | <0.01 | 0.16 | I/I | 3.0E-01 | 1.03 | 2.1E-01 | 1.03 | 0.98 |
| rs35966880 | 105529530 | T | A | 0.29 | 1.03 | 0.02 | 2.5E-01 | 0 | <0.01 | 0.28 | I/I | 2.6E-01 | 1.03 | 1.5E-01 | 1.04 | 0.95 |
| rs142383191 | 105616522 | T | C | 0.02 | 1.12 | 0.10 | 2.5E-01 | 4.11 | <0.01 | 0.05 | I/I | 1.7E-01 | 1.14 | 1.3E-01 | 1.16 | 0.55 |
| rs34736195 | 105485094 | A | G | 0.12 | 0.96 | 0.03 | 2.5E-01 | 0 | <0.01 | 0.12 | I/I | 2.3E-01 | 0.96 | 1.5E-01 | 0.95 | 0.90 |
| rs7159920 | 105510027 | T | G | 0.33 | 1.03 | 0.02 | 2.5E-01 | 0 | <0.01 | 0.32 | I/I | 2.1E-01 | 1.03 | 1.0E-01 | 1.04 | 0.97 |
| rs4983376 | 105097587 | A | T | 0.15 | 1.04 | 0.04 | 2.5E-01 | 51.51 | 0.01 | 0.16 | I/I | 2.2E-01 | 1.05 | 3.1E-01 | 1.04 | 0.81 |
| rs6576030 | 104789894 | A | G | 0.32 | 0.97 | 0.03 | 2.5E-01 | 0 | <0.01 | 0.26 | I/I | 2.6E-01 | 0.97 | 2.6E-01 | 0.97 | 0.85 |
| rs28593146 | 105584431 | G | A | 0.12 | 0.96 | 0.04 | 2.5E-01 | 0 | <0.01 | 0.14 | I/I | 2.3E-01 | 0.95 | 2.4E-01 | 0.95 | 0.85 |
| rs34116292 | 105520675 | T | C | 0.29 | 1.03 | 0.02 | 2.5E-01 | 0 | <0.01 | 0.27 | I/I | 2.6E-01 | 1.03 | 1.5E-01 | 1.04 | 0.94 |
| rs56270718 | 105580677 | A | G | 0.11 | 0.95 | 0.04 | 2.5E-01 | 0 | <0.01 | 0.14 | I/I | 2.4E-01 | 0.95 | 2.3E-01 | 0.95 | 0.84 |
| rs143357719 | 104896897 | A | C | 0.02 | 1.11 | 0.09 | 2.5E-01 | 0 | <0.01 | 0.04 | I/I | 2.9E-01 | 1.11 | 2.8E-01 | 1.11 | 0.70 |
| rs72709736 | 105695932 | G | A | 0.11 | 1.06 | 0.05 | 2.5E-01 | 4.99 | <0.01 | 0.09 | I/I | 2.8E-01 | 1.05 | 4.4E-01 | 1.04 | 0.49 |
| rs61998907 | 105187469 | A | G | 0.46 | 0.97 | 0.02 | 2.5E-01 | 14.73 | 0.08 | 0.47 | I/I | 5.9E-01 | 1.01 | 8.4E-01 | 1.00 | 0.92 |
| rs45531934 | 105244651 | T | C | 0.06 | 1.05 | 0.04 | 2.5E-01 | 49.96 | 0.07 | 0.06 | I/G | 8.3E-01 | 1.01 | 8.2E-01 | 0.99 | 0.68 |
| rs28499318 | 105582863 | T | C | 0.11 | 0.95 | 0.04 | 2.5E-01 | 0 | <0.01 | 0.14 | I/I | 2.4E-01 | 0.95 | 2.3E-01 | 0.95 | 0.86 |
| rs34882611 | 105542298 | A | G | 0.33 | 1.03 | 0.02 | 2.5E-01 | 44.06 | <0.01 | 0.31 | I/I | 2.5E-01 | 1.03 | 1.5E-01 | 1.04 | 0.91 |
| rs8014447 | 105575854 | G | A | 0.35 | 1.03 | 0.02 | 2.5E-01 | 0 | <0.01 | 0.36 | I/I | 2.9E-01 | 1.03 | 1.9E-01 | 1.03 | 0.86 |
| rs10140600 | 104840804 | A | G | 0.23 | 0.97 | 0.03 | 2.5E-01 | 0 | <0.01 | 0.23 | I/I | 2.9E-01 | 0.97 | 2.4E-01 | 0.97 | 0.84 |
| rs28560192 | 105581095 | T | C | 0.11 | 0.95 | 0.04 | 2.5E-01 | 0 | <0.01 | 0.14 | I/I | 2.4E-01 | 0.95 | 2.3E-01 | 0.95 | 0.85 |
| rs9788527 | 105054260 | G | A | 0.11 | 1.05 | 0.04 | 2.5E-01 | 0 | <0.01 | 0.12 | I/I | 4.0E-01 | 1.03 | 4.7E-01 | 1.03 | 0.81 |
| rs10147635 | 105303199 | G | C | 0.32 | 0.96 | 0.03 | 2.5E-01 | 0 | <0.01 | 0.36 | I/I | 8.6E-02 | 0.95 | 1.6E-01 | 0.96 | 0.46 |
| rs2582531 | 105392533 | C | A | 0.49 | 0.98 | 0.02 | 2.5E-01 | 51.02 | <0.01 | 0.48 | I/I | 1.5E-01 | 0.97 | 1.7E-01 | 0.97 | 0.97 |
| rs148480125 | 105219124 | T | C | 0.03 | 0.91 | 0.09 | 2.5E-01 | 0 | 0.01 | 0.01 | I/I | 8.6E-01 | 1.02 | 7.2E-01 | 0.97 | 0.48 |
| rs72705790 | 105582180 | A | G | 0.11 | 0.95 | 0.04 | 2.5E-01 | 0 | <0.01 | 0.14 | I/I | 2.4E-01 | 0.95 | 2.3E-01 | 0.95 | 0.86 |
| rs78252573 | 105122187 | A | G | 0.02 | 1.11 | 0.09 | 2.5E-01 | 0 | <0.01 | 0.01 | I/I | 5.2E-01 | 1.06 | 6.4E-01 | 1.04 | 0.81 |
| rs10149501 | 105581973 | G | A | 0.11 | 0.95 | 0.04 | 2.5E-01 | 0 | <0.01 | 0.14 | I/I | 2.4E-01 | 0.95 | 2.3E-01 | 0.95 | 0.85 |
| rs10145270 | 105349891 | A | G | 0.43 | 1.02 | 0.02 | 2.5E-01 | 0 | 0.04 | 0.41 | I/I | 5.3E-02 | 1.04 | 6.9E-02 | 1.04 | 0.98 |
| rs4636848 | 104787848 | A | C | 0.31 | 0.97 | 0.03 | 2.5E-01 | 0 | <0.01 | 0.26 | I/I | 2.7E-01 | 0.97 | 2.6E-01 | 0.97 | 0.85 |
| rs72707689 | 105638217 | T | C | 0.11 | 0.95 | 0.04 | 2.5E-01 | 0 | <0.01 | 0.15 | I/I | 3.4E-01 | 0.96 | 3.4E-01 | 0.96 | 0.86 |
| rs7151529 | 105581295 | A | G | 0.11 | 0.95 | 0.04 | 2.5E-01 | 0 | <0.01 | 0.14 | I/I | 2.4E-01 | 0.95 | 2.4E-01 | 0.95 | 0.85 |
| rs28674855 | 104942722 | G | A | 0.20 | 1.03 | 0.03 | 2.5E-01 | 0 | <0.01 | 0.26 | I/I | 3.3E-01 | 1.03 | 2.7E-01 | 1.03 | 0.97 |
| rs11625737 | 105586439 | T | C | 0.13 | 1.04 | 0.04 | 2.5E-01 | 17.28 | <0.01 | 0.12 | I/I | 2.9E-01 | 1.04 | 3.9E-01 | 1.03 | 0.90 |
| rs144884533 | 105124210 | G | T | 0.02 | 1.11 | 0.09 | 2.5E-01 | 0 | <0.01 | 0.01 | I/I | 5.1E-01 | 1.06 | 6.3E-01 | 1.05 | 0.82 |
| rs56054225 | 105190061 | A | G | 0.20 | 0.97 | 0.03 | 2.5E-01 | 0 | 0.11 | 0.20 | I/I | 1.5E-01 | 0.96 | 6.0E-01 | 1.02 | 0.86 |
| rs74090132 | 105423361 | C | T | 0.04 | 0.91 | 0.09 | 2.5E-01 | 37.96 | 0.01 | 0.02 | I/I | 2.2E-01 | 0.90 | 1.8E-01 | 0.89 | 0.67 |
| rs2735798 | 105636719 | A | G | 0.02 | 0.87 | 0.12 | 2.5E-01 | 0 | 0.03 | 0.04 | I/I | 1.5E-01 | 0.84 | 1.6E-01 | 0.84 | 0.53 |
| rs2582495 | 105322534 | A | G | 0.45 | 1.02 | 0.02 | 2.6E-01 | 34.92 | 0.05 | 0.42 | I/I | 5.5E-02 | 1.04 | 8.6E-02 | 1.04 | 0.93 |
| rs9672139 | 105408182 | G | T | 0.50 | 1.02 | 0.02 | 2.6E-01 | 51.84 | <0.01 | 0.49 | I/I | 1.5E-01 | 1.03 | 1.8E-01 | 1.03 | 0.97 |
| rs7146454 | 105170003 | G | T | 0.22 | 0.97 | 0.03 | 2.6E-01 | 0 | 0.10 | 0.21 | G*/I | 1.9E-01 | 0.96 | 6.8E-01 | 1.01 | 0.91 |
| rs12880814 | 105054934 | G | A | 0.11 | 1.05 | 0.04 | 2.6E-01 | 0 | <0.01 | 0.12 | I/I | 4.1E-01 | 1.03 | 4.7E-01 | 1.03 | 0.83 |
| rs2816676 | 105607203 | C | T | 0.11 | 1.04 | 0.04 | 2.6E-01 | 0 | <0.01 | 0.08 | I/I | 2.6E-01 | 1.04 | 1.9E-01 | 1.05 | 0.88 |
| rs10137814 | 105088609 | A | G | 0.25 | 0.97 | 0.02 | 2.6E-01 | 0 | <0.01 | 0.26 | I/I | 1.7E-01 | 0.97 | 2.4E-01 | 0.97 | 0.86 |
| rs11624335 | 105590864 | A | G | 0.13 | 1.04 | 0.04 | 2.6E-01 | 18.45 | <0.01 | 0.12 | G*/I | 2.9E-01 | 1.04 | 3.9E-01 | 1.03 | 0.90 |
| rs61592395 | 104832713 | C | A | 0.22 | 0.96 | 0.03 | 2.6E-01 | 0 | <0.01 | 0.24 | I/I | 3.4E-01 | 0.97 | 3.1E-01 | 0.97 | 0.84 |
| rs72705796 | 105590369 | T | G | 0.13 | 1.04 | 0.04 | 2.6E-01 | 18.19 | <0.01 | 0.12 | G*/I | 2.9E-01 | 1.04 | 3.9E-01 | 1.03 | 0.90 |
| rs12886191 | 105191400 | T | C | 0.16 | 0.97 | 0.03 | 2.6E-01 | 14 | 0.05 | 0.10 | I/I | 8.4E-02 | 0.95 | 8.1E-01 | 1.01 | 0.81 |
| rs2841217 | 105322529 | C | G | 0.45 | 1.02 | 0.02 | 2.6E-01 | 34.48 | 0.05 | 0.42 | I/I | 5.5E-02 | 1.04 | 8.7E-02 | 1.04 | 0.93 |
| rs12431850 | 105335049 | T | C | 0.44 | 1.02 | 0.02 | 2.6E-01 | 47.25 | 0.05 | 0.41 | I/I | 6.7E-02 | 1.04 | 8.2E-02 | 1.04 | 0.97 |
| rs2033932 | 105447075 | T | C | 0.18 | 0.97 | 0.03 | 2.6E-01 | 0 | <0.01 | 0.17 | I/I | 2.2E-01 | 0.97 | 1.4E-01 | 0.96 | 0.91 |
| rs76814181 | 105064501 | A | G | 0.08 | 1.05 | 0.04 | 2.6E-01 | 52.18 | <0.01 | 0.09 | I/I | 2.2E-01 | 1.05 | 2.3E-01 | 1.05 | 0.92 |
| rs4633652 | 105675110 | T | C | 0.28 | 1.03 | 0.02 | 2.6E-01 | 0 | <0.01 | 0.32 | I/I | 2.9E-01 | 1.03 | 3.1E-01 | 1.03 | 0.93 |
| rs10134946 | 105654606 | T | C | 0.34 | 1.03 | 0.03 | 2.6E-01 | 0 | <0.01 | 0.36 | G*/I | 2.7E-01 | 1.03 | 2.9E-01 | 1.03 | 0.89 |
| rs183309280 | 105113375 | T | C | 0.03 | 1.10 | 0.08 | 2.6E-01 | 0 | <0.01 | 0.02 | I/I | 3.9E-01 | 1.08 | 1.7E-01 | 1.12 | 0.54 |
| rs34364862 | 105559610 | T | C | 0.19 | 1.04 | 0.03 | 2.6E-01 | 34.12 | <0.01 | 0.14 | I/I | 3.0E-01 | 1.03 | 4.2E-01 | 1.03 | 0.69 |
| rs77066495 | 105486842 | A | G | 0.10 | 0.96 | 0.03 | 2.6E-01 | 0 | <0.01 | 0.11 | I/I | 2.2E-01 | 0.96 | 1.5E-01 | 0.95 | 0.98 |
| rs2841219 | 105323654 | G | C | 0.36 | 1.02 | 0.02 | 2.6E-01 | 0 | 0.04 | 0.33 | I/I | 1.1E-01 | 1.04 | 1.7E-01 | 1.03 | 0.97 |
| rs60172564 | 105424782 | C | T | 0.04 | 0.91 | 0.08 | 2.6E-01 | 26.29 | 0.01 | 0.02 | I/I | 2.2E-01 | 0.90 | 1.9E-01 | 0.89 | 0.67 |
| rs11846022 | 105675399 | C | T | 0.29 | 1.03 | 0.02 | 2.6E-01 | 0 | <0.01 | 0.32 | I/I | 2.9E-01 | 1.03 | 3.1E-01 | 1.03 | 0.94 |
| rs7152235 | 105528212 | C | T | 0.29 | 1.03 | 0.02 | 2.6E-01 | 0 | <0.01 | 0.27 | I/I | 2.7E-01 | 1.03 | 1.5E-01 | 1.04 | 0.94 |
| rs75838789 | 105061132 | T | C | 0.08 | 1.05 | 0.04 | 2.6E-01 | 52.65 | <0.01 | 0.09 | I/I | 2.2E-01 | 1.05 | 2.3E-01 | 1.05 | 0.91 |
| rs10138816 | 105133187 | C | T | 0.43 | 1.03 | 0.03 | 2.6E-01 | 0 | 0.02 | 0.44 | I/I | 4.2E-01 | 1.02 | 3.7E-01 | 1.02 | 0.85 |
| rs2816679 | 105622056 | G | A | 0.05 | 1.07 | 0.06 | 2.6E-01 | 0 | <0.01 | 0.02 | I/I | 3.0E-01 | 1.06 | 2.7E-01 | 1.07 | 0.81 |
| rs78214055 | 105593147 | T | C | 0.13 | 1.04 | 0.04 | 2.6E-01 | 11.12 | <0.01 | 0.12 | I/I | 3.0E-01 | 1.04 | 4.0E-01 | 1.03 | 0.89 |
| rs10137728 | 104998353 | T | C | 0.28 | 0.97 | 0.03 | 2.6E-01 | 0 | <0.01 | 0.26 | I/I | 2.3E-01 | 0.97 | 1.5E-01 | 0.96 | 0.87 |
| rs12586514 | 105548176 | G | A | 0.10 | 1.05 | 0.04 | 2.6E-01 | 0 | <0.01 | 0.12 | I/I | 3.2E-01 | 1.04 | 2.4E-01 | 1.05 | 0.88 |
| rs3809470 | 105531945 | G | A | 0.29 | 1.03 | 0.02 | 2.6E-01 | 0 | <0.01 | 0.27 | G*/I | 2.7E-01 | 1.03 | 1.5E-01 | 1.03 | 0.96 |
| rs73359086 | 105134689 | T | C | 0.12 | 1.05 | 0.04 | 2.6E-01 | 0 | <0.01 | 0.08 | I/I | 6.0E-01 | 1.02 | 2.3E-01 | 1.05 | 0.82 |
| rs75239420 | 105066810 | C | T | 0.08 | 1.05 | 0.04 | 2.6E-01 | 52.68 | <0.01 | 0.09 | I/I | 2.2E-01 | 1.05 | 2.3E-01 | 1.05 | 0.92 |
| rs8023080 | 105543785 | T | A | 0.07 | 0.95 | 0.05 | 2.6E-01 | 62.67 | <0.01 | 0.05 | I/I | 3.1E-01 | 0.95 | 2.9E-01 | 0.95 | 0.88 |
| rs2819419 | 105406238 | C | A | 0.46 | 1.02 | 0.02 | 2.6E-01 | 70.75 | <0.01 | 0.48 | G*/I | 1.7E-01 | 1.03 | 2.2E-01 | 1.03 | 0.97 |
| rs4983560 | 105322471 | A | G | 0.44 | 1.02 | 0.02 | 2.6E-01 | 36.26 | 0.05 | 0.41 | I/I | 6.6E-02 | 1.04 | 8.3E-02 | 1.04 | 0.95 |
| rs2091919 | 105693340 | C | A | 0.28 | 1.03 | 0.03 | 2.6E-01 | 0 | <0.01 | 0.32 | I/I | 3.0E-01 | 1.03 | 3.2E-01 | 1.03 | 0.91 |
| rs7152401 | 105528273 | C | T | 0.29 | 1.03 | 0.02 | 2.6E-01 | 0 | <0.01 | 0.27 | I/I | 2.9E-01 | 1.03 | 1.6E-01 | 1.03 | 0.94 |
| rs8007667 | 105580223 | T | C | 0.38 | 1.03 | 0.03 | 2.6E-01 | 0 | <0.01 | 0.38 | I/I | 2.8E-01 | 1.03 | 1.8E-01 | 1.03 | 0.86 |
| rs12588252 | 105548390 | G | A | 0.10 | 1.05 | 0.04 | 2.6E-01 | 0 | <0.01 | 0.12 | I/I | 3.3E-01 | 1.04 | 2.4E-01 | 1.05 | 0.88 |
| rs56290578 | 105142657 | A | G | 0.10 | 1.05 | 0.04 | 2.6E-01 | 22.69 | <0.01 | 0.06 | I/I | 4.9E-01 | 1.03 | 1.3E-01 | 1.07 | 0.83 |
| rs12436511 | 105533878 | A | G | 0.29 | 1.03 | 0.02 | 2.6E-01 | 0 | <0.01 | 0.27 | I/I | 2.7E-01 | 1.03 | 1.6E-01 | 1.03 | 0.96 |
| rs35572164 | 105472914 | A | C | 0.11 | 0.96 | 0.03 | 2.6E-01 | 0 | <0.01 | 0.11 | I/I | 2.3E-01 | 0.96 | 1.6E-01 | 0.95 | 0.98 |
| rs75833673 | 105060269 | T | C | 0.09 | 1.05 | 0.04 | 2.6E-01 | 52.4 | <0.01 | 0.09 | I/I | 2.2E-01 | 1.05 | 2.4E-01 | 1.05 | 0.91 |
| rs8007698 | 105131124 | A | G | 0.02 | 1.11 | 0.09 | 2.7E-01 | 0 | <0.01 | 0.01 | I/I | 5.3E-01 | 1.06 | 6.5E-01 | 1.04 | 0.81 |
| rs2239283 | 105631910 | G | C | 0.11 | 0.96 | 0.04 | 2.7E-01 | 0 | <0.01 | 0.14 | I/I | 3.4E-01 | 0.96 | 3.5E-01 | 0.96 | 0.86 |
| rs112094803 | 105470137 | T | C | 0.02 | 0.88 | 0.11 | 2.7E-01 | 76.84 | <0.01 | 0.01 | I/I | 4.0E-01 | 0.91 | 3.9E-01 | 0.91 | 0.43 |
| rs4074324 | 104839816 | A | G | 0.23 | 0.97 | 0.03 | 2.7E-01 | 0 | <0.01 | 0.24 | G*/I | 3.1E-01 | 0.97 | 2.5E-01 | 0.97 | 0.88 |
| rs4900613 | 104770392 | G | A | 0.49 | 0.97 | 0.03 | 2.7E-01 | 0 | <0.01 | 0.44 | I/I | 2.8E-01 | 0.97 | 3.0E-01 | 0.97 | 0.83 |
| rs10400718 | 105424595 | G | C | 0.03 | 0.91 | 0.09 | 2.7E-01 | 27.68 | 0.01 | 0.02 | I/I | 2.3E-01 | 0.90 | 2.0E-01 | 0.89 | 0.66 |
| rs7151513 | 104782472 | G | A | 0.31 | 0.97 | 0.03 | 2.7E-01 | 0 | <0.01 | 0.26 | I/I | 2.7E-01 | 0.97 | 2.7E-01 | 0.97 | 0.85 |
| rs36214558 | 105247459 | C | T | 0.03 | 0.91 | 0.08 | 2.7E-01 | 0 | <0.01 | 0.03 | I/I | 9.9E-01 | 1.00 | 7.2E-01 | 0.97 | 0.49 |
| rs7144647 | 105527116 | T | C | 0.29 | 1.03 | 0.02 | 2.7E-01 | 0 | <0.01 | 0.28 | I/I | 2.8E-01 | 1.03 | 1.6E-01 | 1.03 | 0.94 |
| rs73356764 | 105143711 | T | G | 0.10 | 1.05 | 0.05 | 2.7E-01 | 39.26 | <0.01 | 0.06 | I/I | 5.1E-01 | 1.03 | 1.3E-01 | 1.07 | 0.82 |
| rs11621410 | 105423227 | G | A | 0.39 | 1.03 | 0.02 | 2.7E-01 | 0 | <0.01 | 0.41 | I/I | 1.6E-01 | 1.03 | 1.0E-01 | 1.04 | 0.90 |
| rs7141296 | 104834961 | C | T | 0.31 | 0.97 | 0.03 | 2.7E-01 | 0 | <0.01 | 0.32 | I/I | 3.1E-01 | 0.97 | 3.3E-01 | 0.97 | 0.85 |
| rs12880146 | 105084670 | G | A | 0.22 | 0.97 | 0.03 | 2.7E-01 | 0 | <0.01 | 0.25 | I/I | 2.2E-01 | 0.97 | 2.9E-01 | 0.97 | 0.92 |
| rs10134026 | 104785827 | A | G | 0.46 | 0.97 | 0.03 | 2.7E-01 | 0 | <0.01 | 0.49 | I/I | 3.1E-01 | 0.97 | 3.1E-01 | 0.97 | 0.84 |
| rs60549795 | 104836288 | G | A | 0.31 | 0.97 | 0.03 | 2.7E-01 | 0 | <0.01 | 0.32 | I/I | 3.2E-01 | 0.97 | 3.3E-01 | 0.97 | 0.85 |
| rs3809466 | 105533648 | C | T | 0.29 | 1.03 | 0.02 | 2.7E-01 | 0 | <0.01 | 0.27 | I/I | 2.8E-01 | 1.03 | 1.6E-01 | 1.03 | 0.96 |
| rs61995982 | 105328202 | A | G | 0.44 | 1.02 | 0.02 | 2.7E-01 | 44.79 | 0.03 | 0.42 | I/I | 7.7E-02 | 1.04 | 8.6E-02 | 1.04 | 0.95 |
| rs116916276 | 105617467 | A | G | 0.13 | 1.04 | 0.04 | 2.7E-01 | 0 | <0.01 | 0.13 | I/I | 1.2E-01 | 1.06 | 1.1E-01 | 1.06 | 0.73 |
| rs10137166 | 105424432 | C | G | 0.39 | 1.03 | 0.02 | 2.7E-01 | 0 | <0.01 | 0.40 | I/I | 1.8E-01 | 1.03 | 9.6E-02 | 1.04 | 0.90 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs78109240 | 105342981 | G | C | 0.45 | 1.02 | 0.02 | 2.7E-01 | 41.48 | 0.04 | 0.42 | I/I | 6.3E-02 | 1.04 | 8.4E-02 | 1.04 | 0.96 |
| rs10141968 | 105113145 | G | A | 0.14 | 1.04 | 0.04 | 2.7E-01 | 46 | <0.01 | 0.14 | I/I | 2.9E-01 | 1.04 | 3.8E-01 | 1.03 | 0.84 |
| rs57982564 | 104836132 | C | G | 0.31 | 0.97 | 0.03 | 2.7E-01 | 0 | <0.01 | 0.32 | I/I | 3.2E-01 | 0.97 | 3.3E-01 | 0.97 | 0.85 |
| rs4906449 | 104789323 | G | A | 0.31 | 0.97 | 0.03 | 2.7E-01 | 0 | <0.01 | 0.26 | I/I | 2.8E-01 | 0.97 | 2.8E-01 | 0.97 | 0.85 |
| rs56990841 | 104836314 | G | A | 0.31 | 0.97 | 0.03 | 2.7E-01 | 0 | <0.01 | 0.32 | I/I | 3.2E-01 | 0.97 | 3.3E-01 | 0.97 | 0.85 |
| rs34995109 | 105447267 | T | C | 0.18 | 0.97 | 0.03 | 2.7E-01 | 0 | <0.01 | 0.17 | I/I | 2.3E-01 | 0.97 | 1.5E-01 | 0.96 | 0.91 |
| rs4073652 | 105484781 | G | A | 0.18 | 1.03 | 0.03 | 2.7E-01 | 0 | <0.01 | 0.16 | I/I | 3.3E-01 | 1.03 | 2.3E-01 | 1.03 | 0.98 |
| rs74089037 | 105099759 | A | G | 0.02 | 1.10 | 0.08 | 2.7E-01 | 0 | <0.01 | 0.01 | I/I | 5.1E-01 | 1.06 | 6.1E-01 | 1.04 | 0.81 |
| rs4983393 | 105348039 | A | G | 0.45 | 1.02 | 0.02 | 2.7E-01 | 0 | 0.04 | 0.41 | I/I | 7.0E-02 | 1.04 | 8.4E-02 | 1.04 | 0.97 |
| rs10135527 | 105111252 | G | A | 0.14 | 1.04 | 0.04 | 2.7E-01 | 45.18 | <0.01 | 0.14 | I/I | 2.9E-01 | 1.04 | 3.8E-01 | 1.03 | 0.84 |
| rs12436070 | 105119676 | G | A | 0.09 | 1.05 | 0.05 | 2.7E-01 | 38.27 | <0.01 | 0.09 | I/I | 1.6E-01 | 1.07 | 2.3E-01 | 1.06 | 0.77 |
| rs59570443 | 104835313 | C | T | 0.31 | 0.97 | 0.03 | 2.7E-01 | 0 | <0.01 | 0.32 | I/I | 3.2E-01 | 0.97 | 3.3E-01 | 0.97 | 0.85 |
| rs10138660 | 105385241 | T | C | 0.18 | 0.96 | 0.03 | 2.7E-01 | 57.79 | 0.01 | 0.11 | I/I | 1.3E-01 | 0.95 | 6.0E-02 | 0.94 | 0.63 |
| rs35769378 | 105385024 | A | G | 0.22 | 1.03 | 0.03 | 2.7E-01 | 55.96 | <0.01 | 0.19 | I/I | 2.1E-01 | 1.04 | 1.7E-01 | 1.04 | 0.79 |
| rs111485571 | 105072534 | A | G | 0.08 | 1.05 | 0.04 | 2.7E-01 | 53.87 | <0.01 | 0.09 | I/I | 2.3E-01 | 1.05 | 2.4E-01 | 1.05 | 0.92 |
| rs4983398 | 105591666 | G | A | 0.13 | 1.04 | 0.04 | 2.7E-01 | 8.9 | <0.01 | 0.12 | I/I | 3.2E-01 | 1.04 | 4.1E-01 | 1.03 | 0.90 |
| rs2819451 | 105430719 | A | G | 0.04 | 0.91 | 0.08 | 2.7E-01 | 5.49 | 0.01 | 0.02 | I/I | 2.4E-01 | 0.91 | 2.0E-01 | 0.90 | 0.68 |
| rs55752802 | 105315567 | G | T | 0.09 | 1.05 | 0.05 | 2.7E-01 | 36.99 | <0.01 | 0.12 | I/I | 3.0E-01 | 1.05 | 3.3E-01 | 1.05 | 0.58 |
| rs11160805 | 104866687 | T | C | 0.22 | 0.97 | 0.03 | 2.7E-01 | 24.96 | <0.01 | 0.25 | I/I | 2.7E-01 | 0.97 | 2.4E-01 | 0.97 | 0.90 |
| rs34877077 | 105189022 | T | C | 0.20 | 0.97 | 0.03 | 2.7E-01 | 0 | 0.11 | 0.20 | I/I | 1.6E-01 | 0.96 | 5.8E-01 | 1.02 | 0.86 |
| rs78258865 | 105073105 | T | C | 0.08 | 1.05 | 0.04 | 2.8E-01 | 53.99 | <0.01 | 0.09 | I/I | 2.3E-01 | 1.05 | 2.4E-01 | 1.05 | 0.92 |
| rs141152411 | 105109321 | A | G | 0.02 | 1.11 | 0.09 | 2.8E-01 | 0 | <0.01 | 0.01 | I/I | 5.3E-01 | 1.06 | 6.5E-01 | 1.04 | 0.84 |
| rs10133301 | 105179194 | C | T | 0.15 | 0.97 | 0.03 | 2.8E-01 | 0 | 0.15 | 0.19 | I/I | 7.0E-01 | 0.99 | 7.7E-01 | 1.01 | 0.92 |
| rs35886229 | 105531424 | A | C | 0.29 | 1.03 | 0.02 | 2.8E-01 | 0 | <0.01 | 0.27 | I/I | 2.8E-01 | 1.03 | 1.6E-01 | 1.03 | 0.96 |
| rs59219802 | 105095548 | A | G | 0.07 | 1.06 | 0.06 | 2.8E-01 | 30.53 | <0.01 | 0.02 | I/I | 7.3E-01 | 1.02 | 1.4E-01 | 1.09 | 0.68 |
| rs2841269 | 105386149 | C | G | 0.46 | 0.98 | 0.02 | 2.8E-01 | 62.15 | <0.01 | 0.49 | I/I | 1.9E-01 | 0.97 | 2.4E-01 | 0.97 | 0.92 |
| rs61562983 | 104836134 | C | T | 0.31 | 0.97 | 0.03 | 2.8E-01 | 0 | <0.01 | 0.32 | I/I | 3.2E-01 | 0.97 | 3.4E-01 | 0.97 | 0.85 |
| rs35689208 | 105447486 | T | G | 0.18 | 0.97 | 0.03 | 2.8E-01 | 0 | <0.01 | 0.17 | I/I | 2.4E-01 | 0.97 | 1.6E-01 | 0.96 | 0.91 |
| rs11624283 | 105590971 | G | A | 0.13 | 1.04 | 0.04 | 2.8E-01 | 8.68 | <0.01 | 0.12 | G*/I | 3.2E-01 | 1.04 | 4.2E-01 | 1.03 | 0.90 |
| rs10145528 | 104997986 | A | G | 0.29 | 0.97 | 0.03 | 2.8E-01 | 0 | <0.01 | 0.26 | I/I | 2.4E-01 | 0.97 | 1.6E-01 | 0.96 | 0.87 |
| rs78590158 | 105076176 | C | T | 0.08 | 1.05 | 0.04 | 2.8E-01 | 54.72 | <0.01 | 0.09 | I/I | 2.3E-01 | 1.05 | 2.5E-01 | 1.05 | 0.92 |
| rs76810343 | 105074167 | C | T | 0.08 | 1.05 | 0.04 | 2.8E-01 | 54.18 | <0.01 | 0.09 | I/I | 2.3E-01 | 1.05 | 2.5E-01 | 1.05 | 0.92 |
| rs2238286 | 105636112 | C | T | 0.12 | 0.96 | 0.04 | 2.8E-01 | 14.96 | <0.01 | 0.15 | I/I | 3.9E-01 | 0.97 | 3.8E-01 | 0.97 | 0.84 |
| rs7150832 | 105005057 | G | A | 0.23 | 1.03 | 0.03 | 2.8E-01 | 20.14 | <0.01 | 0.21 | I/I | 2.9E-01 | 1.03 | 3.5E-01 | 1.03 | 0.69 |
| rs12147791 | 105156943 | A | G | 0.26 | 1.03 | 0.03 | 2.8E-01 | 0 | <0.01 | 0.31 | I/I | 9.5E-01 | 1.00 | 4.1E-01 | 1.02 | 0.79 |
| rs4497619 | 105179043 | C | G | 0.15 | 0.97 | 0.03 | 2.8E-01 | 0 | 0.16 | 0.19 | I/I | 7.1E-01 | 0.99 | 7.6E-01 | 1.01 | 0.92 |
| rs3809467 | 105533338 | C | G | 0.29 | 1.03 | 0.02 | 2.8E-01 | 0 | <0.01 | 0.28 | I/I | 2.9E-01 | 1.03 | 1.7E-01 | 1.03 | 0.95 |
| rs11628893 | 105590884 | C | T | 0.13 | 1.04 | 0.04 | 2.8E-01 | 9.62 | <0.01 | 0.12 | G*/I | 3.2E-01 | 1.04 | 4.2E-01 | 1.03 | 0.90 |
| rs115686101 | 105071338 | G | A | 0.09 | 1.04 | 0.04 | 2.8E-01 | 52.47 | <0.01 | 0.11 | I/I | 2.3E-01 | 1.05 | 2.5E-01 | 1.04 | 0.91 |
| rs12432239 | 105589032 | A | G | 0.13 | 1.04 | 0.04 | 2.8E-01 | 19.59 | <0.01 | 0.12 | I/I | 3.2E-01 | 1.04 | 4.3E-01 | 1.03 | 0.90 |
| rs79132383 | 105150850 | G | A | 0.02 | 1.10 | 0.09 | 2.8E-01 | 26 | 0.05 | 0.02 | I/I | 8.4E-01 | 1.02 | 9.9E-01 | 1.00 | 0.71 |
| rs77494727 | 105348018 | G | A | 0.45 | 1.02 | 0.02 | 2.8E-01 | 0 | <0.01 | 0.41 | I/I | 7.3E-02 | 1.04 | 8.8E-02 | 1.04 | 0.97 |
| rs117536281 | 105494403 | G | A | 0.03 | 1.09 | 0.08 | 2.8E-01 | 0 | 0.02 | 0.02 | I/I | 4.2E-01 | 1.06 | 1.0E-01 | 1.13 | 0.59 |
| rs72705798 | 105590467 | C | T | 0.13 | 1.04 | 0.04 | 2.8E-01 | 9.39 | <0.01 | 0.12 | G*/I | 3.2E-01 | 1.04 | 4.2E-01 | 1.03 | 0.90 |
| rs4983392 | 105348021 | A | G | 0.45 | 1.02 | 0.02 | 2.8E-01 | 0 | 0.04 | 0.41 | I/I | 7.3E-02 | 1.04 | 8.8E-02 | 1.04 | 0.97 |
| rs75808059 | 105308832 | T | C | 0.04 | 0.93 | 0.06 | 2.8E-01 | 59.36 | <0.01 | 0.06 | I/I | 4.8E-01 | 0.96 | 3.2E-01 | 0.94 | 0.72 |
| rs4077185 | 105590273 | C | T | 0.13 | 1.04 | 0.04 | 2.8E-01 | 9.27 | <0.01 | 0.12 | G*/I | 3.2E-01 | 1.04 | 4.2E-01 | 1.03 | 0.90 |
| rs7160273 | 105168775 | G | A | 0.21 | 0.97 | 0.03 | 2.8E-01 | 0 | 0.08 | 0.21 | I/I | 1.5E-01 | 0.96 | 7.2E-01 | 1.01 | 0.88 |
| rs79322342 | 104928178 | T | G | 0.06 | 1.05 | 0.04 | 2.8E-01 | 0 | 0.01 | 0.02 | I/I | 2.2E-01 | 1.06 | 2.3E-01 | 1.05 | 0.88 |
| rs143072462 | 105005322 | G | A | 0.08 | 0.95 | 0.05 | 2.8E-01 | 0 | <0.01 | 0.08 | I/I | 3.1E-01 | 0.95 | 2.6E-01 | 0.95 | 0.77 |
| rs3809465 | 105533687 | T | A | 0.29 | 1.03 | 0.02 | 2.8E-01 | 0 | <0.01 | 0.27 | I/I | 2.9E-01 | 1.03 | 1.7E-01 | 1.03 | 0.96 |
| rs4288933 | 105534009 | A | G | 0.29 | 1.03 | 0.02 | 2.8E-01 | 0 | <0.01 | 0.27 | I/I | 2.9E-01 | 1.03 | 1.7E-01 | 1.03 | 0.96 |
| rs78030206 | 105137501 | T | C | 0.02 | 1.10 | 0.09 | 2.8E-01 | 0 | <0.01 | 0.01 | I/I | 5.5E-01 | 1.06 | 6.7E-01 | 1.04 | 0.81 |
| rs149710923 | 105104810 | T | C | 0.02 | 1.11 | 0.09 | 2.8E-01 | 0 | <0.01 | 0.01 | I/I | 5.4E-01 | 1.06 | 6.6E-01 | 1.04 | 0.84 |
| rs12432500 | 105584230 | T | C | 0.12 | 1.04 | 0.04 | 2.8E-01 | 0 | <0.01 | 0.12 | I/I | 3.1E-01 | 1.04 | 4.1E-01 | 1.03 | 0.89 |
| rs34753498 | 105561112 | A | G | 0.06 | 0.95 | 0.05 | 2.8E-01 | 81.29 | <0.01 | 0.05 | I/I | 2.8E-01 | 0.95 | 2.6E-01 | 0.94 | 0.87 |
| rs3759782 | 105637258 | C | T | 0.39 | 1.02 | 0.02 | 2.8E-01 | 40.54 | <0.01 | 0.35 | I/I | 2.3E-01 | 1.03 | 2.5E-01 | 1.03 | 0.97 |
| rs57746257 | 105381272 | T | C | 0.29 | 1.03 | 0.02 | 2.8E-01 | 63 | 0.01 | 0.26 | I/I | 1.2E-01 | 1.04 | 1.2E-01 | 1.04 | 0.94 |
| rs4077167 | 105041160 | A | G | 0.15 | 1.04 | 0.04 | 2.8E-01 | 23.54 | 0.01 | 0.19 | I/I | 3.9E-01 | 1.03 | 4.3E-01 | 1.03 | 0.76 |
| rs35545162 | 105472072 | G | C | 0.10 | 0.96 | 0.04 | 2.8E-01 | 0 | <0.01 | 0.09 | I/I | 2.4E-01 | 0.96 | 1.6E-01 | 0.95 | 0.97 |
| rs8014266 | 105506915 | C | G | 0.26 | 1.03 | 0.02 | 2.8E-01 | 0 | <0.01 | 0.26 | I/I | 2.8E-01 | 1.03 | 1.6E-01 | 1.03 | 0.94 |
| rs9788432 | 105054709 | A | T | 0.10 | 1.04 | 0.04 | 2.8E-01 | 2.05 | <0.01 | 0.12 | I/I | 4.5E-01 | 1.03 | 5.1E-01 | 1.03 | 0.84 |
| rs7146879 | 105000466 | G | A | 0.21 | 0.97 | 0.03 | 2.8E-01 | 76.67 | <0.01 | 0.21 | I/I | 1.5E-01 | 0.95 | 2.2E-01 | 0.96 | 0.84 |
| rs12895093 | 105158044 | T | C | 0.26 | 1.03 | 0.03 | 2.9E-01 | 0 | <0.01 | 0.31 | I/I | 9.5E-01 | 1.00 | 4.2E-01 | 1.02 | 0.79 |
| rs78444311 | 105077377 | C | G | 0.08 | 1.04 | 0.04 | 2.9E-01 | 55.22 | <0.01 | 0.09 | I/I | 2.4E-01 | 1.05 | 2.5E-01 | 1.05 | 0.92 |
| rs151105261 | 105303779 | T | A | 0.28 | 1.03 | 0.03 | 2.9E-01 | 74.61 | <0.01 | 0.24 | I/I | 1.0E-01 | 1.05 | 1.5E-01 | 1.04 | 0.74 |
| rs34642994 | 105188836 | A | G | 0.20 | 0.97 | 0.03 | 2.9E-01 | 0 | 0.11 | 0.20 | I/I | 1.7E-01 | 0.96 | 5.6E-01 | 1.02 | 0.87 |
| rs4581644 | 105540469 | G | A | 0.30 | 1.03 | 0.02 | 2.9E-01 | 0 | <0.01 | 0.28 | I/I | 2.8E-01 | 1.03 | 1.8E-01 | 1.03 | 0.93 |
| rs77355633 | 105077910 | T | C | 0.08 | 1.04 | 0.04 | 2.9E-01 | 55.32 | <0.01 | 0.09 | I/I | 2.4E-01 | 1.05 | 2.6E-01 | 1.05 | 0.92 |
| rs12147788 | 105157042 | T | C | 0.26 | 1.03 | 0.03 | 2.9E-01 | 0 | <0.01 | 0.31 | I/I | 9.6E-01 | 1.00 | 4.2E-01 | 1.02 | 0.79 |
| rs12147300 | 105159027 | T | C | 0.25 | 1.03 | 0.03 | 2.9E-01 | 0 | <0.01 | 0.31 | I/I | 9.6E-01 | 1.00 | 4.2E-01 | 1.02 | 0.79 |
| rs7157172 | 104998696 | A | G | 0.29 | 0.97 | 0.03 | 2.9E-01 | 0 | <0.01 | 0.26 | G*/I | 2.5E-01 | 0.97 | 1.7E-01 | 0.96 | 0.87 |
| rs56275808 | 105543379 | G | C | 0.32 | 1.03 | 0.02 | 2.9E-01 | 35.78 | <0.01 | 0.31 | I/I | 2.8E-01 | 1.03 | 1.8E-01 | 1.03 | 0.92 |
| rs77297817 | 105613278 | C | A | 0.14 | 1.04 | 0.04 | 2.9E-01 | 0 | <0.01 | 0.13 | I/I | 3.2E-01 | 1.04 | 4.6E-01 | 1.03 | 0.82 |
| rs4075661 | 105065970 | T | C | 0.09 | 1.04 | 0.04 | 2.9E-01 | 50.14 | <0.01 | 0.09 | I/I | 2.4E-01 | 1.05 | 2.6E-01 | 1.04 | 0.91 |
| rs4983584 | 104993161 | T | G | 0.21 | 0.97 | 0.03 | 2.9E-01 | 78.9 | <0.01 | 0.21 | I/I | 1.5E-01 | 0.95 | 1.9E-01 | 0.96 | 0.83 |
| rs59911329 | 104835479 | A | G | 0.30 | 0.97 | 0.03 | 2.9E-01 | 0 | <0.01 | 0.31 | I/I | 3.4E-01 | 0.97 | 3.5E-01 | 0.97 | 0.84 |
| rs12586594 | 104802299 | T | G | 0.46 | 0.97 | 0.03 | 2.9E-01 | 11.63 | <0.01 | 0.49 | G*/I | 3.4E-01 | 0.98 | 3.4E-01 | 0.98 | 0.86 |
| rs61572675 | 104835978 | A | G | 0.30 | 0.97 | 0.03 | 2.9E-01 | 0 | <0.01 | 0.31 | I/I | 3.4E-01 | 0.97 | 3.6E-01 | 0.97 | 0.84 |
| rs3809469 | 105532002 | C | T | 0.29 | 1.03 | 0.02 | 2.9E-01 | 0 | <0.01 | 0.27 | I/I | 3.0E-01 | 1.03 | 1.7E-01 | 1.03 | 0.95 |
| rs55862446 | 104834156 | G | A | 0.19 | 1.04 | 0.03 | 2.9E-01 | 0 | <0.01 | 0.19 | I/I | 3.5E-01 | 1.03 | 2.8E-01 | 1.04 | 0.83 |
| rs2841276 | 105388376 | A | G | 0.46 | 0.98 | 0.02 | 2.9E-01 | 61.35 | <0.01 | 0.48 | I/I | 2.0E-01 | 0.97 | 2.5E-01 | 0.98 | 0.94 |
| rs8010080 | 105495507 | C | T | 0.19 | 1.03 | 0.03 | 2.9E-01 | 0 | <0.01 | 0.18 | I/I | 3.5E-01 | 1.03 | 2.5E-01 | 1.03 | 0.98 |
| rs11845866 | 105484284 | T | C | 0.14 | 0.97 | 0.03 | 2.9E-01 | 0 | <0.01 | 0.13 | I/I | 2.3E-01 | 0.96 | 1.4E-01 | 0.96 | 0.97 |
| rs78706926 | 105143191 | C | T | 0.09 | 1.05 | 0.05 | 2.9E-01 | 35.9 | <0.01 | 0.06 | I/I | 5.4E-01 | 1.03 | 1.4E-01 | 1.07 | 0.83 |
| rs34287418 | 104939039 | G | C | 0.02 | 0.92 | 0.08 | 2.9E-01 | 0 | <0.01 | 0.01 | I/I | 2.7E-01 | 0.91 | 2.5E-01 | 0.91 | 0.72 |
| rs75917492 | 105670988 | T | C | 0.05 | 1.07 | 0.06 | 2.9E-01 | 0 | <0.01 | 0.05 | I/I | 2.8E-01 | 1.07 | 2.4E-01 | 1.07 | 0.78 |
| rs3784235 | 105637130 | T | C | 0.40 | 1.02 | 0.02 | 2.9E-01 | 41.39 | <0.01 | 0.35 | I/I | 2.4E-01 | 1.03 | 2.6E-01 | 1.02 | 0.97 |
| rs118008550 | 105557502 | A | C | 0.04 | 1.08 | 0.07 | 2.9E-01 | 0 | 0.03 | 0.04 | I/I | 4.2E-01 | 1.06 | 1.1E-01 | 1.12 | 0.59 |
| rs8008683 | 105471295 | T | C | 0.10 | 0.96 | 0.03 | 2.9E-01 | 0 | <0.01 | 0.10 | I/I | 2.5E-01 | 0.96 | 1.7E-01 | 0.95 | 0.97 |
| rs12886669 | 105562735 | C | T | 0.37 | 1.03 | 0.03 | 2.9E-01 | 55.51 | <0.01 | 0.34 | I/I | 3.0E-01 | 1.03 | 2.0E-01 | 1.03 | 0.83 |
| rs11850872 | 105563660 | C | G | 0.14 | 1.04 | 0.03 | 2.9E-01 | 38.71 | <0.01 | 0.13 | I/I | 3.7E-01 | 1.03 | 4.3E-01 | 1.03 | 0.89 |
| rs55989006 | 105151024 | C | T | 0.16 | 1.04 | 0.03 | 2.9E-01 | 45.39 | <0.01 | 0.10 | I/I | 8.4E-01 | 0.99 | 7.1E-01 | 1.01 | 0.69 |
| rs111299294 | 105128473 | C | T | 0.30 | 1.03 | 0.03 | 2.9E-01 | 0 | 0.01 | 0.28 | I/I | 3.3E-01 | 1.03 | 6.0E-01 | 1.02 | 0.76 |
| rs10144599 | 104797513 | C | T | 0.32 | 0.97 | 0.03 | 3.0E-01 | 0 | <0.01 | 0.26 | I/I | 3.1E-01 | 0.97 | 3.1E-01 | 0.97 | 0.85 |
| rs7151906 | 104872237 | G | T | 0.22 | 0.97 | 0.03 | 3.0E-01 | 3.14 | <0.01 | 0.25 | G*/I | 2.9E-01 | 0.97 | 2.6E-01 | 0.97 | 0.93 |
| rs10873544 | 104799026 | C | T | 0.32 | 0.97 | 0.03 | 3.0E-01 | 0 | <0.01 | 0.26 | I/I | 3.1E-01 | 0.97 | 3.1E-01 | 0.97 | 0.85 |
| rs9671800 | 104841661 | T | C | 0.37 | 0.97 | 0.03 | 3.0E-01 | 0 | <0.01 | 0.35 | I/I | 3.0E-01 | 0.97 | 3.0E-01 | 0.97 | 0.74 |
| rs2239282 | 105633499 | A | G | 0.48 | 1.02 | 0.02 | 3.0E-01 | 67.64 | <0.01 | 0.47 | G*/I | 2.8E-01 | 1.02 | 3.2E-01 | 1.02 | 0.94 |
| rs1135470 | 105057373 | G | A | 0.10 | 1.04 | 0.04 | 3.0E-01 | 51.9 | <0.01 | 0.09 | I/I | 2.5E-01 | 1.04 | 2.8E-01 | 1.04 | 0.90 |
| rs10145032 | 105414810 | G | C | 0.46 | 1.02 | 0.02 | 3.0E-01 | 62.91 | <0.01 | 0.49 | I/I | 2.1E-01 | 1.03 | 2.6E-01 | 1.02 | 0.93 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs118034190 | 104835520 | T | G | 0.02 | 0.89 | 0.12 | 3.0E-01 | 0 | <0.01 | 0.02 | I/I | 3.0E-01 | 0.89 | 3.0E-01 | 0.89 | 0.60 |
| rs67941359 | 104835757 | C | G | 0.31 | 0.97 | 0.03 | 3.0E-01 | 0 | <0.01 | 0.34 | I/I | 3.4E-01 | 0.97 | 3.6E-01 | 0.97 | 0.85 |
| rs11160804 | 104792254 | A | G | 0.32 | 0.97 | 0.03 | 3.0E-01 | 0 | <0.01 | 0.26 | G*/I | 3.1E-01 | 0.97 | 3.1E-01 | 0.97 | 0.85 |
| rs4275790 | 105162462 | C | T | 0.44 | 1.02 | 0.02 | 3.0E-01 | 25.27 | 0.13 | 0.42 | I/I | 1.7E-01 | 0.97 | 3.4E-01 | 0.98 | 0.88 |
| rs2013228 | 105417774 | A | G | 0.23 | 0.97 | 0.03 | 3.0E-01 | 0 | 0.03 | 0.21 | I/I | 6.4E-01 | 0.99 | 5.2E-01 | 0.98 | 0.67 |
| rs8845 | 105461832 | T | C | 0.13 | 0.97 | 0.03 | 3.0E-01 | 0 | <0.01 | 0.11 | I/I | 2.2E-01 | 0.96 | 1.4E-01 | 0.96 | 0.98 |
| rs60319517 | 104835354 | G | A | 0.31 | 0.97 | 0.03 | 3.0E-01 | 0 | <0.01 | 0.33 | I/I | 3.4E-01 | 0.97 | 3.6E-01 | 0.97 | 0.85 |
| rs4983391 | 105348013 | A | G | 0.44 | 1.02 | 0.02 | 3.0E-01 | 0 | 0.04 | 0.41 | I/I | 7.9E-02 | 1.04 | 9.5E-02 | 1.04 | 0.97 |
| rs73361837 | 105057049 | C | G | 0.10 | 1.04 | 0.04 | 3.0E-01 | 51.87 | <0.01 | 0.09 | I/I | 2.6E-01 | 1.04 | 2.8E-01 | 1.04 | 0.90 |
| rs56864909 | 104835184 | G | C | 0.31 | 0.97 | 0.03 | 3.0E-01 | 0 | <0.01 | 0.33 | I/I | 3.4E-01 | 0.97 | 3.6E-01 | 0.97 | 0.85 |
| rs4906464 | 104906655 | C | T | 0.18 | 0.97 | 0.03 | 3.0E-01 | 0 | <0.01 | 0.22 | I/I | 3.7E-01 | 0.97 | 3.4E-01 | 0.97 | 0.84 |
| rs8015839 | 105070485 | G | A | 0.09 | 1.04 | 0.04 | 3.0E-01 | 50.14 | <0.01 | 0.09 | I/I | 2.5E-01 | 1.05 | 2.7E-01 | 1.04 | 0.92 |
| rs140517950 | 105579740 | C | T | 0.13 | 1.04 | 0.04 | 3.0E-01 | 0 | <0.01 | 0.12 | I/I | 3.3E-01 | 1.04 | 4.4E-01 | 1.03 | 0.89 |
| rs142668345 | 105526773 | A | C | 0.02 | 1.12 | 0.11 | 3.0E-01 | 0 | 0.01 | 0.02 | I/I | 3.6E-01 | 1.11 | 4.6E-01 | 1.08 | 0.51 |
| rs8014246 | 105082460 | A | G | 0.27 | 0.97 | 0.03 | 3.0E-01 | 0 | <0.01 | 0.29 | I/I | 3.3E-01 | 0.97 | 3.7E-01 | 0.98 | 0.85 |
| rs55705411 | 104972222 | A | G | 0.09 | 0.96 | 0.04 | 3.0E-01 | 0 | <0.01 | 0.14 | I/I | 3.2E-01 | 0.96 | 3.1E-01 | 0.96 | 0.81 |
| rs56138896 | 105127454 | G | A | 0.10 | 1.05 | 0.05 | 3.0E-01 | 33.58 | <0.01 | 0.06 | I/I | 5.3E-01 | 1.03 | 1.5E-01 | 1.07 | 0.82 |
| rs117150318 | 105123729 | A | G | 0.01 | 1.14 | 0.13 | 3.0E-01 | 0 | <0.01 | 0.02 | I/I | 2.3E-01 | 1.17 | 3.1E-01 | 1.14 | 0.57 |
| rs55951335 | 105543248 | T | C | 0.32 | 1.03 | 0.02 | 3.0E-01 | 37.92 | <0.01 | 0.31 | I/I | 3.0E-01 | 1.03 | 1.9E-01 | 1.03 | 0.91 |
| rs11547184 | 105057340 | T | C | 0.10 | 1.04 | 0.04 | 3.0E-01 | 51.49 | <0.01 | 0.09 | I/I | 2.6E-01 | 1.04 | 2.8E-01 | 1.04 | 0.90 |
| rs2819439 | 105388298 | G | A | 0.50 | 0.98 | 0.02 | 3.0E-01 | 52.26 | <0.01 | 0.50 | I/I | 1.8E-01 | 0.97 | 2.2E-01 | 0.97 | 0.93 |
| rs113837512 | 105427578 | G | A | 0.10 | 1.05 | 0.05 | 3.0E-01 | 36.89 | <0.01 | 0.09 | I/I | 6.5E-02 | 1.09 | 1.1E-01 | 1.08 | 0.51 |
| rs77526295 | 105078043 | G | A | 0.09 | 1.04 | 0.04 | 3.0E-01 | 54.07 | <0.01 | 0.09 | I/I | 2.6E-01 | 1.05 | 2.7E-01 | 1.04 | 0.92 |
| rs77244247 | 104841476 | C | T | 0.10 | 1.05 | 0.04 | 3.0E-01 | 0 | <0.01 | 0.11 | I/I | 3.2E-01 | 1.04 | 3.0E-01 | 1.05 | 0.81 |
| rs8018405 | 105096027 | G | A | 0.15 | 1.04 | 0.04 | 3.0E-01 | 55.04 | 0.01 | 0.16 | I/I | 2.7E-01 | 1.04 | 3.7E-01 | 1.03 | 0.76 |
| rs73356774 | 105149463 | T | C | 0.02 | 1.11 | 0.10 | 3.0E-01 | 47.27 | <0.01 | 0.04 | I/I | 6.3E-01 | 1.05 | 4.8E-01 | 1.07 | 0.46 |
| rs7140227 | 105071735 | C | T | 0.10 | 1.04 | 0.04 | 3.0E-01 | 48.85 | <0.01 | 0.09 | I/I | 2.6E-01 | 1.04 | 2.8E-01 | 1.04 | 0.92 |
| rs56322618 | 105176682 | C | T | 0.21 | 0.97 | 0.03 | 3.1E-01 | 0 | 0.09 | 0.21 | I/I | 1.7E-01 | 0.96 | 6.4E-01 | 1.01 | 0.88 |
| rs78678903 | 105112772 | T | G | 0.02 | 1.10 | 0.09 | 3.1E-01 | 0 | <0.01 | 0.01 | I/I | 5.8E-01 | 1.05 | 7.1E-01 | 1.04 | 0.83 |
| rs12890937 | 105585321 | T | A | 0.07 | 1.05 | 0.05 | 3.1E-01 | 39.1 | <0.01 | 0.05 | I/I | 2.9E-01 | 1.05 | 2.8E-01 | 1.06 | 0.80 |
| rs4073459 | 104794316 | A | G | 0.32 | 0.97 | 0.03 | 3.1E-01 | 0 | <0.01 | 0.26 | I/I | 3.2E-01 | 0.97 | 3.1E-01 | 0.97 | 0.85 |
| rs114055908 | 105112468 | C | T | 0.02 | 1.10 | 0.09 | 3.1E-01 | 0 | <0.01 | 0.01 | I/I | 5.8E-01 | 1.05 | 7.1E-01 | 1.04 | 0.83 |
| rs7158237 | 104799390 | T | C | 0.31 | 0.97 | 0.03 | 3.1E-01 | 0 | <0.01 | 0.26 | I/I | 3.2E-01 | 0.97 | 3.2E-01 | 0.97 | 0.85 |
| rs34878850 | 105537331 | C | T | 0.29 | 1.03 | 0.02 | 3.1E-01 | 0 | <0.01 | 0.27 | I/I | 3.2E-01 | 1.02 | 1.9E-01 | 1.03 | 0.95 |
| rs116303595 | 105141083 | G | A | 0.02 | 1.10 | 0.09 | 3.1E-01 | 0 | <0.01 | 0.01 | I/I | 5.9E-01 | 1.05 | 7.2E-01 | 1.03 | 0.80 |
| rs4906444 | 104779904 | C | T | 0.31 | 0.97 | 0.03 | 3.1E-01 | 0 | <0.01 | 0.26 | I/I | 3.1E-01 | 0.97 | 3.1E-01 | 0.97 | 0.85 |
| rs7157265 | 104995354 | G | C | 0.20 | 0.97 | 0.03 | 3.1E-01 | 76.68 | <0.01 | 0.20 | I/I | 1.6E-01 | 0.96 | 2.1E-01 | 0.96 | 0.85 |
| rs4076041 | 104794054 | G | T | 0.31 | 0.97 | 0.03 | 3.1E-01 | 0 | <0.01 | 0.26 | I/I | 3.2E-01 | 0.97 | 3.2E-01 | 0.97 | 0.85 |
| rs1003635 | 105649737 | A | G | 0.47 | 1.02 | 0.02 | 3.1E-01 | 0 | <0.01 | 0.48 | I/I | 3.1E-01 | 1.03 | 2.8E-01 | 1.03 | 0.78 |
| rs138048043 | 105168421 | G | A | 0.01 | 0.86 | 0.15 | 3.1E-01 | 0 | <0.01 | 0.01 | I/I | 6.0E-01 | 0.93 | 4.3E-01 | 0.89 | 0.46 |
| rs10149967 | 105630976 | C | T | 0.12 | 0.96 | 0.04 | 3.1E-01 | 17.97 | <0.01 | 0.15 | I/I | 4.1E-01 | 0.97 | 4.3E-01 | 0.97 | 0.85 |
| rs10873545 | 104799035 | A | G | 0.32 | 0.97 | 0.03 | 3.1E-01 | 0 | <0.01 | 0.26 | I/I | 3.2E-01 | 0.97 | 3.2E-01 | 0.97 | 0.85 |
| rs3784234 | 105637156 | G | A | 0.39 | 1.02 | 0.02 | 3.1E-01 | 39.89 | <0.01 | 0.35 | I/I | 2.6E-01 | 1.02 | 2.8E-01 | 1.02 | 0.97 |
| rs8014766 | 104900698 | A | G | 0.21 | 0.97 | 0.03 | 3.1E-01 | 0 | <0.01 | 0.27 | I/I | 3.5E-01 | 0.97 | 3.0E-01 | 0.97 | 0.87 |
| rs12437326 | 105129825 | C | T | 0.32 | 1.03 | 0.03 | 3.1E-01 | 0 | 0.02 | 0.35 | I/I | 3.5E-01 | 1.03 | 5.4E-01 | 1.02 | 0.83 |
| rs4983574 | 105511929 | C | G | 0.07 | 0.96 | 0.04 | 3.1E-01 | 55.44 | 0.01 | 0.08 | I/I | 3.8E-01 | 0.96 | 3.5E-01 | 0.96 | 0.96 |
| rs55928927 | 105066927 | C | T | 0.09 | 1.04 | 0.04 | 3.1E-01 | 43.62 | <0.01 | 0.09 | I/I | 2.7E-01 | 1.04 | 2.9E-01 | 1.04 | 0.92 |
| rs2248960 | 105417228 | T | C | 0.30 | 1.03 | 0.03 | 3.1E-01 | 0 | <0.01 | 0.28 | I/I | 6.6E-02 | 1.06 | 9.4E-02 | 1.05 | 0.57 |
| rs4983571 | 105511309 | C | T | 0.07 | 0.96 | 0.04 | 3.1E-01 | 55.42 | 0.01 | 0.08 | I/I | 3.8E-01 | 0.96 | 3.5E-01 | 0.96 | 0.96 |
| rs4900624 | 104802666 | C | T | 0.46 | 0.97 | 0.03 | 3.1E-01 | 5.65 | <0.01 | 0.48 | I/I | 3.6E-01 | 0.98 | 3.6E-01 | 0.98 | 0.85 |
| rs144161830 | 105628120 | T | A | 0.07 | 1.05 | 0.05 | 3.1E-01 | 0 | <0.01 | 0.13 | I/I | 2.0E-01 | 1.07 | 2.2E-01 | 1.06 | 0.79 |
| rs71421879 | 105146920 | G | C | 0.03 | 1.09 | 0.09 | 3.1E-01 | 0 | <0.01 | 0.03 | I/I | 4.2E-01 | 1.07 | 2.4E-01 | 1.10 | 0.54 |
| rs10147802 | 104995007 | C | T | 0.21 | 0.97 | 0.03 | 3.1E-01 | 75.68 | <0.01 | 0.20 | I/I | 1.6E-01 | 0.96 | 2.1E-01 | 0.96 | 0.84 |
| rs4464021 | 105541021 | C | T | 0.30 | 1.02 | 0.02 | 3.1E-01 | 0 | <0.01 | 0.28 | I/I | 3.1E-01 | 1.03 | 2.0E-01 | 1.03 | 0.93 |
| rs4983582 | 104991471 | G | A | 0.30 | 0.97 | 0.03 | 3.1E-01 | 0 | <0.01 | 0.29 | G*/I | 2.8E-01 | 0.97 | 2.2E-01 | 0.97 | 0.88 |
| rs4983570 | 105511281 | C | T | 0.07 | 0.96 | 0.04 | 3.1E-01 | 55.24 | 0.01 | 0.08 | I/I | 3.9E-01 | 0.96 | 3.5E-01 | 0.96 | 0.96 |
| rs150717954 | 105109354 | A | G | 0.02 | 1.10 | 0.09 | 3.1E-01 | 0 | <0.01 | 0.01 | I/I | 5.9E-01 | 1.05 | 7.1E-01 | 1.03 | 0.83 |
| rs34674986 | 105659888 | T | C | 0.05 | 0.93 | 0.07 | 3.2E-01 | 56.84 | <0.01 | 0.04 | I/I | 3.6E-01 | 0.94 | 3.4E-01 | 0.94 | 0.66 |
| rs72709915 | 105001663 | C | T | 0.01 | 0.88 | 0.13 | 3.2E-01 | 0 | 0.01 | 0.02 | I/I | 3.0E-01 | 0.88 | 2.6E-01 | 0.87 | 0.58 |
| rs11621316 | 105628760 | G | A | 0.48 | 1.02 | 0.02 | 3.2E-01 | 67.13 | <0.01 | 0.47 | I/I | 3.0E-01 | 1.02 | 3.4E-01 | 1.02 | 0.94 |
| rs141742927 | 105440241 | T | C | 0.01 | 1.12 | 0.11 | 3.2E-01 | 45.09 | <0.01 | 0.02 | I/I | 4.8E-01 | 1.08 | 5.7E-01 | 1.06 | 0.73 |
| rs139431005 | 105471007 | A | G | 0.02 | 0.90 | 0.10 | 3.2E-01 | 0 | <0.01 | 0.02 | I/I | 3.0E-01 | 0.90 | 3.6E-01 | 0.91 | 0.58 |
| rs2819468 | 105392729 | G | A | 0.49 | 0.98 | 0.02 | 3.2E-01 | 53.39 | <0.01 | 0.48 | I/I | 2.0E-01 | 0.97 | 2.3E-01 | 0.98 | 0.98 |
| rs733130 | 105422580 | C | T | 0.33 | 1.02 | 0.02 | 3.2E-01 | 10.85 | 0.02 | 0.36 | I/I | 2.1E-01 | 1.03 | 1.6E-01 | 1.03 | 0.91 |
| rs116039120 | 105103758 | C | T | 0.02 | 1.10 | 0.09 | 3.2E-01 | 0 | <0.01 | 0.01 | I/I | 6.0E-01 | 1.05 | 7.3E-01 | 1.03 | 0.83 |
| rs77954437 | 105083120 | C | T | 0.09 | 1.04 | 0.04 | 3.2E-01 | 54.8 | <0.01 | 0.09 | I/I | 2.7E-01 | 1.04 | 2.9E-01 | 1.04 | 0.93 |
| rs7144461 | 104839192 | C | T | 0.30 | 0.97 | 0.03 | 3.2E-01 | 0 | 0.01 | 0.29 | I/I | 3.3E-01 | 0.97 | 3.1E-01 | 0.97 | 0.84 |
| rs2816669 | 105601713 | C | A | 0.29 | 0.97 | 0.03 | 3.2E-01 | 60.07 | <0.01 | 0.34 | I/I | 2.9E-01 | 0.97 | 3.5E-01 | 0.97 | 0.63 |
| rs113266420 | 105470145 | T | C | 0.02 | 0.90 | 0.11 | 3.2E-01 | 76.05 | <0.01 | 0.02 | I/I | 4.6E-01 | 0.92 | 4.6E-01 | 0.92 | 0.43 |
| rs28703908 | 105582775 | T | C | 0.12 | 0.96 | 0.04 | 3.2E-01 | 0 | <0.01 | 0.14 | I/I | 3.2E-01 | 0.96 | 3.1E-01 | 0.96 | 0.83 |
| rs12887065 | 105689846 | A | G | 0.04 | 1.06 | 0.06 | 3.2E-01 | 0 | 0.01 | 0.04 | I/I | 3.0E-01 | 1.07 | 2.3E-01 | 1.08 | 0.78 |
| rs4619321 | 104871866 | A | C | 0.22 | 0.97 | 0.03 | 3.2E-01 | 3.09 | <0.01 | 0.25 | I/I | 3.2E-01 | 0.97 | 2.9E-01 | 0.97 | 0.93 |
| rs12586545 | 104802311 | T | A | 0.46 | 0.97 | 0.03 | 3.2E-01 | 7.15 | <0.01 | 0.49 | I/I | 3.7E-01 | 0.98 | 3.7E-01 | 0.98 | 0.86 |
| rs60820727 | 104905351 | C | T | 0.18 | 0.97 | 0.03 | 3.2E-01 | 0 | <0.01 | 0.23 | I/I | 3.7E-01 | 0.97 | 3.3E-01 | 0.97 | 0.84 |
| rs4906461 | 104890581 | T | C | 0.22 | 0.97 | 0.03 | 3.2E-01 | 0 | <0.01 | 0.25 | I/I | 3.5E-01 | 0.97 | 3.1E-01 | 0.97 | 0.87 |
| rs4444271 | 105161462 | T | A | 0.44 | 1.02 | 0.02 | 3.2E-01 | 0 | 0.08 | 0.50 | I/I | 4.6E-01 | 0.98 | 9.5E-01 | 1.00 | 0.86 |
| rs77810820 | 104865339 | A | G | 0.03 | 1.09 | 0.09 | 3.2E-01 | 0 | 0.03 | 0.01 | I/I | 3.9E-01 | 1.08 | 4.1E-01 | 1.08 | 0.68 |
| rs4906454 | 104873360 | T | C | 0.22 | 0.97 | 0.03 | 3.2E-01 | 5.98 | <0.01 | 0.25 | I/I | 3.2E-01 | 0.97 | 2.9E-01 | 0.97 | 0.93 |
| rs115466370 | 105103747 | T | C | 0.02 | 1.10 | 0.09 | 3.2E-01 | 0 | <0.01 | 0.01 | I/I | 6.1E-01 | 1.05 | 7.3E-01 | 1.03 | 0.83 |
| rs2582513 | 105414790 | G | A | 0.46 | 1.02 | 0.02 | 3.2E-01 | 67.46 | <0.01 | 0.49 | I/I | 2.4E-01 | 1.03 | 2.9E-01 | 1.02 | 0.93 |
| rs10150295 | 105188049 | T | C | 0.46 | 0.98 | 0.02 | 3.2E-01 | 0 | 0.08 | 0.47 | I/I | 4.6E-01 | 1.02 | 9.7E-01 | 1.00 | 0.92 |
| rs4243744 | 104768345 | T | C | 0.42 | 0.97 | 0.03 | 3.2E-01 | 0 | 0.01 | 0.33 | I/I | 3.3E-01 | 0.97 | 3.4E-01 | 0.97 | 0.81 |
| rs72706019 | 104823261 | A | C | 0.09 | 1.04 | 0.04 | 3.2E-01 | 0 | <0.01 | 0.08 | I/I | 3.7E-01 | 1.04 | 4.2E-01 | 1.03 | 0.88 |
| rs113812979 | 105580524 | T | C | 0.13 | 1.04 | 0.04 | 3.2E-01 | 0 | <0.01 | 0.12 | I/I | 3.6E-01 | 1.03 | 4.7E-01 | 1.03 | 0.89 |
| rs4077684 | 105497616 | G | A | 0.22 | 1.03 | 0.03 | 3.3E-01 | 17.53 | <0.01 | 0.19 | I/I | 3.4E-01 | 1.02 | 2.3E-01 | 1.03 | 0.98 |
| rs79152858 | 105115028 | T | G | 0.02 | 1.09 | 0.09 | 3.3E-01 | 0 | <0.01 | 0.01 | I/I | 6.1E-01 | 1.05 | 7.4E-01 | 1.03 | 0.83 |
| rs4906450 | 104800200 | G | A | 0.31 | 0.97 | 0.03 | 3.3E-01 | 0 | <0.01 | 0.26 | G*/I | 3.4E-01 | 0.97 | 3.4E-01 | 0.97 | 0.85 |
| rs61998879 | 105044233 | T | C | 0.04 | 1.07 | 0.07 | 3.3E-01 | 0 | <0.01 | 0.05 | I/I | 4.3E-01 | 1.06 | 4.4E-01 | 1.05 | 0.65 |
| rs4906455 | 104873411 | T | C | 0.22 | 0.97 | 0.03 | 3.3E-01 | 0 | <0.01 | 0.25 | I/I | 3.2E-01 | 0.97 | 2.9E-01 | 0.97 | 0.93 |
| rs115229668 | 105097246 | A | G | 0.02 | 1.10 | 0.09 | 3.3E-01 | 0 | <0.01 | 0.01 | I/I | 6.2E-01 | 1.05 | 7.4E-01 | 1.03 | 0.79 |
| rs12884180 | 105480154 | T | C | 0.07 | 0.96 | 0.04 | 3.3E-01 | 41.41 | 0.01 | 0.08 | I/I | 4.0E-01 | 0.96 | 3.7E-01 | 0.96 | 0.94 |
| rs115404085 | 105120143 | C | A | 0.02 | 1.09 | 0.09 | 3.3E-01 | 0 | <0.01 | 0.01 | I/I | 6.1E-01 | 1.05 | 7.4E-01 | 1.03 | 0.83 |
| rs28375591 | 105432566 | A | G | 0.04 | 0.92 | 0.08 | 3.3E-01 | 0 | 0.01 | 0.02 | I/I | 3.0E-01 | 0.92 | 2.5E-01 | 0.91 | 0.66 |
| rs76533225 | 105098062 | G | A | 0.02 | 1.09 | 0.09 | 3.3E-01 | 0 | <0.01 | 0.01 | I/I | 6.2E-01 | 1.05 | 7.4E-01 | 1.03 | 0.80 |
| rs57781802 | 104836364 | T | C | 0.31 | 0.97 | 0.03 | 3.3E-01 | 0 | <0.01 | 0.32 | I/I | 3.7E-01 | 0.97 | 3.9E-01 | 0.98 | 0.85 |
| rs8013988 | 104948842 | T | C | 0.06 | 1.05 | 0.05 | 3.3E-01 | 27.31 | 0.01 | 0.02 | I/I | 2.8E-01 | 1.05 | 3.0E-01 | 1.05 | 0.85 |
| rs61220690 | 104836520 | G | C | 0.31 | 0.97 | 0.03 | 3.3E-01 | 0 | <0.01 | 0.32 | I/I | 3.7E-01 | 0.97 | 4.0E-01 | 0.98 | 0.85 |
| rs112932702 | 105579807 | G | A | 0.13 | 1.04 | 0.04 | 3.3E-01 | 0 | <0.01 | 0.12 | I/I | 3.6E-01 | 1.03 | 4.7E-01 | 1.03 | 0.89 |
| rs61635173 | 104836613 | A | G | 0.31 | 0.97 | 0.03 | 3.3E-01 | 0 | <0.01 | 0.32 | I/I | 3.7E-01 | 0.97 | 4.0E-01 | 0.98 | 0.85 |
| rs78148508 | 105083338 | A | G | 0.08 | 1.04 | 0.04 | 3.3E-01 | 56.65 | <0.01 | 0.09 | I/I | 2.8E-01 | 1.04 | 3.0E-01 | 1.04 | 0.93 |
| rs12435909 | 105314981 | T | C | 0.30 | 1.03 | 0.03 | 3.3E-01 | 78.46 | 0.01 | 0.26 | I/I | 1.1E-01 | 1.04 | 1.4E-01 | 1.04 | 0.75 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs4372628 | 104894761 | A | G | 0.21 | 0.97 | 0.03 | 3.3E-01 | 0 | <0.01 | 0.26 | I/I | 3.6E-01 | 0.97 | 3.2E-01 | 0.97 | 0.86 |
| rs185964341 | 105321497 | T | G | 0.07 | 1.06 | 0.06 | 3.3E-01 | 0 | <0.01 | 0.05 | I/I | 1.4E-01 | 1.09 | 1.0E-01 | 1.10 | 0.47 |
| rs3784233 | 105637747 | A | G | 0.11 | 0.96 | 0.04 | 3.3E-01 | 0 | <0.01 | 0.14 | G*/I | 4.4E-01 | 0.97 | 4.4E-01 | 0.97 | 0.86 |
| rs7152431 | 104837237 | G | A | 0.31 | 0.97 | 0.03 | 3.3E-01 | 0 | <0.01 | 0.32 | G*/I | 3.8E-01 | 0.98 | 4.0E-01 | 0.98 | 0.85 |
| rs75411730 | 104840899 | A | G | 0.10 | 1.04 | 0.04 | 3.3E-01 | 0 | <0.01 | 0.11 | I/I | 3.5E-01 | 1.04 | 3.3E-01 | 1.04 | 0.82 |
| rs10148439 | 105115162 | C | A | 0.13 | 1.04 | 0.04 | 3.3E-01 | 52.96 | <0.01 | 0.14 | I/I | 3.1E-01 | 1.04 | 4.2E-01 | 1.03 | 0.84 |
| rs12891766 | 105489912 | C | T | 0.10 | 0.97 | 0.04 | 3.3E-01 | 0 | <0.01 | 0.11 | I/I | 3.0E-01 | 0.96 | 2.1E-01 | 0.96 | 0.97 |
| rs34055148 | 105184088 | C | G | 0.46 | 0.98 | 0.02 | 3.3E-01 | 0 | 0.07 | 0.46 | I/I | 4.7E-01 | 1.02 | 9.8E-01 | 1.00 | 0.93 |
| rs8013434 | 104948411 | A | G | 0.06 | 1.05 | 0.05 | 3.3E-01 | 22.55 | 0.01 | 0.02 | I/I | 2.9E-01 | 1.05 | 3.0E-01 | 1.05 | 0.85 |
| rs4983583 | 105572539 | A | G | 0.22 | 0.97 | 0.03 | 3.3E-01 | 80.44 | <0.01 | 0.19 | I/I | 2.9E-01 | 0.97 | 2.3E-01 | 0.97 | 0.88 |
| rs10130611 | 105297968 | C | T | 0.04 | 1.08 | 0.08 | 3.3E-01 | 59.7 | <0.01 | 0.05 | I/I | 5.8E-01 | 1.05 | 6.3E-01 | 1.04 | 0.43 |
| rs34971388 | 105485091 | A | T | 0.10 | 0.96 | 0.04 | 3.3E-01 | 0 | <0.01 | 0.12 | I/I | 2.8E-01 | 0.96 | 1.8E-01 | 0.95 | 0.85 |
| rs28483417 | 105487817 | T | G | 0.14 | 0.97 | 0.03 | 3.3E-01 | 0 | <0.01 | 0.14 | I/I | 2.6E-01 | 0.97 | 1.6E-01 | 0.96 | 0.95 |
| rs145490766 | 105108820 | T | C | 0.02 | 1.09 | 0.09 | 3.4E-01 | 0 | <0.01 | 0.01 | I/I | 6.3E-01 | 1.05 | 7.5E-01 | 1.03 | 0.83 |
| rs7157574 | 105171847 | A | G | 0.24 | 0.97 | 0.03 | 3.4E-01 | 0 | 0.11 | 0.22 | I/I | 2.2E-01 | 0.97 | 6.7E-01 | 1.01 | 0.91 |
| rs45449696 | 105350178 | T | C | 0.35 | 1.03 | 0.03 | 3.4E-01 | 7.64 | 0.02 | 0.42 | I/I | 4.6E-01 | 1.02 | 3.5E-01 | 1.03 | 0.58 |
| rs113733555 | 105121501 | G | A | 0.29 | 1.03 | 0.03 | 3.4E-01 | 40.83 | <0.01 | 0.31 | I/I | 3.5E-01 | 1.03 | 6.0E-01 | 1.02 | 0.75 |
| rs76611205 | 105407525 | A | G | 0.03 | 1.06 | 0.07 | 3.4E-01 | 0 | <0.01 | 0.02 | I/I | 4.6E-01 | 1.05 | 5.5E-01 | 1.04 | 0.93 |
| rs77215854 | 105407327 | A | G | 0.03 | 1.06 | 0.07 | 3.4E-01 | 0 | <0.01 | 0.02 | I/I | 4.6E-01 | 1.05 | 5.5E-01 | 1.04 | 0.93 |
| rs2280797 | 105623612 | C | T | 0.48 | 1.02 | 0.02 | 3.4E-01 | 68.15 | <0.01 | 0.47 | I/I | 3.2E-01 | 1.02 | 3.7E-01 | 1.02 | 0.95 |
| rs3922890 | 105156410 | A | G | 0.26 | 1.03 | 0.03 | 3.4E-01 | 0 | <0.01 | 0.31 | I/I | 9.8E-01 | 1.00 | 4.8E-01 | 1.02 | 0.78 |
| rs28653208 | 104944563 | T | C | 0.05 | 1.05 | 0.05 | 3.4E-01 | 26.08 | 0.01 | 0.02 | I/I | 2.8E-01 | 1.06 | 3.0E-01 | 1.05 | 0.84 |
| rs79161962 | 105404014 | A | G | 0.03 | 1.06 | 0.07 | 3.4E-01 | 0 | <0.01 | 0.02 | I/I | 4.6E-01 | 1.05 | 5.5E-01 | 1.04 | 0.93 |
| rs2841271 | 105386983 | G | A | 0.03 | 1.06 | 0.06 | 3.4E-01 | 16.36 | <0.01 | 0.02 | I/I | 4.7E-01 | 1.05 | 5.6E-01 | 1.04 | 0.86 |
| rs139646784 | 105119988 | T | G | 0.16 | 1.04 | 0.04 | 3.4E-01 | 7.54 | <0.01 | 0.15 | I/I | 6.1E-01 | 1.02 | 7.7E-01 | 1.01 | 0.60 |
| rs117884483 | 105403677 | G | A | 0.03 | 1.06 | 0.07 | 3.4E-01 | 0 | <0.01 | 0.02 | I/I | 4.6E-01 | 1.05 | 5.5E-01 | 1.04 | 0.93 |
| rs7142340 | 105000311 | G | A | 0.21 | 0.97 | 0.03 | 3.4E-01 | 75.91 | <0.01 | 0.20 | I/I | 1.9E-01 | 0.96 | 2.6E-01 | 0.96 | 0.84 |
| rs111476325 | 105140384 | C | T | 0.08 | 1.04 | 0.04 | 3.4E-01 | 56.75 | <0.01 | 0.09 | I/I | 1.6E-01 | 1.06 | 2.8E-01 | 1.05 | 0.81 |
| rs12433350 | 105189056 | A | G | 0.45 | 0.98 | 0.02 | 3.4E-01 | 0 | 0.08 | 0.47 | I/I | 5.0E-01 | 1.02 | 9.1E-01 | 1.00 | 0.91 |
| rs12433746 | 105537476 | C | A | 0.29 | 1.02 | 0.02 | 3.4E-01 | 0 | <0.01 | 0.27 | G*/I | 3.5E-01 | 1.02 | 2.1E-01 | 1.03 | 0.95 |
| rs12885004 | 105386657 | A | G | 0.47 | 0.98 | 0.02 | 3.4E-01 | 61.75 | <0.01 | 0.48 | I/I | 2.5E-01 | 0.98 | 3.1E-01 | 0.98 | 0.92 |
| rs12888830 | 105052509 | G | A | 0.10 | 1.04 | 0.04 | 3.4E-01 | 2.69 | <0.01 | 0.12 | I/I | 5.1E-01 | 1.03 | 5.6E-01 | 1.02 | 0.84 |
| rs117846862 | 105398698 | A | C | 0.03 | 1.06 | 0.07 | 3.4E-01 | 0 | <0.01 | 0.02 | I/I | 4.6E-01 | 1.05 | 5.5E-01 | 1.04 | 0.93 |
| rs117045355 | 105479198 | A | G | 0.03 | 1.08 | 0.08 | 3.4E-01 | 0 | <0.01 | 0.08 | I/I | 4.6E-01 | 1.06 | 3.7E-01 | 1.07 | 0.67 |
| rs61745186 | 105398544 | G | A | 0.03 | 1.06 | 0.07 | 3.4E-01 | 0 | <0.01 | 0.02 | I/I | 4.6E-01 | 1.05 | 5.5E-01 | 1.04 | 0.93 |
| rs4403996 | 105582524 | A | G | 0.36 | 1.02 | 0.03 | 3.4E-01 | 0 | <0.01 | 0.39 | G*/I | 3.6E-01 | 1.02 | 2.3E-01 | 1.03 | 0.89 |
| rs4316687 | 105094058 | A | G | 0.30 | 1.03 | 0.03 | 3.4E-01 | 63.55 | 0.03 | 0.36 | I/I | 5.4E-01 | 1.02 | 7.1E-01 | 1.01 | 0.71 |
| rs74316182 | 105398392 | A | G | 0.03 | 1.06 | 0.07 | 3.4E-01 | 0 | <0.01 | 0.02 | I/I | 4.7E-01 | 1.05 | 5.5E-01 | 1.04 | 0.93 |
| rs2841268 | 105386039 | C | T | 0.49 | 0.98 | 0.02 | 3.4E-01 | 53.3 | <0.01 | 0.49 | I/I | 2.1E-01 | 0.97 | 2.4E-01 | 0.98 | 0.92 |
| rs78271134 | 104862876 | T | C | 0.02 | 1.09 | 0.09 | 3.4E-01 | 0 | 0.03 | 0.01 | I/I | 3.9E-01 | 1.08 | 4.1E-01 | 1.08 | 0.70 |
| rs36014607 | 105470963 | C | T | 0.10 | 0.97 | 0.03 | 3.4E-01 | 0 | <0.01 | 0.10 | I/I | 3.0E-01 | 0.97 | 2.1E-01 | 0.96 | 0.99 |
| rs117592050 | 105395958 | A | C | 0.03 | 1.06 | 0.07 | 3.4E-01 | 0 | <0.01 | 0.02 | I/I | 4.7E-01 | 1.05 | 5.5E-01 | 1.04 | 0.93 |
| rs7158069 | 104799327 | A | C | 0.31 | 0.97 | 0.03 | 3.4E-01 | 0 | <0.01 | 0.26 | I/I | 3.6E-01 | 0.97 | 3.6E-01 | 0.97 | 0.85 |
| rs71421876 | 105099639 | A | G | 0.03 | 1.08 | 0.08 | 3.4E-01 | 0 | <0.01 | 0.03 | I/I | 4.8E-01 | 1.06 | 2.3E-01 | 1.10 | 0.53 |
| rs28632777 | 104936245 | T | G | 0.07 | 1.04 | 0.04 | 3.4E-01 | 16.45 | 0.01 | 0.02 | I/I | 2.9E-01 | 1.05 | 3.0E-01 | 1.05 | 0.89 |
| rs80117472 | 105395446 | A | G | 0.03 | 1.06 | 0.07 | 3.5E-01 | 0 | <0.01 | 0.02 | I/I | 4.7E-01 | 1.05 | 5.6E-01 | 1.04 | 0.93 |
| rs117402111 | 105093420 | A | G | 0.06 | 1.06 | 0.06 | 3.5E-01 | 9.64 | <0.01 | 0.02 | I/I | 8.1E-01 | 1.01 | 1.9E-01 | 1.08 | 0.68 |
| rs10151777 | 105535103 | G | A | 0.29 | 1.02 | 0.02 | 3.5E-01 | 0 | <0.01 | 0.27 | I/I | 3.6E-01 | 1.02 | 2.1E-01 | 1.03 | 0.95 |
| rs113756269 | 105165143 | C | G | 0.04 | 0.93 | 0.08 | 3.5E-01 | 32.45 | 0.02 | 0.04 | I/I | 9.3E-01 | 1.01 | 7.9E-01 | 0.98 | 0.51 |
| rs7145271 | 104788591 | T | C | 0.30 | 0.97 | 0.03 | 3.5E-01 | 0 | <0.01 | 0.26 | I/I | 3.5E-01 | 0.97 | 3.4E-01 | 0.97 | 0.84 |
| rs4586355 | 104968898 | T | C | 0.22 | 0.97 | 0.03 | 3.5E-01 | 72.96 | <0.01 | 0.21 | I/I | 2.2E-01 | 0.96 | 2.2E-01 | 0.96 | 0.78 |
| rs2819438 | 105385352 | C | A | 0.14 | 1.03 | 0.03 | 3.5E-01 | 0 | <0.01 | 0.11 | I/I | 2.3E-01 | 1.04 | 1.4E-01 | 1.05 | 0.75 |
| rs35156277 | 105510475 | C | T | 0.07 | 0.96 | 0.04 | 3.5E-01 | 52.37 | 0.01 | 0.08 | I/I | 4.2E-01 | 0.97 | 3.8E-01 | 0.96 | 0.96 |
| rs143397232 | 105393772 | T | C | 0.03 | 1.06 | 0.07 | 3.5E-01 | 0 | <0.01 | 0.02 | I/I | 4.7E-01 | 1.05 | 5.6E-01 | 1.04 | 0.93 |
| rs140706020 | 105394614 | T | C | 0.03 | 1.06 | 0.07 | 3.5E-01 | 0 | <0.01 | 0.02 | I/I | 4.7E-01 | 1.05 | 5.6E-01 | 1.04 | 0.93 |
| rs11626476 | 104866481 | T | C | 0.21 | 0.97 | 0.03 | 3.5E-01 | 21.83 | <0.01 | 0.25 | I/I | 3.5E-01 | 0.97 | 3.3E-01 | 0.97 | 0.85 |
| rs10149868 | 105691041 | C | T | 0.29 | 1.02 | 0.02 | 3.5E-01 | 0 | <0.01 | 0.32 | I/I | 3.8E-01 | 1.02 | 4.1E-01 | 1.02 | 0.91 |
| rs72712098 | 105020043 | A | G | 0.02 | 1.10 | 0.10 | 3.5E-01 | 0 | <0.01 | 0.03 | I/I | 5.3E-01 | 1.07 | 4.5E-01 | 1.08 | 0.57 |
| rs142543394 | 105394414 | G | C | 0.03 | 1.06 | 0.07 | 3.5E-01 | 0 | <0.01 | 0.02 | I/I | 4.8E-01 | 1.05 | 5.6E-01 | 1.04 | 0.93 |
| rs4457938 | 105539859 | C | T | 0.27 | 1.02 | 0.03 | 3.5E-01 | 0 | <0.01 | 0.25 | I/I | 3.6E-01 | 1.02 | 2.3E-01 | 1.03 | 0.93 |
| rs75991636 | 105128104 | G | T | 0.36 | 1.03 | 0.03 | 3.5E-01 | 0 | <0.01 | 0.41 | I/I | 3.4E-01 | 1.03 | 5.7E-01 | 1.02 | 0.86 |
| rs28684681 | 104937554 | G | A | 0.06 | 1.04 | 0.04 | 3.5E-01 | 10.73 | 0.01 | 0.02 | G*/G | 2.9E-01 | 1.05 | 3.0E-01 | 1.05 | 0.92 |
| rs72706020 | 104823320 | G | C | 0.09 | 1.04 | 0.04 | 3.5E-01 | 0 | <0.01 | 0.08 | I/I | 4.1E-01 | 1.03 | 4.6E-01 | 1.03 | 0.89 |
| rs28795480 | 104930164 | C | G | 0.06 | 1.04 | 0.04 | 3.5E-01 | 2.36 | 0.01 | 0.02 | I/I | 2.8E-01 | 1.05 | 3.0E-01 | 1.05 | 0.90 |
| rs28797843 | 104929954 | A | C | 0.06 | 1.04 | 0.04 | 3.5E-01 | 2.37 | 0.01 | 0.02 | I/I | 2.8E-01 | 1.05 | 3.0E-01 | 1.05 | 0.90 |
| rs76667491 | 105393736 | C | G | 0.03 | 1.06 | 0.07 | 3.5E-01 | 0 | <0.01 | 0.02 | I/I | 4.8E-01 | 1.05 | 5.7E-01 | 1.04 | 0.93 |
| rs113893478 | 105276644 | T | C | 0.03 | 0.94 | 0.07 | 3.5E-01 | 55.74 | <0.01 | 0.04 | I/I | 9.8E-01 | 1.00 | 6.7E-01 | 0.97 | 0.63 |
| rs12892530 | 105454955 | T | C | 0.04 | 0.95 | 0.06 | 3.5E-01 | 0 | <0.01 | 0.05 | I/I | 4.4E-01 | 0.96 | 4.1E-01 | 0.95 | 0.89 |
| rs4900621 | 104790177 | A | G | 0.30 | 0.97 | 0.03 | 3.5E-01 | 0 | <0.01 | 0.25 | I/I | 3.6E-01 | 0.97 | 3.6E-01 | 0.97 | 0.85 |
| rs10145420 | 105069485 | C | T | 0.14 | 0.97 | 0.03 | 3.5E-01 | 0 | 0.01 | 0.17 | I/I | 3.9E-01 | 0.97 | 5.0E-01 | 0.98 | 0.91 |
| rs150825172 | 105391822 | A | G | 0.03 | 1.06 | 0.07 | 3.6E-01 | 0.14 | <0.01 | 0.02 | I/I | 4.8E-01 | 1.05 | 5.7E-01 | 1.04 | 0.93 |
| rs145887049 | 105567947 | A | G | 0.03 | 0.92 | 0.09 | 3.6E-01 | 75.48 | <0.01 | 0.03 | I/I | 3.3E-01 | 0.92 | 2.9E-01 | 0.91 | 0.69 |
| rs12589990 | 104851006 | G | T | 0.38 | 1.02 | 0.02 | 3.6E-01 | 0 | <0.01 | 0.44 | I/I | 4.1E-01 | 1.02 | 3.5E-01 | 1.02 | 0.79 |
| rs1128880 | 105185666 | T | G | 0.46 | 0.98 | 0.02 | 3.6E-01 | 0 | 0.08 | 0.47 | G*/I | 4.5E-01 | 1.02 | 9.8E-01 | 1.00 | 0.94 |
| rs6576051 | 105045922 | G | A | 0.26 | 1.02 | 0.03 | 3.6E-01 | 18.36 | <0.01 | 0.24 | I/I | 5.6E-01 | 1.02 | 5.3E-01 | 1.02 | 0.88 |
| rs12878152 | 104984014 | G | T | 0.36 | 0.98 | 0.03 | 3.6E-01 | 32.93 | <0.01 | 0.39 | G*/I | 2.9E-01 | 0.97 | 3.2E-01 | 0.97 | 0.87 |
| rs12889341 | 104872936 | C | G | 0.22 | 0.97 | 0.03 | 3.6E-01 | 0 | <0.01 | 0.25 | I/I | 3.6E-01 | 0.97 | 3.2E-01 | 0.97 | 0.93 |
| rs8021732 | 105063203 | G | A | 0.10 | 1.04 | 0.04 | 3.6E-01 | 49.46 | <0.01 | 0.09 | I/I | 3.1E-01 | 1.04 | 3.3E-01 | 1.04 | 0.91 |
| rs117222009 | 105348772 | G | A | 0.03 | 1.06 | 0.07 | 3.6E-01 | 0 | 0.02 | 0.01 | I/I | 7.6E-01 | 1.02 | 1.2E-01 | 1.11 | 0.69 |
| rs8022340 | 105063298 | C | G | 0.10 | 1.04 | 0.04 | 3.6E-01 | 48.8 | <0.01 | 0.09 | I/I | 3.1E-01 | 1.04 | 3.3E-01 | 1.04 | 0.91 |
| rs75823748 | 105579648 | A | T | 0.38 | 1.02 | 0.03 | 3.6E-01 | 0 | <0.01 | 0.39 | I/I | 3.8E-01 | 1.02 | 2.5E-01 | 1.03 | 0.86 |
| rs4983507 | 105093280 | A | T | 0.15 | 1.04 | 0.04 | 3.6E-01 | 51.52 | 0.01 | 0.16 | I/I | 3.4E-01 | 1.04 | 4.5E-01 | 1.03 | 0.68 |
| rs116455951 | 105119325 | T | C | 0.02 | 1.09 | 0.09 | 3.6E-01 | 0 | <0.01 | 0.01 | I/I | 6.3E-01 | 1.04 | 7.8E-01 | 1.03 | 0.80 |
| rs4983533 | 105178153 | T | C | 0.44 | 0.98 | 0.02 | 3.6E-01 | 0 | 0.09 | 0.49 | I/I | 4.1E-01 | 1.02 | 1.0E+00 | 1.00 | 0.90 |
| rs12891545 | 105468906 | G | A | 0.13 | 0.97 | 0.03 | 3.6E-01 | 0 | <0.01 | 0.12 | I/I | 2.8E-01 | 0.97 | 1.8E-01 | 0.96 | 0.98 |
| rs111239026 | 105541121 | T | C | 0.01 | 1.09 | 0.10 | 3.6E-01 | 0 | <0.01 | 0.02 | I/I | 6.0E-01 | 1.05 | 6.6E-01 | 1.04 | 0.87 |
| rs73361865 | 105062469 | G | C | 0.10 | 1.04 | 0.04 | 3.6E-01 | 49.08 | <0.01 | 0.09 | I/I | 3.1E-01 | 1.04 | 3.3E-01 | 1.04 | 0.91 |
| rs8007144 | 105586937 | T | G | 0.12 | 1.03 | 0.04 | 3.6E-01 | 0 | <0.01 | 0.12 | I/I | 4.4E-01 | 1.03 | 3.4E-01 | 1.03 | 0.92 |
| rs2582529 | 105388755 | G | A | 0.49 | 0.98 | 0.02 | 3.6E-01 | 54.3 | <0.01 | 0.49 | I/I | 2.3E-01 | 0.97 | 2.7E-01 | 0.98 | 0.95 |
| rs7141252 | 105020571 | C | T | 0.18 | 0.97 | 0.03 | 3.6E-01 | 0 | <0.01 | 0.18 | I/I | 3.5E-01 | 0.97 | 2.4E-01 | 0.96 | 0.85 |
| rs61316883 | 105411162 | T | C | 0.03 | 1.06 | 0.07 | 3.6E-01 | 0 | <0.01 | 0.02 | I/I | 4.9E-01 | 1.05 | 5.8E-01 | 1.04 | 0.93 |
| rs72707702 | 105664032 | C | G | 0.05 | 1.06 | 0.06 | 3.6E-01 | 0 | <0.01 | 0.05 | I/I | 3.5E-01 | 1.06 | 3.0E-01 | 1.06 | 0.76 |
| rs7144812 | 105064053 | C | G | 0.10 | 1.04 | 0.04 | 3.6E-01 | 48.43 | <0.01 | 0.09 | I/I | 3.1E-01 | 1.04 | 3.4E-01 | 1.04 | 0.91 |
| rs61997110 | 104787044 | C | T | 0.30 | 0.97 | 0.03 | 3.6E-01 | 0 | <0.01 | 0.25 | I/I | 3.7E-01 | 0.97 | 3.6E-01 | 0.97 | 0.85 |
| rs4906451 | 104805532 | A | C | 0.44 | 0.98 | 0.03 | 3.6E-01 | 0 | <0.01 | 0.39 | I/I | 4.3E-01 | 0.98 | 4.5E-01 | 0.98 | 0.83 |
| rs4983580 | 105565542 | G | T | 0.09 | 1.04 | 0.04 | 3.6E-01 | 0 | <0.01 | 0.11 | I/I | 4.3E-01 | 1.03 | 3.6E-01 | 1.04 | 0.89 |
| rs12590675 | 104783789 | T | C | 0.46 | 0.98 | 0.03 | 3.6E-01 | 0 | <0.01 | 0.48 | I/I | 4.0E-01 | 0.98 | 4.1E-01 | 0.98 | 0.85 |
| rs28583515 | 105434779 | T | C | 0.04 | 0.93 | 0.08 | 3.6E-01 | 0 | 0.01 | 0.02 | I/I | 3.3E-01 | 0.92 | 2.8E-01 | 0.91 | 0.67 |
| rs74592067 | 105040350 | A | G | 0.14 | 1.03 | 0.03 | 3.6E-01 | 0 | <0.01 | 0.13 | I/I | 4.3E-01 | 1.03 | 3.7E-01 | 1.03 | 0.84 |
| rs75678011 | 105347422 | T | G | 0.01 | 1.12 | 0.13 | 3.6E-01 | 0 | <0.01 | 0.03 | I/I | 2.2E-01 | 1.17 | 3.1E-01 | 1.14 | 0.43 |
| rs28822395 | 104932492 | C | T | 0.06 | 1.04 | 0.04 | 3.6E-01 | 9.94 | 0.01 | 0.02 | I/I | 2.9E-01 | 1.05 | 3.1E-01 | 1.05 | 0.89 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs7150242 | 104969887 | C | A | 0.24 | 0.97 | 0.03 | 3.7E-01 | 77.25 | <0.01 | 0.22 | I/I | 2.8E-01 | 0.97 | 2.5E-01 | 0.97 | 0.77 |
| rs2239284 | 105630489 | T | C | 0.48 | 1.02 | 0.02 | 3.7E-01 | 73.44 | <0.01 | 0.48 | I/I | 3.5E-01 | 1.02 | 4.1E-01 | 1.02 | 0.93 |
| rs10146459 | 105186333 | A | G | 0.46 | 0.98 | 0.02 | 3.7E-01 | 0 | 0.08 | 0.47 | I/I | 4.2E-01 | 1.02 | 9.6E-01 | 1.00 | 0.94 |
| rs192105564 | 104948342 | G | A | 0.05 | 1.05 | 0.05 | 3.7E-01 | 27.02 | 0.01 | 0.02 | I/I | 3.1E-01 | 1.05 | 3.3E-01 | 1.05 | 0.85 |
| rs79379044 | 104946143 | A | G | 0.06 | 1.05 | 0.05 | 3.7E-01 | 33.62 | 0.01 | 0.02 | I/I | 3.2E-01 | 1.05 | 3.3E-01 | 1.05 | 0.86 |
| rs28828521 | 104930536 | T | C | 0.06 | 1.04 | 0.04 | 3.7E-01 | 6.35 | 0.01 | 0.02 | I/I | 3.0E-01 | 1.05 | 3.1E-01 | 1.05 | 0.89 |
| rs4983375 | 105092769 | T | A | 0.48 | 1.03 | 0.03 | 3.7E-01 | 0 | 0.02 | 0.49 | I/I | 5.6E-01 | 1.02 | 6.7E-01 | 1.01 | 0.59 |
| rs117935415 | 105609692 | A | G | 0.03 | 0.93 | 0.08 | 3.7E-01 | 0 | 0.03 | 0.02 | I/I | 3.4E-01 | 0.93 | 3.7E-01 | 0.93 | 0.53 |
| rs58218156 | 105498601 | C | A | 0.10 | 0.97 | 0.03 | 3.7E-01 | 0 | <0.01 | 0.11 | I/I | 3.3E-01 | 0.97 | 2.3E-01 | 0.96 | 0.98 |
| rs73361863 | 105062002 | G | A | 0.10 | 1.04 | 0.04 | 3.7E-01 | 50.58 | <0.01 | 0.09 | I/I | 3.2E-01 | 1.04 | 3.4E-01 | 1.04 | 0.91 |
| rs8016851 | 104786726 | T | A | 0.30 | 0.97 | 0.03 | 3.7E-01 | 0 | <0.01 | 0.25 | I/I | 3.7E-01 | 0.98 | 3.7E-01 | 0.97 | 0.85 |
| rs28873160 | 104932812 | T | G | 0.06 | 1.04 | 0.04 | 3.7E-01 | 10.14 | 0.01 | 0.02 | I/I | 3.0E-01 | 1.05 | 3.1E-01 | 1.05 | 0.91 |
| rs12891330 | 105468701 | T | C | 0.13 | 0.97 | 0.03 | 3.7E-01 | 0 | <0.01 | 0.12 | I/I | 2.9E-01 | 0.97 | 1.8E-01 | 0.96 | 0.98 |
| rs11625738 | 105084994 | A | C | 0.14 | 0.97 | 0.03 | 3.7E-01 | 0 | 0.02 | 0.18 | G*/I | 3.8E-01 | 0.97 | 5.0E-01 | 0.98 | 0.93 |
| rs77453682 | 105695364 | T | C | 0.05 | 1.06 | 0.06 | 3.7E-01 | 0 | <0.01 | 0.05 | I/I | 3.6E-01 | 1.06 | 2.9E-01 | 1.07 | 0.59 |
| rs60129832 | 104838761 | A | G | 0.23 | 0.97 | 0.03 | 3.7E-01 | 0 | <0.01 | 0.24 | I/I | 4.6E-01 | 0.98 | 4.4E-01 | 0.98 | 0.82 |
| rs4307891 | 105019955 | A | G | 0.07 | 1.04 | 0.05 | 3.7E-01 | 57.79 | <0.01 | 0.06 | I/I | 2.9E-01 | 1.05 | 2.5E-01 | 1.05 | 0.82 |
| rs12896116 | 104983370 | T | C | 0.18 | 0.97 | 0.03 | 3.7E-01 | 0 | <0.01 | 0.14 | I/I | 3.7E-01 | 0.97 | 3.0E-01 | 0.97 | 0.83 |
| rs60808852 | 104838569 | G | A | 0.31 | 0.97 | 0.03 | 3.7E-01 | 0 | <0.01 | 0.32 | I/I | 4.2E-01 | 0.98 | 4.4E-01 | 0.98 | 0.84 |
| rs8021437 | 104838124 | A | T | 0.31 | 0.97 | 0.03 | 3.7E-01 | 0 | <0.01 | 0.32 | I/I | 4.2E-01 | 0.98 | 4.4E-01 | 0.98 | 0.84 |
| rs4267251 | 105588928 | G | A | 0.12 | 1.03 | 0.04 | 3.7E-01 | 0 | <0.01 | 0.12 | I/I | 4.6E-01 | 1.03 | 3.5E-01 | 1.03 | 0.92 |
| rs10135029 | 105117810 | A | G | 0.26 | 1.03 | 0.03 | 3.7E-01 | 39.46 | 0.02 | 0.30 | I/I | 5.4E-01 | 1.02 | 7.5E-01 | 1.01 | 0.78 |
| rs7148206 | 104894901 | T | C | 0.20 | 0.97 | 0.03 | 3.7E-01 | 0 | <0.01 | 0.25 | I/I | 3.8E-01 | 0.97 | 3.4E-01 | 0.97 | 0.85 |
| rs11626849 | 104750087 | C | T | 0.39 | 1.03 | 0.03 | 3.7E-01 | 0 | <0.01 | 0.42 | I/I | 3.5E-01 | 1.03 | 4.1E-01 | 1.02 | 0.70 |
| rs10133292 | 105457161 | C | T | 0.13 | 0.97 | 0.03 | 3.7E-01 | 0 | <0.01 | 0.12 | I/I | 3.0E-01 | 0.97 | 1.9E-01 | 0.96 | 0.98 |
| rs59804769 | 105122710 | C | T | 0.11 | 1.04 | 0.04 | 3.7E-01 | 35.56 | <0.01 | 0.10 | I/I | 3.1E-01 | 1.04 | 4.4E-01 | 1.03 | 0.79 |
| rs8020667 | 104838191 | T | G | 0.31 | 0.97 | 0.03 | 3.7E-01 | 0 | <0.01 | 0.32 | I/I | 4.3E-01 | 0.98 | 4.5E-01 | 0.98 | 0.84 |
| rs10431753 | 104762684 | T | G | 0.16 | 0.97 | 0.04 | 3.8E-01 | 0 | <0.01 | 0.19 | I/I | 4.0E-01 | 0.97 | 4.0E-01 | 0.97 | 0.78 |
| rs10136937 | 105078153 | T | C | 0.15 | 0.97 | 0.03 | 3.8E-01 | 0 | 0.02 | 0.17 | G*/I | 3.9E-01 | 0.97 | 5.2E-01 | 0.98 | 0.93 |
| rs4340263 | 105078251 | T | C | 0.15 | 0.97 | 0.03 | 3.8E-01 | 0 | 0.02 | 0.17 | G*/I | 3.9E-01 | 0.97 | 5.2E-01 | 0.98 | 0.93 |
| rs7155652 | 105057102 | G | A | 0.34 | 0.98 | 0.03 | 3.8E-01 | 0 | 0.01 | 0.39 | I/I | 3.5E-01 | 0.97 | 3.6E-01 | 0.98 | 0.85 |
| rs4983532 | 105178098 | C | G | 0.44 | 0.98 | 0.02 | 3.8E-01 | 0 | 0.09 | 0.49 | I/I | 4.0E-01 | 1.02 | 9.7E-01 | 1.00 | 0.90 |
| rs8020729 | 104838403 | T | C | 0.31 | 0.97 | 0.03 | 3.8E-01 | 0 | <0.01 | 0.32 | I/I | 4.2E-01 | 0.98 | 4.5E-01 | 0.98 | 0.84 |
| rs56870907 | 104756421 | C | G | 0.15 | 1.03 | 0.04 | 3.8E-01 | 0 | <0.01 | 0.12 | I/I | 3.7E-01 | 1.04 | 4.2E-01 | 1.03 | 0.60 |
| rs181382168 | 105549957 | A | C | 0.08 | 0.95 | 0.06 | 3.8E-01 | 19.21 | <0.01 | 0.06 | I/I | 5.4E-01 | 0.96 | 4.5E-01 | 0.96 | 0.48 |
| rs8011909 | 105524142 | C | T | 0.29 | 1.02 | 0.02 | 3.8E-01 | 0 | <0.01 | 0.29 | I/I | 4.1E-01 | 1.02 | 2.4E-01 | 1.03 | 0.92 |
| rs28399812 | 104937659 | A | G | 0.06 | 1.04 | 0.04 | 3.8E-01 | 10.49 | 0.01 | 0.02 | I/I | 3.1E-01 | 1.05 | 3.2E-01 | 1.04 | 0.92 |
| rs79483088 | 104937598 | C | T | 0.06 | 1.04 | 0.04 | 3.8E-01 | 10.49 | 0.01 | 0.02 | I/I | 3.1E-01 | 1.05 | 3.2E-01 | 1.04 | 0.92 |
| rs7142224 | 105066885 | C | T | 0.14 | 0.97 | 0.03 | 3.8E-01 | 0 | 0.01 | 0.17 | I/I | 4.1E-01 | 0.97 | 5.3E-01 | 0.98 | 0.91 |
| rs10137730 | 104834457 | T | C | 0.09 | 1.04 | 0.04 | 3.8E-01 | 0 | <0.01 | 0.08 | I/I | 4.3E-01 | 1.03 | 4.9E-01 | 1.03 | 0.90 |
| rs8020156 | 104838158 | G | A | 0.31 | 0.97 | 0.03 | 3.8E-01 | 0 | <0.01 | 0.32 | I/I | 4.3E-01 | 0.98 | 4.5E-01 | 0.98 | 0.84 |
| rs76817967 | 105060361 | T | C | 0.10 | 1.03 | 0.04 | 3.8E-01 | 49.38 | <0.01 | 0.09 | I/I | 3.3E-01 | 1.04 | 3.5E-01 | 1.04 | 0.91 |
| rs4243748 | 104805674 | G | A | 0.44 | 0.98 | 0.03 | 3.8E-01 | 0 | <0.01 | 0.39 | I/I | 4.6E-01 | 0.98 | 4.7E-01 | 0.98 | 0.83 |
| rs56283836 | 104834132 | A | G | 0.09 | 1.04 | 0.04 | 3.8E-01 | 0 | <0.01 | 0.08 | I/I | 4.3E-01 | 1.03 | 4.9E-01 | 1.03 | 0.90 |
| rs12431388 | 105139302 | A | G | 0.08 | 1.04 | 0.04 | 3.8E-01 | 48.33 | <0.01 | 0.09 | I/I | 1.8E-01 | 1.06 | 3.1E-01 | 1.05 | 0.81 |
| rs3001424 | 105386765 | G | A | 0.49 | 0.98 | 0.02 | 3.8E-01 | 51.89 | <0.01 | 0.49 | I/I | 2.4E-01 | 0.98 | 2.8E-01 | 0.98 | 0.93 |
| rs11621759 | 104984573 | C | T | 0.21 | 0.97 | 0.03 | 3.8E-01 | 77.08 | <0.01 | 0.18 | G*/I | 2.6E-01 | 0.97 | 3.0E-01 | 0.97 | 0.88 |
| rs57898178 | 104817201 | G | C | 0.09 | 1.03 | 0.04 | 3.8E-01 | 0 | <0.01 | 0.08 | I/I | 4.5E-01 | 1.03 | 4.9E-01 | 1.03 | 0.90 |
| rs112819612 | 104759170 | G | C | 0.03 | 1.06 | 0.07 | 3.8E-01 | 0 | <0.01 | 0.02 | I/I | 4.6E-01 | 1.05 | 4.6E-01 | 1.05 | 0.76 |
| rs4983531 | 105178089 | C | T | 0.44 | 0.98 | 0.02 | 3.8E-01 | 0 | 0.09 | 0.48 | I/I | 3.8E-01 | 1.02 | 9.6E-01 | 1.00 | 0.89 |
| rs28483031 | 104841554 | T | C | 0.28 | 0.97 | 0.03 | 3.8E-01 | 0 | 0.02 | 0.25 | I/I | 4.1E-01 | 0.98 | 3.8E-01 | 0.97 | 0.76 |
| rs34011356 | 105497500 | A | G | 0.11 | 0.97 | 0.03 | 3.8E-01 | 0 | <0.01 | 0.11 | I/I | 3.4E-01 | 0.97 | 2.4E-01 | 0.96 | 0.98 |
| rs35246301 | 105052640 | G | A | 0.10 | 1.04 | 0.04 | 3.8E-01 | 0 | <0.01 | 0.12 | I/I | 5.6E-01 | 1.02 | 6.2E-01 | 1.02 | 0.83 |
| rs35153311 | 105458555 | C | T | 0.13 | 0.97 | 0.03 | 3.8E-01 | 0 | 0.01 | 0.12 | I/I | 3.0E-01 | 0.97 | 1.9E-01 | 0.96 | 0.98 |
| rs4983506 | 105092479 | C | T | 0.11 | 0.97 | 0.03 | 3.8E-01 | 0 | <0.01 | 0.15 | G/G | 2.0E-01 | 0.96 | 2.9E-01 | 0.97 | 1.00 |
| rs74781693 | 105013006 | A | G | 0.13 | 1.03 | 0.04 | 3.8E-01 | 65.04 | <0.01 | 0.14 | I/I | 4.5E-01 | 1.03 | 5.4E-01 | 1.02 | 0.78 |
| rs138690995 | 105498597 | C | A | 0.10 | 0.97 | 0.03 | 3.8E-01 | 0 | <0.01 | 0.11 | I/I | 3.4E-01 | 0.97 | 2.4E-01 | 0.96 | 0.98 |
| rs10151804 | 105469903 | A | G | 0.10 | 0.97 | 0.03 | 3.8E-01 | 0 | <0.01 | 0.10 | I/I | 3.4E-01 | 0.97 | 2.4E-01 | 0.96 | 0.99 |
| rs79723170 | 104934067 | A | G | 0.06 | 1.04 | 0.04 | 3.8E-01 | 8.97 | 0.01 | 0.02 | I/I | 3.1E-01 | 1.05 | 3.3E-01 | 1.04 | 0.91 |
| rs8007382 | 104780989 | T | C | 0.30 | 0.98 | 0.03 | 3.8E-01 | 0 | <0.01 | 0.25 | I/I | 3.8E-01 | 0.98 | 3.8E-01 | 0.98 | 0.85 |
| rs34536859 | 105497910 | A | G | 0.11 | 0.97 | 0.03 | 3.8E-01 | 0 | <0.01 | 0.11 | I/I | 3.4E-01 | 0.97 | 2.4E-01 | 0.96 | 0.98 |
| rs12884743 | 105052256 | A | G | 0.10 | 1.04 | 0.04 | 3.8E-01 | 0 | <0.01 | 0.12 | I/I | 5.6E-01 | 1.02 | 6.2E-01 | 1.02 | 0.84 |
| rs4994393 | 105149693 | T | C | 0.11 | 1.04 | 0.05 | 3.8E-01 | 46.93 | <0.01 | 0.11 | I/I | 9.4E-01 | 1.00 | 9.3E-01 | 1.00 | 0.53 |
| rs10129754 | 105075608 | T | A | 0.15 | 0.97 | 0.03 | 3.8E-01 | 0 | 0.02 | 0.17 | I/I | 4.0E-01 | 0.97 | 5.3E-01 | 0.98 | 0.92 |
| rs116763141 | 105120360 | C | A | 0.02 | 1.08 | 0.09 | 3.8E-01 | 0 | <0.01 | 0.01 | I/I | 6.7E-01 | 1.04 | 8.1E-01 | 1.02 | 0.80 |
| rs7147154 | 105081712 | A | T | 0.14 | 0.97 | 0.03 | 3.8E-01 | 0 | 0.02 | 0.17 | I/I | 4.1E-01 | 0.97 | 5.3E-01 | 0.98 | 0.93 |
| rs78379306 | 105278345 | C | A | 0.16 | 1.03 | 0.04 | 3.8E-01 | 0 | 0.08 | 0.16 | I/I | 9.4E-01 | 1.00 | 8.2E-01 | 0.99 | 0.53 |
| rs190063165 | 105310454 | G | C | 0.04 | 1.06 | 0.07 | 3.8E-01 | 26.25 | <0.01 | 0.02 | I/I | 7.8E-01 | 1.02 | 7.8E-01 | 1.02 | 0.63 |
| rs10135463 | 105110944 | A | G | 0.11 | 1.04 | 0.04 | 3.8E-01 | 41.64 | <0.01 | 0.13 | I/I | 3.0E-01 | 1.04 | 3.7E-01 | 1.04 | 0.86 |
| rs10873550 | 105127721 | C | T | 0.37 | 1.02 | 0.03 | 3.9E-01 | 0 | 0.01 | 0.41 | I/I | 3.9E-01 | 1.02 | 6.3E-01 | 1.01 | 0.86 |
| rs10133538 | 104815368 | A | G | 0.09 | 1.03 | 0.04 | 3.9E-01 | 0 | <0.01 | 0.08 | I/I | 4.5E-01 | 1.03 | 5.0E-01 | 1.03 | 0.90 |
| rs4360859 | 105620688 | A | G | 0.11 | 0.97 | 0.04 | 3.9E-01 | 0 | <0.01 | 0.14 | I/I | 4.9E-01 | 0.97 | 5.0E-01 | 0.97 | 0.86 |
| rs72705793 | 105585135 | G | A | 0.13 | 1.03 | 0.04 | 3.9E-01 | 0 | <0.01 | 0.12 | I/I | 4.2E-01 | 1.03 | 5.4E-01 | 1.02 | 0.88 |
| rs57108735 | 105391474 | T | G | 0.03 | 1.06 | 0.07 | 3.9E-01 | 0.83 | <0.01 | 0.02 | I/I | 5.2E-01 | 1.04 | 6.1E-01 | 1.03 | 0.93 |
| rs4075358 | 105125821 | A | G | 0.37 | 1.02 | 0.03 | 3.9E-01 | 0 | 0.01 | 0.41 | I/I | 3.9E-01 | 1.02 | 6.4E-01 | 1.01 | 0.86 |
| rs56110037 | 105346240 | T | C | 0.50 | 1.02 | 0.02 | 3.9E-01 | 0 | 0.03 | 0.49 | I/I | 9.5E-02 | 1.04 | 1.2E-01 | 1.04 | 0.79 |
| rs10150496 | 105500415 | C | T | 0.10 | 0.97 | 0.03 | 3.9E-01 | 0 | <0.01 | 0.10 | I/I | 3.5E-01 | 0.97 | 2.5E-01 | 0.96 | 0.98 |
| rs4454893 | 105066444 | C | T | 0.14 | 0.97 | 0.03 | 3.9E-01 | 0 | 0.01 | 0.17 | I/I | 4.2E-01 | 0.97 | 5.4E-01 | 0.98 | 0.91 |
| rs35980174 | 105497619 | C | T | 0.11 | 0.97 | 0.03 | 3.9E-01 | 0 | <0.01 | 0.11 | I/I | 3.5E-01 | 0.97 | 2.4E-01 | 0.96 | 0.98 |
| rs62639547 | 104791458 | G | T | 0.06 | 0.95 | 0.06 | 3.9E-01 | 0 | <0.01 | 0.05 | I/I | 3.7E-01 | 0.95 | 3.8E-01 | 0.95 | 0.63 |
| rs147878777 | 105662871 | T | C | 0.04 | 1.06 | 0.07 | 3.9E-01 | 0 | 0.03 | 0.04 | I/I | 6.4E-01 | 1.03 | 1.9E-01 | 1.09 | 0.60 |
| rs10133168 | 105436222 | G | A | 0.07 | 0.96 | 0.05 | 3.9E-01 | 51.11 | 0.02 | 0.05 | I/I | 3.3E-01 | 0.95 | 2.3E-01 | 0.94 | 0.80 |
| rs4983516 | 105109483 | G | C | 0.11 | 1.04 | 0.04 | 3.9E-01 | 40.98 | <0.01 | 0.13 | I/I | 3.0E-01 | 1.04 | 3.7E-01 | 1.04 | 0.86 |
| rs7152287 | 104779375 | G | A | 0.31 | 0.98 | 0.03 | 3.9E-01 | 0 | <0.01 | 0.26 | I/I | 3.9E-01 | 0.98 | 3.9E-01 | 0.98 | 0.85 |
| rs7155741 | 105581451 | C | A | 0.11 | 0.96 | 0.04 | 3.9E-01 | 0 | <0.01 | 0.13 | I/I | 3.6E-01 | 0.96 | 3.5E-01 | 0.96 | 0.83 |
| rs8017427 | 105001940 | C | T | 0.10 | 1.04 | 0.05 | 3.9E-01 | 0 | <0.01 | 0.10 | I/I | 4.4E-01 | 1.04 | 4.8E-01 | 1.04 | 0.54 |
| rs4243747 | 104805672 | C | T | 0.44 | 0.98 | 0.03 | 3.9E-01 | 0 | <0.01 | 0.39 | I/I | 4.7E-01 | 0.98 | 4.9E-01 | 0.98 | 0.83 |
| rs3809459 | 105058625 | A | G | 0.27 | 0.98 | 0.03 | 3.9E-01 | 45.25 | <0.01 | 0.34 | I/I | 4.5E-01 | 0.98 | 4.9E-01 | 0.98 | 0.85 |
| rs11628111 | 105079717 | G | A | 0.15 | 0.97 | 0.03 | 3.9E-01 | 0 | 0.02 | 0.17 | G*/I | 4.1E-01 | 0.97 | 5.3E-01 | 0.98 | 0.93 |
| rs12435152 | 104878744 | T | C | 0.21 | 0.98 | 0.03 | 3.9E-01 | 9.78 | <0.01 | 0.25 | I/I | 4.0E-01 | 0.98 | 3.6E-01 | 0.97 | 0.91 |
| rs10135843 | 105500158 | T | C | 0.10 | 0.97 | 0.03 | 3.9E-01 | 0 | <0.01 | 0.10 | I/I | 3.5E-01 | 0.97 | 2.5E-01 | 0.96 | 0.98 |
| rs4900618 | 104779833 | C | T | 0.31 | 0.98 | 0.03 | 3.9E-01 | 0 | <0.01 | 0.26 | I/I | 3.9E-01 | 0.98 | 3.9E-01 | 0.98 | 0.85 |
| rs12878000 | 105505270 | T | C | 0.10 | 0.97 | 0.03 | 3.9E-01 | 0 | <0.01 | 0.10 | I/I | 3.6E-01 | 0.97 | 2.5E-01 | 0.96 | 0.97 |
| rs61998886 | 105102143 | C | A | 0.02 | 0.91 | 0.11 | 3.9E-01 | 50.12 | 0.01 | 0.02 | I/I | 6.7E-01 | 0.95 | 5.6E-01 | 0.94 | 0.45 |
| rs3809458 | 105058758 | C | A | 0.27 | 0.98 | 0.03 | 3.9E-01 | 45.36 | <0.01 | 0.34 | I/I | 4.5E-01 | 0.98 | 4.9E-01 | 0.98 | 0.85 |
| rs7156192 | 104751797 | C | T | 0.39 | 1.02 | 0.03 | 3.9E-01 | 0 | <0.01 | 0.42 | I/I | 3.6E-01 | 1.03 | 4.2E-01 | 1.02 | 0.68 |
| rs74903842 | 104840984 | A | G | 0.18 | 1.03 | 0.04 | 3.9E-01 | 0 | <0.01 | 0.18 | I/I | 4.6E-01 | 1.03 | 3.8E-01 | 1.03 | 0.78 |
| rs34343160 | 105112054 | A | C | 0.03 | 1.07 | 0.08 | 3.9E-01 | 0 | <0.01 | 0.03 | I/I | 5.5E-01 | 1.05 | 2.7E-01 | 1.09 | 0.53 |
| rs4900620 | 104782790 | C | A | 0.32 | 0.98 | 0.03 | 3.9E-01 | 0 | <0.01 | 0.28 | I/I | 4.1E-01 | 0.98 | 4.0E-01 | 0.98 | 0.84 |
| rs7161729 | 105003060 | C | T | 0.16 | 0.97 | 0.03 | 3.9E-01 | 18.51 | <0.01 | 0.17 | I/I | 4.7E-01 | 0.98 | 5.6E-01 | 0.98 | 0.75 |
| rs2582498 | 105430121 | C | T | 0.08 | 1.04 | 0.05 | 3.9E-01 | 71.04 | 0.02 | 0.04 | I/I | 5.1E-01 | 1.03 | 5.5E-01 | 1.03 | 0.68 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs75364586 | 105396269 | T | C | 0.03 | 1.06 | 0.07 | 3.9E-01 | 0 | <0.01 | 0.02 | I/I | 5.1E-01 | 1.05 | 5.9E-01 | 1.04 | 0.91 |
| rs2396457 | 105417766 | A | G | 0.06 | 0.95 | 0.06 | 3.9E-01 | 52.11 | <0.01 | 0.06 | I/I | 3.2E-01 | 0.95 | 2.3E-01 | 0.94 | 0.70 |
| rs4304959 | 104875537 | G | T | 0.22 | 0.98 | 0.03 | 3.9E-01 | 6.13 | <0.01 | 0.25 | I/I | 3.9E-01 | 0.98 | 3.5E-01 | 0.97 | 0.92 |
| rs10873543 | 104799002 | C | T | 0.31 | 0.98 | 0.03 | 3.9E-01 | 0 | <0.01 | 0.26 | I/I | 4.0E-01 | 0.98 | 4.0E-01 | 0.98 | 0.85 |
| rs2816663 | 105596731 | A | G | 0.35 | 1.02 | 0.03 | 3.9E-01 | 0 | <0.01 | 0.36 | I/I | 4.2E-01 | 1.02 | 2.7E-01 | 1.03 | 0.87 |
| rs10137691 | 105079467 | C | T | 0.15 | 0.97 | 0.03 | 3.9E-01 | 0 | 0.02 | 0.17 | G*/I | 4.1E-01 | 0.97 | 5.4E-01 | 0.98 | 0.93 |
| rs4288925 | 105585347 | A | G | 0.08 | 1.04 | 0.04 | 4.0E-01 | 0 | <0.01 | 0.09 | G*/I | 4.6E-01 | 1.03 | 3.9E-01 | 1.04 | 0.91 |
| rs7149759 | 105086306 | T | C | 0.08 | 1.04 | 0.04 | 4.0E-01 | 57.04 | <0.01 | 0.09 | I/I | 3.4E-01 | 1.04 | 3.6E-01 | 1.04 | 0.93 |
| rs10135130 | 105079171 | C | T | 0.15 | 0.97 | 0.03 | 4.0E-01 | 0 | 0.02 | 0.17 | G*/I | 4.1E-01 | 0.97 | 5.4E-01 | 0.98 | 0.93 |
| rs78565684 | 104949744 | C | T | 0.06 | 1.04 | 0.05 | 4.0E-01 | 31.62 | 0.01 | 0.02 | I/I | 3.5E-01 | 1.05 | 3.6E-01 | 1.05 | 0.86 |
| rs6576035 | 104861468 | A | G | 0.02 | 1.08 | 0.09 | 4.0E-01 | 0 | 0.03 | 0.01 | I/I | 4.6E-01 | 1.07 | 4.8E-01 | 1.07 | 0.69 |
| rs11628117 | 104795151 | A | G | 0.30 | 0.98 | 0.03 | 4.0E-01 | 0 | <0.01 | 0.25 | I/I | 4.0E-01 | 0.98 | 4.0E-01 | 0.98 | 0.85 |
| rs8016394 | 104982879 | T | C | 0.21 | 0.97 | 0.03 | 4.0E-01 | 74.42 | <0.01 | 0.18 | I/I | 2.8E-01 | 0.97 | 3.1E-01 | 0.97 | 0.87 |
| rs7158841 | 105128025 | C | G | 0.37 | 1.02 | 0.03 | 4.0E-01 | 0 | 0.01 | 0.41 | I/I | 4.0E-01 | 1.02 | 6.5E-01 | 1.01 | 0.86 |
| rs8018619 | 104977500 | A | T | 0.43 | 1.02 | 0.03 | 4.0E-01 | 43.36 | <0.01 | 0.41 | I/I | 5.3E-01 | 1.02 | 4.3E-01 | 1.02 | 0.65 |
| rs116954970 | 105147901 | G | A | 0.02 | 0.92 | 0.10 | 4.0E-01 | 7.5 | 0.06 | 0.04 | I/I | 4.4E-01 | 0.93 | 4.1E-01 | 0.92 | 0.51 |
| rs74605003 | 104931304 | A | G | 0.06 | 1.04 | 0.04 | 4.0E-01 | 9.65 | 0.01 | 0.02 | I/I | 3.2E-01 | 1.04 | 3.4E-01 | 1.04 | 0.91 |
| rs12879330 | 105060024 | G | A | 0.27 | 0.98 | 0.03 | 4.0E-01 | 44.34 | <0.01 | 0.34 | I/I | 4.6E-01 | 0.98 | 5.0E-01 | 0.98 | 0.85 |
| rs4983567 | 104983536 | T | C | 0.21 | 0.97 | 0.03 | 4.0E-01 | 76.94 | <0.01 | 0.18 | I/I | 2.8E-01 | 0.97 | 3.1E-01 | 0.97 | 0.88 |
| rs10220575 | 105641485 | C | T | 0.11 | 0.97 | 0.04 | 4.0E-01 | 0 | <0.01 | 0.14 | G*/I | 5.4E-01 | 0.98 | 5.3E-01 | 0.98 | 0.86 |
| rs11624098 | 104746900 | T | C | 0.23 | 1.03 | 0.03 | 4.0E-01 | 0 | <0.01 | 0.28 | I/I | 4.0E-01 | 1.03 | 4.4E-01 | 1.02 | 0.70 |
| rs8005538 | 105097284 | A | T | 0.30 | 1.02 | 0.03 | 4.0E-01 | 61.59 | 0.03 | 0.36 | I/I | 6.5E-01 | 1.01 | 8.5E-01 | 1.01 | 0.78 |
| rs11160806 | 104876720 | C | A | 0.22 | 0.98 | 0.03 | 4.0E-01 | 0 | <0.01 | 0.25 | I/I | 4.0E-01 | 0.98 | 3.6E-01 | 0.98 | 0.92 |
| rs4243745 | 104776139 | A | G | 0.31 | 0.98 | 0.03 | 4.0E-01 | 0 | <0.01 | 0.26 | I/I | 4.0E-01 | 0.98 | 4.0E-01 | 0.98 | 0.84 |
| rs144323040 | 105417396 | G | C | 0.04 | 1.05 | 0.06 | 4.0E-01 | 0 | <0.01 | 0.04 | I/I | 5.4E-01 | 1.04 | 6.5E-01 | 1.03 | 0.82 |
| rs71423804 | 105480067 | A | G | 0.05 | 0.96 | 0.05 | 4.0E-01 | 16.11 | <0.01 | 0.06 | I/I | 5.2E-01 | 0.97 | 4.8E-01 | 0.96 | 0.90 |
| rs56043710 | 104877500 | G | A | 0.22 | 0.98 | 0.03 | 4.0E-01 | 4.21 | <0.01 | 0.25 | I/I | 4.0E-01 | 0.98 | 3.7E-01 | 0.98 | 0.91 |
| rs117545408 | 105006134 | G | A | 0.06 | 1.05 | 0.06 | 4.0E-01 | 14.25 | <0.01 | 0.04 | I/I | 6.8E-01 | 1.03 | 2.6E-01 | 1.07 | 0.54 |
| rs3825765 | 105532812 | G | A | 0.27 | 1.02 | 0.02 | 4.0E-01 | 0 | <0.01 | 0.25 | I/I | 4.1E-01 | 1.02 | 2.7E-01 | 1.03 | 0.94 |
| rs12436101 | 105119532 | A | G | 0.08 | 1.04 | 0.05 | 4.0E-01 | 50.81 | <0.01 | 0.09 | I/I | 2.2E-01 | 1.06 | 3.1E-01 | 1.05 | 0.79 |
| rs10150848 | 105500760 | A | T | 0.24 | 1.02 | 0.02 | 4.0E-01 | 0 | <0.01 | 0.24 | G/G | 3.7E-01 | 1.02 | 2.5E-01 | 1.03 | 0.99 |
| rs184625231 | 104841704 | G | A | 0.04 | 0.95 | 0.07 | 4.1E-01 | 0 | <0.01 | 0.01 | I/I | 4.5E-01 | 0.95 | 4.1E-01 | 0.95 | 0.69 |
| rs4983511 | 105100021 | T | C | 0.14 | 1.03 | 0.04 | 4.1E-01 | 48.39 | 0.01 | 0.16 | G*/I | 3.6E-01 | 1.03 | 5.0E-01 | 1.03 | 0.86 |
| rs4074077 | 105126354 | C | A | 0.37 | 1.02 | 0.03 | 4.1E-01 | 0 | 0.01 | 0.41 | G*/I | 4.2E-01 | 1.02 | 6.7E-01 | 1.01 | 0.87 |
| rs73363386 | 105470192 | G | A | 0.09 | 0.97 | 0.04 | 4.1E-01 | 0 | <0.01 | 0.08 | I/I | 3.5E-01 | 0.96 | 2.5E-01 | 0.96 | 0.92 |
| rs7147439 | 105523663 | A | G | 0.27 | 1.02 | 0.02 | 4.1E-01 | 0 | <0.01 | 0.25 | I/I | 4.0E-01 | 1.02 | 2.6E-01 | 1.03 | 0.93 |
| rs28669700 | 104753219 | G | A | 0.40 | 1.02 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.42 | I/I | 3.8E-01 | 1.03 | 4.4E-01 | 1.02 | 0.66 |
| rs4900619 | 104782751 | G | A | 0.31 | 0.98 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.26 | I/I | 4.1E-01 | 0.98 | 4.1E-01 | 0.98 | 0.85 |
| rs7142008 | 105678266 | A | G | 0.29 | 1.02 | 0.02 | 4.1E-01 | 0 | <0.01 | 0.32 | I/I | 4.5E-01 | 1.02 | 4.8E-01 | 1.02 | 0.94 |
| rs7153225 | 104779130 | A | T | 0.31 | 0.98 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.26 | I/I | 4.1E-01 | 0.98 | 4.1E-01 | 0.98 | 0.85 |
| rs4265747 | 104841309 | C | T | 0.23 | 1.02 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.24 | I/I | 4.8E-01 | 1.02 | 5.0E-01 | 1.02 | 0.79 |
| rs76902772 | 104917787 | A | G | 0.07 | 1.04 | 0.04 | 4.1E-01 | 0 | 0.01 | 0.03 | I/I | 3.7E-01 | 1.04 | 3.9E-01 | 1.04 | 0.83 |
| rs7153433 | 104837477 | A | G | 0.31 | 0.98 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.31 | I/I | 4.6E-01 | 0.98 | 4.8E-01 | 0.98 | 0.84 |
| rs10151705 | 105108984 | C | A | 0.11 | 1.03 | 0.04 | 4.1E-01 | 42.41 | <0.01 | 0.13 | I/I | 3.2E-01 | 1.04 | 3.9E-01 | 1.04 | 0.86 |
| rs4993268 | 104751196 | T | C | 0.35 | 1.03 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.40 | I/I | 3.9E-01 | 1.03 | 4.6E-01 | 1.02 | 0.62 |
| rs61998875 | 105000267 | A | G | 0.47 | 1.02 | 0.03 | 4.1E-01 | 60.89 | <0.01 | 0.49 | I/I | 5.7E-01 | 1.02 | 4.0E-01 | 1.02 | 0.80 |
| rs10873546 | 104799171 | C | T | 0.31 | 0.98 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.26 | I/I | 4.2E-01 | 0.98 | 4.2E-01 | 0.98 | 0.85 |
| rs34726969 | 105510511 | C | A | 0.07 | 0.97 | 0.04 | 4.1E-01 | 53.8 | 0.01 | 0.08 | I/I | 4.9E-01 | 0.97 | 4.5E-01 | 0.97 | 0.95 |
| rs2242634 | 105615026 | G | A | 0.36 | 1.02 | 0.02 | 4.1E-01 | 50.71 | <0.01 | 0.32 | I/I | 3.5E-01 | 1.02 | 4.1E-01 | 1.02 | 0.97 |
| rs10135061 | 104798035 | G | A | 0.31 | 0.98 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.26 | I/I | 4.2E-01 | 0.98 | 4.2E-01 | 0.98 | 0.85 |
| rs7155540 | 105019692 | T | A | 0.07 | 1.04 | 0.05 | 4.1E-01 | 50.14 | <0.01 | 0.08 | I/I | 3.5E-01 | 1.05 | 3.3E-01 | 1.05 | 0.83 |
| rs4900623 | 104798088 | C | T | 0.31 | 0.98 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.25 | I/I | 4.2E-01 | 0.98 | 4.1E-01 | 0.98 | 0.85 |
| rs4993270 | 104751157 | T | C | 0.34 | 1.03 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.40 | I/I | 3.9E-01 | 1.03 | 4.6E-01 | 1.02 | 0.61 |
| rs9671797 | 104985279 | G | A | 0.21 | 0.98 | 0.03 | 4.1E-01 | 76.84 | <0.01 | 0.18 | I/I | 2.9E-01 | 0.97 | 3.2E-01 | 0.97 | 0.87 |
| rs111464799 | 105087833 | A | G | 0.08 | 1.03 | 0.04 | 4.1E-01 | 55.77 | <0.01 | 0.08 | I/I | 3.5E-01 | 1.04 | 3.7E-01 | 1.04 | 0.92 |
| rs1057744 | 105617042 | T | C | 0.47 | 1.02 | 0.02 | 4.1E-01 | 68.06 | <0.01 | 0.46 | G*/I | 3.9E-01 | 1.02 | 4.4E-01 | 1.02 | 0.95 |
| rs12883736 | 104890738 | A | T | 0.21 | 0.98 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.25 | I/I | 4.3E-01 | 0.98 | 3.9E-01 | 0.98 | 0.87 |
| rs7161689 | 105184463 | C | T | 0.44 | 0.98 | 0.02 | 4.1E-01 | 0 | 0.08 | 0.49 | I/I | 3.3E-01 | 1.02 | 8.8E-01 | 1.00 | 0.91 |
| rs7156003 | 104891972 | T | C | 0.21 | 0.98 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.25 | I/I | 4.3E-01 | 0.98 | 3.9E-01 | 0.98 | 0.87 |
| rs10148829 | 104795489 | G | A | 0.31 | 0.98 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.25 | I/I | 4.2E-01 | 0.98 | 4.2E-01 | 0.98 | 0.85 |
| rs36036939 | 104900295 | G | T | 0.23 | 0.98 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.27 | I/I | 4.7E-01 | 0.98 | 4.1E-01 | 0.98 | 0.84 |
| rs10144325 | 105515219 | G | A | 0.07 | 1.05 | 0.06 | 4.1E-01 | 0 | <0.01 | 0.02 | I/I | 3.5E-01 | 1.06 | 3.3E-01 | 1.06 | 0.52 |
| rs117924517 | 104881560 | C | T | 0.22 | 0.98 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.25 | I/I | 4.2E-01 | 0.98 | 3.8E-01 | 0.98 | 0.92 |
| rs139953068 | 104881544 | C | T | 0.22 | 0.98 | 0.03 | 4.1E-01 | 0 | <0.01 | 0.25 | I/I | 4.2E-01 | 0.98 | 3.8E-01 | 0.98 | 0.92 |
| rs11160826 | 105412260 | C | G | 0.07 | 0.96 | 0.05 | 4.1E-01 | 64.76 | <0.01 | 0.08 | I/I | 3.8E-01 | 0.96 | 2.9E-01 | 0.95 | 0.67 |
| rs3087836 | 105676048 | C | G | 0.29 | 1.02 | 0.02 | 4.1E-01 | 0 | <0.01 | 0.32 | I/I | 4.5E-01 | 1.02 | 4.8E-01 | 1.02 | 0.94 |
| rs2819417 | 105397850 | G | C | 0.03 | 1.05 | 0.06 | 4.1E-01 | 12.81 | <0.01 | 0.02 | I/I | 5.5E-01 | 1.04 | 6.4E-01 | 1.03 | 0.90 |
| rs12887459 | 104891255 | T | C | 0.21 | 0.98 | 0.03 | 4.2E-01 | 0 | <0.01 | 0.25 | I/I | 4.4E-01 | 0.98 | 3.9E-01 | 0.98 | 0.87 |
| rs6576031 | 104799236 | A | T | 0.30 | 0.98 | 0.03 | 4.2E-01 | 0 | <0.01 | 0.25 | I/I | 4.2E-01 | 0.98 | 4.2E-01 | 0.98 | 0.85 |
| rs143412532 | 105387063 | A | G | 0.03 | 1.05 | 0.07 | 4.2E-01 | 3.89 | <0.01 | 0.02 | I/I | 5.6E-01 | 1.04 | 6.6E-01 | 1.03 | 0.88 |
| rs118026124 | 104908761 | A | G | 0.06 | 0.96 | 0.05 | 4.2E-01 | 12.59 | <0.01 | 0.10 | I/I | 5.3E-01 | 0.97 | 4.4E-01 | 0.96 | 0.79 |
| rs11622102 | 104750123 | G | A | 0.39 | 1.02 | 0.03 | 4.2E-01 | 0 | <0.01 | 0.42 | I/I | 3.9E-01 | 1.02 | 4.6E-01 | 1.02 | 0.70 |
| rs61995998 | 105344872 | T | C | 0.47 | 1.02 | 0.02 | 4.2E-01 | 20.19 | 0.02 | 0.48 | I/I | 6.7E-02 | 1.04 | 2.2E-01 | 1.03 | 0.83 |
| rs4077166 | 105040916 | C | A | 0.07 | 1.04 | 0.05 | 4.2E-01 | 0 | <0.01 | 0.06 | I/I | 6.1E-01 | 1.03 | 6.3E-01 | 1.03 | 0.71 |
| rs4077165 | 105040896 | T | C | 0.07 | 1.04 | 0.05 | 4.2E-01 | 0 | <0.01 | 0.06 | I/I | 6.2E-01 | 1.03 | 6.4E-01 | 1.03 | 0.71 |
| rs4900627 | 104879794 | T | C | 0.22 | 0.98 | 0.03 | 4.2E-01 | 0 | <0.01 | 0.25 | I/I | 4.2E-01 | 0.98 | 3.8E-01 | 0.98 | 0.92 |
| rs4577016 | 104750602 | G | A | 0.39 | 1.02 | 0.03 | 4.2E-01 | 0 | <0.01 | 0.42 | I/I | 3.9E-01 | 1.02 | 4.6E-01 | 1.02 | 0.69 |
| rs4983510 | 105099221 | T | G | 0.15 | 1.03 | 0.04 | 4.2E-01 | 51.4 | 0.01 | 0.16 | I/I | 3.7E-01 | 1.03 | 4.8E-01 | 1.03 | 0.85 |
| rs75863329 | 104928397 | C | A | 0.06 | 1.04 | 0.04 | 4.2E-01 | 11.95 | 0.01 | 0.02 | I/I | 3.5E-01 | 1.04 | 3.7E-01 | 1.04 | 0.89 |
| rs7151594 | 105639041 | A | G | 0.39 | 1.02 | 0.02 | 4.2E-01 | 47.66 | <0.01 | 0.36 | I/I | 3.6E-01 | 1.02 | 3.8E-01 | 1.02 | 0.99 |
| rs11160800 | 104752728 | G | T | 0.40 | 1.02 | 0.03 | 4.2E-01 | 0 | <0.01 | 0.42 | I/I | 3.9E-01 | 1.02 | 4.6E-01 | 1.02 | 0.66 |
| rs4243746 | 104801260 | T | G | 0.30 | 0.98 | 0.03 | 4.2E-01 | 0 | <0.01 | 0.26 | I/I | 4.3E-01 | 0.98 | 4.3E-01 | 0.98 | 0.84 |
| rs4359376 | 105500009 | C | G | 0.35 | 1.02 | 0.02 | 4.2E-01 | 0 | <0.01 | 0.38 | I/I | 4.5E-01 | 1.02 | 2.9E-01 | 1.02 | 0.88 |
| rs12588370 | 104752260 | G | A | 0.39 | 1.02 | 0.03 | 4.3E-01 | 0 | <0.01 | 0.42 | I/I | 4.0E-01 | 1.02 | 4.7E-01 | 1.02 | 0.66 |
| rs4074410 | 104810656 | T | C | 0.12 | 1.03 | 0.04 | 4.3E-01 | 0 | <0.01 | 0.10 | I/I | 5.0E-01 | 1.03 | 5.2E-01 | 1.02 | 0.76 |
| rs72635202 | 105332001 | A | G | 0.27 | 0.98 | 0.03 | 4.3E-01 | 0 | 0.05 | 0.27 | I/I | 2.3E-01 | 0.97 | 2.4E-01 | 0.97 | 0.83 |
| rs4257146 | 105498970 | A | C | 0.19 | 1.02 | 0.03 | 4.3E-01 | 0 | <0.01 | 0.18 | I/I | 5.0E-01 | 1.02 | 3.7E-01 | 1.02 | 0.97 |
| rs9888586 | 104780592 | C | A | 0.31 | 0.98 | 0.03 | 4.3E-01 | 0 | <0.01 | 0.26 | I/I | 4.2E-01 | 0.98 | 4.3E-01 | 0.98 | 0.85 |
| rs4983629 | 105025990 | A | G | 0.15 | 0.97 | 0.03 | 4.3E-01 | 7.02 | <0.01 | 0.16 | I/I | 4.5E-01 | 0.98 | 3.2E-01 | 0.97 | 0.89 |
| rs72707682 | 105628690 | T | C | 0.05 | 1.05 | 0.06 | 4.3E-01 | 66.95 | <0.01 | 0.04 | I/I | 5.5E-01 | 1.04 | 5.9E-01 | 1.03 | 0.71 |
| rs7148884 | 105666722 | T | C | 0.30 | 1.02 | 0.02 | 4.3E-01 | 0 | <0.01 | 0.32 | I/I | 4.7E-01 | 1.02 | 5.1E-01 | 1.02 | 0.92 |
| rs141283979 | 105417581 | T | C | 0.03 | 1.05 | 0.06 | 4.3E-01 | 46.12 | <0.01 | 0.03 | I/I | 6.1E-01 | 1.03 | 7.2E-01 | 1.02 | 0.83 |
| rs3861680 | 105672664 | G | C | 0.27 | 1.02 | 0.03 | 4.3E-01 | 0 | <0.01 | 0.29 | I/I | 4.5E-01 | 1.02 | 5.2E-01 | 1.02 | 0.88 |
| rs28585551 | 104753363 | C | T | 0.40 | 1.02 | 0.03 | 4.3E-01 | 0 | <0.01 | 0.42 | I/I | 4.0E-01 | 1.02 | 4.7E-01 | 1.02 | 0.66 |
| rs56887135 | 104932067 | C | T | 0.07 | 1.03 | 0.04 | 4.3E-01 | 22.42 | 0.01 | 0.02 | I/I | 3.6E-01 | 1.04 | 3.8E-01 | 1.04 | 0.88 |
| rs7156096 | 105184313 | A | G | 0.44 | 0.98 | 0.02 | 4.3E-01 | 0 | 0.09 | 0.49 | I/I | 3.2E-01 | 1.02 | 8.6E-01 | 1.00 | 0.91 |
| rs11160810 | 104982857 | G | A | 0.21 | 0.98 | 0.03 | 4.3E-01 | 74.68 | <0.01 | 0.18 | I/I | 3.0E-01 | 0.97 | 3.3E-01 | 0.97 | 0.87 |
| rs79371214 | 105401506 | A | G | 0.02 | 0.94 | 0.08 | 4.3E-01 | 0 | <0.01 | 0.02 | I/I | 6.2E-01 | 0.96 | 5.1E-01 | 0.95 | 0.72 |
| rs10138962 | 104995893 | T | G | 0.21 | 0.98 | 0.03 | 4.3E-01 | 75.65 | <0.01 | 0.20 | G*/I | 2.4E-01 | 0.96 | 3.0E-01 | 0.97 | 0.86 |
| rs8014357 | 104949108 | T | C | 0.06 | 1.04 | 0.05 | 4.3E-01 | 34.71 | 0.01 | 0.02 | I/I | 3.8E-01 | 1.05 | 4.0E-01 | 1.04 | 0.85 |
| rs34757948 | 104889926 | T | G | 0.21 | 0.98 | 0.03 | 4.3E-01 | 0 | <0.01 | 0.25 | I/I | 4.5E-01 | 0.98 | 4.1E-01 | 0.98 | 0.88 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs78014542 | 105406235 | C | A | 0.02 | 0.94 | 0.08 | 4.3E-01 | 0 | <0.01 | 0.02 | I/I | 6.2E-01 | 0.96 | 5.2E-01 | 0.95 | 0.72 |
| rs6576056 | 105137291 | A | G | 0.35 | 1.02 | 0.03 | 4.3E-01 | 61.12 | 0.02 | 0.35 | I/I | 8.9E-01 | 1.00 | 6.8E-01 | 1.01 | 0.82 |
| rs2735807 | 105594861 | C | T | 0.12 | 1.03 | 0.04 | 4.4E-01 | 0 | <0.01 | 0.13 | I/I | 5.4E-01 | 1.02 | 4.2E-01 | 1.03 | 0.91 |
| rs186804688 | 105440931 | T | C | 0.01 | 0.90 | 0.13 | 4.4E-01 | 0 | <0.01 | 0.01 | I/I | 2.6E-01 | 0.86 | 2.7E-01 | 0.87 | 0.52 |
| rs2894635 | 105417225 | G | C | 0.31 | 1.02 | 0.03 | 4.4E-01 | 0 | <0.01 | 0.29 | I/I | 1.0E-01 | 1.05 | 1.4E-01 | 1.05 | 0.57 |
| rs2819463 | 105451772 | T | C | 0.03 | 1.07 | 0.09 | 4.4E-01 | 0 | <0.01 | 0.05 | I/I | 5.2E-01 | 1.06 | 5.1E-01 | 1.06 | 0.65 |
| rs28545079 | 104753154 | A | G | 0.40 | 1.02 | 0.03 | 4.4E-01 | 0 | <0.01 | 0.42 | I/I | 4.0E-01 | 1.02 | 4.7E-01 | 1.02 | 0.65 |
| rs57420438 | 105653210 | G | A | 0.39 | 1.02 | 0.03 | 4.4E-01 | 17.19 | <0.01 | 0.39 | I/I | 3.7E-01 | 1.02 | 4.3E-01 | 1.02 | 0.76 |
| rs9972231 | 105615648 | T | C | 0.13 | 0.97 | 0.04 | 4.4E-01 | 0 | <0.01 | 0.16 | I/I | 5.2E-01 | 0.98 | 4.9E-01 | 0.97 | 0.86 |
| rs55764224 | 105134136 | A | T | 0.35 | 1.02 | 0.03 | 4.4E-01 | 60.72 | 0.02 | 0.35 | I/I | 9.0E-01 | 1.00 | 6.8E-01 | 1.01 | 0.82 |
| rs35769770 | 104938865 | C | G | 0.06 | 1.03 | 0.04 | 4.4E-01 | 11.08 | 0.01 | 0.02 | I/I | 3.6E-01 | 1.04 | 3.8E-01 | 1.04 | 0.91 |
| rs118138381 | 105551156 | T | C | 0.03 | 1.06 | 0.07 | 4.4E-01 | 20.75 | <0.01 | 0.02 | I/I | 5.4E-01 | 1.04 | 6.5E-01 | 1.03 | 0.77 |
| rs140083307 | 105626330 | G | C | 0.03 | 1.07 | 0.09 | 4.4E-01 | 46.02 | <0.01 | 0.03 | I/I | 4.4E-01 | 1.07 | 4.6E-01 | 1.07 | 0.60 |
| rs2816660 | 105595651 | C | T | 0.12 | 1.03 | 0.04 | 4.4E-01 | 0 | <0.01 | 0.12 | I/I | 5.4E-01 | 1.02 | 4.2E-01 | 1.03 | 0.92 |
| rs150521726 | 104970972 | A | G | 0.02 | 1.08 | 0.10 | 4.4E-01 | 0 | <0.01 | 0.02 | I/I | 5.9E-01 | 1.05 | 5.7E-01 | 1.06 | 0.69 |
| rs117194149 | 105441049 | A | G | 0.03 | 1.06 | 0.07 | 4.4E-01 | 3.23 | <0.01 | 0.03 | I/I | 5.3E-01 | 1.05 | 6.3E-01 | 1.03 | 0.87 |
| rs10138227 | 105259706 | T | C | 0.14 | 1.02 | 0.03 | 4.4E-01 | 0 | <0.01 | 0.15 | I/I | 1.1E-01 | 1.05 | 1.5E-01 | 1.05 | 0.76 |
| rs113127653 | 105386180 | T | C | 0.03 | 1.05 | 0.07 | 4.4E-01 | 11.08 | <0.01 | 0.02 | I/I | 5.8E-01 | 1.04 | 6.9E-01 | 1.03 | 0.88 |
| rs11625865 | 105644421 | A | G | 0.39 | 1.02 | 0.02 | 4.4E-01 | 47.99 | <0.01 | 0.36 | G*/I | 3.8E-01 | 1.02 | 4.0E-01 | 1.02 | 0.99 |
| rs7154928 | 104751889 | G | A | 0.39 | 1.02 | 0.03 | 4.4E-01 | 0 | <0.01 | 0.42 | I/I | 4.1E-01 | 1.02 | 4.8E-01 | 1.02 | 0.67 |
| rs7155082 | 104751911 | A | C | 0.39 | 1.02 | 0.03 | 4.4E-01 | 0 | <0.01 | 0.42 | I/I | 4.1E-01 | 1.02 | 4.8E-01 | 1.02 | 0.67 |
| rs141319327 | 104903390 | C | G | 0.02 | 1.08 | 0.11 | 4.4E-01 | 0 | <0.01 | 0.04 | I/I | 5.1E-01 | 1.07 | 5.3E-01 | 1.07 | 0.66 |
| rs10137134 | 104751918 | T | C | 0.39 | 1.02 | 0.03 | 4.4E-01 | 0 | <0.01 | 0.42 | I/I | 4.1E-01 | 1.02 | 4.8E-01 | 1.02 | 0.67 |
| rs117761136 | 104965751 | A | G | 0.02 | 0.91 | 0.12 | 4.4E-01 | 4.25 | <0.01 | 0.05 | I/I | 4.2E-01 | 0.91 | 5.1E-01 | 0.92 | 0.47 |
| rs55713209 | 105107075 | A | C | 0.12 | 1.03 | 0.04 | 4.4E-01 | 43.81 | <0.01 | 0.12 | I/I | 3.5E-01 | 1.04 | 4.2E-01 | 1.03 | 0.85 |
| rs28619327 | 104753286 | C | T | 0.40 | 1.02 | 0.03 | 4.4E-01 | 0 | <0.01 | 0.42 | I/I | 4.1E-01 | 1.02 | 4.8E-01 | 1.02 | 0.66 |
| rs28652801 | 104750871 | A | G | 0.39 | 1.02 | 0.03 | 4.4E-01 | 0 | <0.01 | 0.42 | I/I | 4.1E-01 | 1.02 | 4.8E-01 | 1.02 | 0.69 |
| rs2494740 | 105247881 | T | A | 0.29 | 1.02 | 0.02 | 4.4E-01 | 0 | <0.01 | 0.26 | I/G | 9.5E-01 | 1.00 | 7.9E-01 | 1.01 | 0.62 |
| rs72713869 | 105130931 | A | G | 0.08 | 1.04 | 0.05 | 4.4E-01 | 52.4 | <0.01 | 0.09 | I/I | 2.1E-01 | 1.06 | 3.3E-01 | 1.05 | 0.79 |
| rs4983588 | 104994807 | A | T | 0.21 | 0.98 | 0.03 | 4.4E-01 | 76.27 | <0.01 | 0.20 | I/I | 2.5E-01 | 0.96 | 3.1E-01 | 0.97 | 0.85 |
| rs4374099 | 104875686 | T | C | 0.22 | 0.98 | 0.03 | 4.4E-01 | 0.74 | <0.01 | 0.25 | I/I | 4.5E-01 | 0.98 | 4.1E-01 | 0.98 | 0.92 |
| rs7159100 | 104995655 | C | T | 0.21 | 0.98 | 0.03 | 4.4E-01 | 75.51 | <0.01 | 0.20 | I/I | 2.5E-01 | 0.96 | 3.1E-01 | 0.97 | 0.85 |
| rs150641823 | 105144096 | A | C | 0.01 | 0.90 | 0.13 | 4.5E-01 | 39.01 | <0.01 | 0.02 | I/I | 6.5E-01 | 0.94 | 4.9E-01 | 0.91 | 0.49 |
| rs4993267 | 104751237 | T | C | 0.39 | 1.02 | 0.03 | 4.5E-01 | 0 | <0.01 | 0.42 | I/I | 4.2E-01 | 1.02 | 4.8E-01 | 1.02 | 0.68 |
| rs12436200 | 104772534 | G | A | 0.30 | 0.98 | 0.03 | 4.5E-01 | 0 | <0.01 | 0.25 | I/I | 4.4E-01 | 0.98 | 4.5E-01 | 0.98 | 0.84 |
| rs11160840 | 105661997 | C | A | 0.30 | 1.02 | 0.03 | 4.5E-01 | 0 | <0.01 | 0.31 | I/I | 5.0E-01 | 1.02 | 4.8E-01 | 1.02 | 0.83 |
| rs188283218 | 105356533 | G | A | 0.08 | 1.04 | 0.05 | 4.5E-01 | 0 | <0.01 | 0.02 | I/I | 7.2E-01 | 1.02 | 3.9E-01 | 1.05 | 0.52 |
| rs2919624 | 105386726 | G | C | 0.49 | 0.98 | 0.02 | 4.5E-01 | 53.86 | <0.01 | 0.49 | I/I | 2.9E-01 | 0.98 | 3.3E-01 | 0.98 | 0.93 |
| rs74091119 | 105161674 | G | C | 0.18 | 1.02 | 0.03 | 4.5E-01 | 0 | 0.12 | 0.19 | I/I | 6.9E-01 | 0.99 | 8.8E-01 | 1.00 | 0.80 |
| rs4391998 | 105536162 | C | T | 0.27 | 1.02 | 0.02 | 4.5E-01 | 0 | <0.01 | 0.25 | I/I | 4.4E-01 | 1.02 | 2.9E-01 | 1.03 | 0.95 |
| rs4983377 | 105137311 | G | C | 0.08 | 1.04 | 0.05 | 4.5E-01 | 50.32 | <0.01 | 0.09 | I/I | 2.0E-01 | 1.06 | 3.4E-01 | 1.04 | 0.79 |
| rs2006918 | 105672535 | G | A | 0.30 | 1.02 | 0.02 | 4.5E-01 | 0 | <0.01 | 0.34 | I/I | 4.9E-01 | 1.02 | 5.2E-01 | 1.02 | 0.92 |
| rs76741286 | 105599773 | G | C | 0.02 | 1.07 | 0.09 | 4.5E-01 | 28.16 | <0.01 | 0.02 | I/I | 2.8E-01 | 1.10 | 2.3E-01 | 1.12 | 0.50 |
| rs8020454 | 105685865 | C | T | 0.30 | 1.02 | 0.02 | 4.5E-01 | 0 | <0.01 | 0.32 | G*/I | 4.9E-01 | 1.02 | 5.2E-01 | 1.02 | 0.95 |
| rs6576027 | 104781231 | C | A | 0.31 | 0.98 | 0.03 | 4.5E-01 | 0 | <0.01 | 0.26 | I/I | 4.4E-01 | 0.98 | 4.4E-01 | 0.98 | 0.84 |
| rs3742943 | 105608564 | T | C | 0.13 | 0.97 | 0.04 | 4.5E-01 | 0 | <0.01 | 0.16 | I/I | 5.3E-01 | 0.98 | 5.0E-01 | 0.97 | 0.85 |
| rs74976219 | 105108735 | C | T | 0.32 | 1.02 | 0.03 | 4.5E-01 | 48.02 | 0.03 | 0.38 | I/I | 6.3E-01 | 1.01 | 8.8E-01 | 1.00 | 0.84 |
| rs56101862 | 105101749 | T | C | 0.03 | 0.94 | 0.08 | 4.5E-01 | 22.75 | <0.01 | 0.04 | I/I | 3.4E-01 | 0.93 | 2.1E-01 | 0.90 | 0.62 |
| rs12436313 | 105509242 | G | A | 0.22 | 1.02 | 0.03 | 4.5E-01 | 0 | <0.01 | 0.20 | I/I | 4.3E-01 | 1.02 | 2.8E-01 | 1.03 | 0.97 |
| rs7155678 | 104751499 | C | T | 0.39 | 1.02 | 0.03 | 4.5E-01 | 0 | <0.01 | 0.42 | I/I | 4.2E-01 | 1.02 | 4.9E-01 | 1.02 | 0.68 |
| rs12588430 | 104752472 | T | C | 0.39 | 1.02 | 0.03 | 4.5E-01 | 0 | <0.01 | 0.42 | I/I | 4.2E-01 | 1.02 | 4.9E-01 | 1.02 | 0.67 |
| rs71423826 | 105659114 | T | C | 0.11 | 0.97 | 0.04 | 4.5E-01 | 20.34 | <0.01 | 0.11 | I/I | 6.2E-01 | 0.98 | 5.8E-01 | 0.98 | 0.68 |
| rs4983627 | 105025757 | G | C | 0.15 | 0.98 | 0.03 | 4.5E-01 | 1.33 | <0.01 | 0.16 | I/I | 4.8E-01 | 0.98 | 3.4E-01 | 0.97 | 0.89 |
| rs8012933 | 105026262 | A | G | 0.15 | 0.98 | 0.03 | 4.5E-01 | 6.88 | <0.01 | 0.16 | I/I | 4.8E-01 | 0.98 | 3.4E-01 | 0.97 | 0.89 |
| rs2816675 | 105605350 | C | T | 0.11 | 1.03 | 0.04 | 4.5E-01 | 0 | <0.01 | 0.10 | I/I | 4.7E-01 | 1.03 | 3.7E-01 | 1.03 | 0.90 |
| rs4310788 | 104885264 | C | G | 0.22 | 0.98 | 0.03 | 4.5E-01 | 0 | <0.01 | 0.25 | I/I | 4.6E-01 | 0.98 | 4.2E-01 | 0.98 | 0.92 |
| rs4072285 | 105161275 | A | G | 0.18 | 1.02 | 0.03 | 4.5E-01 | 0 | 0.12 | 0.19 | I/I | 7.1E-01 | 0.99 | 8.7E-01 | 1.00 | 0.80 |
| rs12591007 | 104752373 | C | T | 0.39 | 1.02 | 0.03 | 4.5E-01 | 0 | <0.01 | 0.42 | I/I | 4.2E-01 | 1.02 | 4.9E-01 | 1.02 | 0.67 |
| rs2735806 | 105595101 | G | A | 0.09 | 1.03 | 0.04 | 4.5E-01 | 0 | <0.01 | 0.09 | I/I | 5.3E-01 | 1.03 | 4.5E-01 | 1.03 | 0.90 |
| rs8008808 | 104781153 | C | T | 0.31 | 0.98 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.26 | I/I | 4.5E-01 | 0.98 | 4.5E-01 | 0.98 | 0.85 |
| rs9806114 | 105694903 | C | G | 0.08 | 0.96 | 0.05 | 4.6E-01 | 70.85 | <0.01 | 0.12 | I/I | 4.0E-01 | 0.96 | 4.0E-01 | 0.96 | 0.61 |
| rs4993269 | 104751195 | G | T | 0.35 | 1.02 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.40 | I/I | 4.4E-01 | 1.02 | 5.1E-01 | 1.02 | 0.62 |
| rs72713881 | 105134917 | C | T | 0.08 | 1.03 | 0.05 | 4.6E-01 | 50.34 | <0.01 | 0.09 | I/I | 2.1E-01 | 1.06 | 3.5E-01 | 1.04 | 0.79 |
| rs4993272 | 104751143 | G | A | 0.39 | 1.02 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.42 | I/I | 4.3E-01 | 1.02 | 4.9E-01 | 1.02 | 0.68 |
| rs8007138 | 105131102 | C | A | 0.33 | 1.02 | 0.03 | 4.6E-01 | 0 | 0.02 | 0.37 | I/I | 5.1E-01 | 1.02 | 7.9E-01 | 1.01 | 0.85 |
| rs9671466 | 105135634 | G | A | 0.34 | 1.02 | 0.03 | 4.6E-01 | 65.67 | 0.02 | 0.34 | I/I | 9.7E-01 | 1.00 | 7.3E-01 | 1.01 | 0.81 |
| rs8021799 | 104773336 | C | T | 0.30 | 0.98 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.25 | I/I | 4.5E-01 | 0.98 | 4.6E-01 | 0.98 | 0.84 |
| rs3784228 | 105679644 | G | C | 0.30 | 1.02 | 0.02 | 4.6E-01 | 0 | <0.01 | 0.32 | I/I | 5.0E-01 | 1.02 | 5.3E-01 | 1.02 | 0.94 |
| rs186056825 | 105015063 | G | A | 0.14 | 1.03 | 0.04 | 4.6E-01 | 70.9 | <0.01 | 0.12 | I/I | 6.7E-01 | 1.02 | 8.0E-01 | 1.01 | 0.82 |
| rs34860972 | 105467240 | G | T | 0.12 | 0.98 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.11 | I/I | 3.6E-01 | 0.97 | 2.4E-01 | 0.96 | 0.99 |
| rs7144934 | 105279202 | A | G | 0.13 | 0.97 | 0.04 | 4.6E-01 | 68.02 | <0.01 | 0.09 | I/I | 2.6E-01 | 0.96 | 5.5E-01 | 0.98 | 0.58 |
| rs145238396 | 105403611 | C | T | 0.03 | 1.05 | 0.07 | 4.6E-01 | 45.83 | <0.01 | 0.02 | I/I | 6.2E-01 | 1.03 | 7.2E-01 | 1.03 | 0.91 |
| rs73352317 | 105314669 | A | C | 0.05 | 1.04 | 0.06 | 4.6E-01 | 0 | <0.01 | 0.03 | I/I | 9.0E-01 | 1.01 | 9.2E-01 | 1.01 | 0.72 |
| rs12895547 | 105460359 | T | C | 0.12 | 0.98 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.11 | I/G | 3.6E-01 | 0.97 | 2.5E-01 | 0.96 | 1.00 |
| rs79764956 | 105402085 | A | G | 0.03 | 1.05 | 0.07 | 4.6E-01 | 45.89 | <0.01 | 0.02 | I/I | 6.2E-01 | 1.03 | 7.2E-01 | 1.03 | 0.91 |
| rs56833004 | 104938321 | C | A | 0.07 | 1.03 | 0.04 | 4.6E-01 | 9.22 | 0.01 | 0.02 | I/I | 3.9E-01 | 1.04 | 4.0E-01 | 1.04 | 0.88 |
| rs4900615 | 104775945 | G | A | 0.31 | 0.98 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.26 | I/I | 4.7E-01 | 0.98 | 4.6E-01 | 0.98 | 0.83 |
| rs4247033 | 105184838 | G | A | 0.43 | 0.98 | 0.02 | 4.6E-01 | 0.33 | 0.09 | 0.49 | I/I | 3.2E-01 | 1.02 | 8.7E-01 | 1.00 | 0.92 |
| rs11160799 | 104752562 | G | A | 0.39 | 1.02 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.42 | I/I | 4.3E-01 | 1.02 | 5.0E-01 | 1.02 | 0.67 |
| rs56275181 | 105113261 | A | C | 0.32 | 1.02 | 0.03 | 4.6E-01 | 46.69 | 0.04 | 0.38 | I/I | 6.4E-01 | 1.01 | 8.9E-01 | 1.00 | 0.84 |
| rs58153756 | 105388997 | G | C | 0.03 | 1.05 | 0.07 | 4.6E-01 | 0.18 | <0.01 | 0.02 | I/I | 6.0E-01 | 1.04 | 7.0E-01 | 1.03 | 0.91 |
| rs72713877 | 105133555 | A | G | 0.08 | 1.03 | 0.05 | 4.6E-01 | 50.39 | <0.01 | 0.09 | I/I | 2.1E-01 | 1.06 | 3.5E-01 | 1.04 | 0.79 |
| rs11160808 | 104899543 | A | G | 0.22 | 0.98 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.26 | I/I | 5.2E-01 | 0.98 | 4.6E-01 | 0.98 | 0.86 |
| rs113098177 | 105575701 | A | G | 0.13 | 1.03 | 0.04 | 4.6E-01 | 0 | <0.01 | 0.14 | I/I | 4.8E-01 | 1.03 | 6.1E-01 | 1.02 | 0.88 |
| rs117250712 | 105653207 | T | G | 0.37 | 1.02 | 0.03 | 4.6E-01 | 39.24 | <0.01 | 0.35 | I/I | 4.0E-01 | 1.02 | 4.5E-01 | 1.02 | 0.74 |
| rs7156059 | 104751755 | C | T | 0.39 | 1.02 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.42 | I/I | 4.3E-01 | 1.02 | 5.0E-01 | 1.02 | 0.68 |
| rs117528462 | 105327988 | G | A | 0.08 | 1.04 | 0.05 | 4.6E-01 | 0 | <0.01 | 0.08 | I/I | 7.6E-01 | 1.01 | 2.4E-01 | 1.06 | 0.57 |
| rs4580093 | 105028839 | A | G | 0.15 | 0.98 | 0.03 | 4.6E-01 | 2.11 | <0.01 | 0.17 | I/I | 4.9E-01 | 0.98 | 3.6E-01 | 0.97 | 0.89 |
| rs4900629 | 104884187 | C | A | 0.22 | 0.98 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.25 | I/I | 4.7E-01 | 0.98 | 4.3E-01 | 0.98 | 0.92 |
| rs61245086 | 104756034 | T | C | 0.40 | 1.02 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.42 | I/I | 4.1E-01 | 1.02 | 5.0E-01 | 1.02 | 0.63 |
| rs4900630 | 104902385 | A | G | 0.22 | 0.98 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.27 | I/I | 5.3E-01 | 0.98 | 4.6E-01 | 0.98 | 0.87 |
| rs35454733 | 105035755 | A | G | 0.18 | 0.98 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.19 | I/I | 4.3E-01 | 0.98 | 3.2E-01 | 0.97 | 0.83 |
| rs112171282 | 105315076 | A | G | 0.05 | 1.04 | 0.05 | 4.6E-01 | 0 | <0.01 | 0.04 | I/I | 9.5E-01 | 1.00 | 9.8E-01 | 1.00 | 0.75 |
| rs146002154 | 105388703 | T | A | 0.03 | 1.05 | 0.07 | 4.6E-01 | 4.18 | <0.01 | 0.02 | I/I | 6.1E-01 | 1.03 | 7.1E-01 | 1.03 | 0.91 |
| rs71421897 | 105460858 | A | G | 0.12 | 0.98 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.11 | I/I | 3.7E-01 | 0.97 | 2.5E-01 | 0.96 | 1.00 |
| rs35535415 | 105606572 | C | G | 0.13 | 0.97 | 0.04 | 4.6E-01 | 0 | <0.01 | 0.15 | I/I | 5.6E-01 | 0.98 | 5.5E-01 | 0.98 | 0.84 |
| rs2841282 | 105311439 | T | G | 0.05 | 1.04 | 0.06 | 4.6E-01 | 0 | <0.01 | 0.03 | I/I | 9.3E-01 | 1.00 | 9.4E-01 | 1.00 | 0.70 |
| rs34490246 | 105466753 | T | C | 0.12 | 0.98 | 0.03 | 4.6E-01 | 0 | <0.01 | 0.11 | I/I | 3.7E-01 | 0.97 | 2.5E-01 | 0.96 | 0.99 |
| rs76761552 | 105201905 | A | G | 0.02 | 1.06 | 0.08 | 4.7E-01 | 2.97 | 0.05 | 0.02 | I/I | 7.6E-01 | 0.98 | 5.5E-01 | 0.95 | 0.68 |
| rs2841267 | 105385055 | T | C | 0.19 | 0.98 | 0.03 | 4.7E-01 | 50.05 | <0.01 | 0.19 | I/I | 3.8E-01 | 0.97 | 3.4E-01 | 0.97 | 0.79 |
| rs71423208 | 105541657 | G | A | 0.11 | 0.97 | 0.05 | 4.7E-01 | 0 | <0.01 | 0.08 | I/I | 6.1E-01 | 0.98 | 7.0E-01 | 0.98 | 0.53 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs117751669 | 105395374 | A | G | 0.03 | 1.05 | 0.07 | 4.7E-01 | 47.39 | <0.01 | 0.02 | I/I | 6.3E-01 | 1.03 | 7.3E-01 | 1.02 | 0.91 |
| rs9788596 | 105350930 | A | G | 0.04 | 1.04 | 0.06 | 4.7E-01 | 0 | <0.01 | 0.05 | I/I | 6.7E-01 | 1.02 | 6.6E-01 | 1.02 | 0.90 |
| rs4906458 | 104883184 | T | A | 0.22 | 0.98 | 0.03 | 4.7E-01 | 0 | <0.01 | 0.25 | G*/I | 4.7E-01 | 0.98 | 4.3E-01 | 0.98 | 0.92 |
| rs12101275 | 105057586 | G | C | 0.27 | 0.98 | 0.03 | 4.7E-01 | 49.83 | <0.01 | 0.34 | I/I | 5.3E-01 | 0.98 | 5.7E-01 | 0.98 | 0.85 |
| rs4906459 | 104883763 | T | C | 0.22 | 0.98 | 0.03 | 4.7E-01 | 0 | <0.01 | 0.25 | G*/I | 4.7E-01 | 0.98 | 4.3E-01 | 0.98 | 0.92 |
| rs55792168 | 105122109 | G | A | 0.36 | 1.02 | 0.03 | 4.7E-01 | 0 | 0.01 | 0.40 | I/I | 4.8E-01 | 1.02 | 7.5E-01 | 1.01 | 0.85 |
| rs2289454 | 105457780 | G | T | 0.12 | 0.98 | 0.03 | 4.7E-01 | 0 | <0.01 | 0.11 | I/I | 3.7E-01 | 0.97 | 2.5E-01 | 0.96 | 1.00 |
| rs3825761 | 105638931 | C | T | 0.39 | 1.02 | 0.02 | 4.7E-01 | 47.31 | <0.01 | 0.36 | I/I | 4.0E-01 | 1.02 | 4.3E-01 | 1.02 | 0.99 |
| rs12101279 | 105057469 | A | G | 0.27 | 0.98 | 0.03 | 4.7E-01 | 49.93 | <0.01 | 0.34 | I/I | 5.3E-01 | 0.98 | 5.7E-01 | 0.98 | 0.85 |
| rs55849896 | 105559489 | C | G | 0.18 | 0.98 | 0.03 | 4.7E-01 | 85.03 | <0.01 | 0.14 | I/I | 4.6E-01 | 0.98 | 3.3E-01 | 0.97 | 0.81 |
| rs7155060 | 105086888 | G | A | 0.13 | 0.98 | 0.03 | 4.7E-01 | 0 | 0.01 | 0.16 | I/I | 4.4E-01 | 0.98 | 5.4E-01 | 0.98 | 0.92 |
| rs141397123 | 105690030 | A | G | 0.02 | 1.07 | 0.10 | 4.7E-01 | 13.09 | <0.01 | 0.01 | I/I | 4.8E-01 | 1.07 | 5.2E-01 | 1.06 | 0.63 |
| rs10142703 | 105107865 | A | C | 0.11 | 1.03 | 0.04 | 4.7E-01 | 40.26 | <0.01 | 0.13 | I/I | 3.5E-01 | 1.04 | 4.5E-01 | 1.03 | 0.87 |
| rs3002448 | 105262042 | C | G | 0.04 | 0.95 | 0.07 | 4.7E-01 | 45.88 | <0.01 | 0.06 | I/I | 9.2E-02 | 0.89 | 2.3E-01 | 0.92 | 0.52 |
| rs8017525 | 105065452 | G | A | 0.13 | 0.98 | 0.03 | 4.7E-01 | 0 | 0.01 | 0.16 | I/I | 4.9E-01 | 0.98 | 6.2E-01 | 0.98 | 0.91 |
| rs6576032 | 104827897 | C | T | 0.40 | 0.98 | 0.03 | 4.7E-01 | 0 | <0.01 | 0.42 | I/I | 4.8E-01 | 0.98 | 4.7E-01 | 0.98 | 0.85 |
| rs12436984 | 104901662 | T | G | 0.22 | 0.98 | 0.03 | 4.7E-01 | 0 | <0.01 | 0.28 | I/I | 5.3E-01 | 0.98 | 4.5E-01 | 0.98 | 0.87 |
| rs4078242 | 105148536 | T | C | 0.30 | 1.02 | 0.03 | 4.7E-01 | 0 | 0.03 | 0.34 | I/I | 6.7E-01 | 1.01 | 8.4E-01 | 1.01 | 0.63 |
| rs73352311 | 105311570 | A | G | 0.05 | 1.04 | 0.06 | 4.7E-01 | 0 | <0.01 | 0.03 | I/I | 9.3E-01 | 1.01 | 9.5E-01 | 1.00 | 0.71 |
| rs4341690 | 105017531 | C | T | 0.10 | 1.03 | 0.04 | 4.7E-01 | 57.8 | <0.01 | 0.09 | I/I | 5.1E-01 | 1.03 | 6.2E-01 | 1.02 | 0.87 |
| rs12436635 | 105132647 | T | C | 0.08 | 1.03 | 0.05 | 4.7E-01 | 53.4 | <0.01 | 0.09 | I/I | 2.2E-01 | 1.06 | 3.6E-01 | 1.04 | 0.79 |
| rs35916062 | 105541197 | A | G | 0.20 | 0.98 | 0.03 | 4.7E-01 | 53.34 | <0.01 | 0.16 | I/I | 4.3E-01 | 0.98 | 3.1E-01 | 0.97 | 0.89 |
| rs74246318 | 104928020 | C | T | 0.28 | 0.98 | 0.02 | 4.8E-01 | 0 | <0.01 | 0.32 | I/I | 5.9E-01 | 0.99 | 5.1E-01 | 0.98 | 0.93 |
| rs61997128 | 104900881 | C | G | 0.04 | 0.95 | 0.08 | 4.8E-01 | 0 | <0.01 | 0.02 | I/I | 4.9E-01 | 0.95 | 5.0E-01 | 0.95 | 0.61 |
| rs12892790 | 104883585 | T | A | 0.22 | 0.98 | 0.03 | 4.8E-01 | 0 | <0.01 | 0.25 | I/I | 4.8E-01 | 0.98 | 4.4E-01 | 0.98 | 0.92 |
| rs12101271 | 105057529 | G | A | 0.27 | 0.98 | 0.03 | 4.8E-01 | 50.62 | <0.01 | 0.34 | I/I | 5.4E-01 | 0.98 | 5.8E-01 | 0.98 | 0.85 |
| rs2238287 | 105618670 | C | T | 0.34 | 1.02 | 0.02 | 4.8E-01 | 45.26 | <0.01 | 0.31 | I/I | 3.9E-01 | 1.02 | 4.1E-01 | 1.02 | 0.94 |
| rs116117446 | 104903000 | T | G | 0.04 | 0.95 | 0.08 | 4.8E-01 | 0 | <0.01 | 0.02 | I/I | 4.9E-01 | 0.95 | 5.0E-01 | 0.95 | 0.62 |
| rs2816661 | 105596010 | A | C | 0.12 | 1.03 | 0.04 | 4.8E-01 | 0 | <0.01 | 0.12 | I/I | 5.8E-01 | 1.02 | 4.6E-01 | 1.03 | 0.92 |
| rs149735065 | 105384560 | T | C | 0.02 | 1.05 | 0.07 | 4.8E-01 | 21.43 | <0.01 | 0.02 | I/I | 6.7E-01 | 1.03 | 7.6E-01 | 1.02 | 0.86 |
| rs4906445 | 104780294 | C | T | 0.31 | 0.98 | 0.03 | 4.8E-01 | 0 | <0.01 | 0.26 | G*/I | 4.7E-01 | 0.98 | 4.8E-01 | 0.98 | 0.85 |
| rs12434065 | 104988896 | C | G | 0.16 | 1.03 | 0.04 | 4.8E-01 | 0 | <0.01 | 0.21 | I/I | 5.2E-01 | 1.02 | 5.4E-01 | 1.02 | 0.83 |
| rs11844119 | 105640486 | G | A | 0.39 | 1.02 | 0.02 | 4.8E-01 | 47.51 | <0.01 | 0.35 | I/I | 4.1E-01 | 1.02 | 4.4E-01 | 1.02 | 0.99 |
| rs12433715 | 104899549 | C | A | 0.23 | 0.98 | 0.03 | 4.8E-01 | 0 | <0.01 | 0.26 | I/I | 5.4E-01 | 0.98 | 4.7E-01 | 0.98 | 0.84 |
| rs10141511 | 105298022 | T | C | 0.07 | 1.04 | 0.05 | 4.8E-01 | 0 | <0.01 | 0.12 | I/I | 3.8E-01 | 1.05 | 4.8E-01 | 1.04 | 0.61 |
| rs2816673 | 105605199 | C | T | 0.11 | 1.03 | 0.04 | 4.8E-01 | 0 | <0.01 | 0.10 | I/I | 4.9E-01 | 1.03 | 3.9E-01 | 1.03 | 0.90 |
| rs73352310 | 105311527 | T | C | 0.05 | 1.04 | 0.06 | 4.8E-01 | 0 | <0.01 | 0.03 | I/I | 9.4E-01 | 1.00 | 9.5E-01 | 1.00 | 0.71 |
| rs113127878 | 105034783 | T | C | 0.06 | 1.04 | 0.05 | 4.8E-01 | 53.62 | 0.01 | 0.06 | I/I | 3.5E-01 | 1.05 | 3.2E-01 | 1.05 | 0.83 |
| rs7154167 | 104751430 | T | C | 0.39 | 1.02 | 0.03 | 4.8E-01 | 0 | <0.01 | 0.42 | I/I | 4.5E-01 | 1.02 | 5.2E-01 | 1.02 | 0.68 |
| rs3825763 | 105642639 | G | A | 0.39 | 1.01 | 0.02 | 4.8E-01 | 47.82 | <0.01 | 0.36 | I/I | 4.1E-01 | 1.02 | 4.4E-01 | 1.02 | 0.99 |
| rs182264948 | 105351066 | A | C | 0.03 | 1.06 | 0.08 | 4.8E-01 | 0 | <0.01 | 0.05 | I/I | 6.4E-01 | 1.04 | 7.1E-01 | 1.03 | 0.57 |
| rs2006925 | 105672497 | T | C | 0.30 | 1.02 | 0.02 | 4.8E-01 | 0 | <0.01 | 0.32 | I/I | 5.3E-01 | 1.02 | 5.6E-01 | 1.01 | 0.93 |
| rs10139182 | 104996272 | A | C | 0.21 | 0.98 | 0.03 | 4.8E-01 | 76.14 | <0.01 | 0.20 | I/I | 2.9E-01 | 0.97 | 3.4E-01 | 0.97 | 0.85 |
| rs117678142 | 105625424 | T | C | 0.11 | 0.97 | 0.04 | 4.8E-01 | 0 | <0.01 | 0.14 | I/I | 6.2E-01 | 0.98 | 6.3E-01 | 0.98 | 0.87 |
| rs7151473 | 105668531 | C | T | 0.30 | 1.02 | 0.02 | 4.8E-01 | 0 | <0.01 | 0.32 | I/I | 5.3E-01 | 1.02 | 5.6E-01 | 1.01 | 0.93 |
| rs3784227 | 105679928 | C | T | 0.30 | 1.02 | 0.02 | 4.9E-01 | 0 | <0.01 | 0.32 | I/I | 5.2E-01 | 1.02 | 5.5E-01 | 1.01 | 0.94 |
| rs7142130 | 105671232 | A | C | 0.30 | 1.02 | 0.02 | 4.9E-01 | 0 | <0.01 | 0.32 | I/I | 5.3E-01 | 1.02 | 5.6E-01 | 1.01 | 0.93 |
| rs116922905 | 105386543 | C | G | 0.03 | 1.05 | 0.07 | 4.9E-01 | 5.2 | <0.01 | 0.02 | I/I | 6.3E-01 | 1.03 | 7.3E-01 | 1.02 | 0.89 |
| rs117677402 | 105386533 | G | T | 0.03 | 1.05 | 0.07 | 4.9E-01 | 5.15 | <0.01 | 0.02 | I/I | 6.3E-01 | 1.03 | 7.3E-01 | 1.02 | 0.89 |
| rs2816674 | 105605252 | C | T | 0.11 | 1.03 | 0.04 | 4.9E-01 | 0 | <0.01 | 0.10 | I/I | 5.0E-01 | 1.03 | 4.0E-01 | 1.03 | 0.90 |
| rs117033424 | 104799865 | T | C | 0.02 | 1.07 | 0.10 | 4.9E-01 | 13.09 | <0.01 | 0.03 | I/I | 3.8E-01 | 1.09 | 4.2E-01 | 1.08 | 0.60 |
| rs8010223 | 105712091 | C | T | 0.01 | 1.08 | 0.11 | 4.9E-01 | 27.64 | <0.01 | 0.01 | I/I | 7.0E-01 | 1.04 | 5.6E-01 | 1.07 | 0.81 |
| rs11622864 | 104921616 | T | C | 0.21 | 0.98 | 0.03 | 4.9E-01 | 0 | <0.01 | 0.29 | G/G | 5.5E-01 | 0.99 | 4.8E-01 | 0.98 | 1.00 |
| rs112009092 | 105315087 | T | C | 0.05 | 1.04 | 0.05 | 4.9E-01 | 0 | <0.01 | 0.04 | I/I | 9.8E-01 | 1.00 | 9.9E-01 | 1.00 | 0.75 |
| rs28716932 | 104942132 | G | A | 0.23 | 1.02 | 0.03 | 4.9E-01 | 0 | <0.01 | 0.27 | I/I | 5.6E-01 | 1.02 | 4.8E-01 | 1.02 | 0.92 |
| rs4519286 | 104888368 | T | C | 0.22 | 0.98 | 0.03 | 4.9E-01 | 0 | <0.01 | 0.23 | I/I | 5.0E-01 | 0.98 | 4.6E-01 | 0.98 | 0.83 |
| rs7151532 | 105669310 | G | C | 0.30 | 1.02 | 0.02 | 4.9E-01 | 0 | <0.01 | 0.32 | I/I | 5.3E-01 | 1.02 | 5.7E-01 | 1.01 | 0.93 |
| rs34369401 | 105150580 | T | C | 0.15 | 0.97 | 0.04 | 4.9E-01 | 0 | 0.05 | 0.14 | I/I | 3.4E-01 | 0.97 | 8.1E-01 | 1.01 | 0.66 |
| rs76848025 | 104944374 | A | G | 0.05 | 1.04 | 0.05 | 4.9E-01 | 25.07 | 0.01 | 0.02 | I/I | 4.1E-01 | 1.04 | 4.3E-01 | 1.04 | 0.85 |
| rs117999220 | 105064067 | C | T | 0.01 | 0.92 | 0.12 | 4.9E-01 | 35.6 | <0.01 | 0.01 | I/I | 6.7E-01 | 0.95 | 5.7E-01 | 0.94 | 0.70 |
| rs113614574 | 104943299 | T | C | 0.05 | 1.04 | 0.05 | 4.9E-01 | 24.72 | 0.01 | 0.02 | I/I | 4.1E-01 | 1.04 | 4.3E-01 | 1.04 | 0.85 |
| rs11627935 | 105092303 | T | C | 0.49 | 1.02 | 0.03 | 4.9E-01 | 0 | <0.01 | 0.49 | I/I | 3.4E-01 | 1.03 | 2.7E-01 | 1.03 | 0.53 |
| rs2841218 | 105323581 | C | G | 0.04 | 1.04 | 0.06 | 4.9E-01 | 33.31 | <0.01 | 0.05 | I/I | 5.9E-01 | 1.03 | 7.2E-01 | 1.02 | 0.89 |
| rs4326984 | 105162054 | C | T | 0.48 | 1.02 | 0.02 | 4.9E-01 | 0 | <0.01 | 0.49 | I/I | 1.9E-01 | 0.97 | 5.5E-01 | 0.99 | 0.87 |
| rs11160842 | 105674225 | G | A | 0.30 | 1.02 | 0.02 | 4.9E-01 | 0 | <0.01 | 0.32 | I/I | 5.3E-01 | 1.02 | 5.7E-01 | 1.01 | 0.93 |
| rs7153223 | 104749048 | C | T | 0.39 | 1.02 | 0.03 | 4.9E-01 | 0 | <0.01 | 0.43 | I/I | 4.5E-01 | 1.02 | 5.2E-01 | 1.02 | 0.71 |
| rs2241865 | 105459140 | C | A | 0.12 | 0.98 | 0.03 | 4.9E-01 | 0 | <0.01 | 0.11 | G/G | 3.9E-01 | 0.97 | 2.7E-01 | 0.97 | 1.00 |
| rs80032152 | 104943862 | T | C | 0.05 | 1.04 | 0.05 | 4.9E-01 | 24.52 | 0.01 | 0.02 | I/I | 4.1E-01 | 1.04 | 4.3E-01 | 1.04 | 0.86 |
| rs57918775 | 105695493 | T | C | 0.36 | 0.98 | 0.03 | 4.9E-01 | 38.47 | <0.01 | 0.32 | I/I | 4.6E-01 | 0.98 | 6.5E-01 | 0.99 | 0.70 |
| rs35736913 | 105680474 | T | C | 0.09 | 0.97 | 0.05 | 4.9E-01 | 0 | 0.02 | 0.09 | I/I | 5.4E-01 | 0.97 | 6.5E-01 | 0.98 | 0.73 |
| rs4471603 | 104899788 | T | C | 0.23 | 0.98 | 0.03 | 4.9E-01 | 0 | <0.01 | 0.27 | I/I | 5.6E-01 | 0.98 | 4.9E-01 | 0.98 | 0.85 |
| rs10129716 | 105300536 | C | T | 0.05 | 0.95 | 0.07 | 5.0E-01 | 0 | <0.01 | 0.02 | I/I | 5.6E-01 | 0.96 | 3.5E-01 | 0.94 | 0.47 |
| rs4983512 | 105102261 | A | G | 0.12 | 1.03 | 0.04 | 5.0E-01 | 52.38 | <0.01 | 0.15 | I/I | 3.3E-01 | 1.04 | 4.4E-01 | 1.03 | 0.86 |
| rs8010249 | 105495550 | G | T | 0.20 | 1.02 | 0.03 | 5.0E-01 | 0 | <0.01 | 0.22 | I/I | 5.7E-01 | 1.02 | 3.8E-01 | 1.03 | 0.69 |
| rs4371093 | 105135861 | C | A | 0.07 | 1.03 | 0.05 | 5.0E-01 | 45.03 | <0.01 | 0.08 | I/I | 2.2E-01 | 1.06 | 3.5E-01 | 1.05 | 0.74 |
| rs5009019 | 105499885 | G | C | 0.09 | 0.96 | 0.05 | 5.0E-01 | 51.22 | <0.01 | 0.10 | I/I | 7.2E-01 | 0.98 | 7.1E-01 | 0.98 | 0.50 |
| rs61998861 | 104993974 | T | C | 0.49 | 1.02 | 0.03 | 5.0E-01 | 53.16 | <0.01 | 0.49 | I/I | 6.6E-01 | 1.01 | 4.4E-01 | 1.02 | 0.83 |
| rs2312741 | 105675235 | T | C | 0.29 | 1.02 | 0.02 | 5.0E-01 | 0 | <0.01 | 0.32 | I/I | 5.4E-01 | 1.02 | 5.7E-01 | 1.01 | 0.94 |
| rs2816659 | 105595216 | A | T | 0.36 | 1.02 | 0.03 | 5.0E-01 | 0 | <0.01 | 0.38 | I/I | 5.2E-01 | 1.02 | 3.5E-01 | 1.02 | 0.88 |
| rs28406206 | 105688082 | T | C | 0.08 | 0.97 | 0.05 | 5.0E-01 | 0 | 0.02 | 0.09 | I/I | 5.3E-01 | 0.97 | 6.5E-01 | 0.98 | 0.72 |
| rs12586891 | 104850856 | T | C | 0.39 | 1.02 | 0.02 | 5.0E-01 | 0 | <0.01 | 0.44 | I/I | 5.9E-01 | 1.01 | 5.0E-01 | 1.02 | 0.79 |
| rs12894144 | 105685800 | T | C | 0.29 | 1.02 | 0.02 | 5.0E-01 | 0 | <0.01 | 0.32 | G*/I | 5.4E-01 | 1.02 | 5.7E-01 | 1.01 | 0.95 |
| rs61999504 | 105623104 | T | C | 0.02 | 1.07 | 0.10 | 5.0E-01 | 41.56 | <0.01 | 0.02 | I/I | 4.6E-01 | 1.07 | 4.1E-01 | 1.08 | 0.64 |
| rs35971653 | 105670695 | T | C | 0.30 | 1.02 | 0.02 | 5.0E-01 | 0 | <0.01 | 0.32 | I/I | 5.4E-01 | 1.02 | 5.8E-01 | 1.01 | 0.93 |
| rs11844206 | 105640460 | A | G | 0.39 | 1.01 | 0.02 | 5.0E-01 | 49.21 | <0.01 | 0.36 | I/I | 4.3E-01 | 1.02 | 4.6E-01 | 1.02 | 0.99 |
| rs113323381 | 105005623 | T | C | 0.07 | 1.03 | 0.05 | 5.0E-01 | 47.5 | <0.01 | 0.08 | I/I | 4.2E-01 | 1.04 | 4.0E-01 | 1.04 | 0.79 |
| rs2241867 | 105453413 | C | G | 0.13 | 1.02 | 0.03 | 5.0E-01 | 0 | <0.01 | 0.11 | I/I | 5.6E-01 | 1.02 | 4.0E-01 | 1.03 | 0.92 |
| rs58782219 | 105475297 | A | G | 0.03 | 1.04 | 0.06 | 5.0E-01 | 31.4 | <0.01 | 0.02 | I/I | 6.1E-01 | 1.03 | 7.1E-01 | 1.02 | 0.96 |
| rs6576077 | 105668189 | C | T | 0.30 | 1.02 | 0.02 | 5.0E-01 | 0 | <0.01 | 0.32 | I/I | 5.4E-01 | 1.01 | 5.8E-01 | 1.01 | 0.93 |
| rs7151177 | 105043819 | G | A | 0.12 | 1.03 | 0.04 | 5.0E-01 | 1.73 | <0.01 | 0.12 | I/I | 7.4E-01 | 1.01 | 7.9E-01 | 1.01 | 0.88 |
| rs12434726 | 104884605 | C | T | 0.49 | 0.98 | 0.02 | 5.0E-01 | 0 | <0.01 | 0.44 | G*/I | 5.7E-01 | 0.99 | 5.3E-01 | 0.98 | 0.89 |
| rs28702916 | 105686146 | C | T | 0.29 | 1.02 | 0.02 | 5.0E-01 | 0 | <0.01 | 0.32 | I/I | 5.4E-01 | 1.01 | 5.7E-01 | 1.01 | 0.94 |
| rs11846918 | 105415469 | C | T | 0.35 | 1.02 | 0.03 | 5.0E-01 | 49.85 | 0.02 | 0.34 | I/I | 1.7E-01 | 1.04 | 2.6E-01 | 1.03 | 0.59 |
| rs145860637 | 105326249 | T | C | 0.01 | 0.92 | 0.13 | 5.0E-01 | 0 | <0.01 | 0.01 | I/I | 2.7E-01 | 0.87 | 5.0E-01 | 0.92 | 0.58 |
| rs11850496 | 104749318 | T | C | 0.38 | 1.02 | 0.03 | 5.0E-01 | 0 | <0.01 | 0.42 | I/I | 4.7E-01 | 1.02 | 5.4E-01 | 1.02 | 0.69 |
| rs10139450 | 105643652 | C | A | 0.39 | 1.01 | 0.02 | 5.0E-01 | 47.49 | <0.01 | 0.36 | I/I | 4.3E-01 | 1.02 | 4.6E-01 | 1.02 | 1.00 |
| rs2735811 | 105592191 | A | G | 0.36 | 1.02 | 0.03 | 5.0E-01 | 0 | <0.01 | 0.39 | I/I | 5.4E-01 | 1.02 | 3.7E-01 | 1.02 | 0.87 |
| rs60405135 | 105468480 | G | C | 0.13 | 0.98 | 0.03 | 5.0E-01 | 0 | <0.01 | 0.12 | I/I | 4.1E-01 | 0.98 | 2.8E-01 | 0.97 | 0.99 |
| rs61998862 | 104993976 | G | T | 0.49 | 1.02 | 0.03 | 5.0E-01 | 52.79 | <0.01 | 0.49 | I/I | 6.7E-01 | 1.01 | 4.5E-01 | 1.02 | 0.83 |
| rs880616 | 105642138 | T | C | 0.39 | 1.01 | 0.02 | 5.0E-01 | 49.4 | <0.01 | 0.36 | I/I | 4.3E-01 | 1.02 | 4.6E-01 | 1.02 | 1.00 |
| rs183641108 | 105388495 | T | C | 0.03 | 1.04 | 0.07 | 5.1E-01 | 0 | <0.01 | 0.02 | I/I | 6.5E-01 | 1.03 | 7.6E-01 | 1.02 | 0.90 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs77825258 | 105387609 | C | T | 0.03 | 1.05 | 0.07 | 5.1E-01 | 0 | <0.01 | 0.02 | I/I | 6.5E-01 | 1.03 | 7.6E-01 | 1.02 | 0.90 |
| rs8010342 | 105672066 | C | A | 0.30 | 1.02 | 0.02 | 5.1E-01 | 0 | <0.01 | 0.32 | I/I | 5.5E-01 | 1.01 | 6.0E-01 | 1.01 | 0.92 |
| rs184571245 | 105356532 | G | T | 0.09 | 0.97 | 0.05 | 5.1E-01 | 60.73 | <0.01 | 0.16 | I/I | 2.5E-01 | 0.94 | 3.2E-01 | 0.95 | 0.49 |
| rs7157285 | 105669360 | A | T | 0.30 | 1.02 | 0.02 | 5.1E-01 | 0 | <0.01 | 0.32 | I/I | 5.5E-01 | 1.01 | 5.9E-01 | 1.01 | 0.93 |
| rs4906460 | 104883844 | C | T | 0.22 | 0.98 | 0.03 | 5.1E-01 | 0 | <0.01 | 0.25 | I/I | 5.1E-01 | 0.98 | 4.7E-01 | 0.98 | 0.92 |
| rs4906457 | 104883143 | C | G | 0.22 | 0.98 | 0.03 | 5.1E-01 | 0 | <0.01 | 0.25 | I/I | 5.1E-01 | 0.98 | 4.7E-01 | 0.98 | 0.92 |
| rs77384212 | 105428491 | C | T | 0.03 | 1.04 | 0.06 | 5.1E-01 | 0 | <0.01 | 0.02 | I/I | 8.2E-01 | 1.02 | 1.0E+00 | 1.00 | 0.84 |
| rs8005486 | 105686570 | C | T | 0.29 | 1.02 | 0.02 | 5.1E-01 | 0 | <0.01 | 0.32 | I/I | 5.5E-01 | 1.01 | 5.8E-01 | 1.01 | 0.94 |
| rs34413418 | 104987822 | T | C | 0.35 | 0.98 | 0.03 | 5.1E-01 | 0 | <0.01 | 0.41 | I/I | 3.9E-01 | 0.98 | 5.7E-01 | 0.98 | 0.68 |
| rs12883636 | 105692697 | C | G | 0.29 | 1.02 | 0.02 | 5.1E-01 | 0 | <0.01 | 0.32 | I/I | 5.7E-01 | 1.01 | 6.0E-01 | 1.01 | 0.93 |
| rs8007360 | 105130941 | A | G | 0.33 | 1.02 | 0.03 | 5.1E-01 | 0 | 0.02 | 0.37 | I/I | 5.6E-01 | 1.02 | 8.5E-01 | 1.01 | 0.86 |
| rs74603289 | 105401180 | T | C | 0.02 | 1.06 | 0.09 | 5.1E-01 | 36.92 | <0.01 | 0.01 | I/I | 4.4E-01 | 1.07 | 5.1E-01 | 1.06 | 0.66 |
| rs187776716 | 105128241 | A | G | 0.02 | 0.93 | 0.11 | 5.1E-01 | 34.26 | <0.01 | 0.02 | I/I | 8.8E-01 | 0.98 | 6.4E-01 | 0.95 | 0.54 |
| rs4424849 | 105508666 | G | A | 0.26 | 1.02 | 0.02 | 5.1E-01 | 0 | <0.01 | 0.25 | I/I | 4.1E-01 | 1.02 | 2.3E-01 | 1.03 | 1.00 |
| rs2841263 | 105374626 | T | C | 0.08 | 1.02 | 0.04 | 5.1E-01 | 21.1 | <0.01 | 0.08 | I/I | 8.4E-01 | 1.01 | 9.5E-01 | 1.00 | 0.98 |
| rs77732021 | 105149150 | A | C | 0.05 | 0.95 | 0.07 | 5.1E-01 | 67.59 | <0.01 | 0.04 | I/I | 3.8E-01 | 0.94 | 8.2E-01 | 0.98 | 0.48 |
| rs74088594 | 104841866 | G | A | 0.09 | 1.03 | 0.04 | 5.1E-01 | 0 | <0.01 | 0.08 | I/I | 5.9E-01 | 1.02 | 6.6E-01 | 1.02 | 0.77 |
| rs4993271 | 104751156 | A | G | 0.34 | 1.02 | 0.03 | 5.1E-01 | 0 | <0.01 | 0.40 | I/I | 4.9E-01 | 1.02 | 5.7E-01 | 1.02 | 0.61 |
| rs60806965 | 105423663 | C | T | 0.03 | 1.05 | 0.07 | 5.1E-01 | 9.85 | <0.01 | 0.02 | I/I | 5.6E-01 | 1.04 | 6.9E-01 | 1.03 | 0.85 |
| rs74090133 | 105423666 | C | A | 0.03 | 1.05 | 0.07 | 5.1E-01 | 9.84 | <0.01 | 0.02 | I/I | 5.6E-01 | 1.04 | 6.9E-01 | 1.03 | 0.85 |
| rs61995971 | 105288348 | A | G | 0.07 | 0.97 | 0.05 | 5.1E-01 | 61.23 | <0.01 | 0.08 | I/I | 7.3E-01 | 1.02 | 9.6E-01 | 1.00 | 0.53 |
| rs78090212 | 104860797 | A | G | 0.07 | 1.04 | 0.06 | 5.1E-01 | 0 | <0.01 | 0.07 | I/I | 5.3E-01 | 1.04 | 4.0E-01 | 1.05 | 0.61 |
| rs191711895 | 105291932 | C | T | 0.07 | 0.96 | 0.06 | 5.1E-01 | 45.64 | <0.01 | 0.05 | I/I | 7.3E-01 | 0.98 | 4.2E-01 | 0.95 | 0.49 |
| rs2010787 | 105690092 | T | C | 0.29 | 1.02 | 0.02 | 5.1E-01 | 0 | <0.01 | 0.32 | G*/I | 5.5E-01 | 1.01 | 5.8E-01 | 1.01 | 0.95 |
| rs1882848 | 105644151 | C | T | 0.39 | 1.01 | 0.02 | 5.2E-01 | 48.04 | <0.01 | 0.36 | I/I | 4.5E-01 | 1.02 | 4.7E-01 | 1.02 | 1.00 |
| rs145296877 | 105455602 | C | T | 0.02 | 1.06 | 0.10 | 5.2E-01 | 0 | <0.01 | 0.02 | I/I | 4.7E-01 | 1.07 | 5.5E-01 | 1.06 | 0.76 |
| rs11621385 | 105687199 | C | T | 0.29 | 1.02 | 0.02 | 5.2E-01 | 0 | <0.01 | 0.32 | I/I | 5.6E-01 | 1.01 | 5.9E-01 | 1.01 | 0.94 |
| rs146095558 | 105121639 | A | T | 0.04 | 1.05 | 0.07 | 5.2E-01 | 54.88 | <0.01 | 0.02 | I/I | 7.6E-01 | 1.02 | 8.0E-01 | 1.02 | 0.64 |
| rs182868140 | 105351246 | C | T | 0.11 | 0.97 | 0.04 | 5.2E-01 | 13.42 | <0.01 | 0.15 | I/I | 5.4E-01 | 0.97 | 7.5E-01 | 0.99 | 0.54 |
| rs4983508 | 105093301 | C | T | 0.12 | 1.03 | 0.04 | 5.2E-01 | 52.36 | <0.01 | 0.15 | I/I | 3.6E-01 | 1.04 | 4.6E-01 | 1.03 | 0.68 |
| rs12434207 | 105128105 | G | T | 0.08 | 1.03 | 0.05 | 5.2E-01 | 52.72 | <0.01 | 0.09 | I/I | 2.6E-01 | 1.05 | 3.6E-01 | 1.04 | 0.79 |
| rs2819440 | 105417894 | G | C | 0.24 | 1.02 | 0.03 | 5.2E-01 | 34.93 | 0.02 | 0.23 | I/I | 3.4E-01 | 1.03 | 2.6E-01 | 1.04 | 0.64 |
| rs10139596 | 105643619 | A | G | 0.39 | 1.01 | 0.02 | 5.2E-01 | 50.1 | <0.01 | 0.36 | I/I | 4.5E-01 | 1.02 | 4.8E-01 | 1.02 | 1.00 |
| rs72703898 | 105535253 | A | G | 0.02 | 1.06 | 0.08 | 5.2E-01 | 0 | <0.01 | 0.04 | I/I | 7.7E-01 | 1.03 | 7.8E-01 | 1.02 | 0.84 |
| rs2582517 | 105313442 | G | A | 0.08 | 1.03 | 0.04 | 5.2E-01 | 0 | <0.01 | 0.07 | I/I | 9.9E-01 | 1.00 | 9.1E-01 | 1.00 | 0.78 |
| rs45515697 | 105457282 | A | G | 0.13 | 0.98 | 0.03 | 5.2E-01 | 0 | <0.01 | 0.12 | I/I | 4.3E-01 | 0.98 | 2.9E-01 | 0.97 | 0.99 |
| rs10129642 | 105103694 | A | G | 0.12 | 1.03 | 0.04 | 5.2E-01 | 52.89 | <0.01 | 0.15 | I/I | 3.6E-01 | 1.04 | 4.7E-01 | 1.03 | 0.86 |
| rs10400759 | 105687536 | G | A | 0.29 | 1.02 | 0.02 | 5.2E-01 | 0 | <0.01 | 0.32 | I/I | 5.6E-01 | 1.01 | 5.9E-01 | 1.01 | 0.94 |
| rs4983590 | 105646179 | A | G | 0.39 | 1.01 | 0.02 | 5.2E-01 | 51.37 | <0.01 | 0.36 | G*/G | 4.5E-01 | 1.02 | 4.8E-01 | 1.02 | 0.99 |
| rs2242636 | 105614032 | G | C | 0.36 | 1.01 | 0.02 | 5.2E-01 | 56.13 | <0.01 | 0.32 | I/I | 4.3E-01 | 1.02 | 5.0E-01 | 1.01 | 0.97 |
| rs73363318 | 105091286 | G | C | 0.11 | 1.02 | 0.04 | 5.2E-01 | 71.91 | <0.01 | 0.09 | I/I | 4.9E-01 | 1.03 | 5.6E-01 | 1.02 | 0.81 |
| rs17620990 | 105687771 | C | T | 0.29 | 1.02 | 0.02 | 5.3E-01 | 0 | <0.01 | 0.32 | I/I | 5.7E-01 | 1.01 | 6.0E-01 | 1.01 | 0.94 |
| rs10140111 | 105644282 | G | C | 0.39 | 1.01 | 0.02 | 5.3E-01 | 49.48 | <0.01 | 0.36 | I/I | 4.5E-01 | 1.02 | 4.8E-01 | 1.02 | 1.00 |
| rs117743574 | 105391469 | C | G | 0.03 | 1.04 | 0.07 | 5.3E-01 | 51.94 | <0.01 | 0.02 | I/I | 7.0E-01 | 1.03 | 8.0E-01 | 1.02 | 0.91 |
| rs10139451 | 104752022 | G | A | 0.39 | 1.02 | 0.03 | 5.3E-01 | 0 | <0.01 | 0.42 | I/I | 4.9E-01 | 1.02 | 5.6E-01 | 1.02 | 0.67 |
| rs10139455 | 104752043 | G | A | 0.39 | 1.02 | 0.03 | 5.3E-01 | 0 | <0.01 | 0.42 | I/I | 4.9E-01 | 1.02 | 5.6E-01 | 1.02 | 0.67 |
| rs4983513 | 105102555 | C | T | 0.13 | 1.02 | 0.04 | 5.3E-01 | 52.89 | <0.01 | 0.15 | I/I | 3.7E-01 | 1.04 | 4.7E-01 | 1.03 | 0.85 |
| rs75100193 | 105472994 | A | T | 0.03 | 1.04 | 0.06 | 5.3E-01 | 30.7 | <0.01 | 0.02 | I/I | 6.5E-01 | 1.03 | 7.5E-01 | 1.02 | 0.94 |
| rs28458861 | 104753148 | A | G | 0.37 | 1.02 | 0.03 | 5.3E-01 | 0 | <0.01 | 0.42 | I/I | 5.0E-01 | 1.02 | 5.7E-01 | 1.02 | 0.61 |
| rs11626524 | 104762402 | C | T | 0.14 | 0.98 | 0.04 | 5.3E-01 | 0 | <0.01 | 0.15 | I/I | 5.7E-01 | 0.98 | 5.8E-01 | 0.98 | 0.78 |
| rs144769838 | 105385516 | T | G | 0.03 | 1.04 | 0.07 | 5.3E-01 | 0 | <0.01 | 0.02 | I/I | 7.2E-01 | 1.02 | 8.2E-01 | 1.02 | 0.89 |
| rs3784241 | 105622960 | T | G | 0.11 | 0.97 | 0.04 | 5.3E-01 | 0 | <0.01 | 0.14 | I/I | 6.7E-01 | 0.98 | 6.8E-01 | 0.98 | 0.87 |
| rs10138846 | 105618886 | G | C | 0.11 | 0.97 | 0.04 | 5.3E-01 | 0 | <0.01 | 0.14 | I/I | 6.7E-01 | 0.98 | 6.8E-01 | 0.98 | 0.87 |
| rs34058091 | 105042927 | G | T | 0.10 | 1.03 | 0.04 | 5.3E-01 | 24.41 | <0.01 | 0.12 | I/I | 7.5E-01 | 1.01 | 8.0E-01 | 1.01 | 0.88 |
| rs60794775 | 105066923 | C | T | 0.10 | 1.02 | 0.04 | 5.4E-01 | 49.32 | <0.01 | 0.11 | I/I | 4.6E-01 | 1.03 | 5.0E-01 | 1.03 | 0.89 |
| rs76280735 | 105499854 | G | C | 0.12 | 1.03 | 0.04 | 5.4E-01 | 0.75 | <0.01 | 0.11 | I/I | 4.4E-01 | 1.03 | 3.8E-01 | 1.04 | 0.51 |
| rs4146328 | 105636587 | A | G | 0.40 | 1.01 | 0.02 | 5.4E-01 | 46.79 | <0.01 | 0.35 | I/I | 5.5E-01 | 1.01 | 5.8E-01 | 1.01 | 0.85 |
| rs14592 | 105717265 | T | C | 0.06 | 0.96 | 0.06 | 5.4E-01 | 0 | 0.01 | 0.09 | G*/I | 5.9E-01 | 0.97 | 6.0E-01 | 0.97 | 0.61 |
| rs2091920 | 105693309 | G | C | 0.29 | 1.02 | 0.02 | 5.4E-01 | 0 | <0.01 | 0.32 | I/I | 6.0E-01 | 1.01 | 6.3E-01 | 1.01 | 0.91 |
| rs146795886 | 105484119 | T | G | 0.03 | 1.04 | 0.06 | 5.4E-01 | 31.91 | <0.01 | 0.02 | I/I | 6.6E-01 | 1.03 | 7.6E-01 | 1.02 | 0.94 |
| rs28502730 | 104926595 | T | C | 0.07 | 1.03 | 0.04 | 5.4E-01 | 28.31 | 0.01 | 0.02 | I/I | 4.6E-01 | 1.03 | 4.8E-01 | 1.03 | 0.88 |
| rs74976966 | 105671033 | A | C | 0.02 | 1.06 | 0.10 | 5.4E-01 | 0.28 | <0.01 | 0.01 | I/I | 5.5E-01 | 1.06 | 5.9E-01 | 1.05 | 0.64 |
| rs7143644 | 105107537 | A | G | 0.07 | 1.03 | 0.05 | 5.4E-01 | 0 | <0.01 | 0.04 | I/I | 9.7E-01 | 1.00 | 3.0E-01 | 1.06 | 0.73 |
| rs56307141 | 105131197 | C | A | 0.33 | 1.02 | 0.03 | 5.4E-01 | 0 | 0.02 | 0.37 | I/I | 6.0E-01 | 1.01 | 8.9E-01 | 1.00 | 0.85 |
| rs56401486 | 105278921 | A | G | 0.41 | 0.98 | 0.03 | 5.4E-01 | 0 | 0.06 | 0.41 | I/I | 6.4E-01 | 1.01 | 8.0E-01 | 0.99 | 0.52 |
| rs3784226 | 105681602 | T | C | 0.05 | 0.96 | 0.06 | 5.4E-01 | 0 | <0.01 | 0.04 | I/I | 6.6E-01 | 0.97 | 6.1E-01 | 0.97 | 0.63 |
| rs4073645 | 105105769 | T | C | 0.11 | 1.02 | 0.04 | 5.4E-01 | 37.75 | <0.01 | 0.13 | G*/I | 4.1E-01 | 1.03 | 5.0E-01 | 1.03 | 0.87 |
| rs78262814 | 105612885 | A | G | 0.12 | 0.98 | 0.04 | 5.4E-01 | 0 | <0.01 | 0.15 | I/I | 6.6E-01 | 0.98 | 6.5E-01 | 0.98 | 0.85 |
| rs10149229 | 105609335 | G | A | 0.36 | 1.01 | 0.02 | 5.4E-01 | 49.03 | <0.01 | 0.32 | I/I | 4.6E-01 | 1.02 | 5.3E-01 | 1.01 | 0.94 |
| rs12589619 | 105046728 | C | T | 0.12 | 1.02 | 0.04 | 5.5E-01 | 3.65 | <0.01 | 0.12 | I/I | 7.8E-01 | 1.01 | 8.4E-01 | 1.01 | 0.88 |
| rs28525465 | 104753146 | G | A | 0.37 | 1.02 | 0.03 | 5.5E-01 | 0 | <0.01 | 0.42 | I/I | 5.2E-01 | 1.02 | 5.9E-01 | 1.02 | 0.61 |
| rs10138987 | 105084021 | T | A | 0.13 | 0.98 | 0.03 | 5.5E-01 | 0 | <0.01 | 0.16 | I/I | 5.1E-01 | 0.98 | 6.2E-01 | 0.98 | 0.92 |
| rs2072674 | 105623512 | C | T | 0.37 | 1.01 | 0.02 | 5.5E-01 | 57.3 | <0.01 | 0.34 | I/I | 4.6E-01 | 1.02 | 5.1E-01 | 1.01 | 0.99 |
| rs59917589 | 105490983 | A | G | 0.03 | 1.04 | 0.06 | 5.5E-01 | 34.31 | <0.01 | 0.02 | I/I | 6.7E-01 | 1.03 | 7.7E-01 | 1.02 | 0.93 |
| rs74921260 | 105482378 | G | A | 0.03 | 1.04 | 0.06 | 5.5E-01 | 31.85 | <0.01 | 0.02 | I/I | 6.7E-01 | 1.03 | 7.7E-01 | 1.02 | 0.94 |
| rs192378216 | 105183688 | C | T | 0.02 | 0.94 | 0.10 | 5.5E-01 | 61.08 | <0.01 | 0.04 | I/I | 4.3E-01 | 0.92 | 3.1E-01 | 0.90 | 0.72 |
| rs7144760 | 105279080 | A | G | 0.16 | 0.98 | 0.04 | 5.5E-01 | 57.67 | <0.01 | 0.10 | I/I | 2.0E-01 | 0.95 | 3.3E-01 | 0.96 | 0.58 |
| rs3935767 | 104750616 | A | G | 0.39 | 1.02 | 0.03 | 5.5E-01 | 0 | <0.01 | 0.42 | I/I | 5.2E-01 | 1.02 | 6.0E-01 | 1.01 | 0.69 |
| rs35729818 | 104889503 | T | G | 0.23 | 0.98 | 0.03 | 5.5E-01 | 0 | <0.01 | 0.25 | I/I | 5.7E-01 | 0.98 | 5.3E-01 | 0.98 | 0.86 |
| rs12884949 | 105022314 | C | G | 0.14 | 0.98 | 0.03 | 5.5E-01 | 0 | <0.01 | 0.16 | I/I | 5.9E-01 | 0.98 | 4.2E-01 | 0.97 | 0.91 |
| rs4983518 | 105122469 | A | G | 0.08 | 1.03 | 0.05 | 5.5E-01 | 53.3 | <0.01 | 0.09 | I/I | 3.1E-01 | 1.05 | 4.3E-01 | 1.04 | 0.80 |
| rs11160798 | 104749399 | C | T | 0.38 | 1.02 | 0.03 | 5.5E-01 | 0 | <0.01 | 0.42 | I/I | 5.2E-01 | 1.02 | 5.9E-01 | 1.02 | 0.71 |
| rs181522956 | 105321433 | A | G | 0.08 | 1.03 | 0.05 | 5.5E-01 | 12.81 | <0.01 | 0.05 | I/I | 8.3E-01 | 1.01 | 8.1E-01 | 1.01 | 0.52 |
| rs61998874 | 105000172 | T | C | 0.48 | 1.02 | 0.03 | 5.6E-01 | 53.78 | <0.01 | 0.48 | I/I | 7.1E-01 | 1.01 | 5.0E-01 | 1.02 | 0.83 |
| rs12433546 | 105509234 | C | T | 0.27 | 1.01 | 0.02 | 5.6E-01 | 0 | <0.01 | 0.25 | I/I | 4.4E-01 | 1.02 | 2.5E-01 | 1.03 | 0.99 |
| rs8017877 | 105646470 | T | C | 0.39 | 1.01 | 0.02 | 5.6E-01 | 43.97 | <0.01 | 0.36 | I/I | 4.9E-01 | 1.01 | 5.2E-01 | 1.01 | 0.98 |
| rs57468036 | 104841485 | A | G | 0.10 | 1.02 | 0.04 | 5.6E-01 | 0 | <0.01 | 0.10 | I/I | 6.3E-01 | 1.02 | 7.0E-01 | 1.02 | 0.79 |
| rs11628179 | 104913210 | T | G | 0.21 | 0.99 | 0.03 | 5.6E-01 | 0 | <0.01 | 0.29 | I/I | 6.4E-01 | 0.99 | 5.8E-01 | 0.99 | 0.97 |
| rs12891506 | 105468792 | A | C | 0.13 | 0.98 | 0.03 | 5.6E-01 | 0 | <0.01 | 0.11 | I/I | 4.6E-01 | 0.98 | 3.1E-01 | 0.97 | 0.98 |
| rs10873556 | 105648815 | T | C | 0.39 | 1.01 | 0.02 | 5.6E-01 | 61.77 | <0.01 | 0.36 | I/I | 4.9E-01 | 1.01 | 5.2E-01 | 1.01 | 0.96 |
| rs149611584 | 105316296 | T | C | 0.02 | 1.06 | 0.11 | 5.6E-01 | 0 | <0.01 | 0.01 | I/I | 9.6E-01 | 0.99 | 3.6E-01 | 1.10 | 0.59 |
| rs741859 | 105607979 | T | C | 0.11 | 1.02 | 0.04 | 5.6E-01 | 0 | <0.01 | 0.09 | I/I | 5.8E-01 | 1.02 | 4.6E-01 | 1.03 | 0.89 |
| rs57054585 | 105125907 | T | G | 0.08 | 1.03 | 0.05 | 5.6E-01 | 52.4 | <0.01 | 0.09 | I/I | 3.2E-01 | 1.05 | 4.3E-01 | 1.04 | 0.80 |
| rs117005594 | 104772400 | T | C | 0.05 | 1.04 | 0.06 | 5.6E-01 | 0 | <0.01 | 0.05 | I/I | 6.0E-01 | 1.03 | 5.7E-01 | 1.03 | 0.68 |
| rs2582526 | 105385483 | A | G | 0.39 | 1.01 | 0.02 | 5.6E-01 | 22.15 | <0.01 | 0.36 | I/I | 6.3E-01 | 1.01 | 8.6E-01 | 1.00 | 0.78 |
| rs73350382 | 105292978 | C | T | 0.06 | 0.96 | 0.06 | 5.6E-01 | 0 | <0.01 | 0.06 | I/I | 6.0E-01 | 0.97 | 5.4E-01 | 0.96 | 0.49 |
| rs6576054 | 105081957 | C | G | 0.13 | 0.98 | 0.03 | 5.6E-01 | 0 | 0.01 | 0.15 | I/I | 5.3E-01 | 0.98 | 6.4E-01 | 0.98 | 0.92 |
| rs185355344 | 105658588 | A | G | 0.03 | 1.04 | 0.07 | 5.6E-01 | 0 | <0.01 | 0.03 | I/I | 4.0E-01 | 1.06 | 4.3E-01 | 1.06 | 0.71 |
| rs2582538 | 105366721 | A | T | 0.08 | 1.02 | 0.04 | 5.6E-01 | 0 | <0.01 | 0.08 | I/I | 8.8E-01 | 1.01 | 9.1E-01 | 1.00 | 1.00 |
| rs2841247 | 105366762 | A | G | 0.08 | 1.02 | 0.04 | 5.6E-01 | 0 | <0.01 | 0.08 | I/I | 8.8E-01 | 1.01 | 9.1E-01 | 1.00 | 1.00 |
| rs188980533 | 105119326 | C | G | 0.03 | 1.05 | 0.08 | 5.7E-01 | 0 | <0.01 | 0.01 | I/I | 8.9E-01 | 1.01 | 9.2E-01 | 1.01 | 0.73 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs10873549 | 105126319 | C | T | 0.08 | 1.03 | 0.05 | 5.7E-01 | 52.18 | <0.01 | 0.09 | I/I | 3.2E-01 | 1.05 | 4.3E-01 | 1.04 | 0.80 |
| rs59373922 | 105416784 | G | A | 0.08 | 1.03 | 0.05 | 5.7E-01 | 0 | 0.02 | 0.09 | I/I | 7.0E-01 | 1.02 | 6.9E-01 | 1.02 | 0.64 |
| rs4270105 | 105048542 | T | C | 0.10 | 1.02 | 0.04 | 5.7E-01 | 22 | <0.01 | 0.12 | I/I | 7.9E-01 | 1.01 | 8.5E-01 | 1.01 | 0.87 |
| rs4983404 | 105015189 | A | G | 0.16 | 1.02 | 0.03 | 5.7E-01 | 0 | <0.01 | 0.12 | I/I | 5.6E-01 | 1.02 | 6.0E-01 | 1.02 | 0.75 |
| rs11620834 | 105677983 | G | C | 0.02 | 1.06 | 0.10 | 5.7E-01 | 0 | <0.01 | 0.02 | I/I | 5.9E-01 | 1.05 | 6.6E-01 | 1.04 | 0.67 |
| rs73350401 | 105302637 | T | C | 0.05 | 1.03 | 0.06 | 5.7E-01 | 0 | <0.01 | 0.03 | I/I | 9.3E-01 | 0.99 | 9.3E-01 | 0.99 | 0.69 |
| rs10873555 | 105648608 | C | T | 0.39 | 1.01 | 0.02 | 5.7E-01 | 58.71 | <0.01 | 0.36 | I/I | 5.0E-01 | 1.01 | 5.3E-01 | 1.01 | 0.96 |
| rs2582559 | 105347248 | G | C | 0.08 | 1.02 | 0.04 | 5.7E-01 | 41.39 | <0.01 | 0.08 | I/I | 8.5E-01 | 1.01 | 9.4E-01 | 1.00 | 0.97 |
| rs73350365 | 105281754 | G | A | 0.05 | 1.03 | 0.06 | 5.7E-01 | 0 | <0.01 | 0.03 | I/I | 9.1E-01 | 0.99 | 9.2E-01 | 0.99 | 0.66 |
| rs61998865 | 104995783 | T | C | 0.49 | 1.01 | 0.03 | 5.7E-01 | 52.49 | <0.01 | 0.48 | I/I | 7.4E-01 | 1.01 | 5.1E-01 | 1.02 | 0.84 |
| rs185665842 | 105331497 | T | C | 0.04 | 1.03 | 0.06 | 5.7E-01 | 20.89 | <0.01 | 0.05 | I/I | 7.4E-01 | 1.02 | 8.0E-01 | 1.01 | 0.77 |
| rs2003181 | 105642016 | T | C | 0.39 | 1.01 | 0.02 | 5.7E-01 | 52.85 | <0.01 | 0.36 | I/I | 5.0E-01 | 1.01 | 5.3E-01 | 1.01 | 0.99 |
| rs7140257 | 104963012 | T | C | 0.06 | 1.03 | 0.05 | 5.7E-01 | 27.58 | <0.01 | 0.02 | I/I | 5.2E-01 | 1.03 | 5.4E-01 | 1.03 | 0.85 |
| rs79705661 | 104905717 | C | T | 0.05 | 1.03 | 0.06 | 5.7E-01 | 37.23 | <0.01 | 0.08 | I/I | 6.0E-01 | 1.03 | 6.6E-01 | 1.03 | 0.72 |
| rs10873554 | 105648606 | A | G | 0.39 | 1.01 | 0.02 | 5.7E-01 | 58.79 | <0.01 | 0.36 | I/I | 5.1E-01 | 1.01 | 5.4E-01 | 1.01 | 0.96 |
| rs35064464 | 104985530 | G | A | 0.38 | 0.98 | 0.03 | 5.7E-01 | 18.47 | <0.01 | 0.39 | I/I | 4.9E-01 | 0.98 | 6.8E-01 | 0.99 | 0.72 |
| rs4994394 | 105149647 | A | G | 0.18 | 1.02 | 0.04 | 5.7E-01 | 0 | <0.01 | 0.16 | I/I | 4.7E-01 | 1.03 | 5.9E-01 | 1.02 | 0.51 |
| rs58784542 | 104951222 | T | C | 0.06 | 1.03 | 0.05 | 5.7E-01 | 23.61 | <0.01 | 0.02 | I/I | 5.2E-01 | 1.03 | 5.4E-01 | 1.03 | 0.85 |
| rs183140846 | 105117133 | A | G | 0.01 | 0.93 | 0.13 | 5.7E-01 | 4.75 | <0.01 | 0.02 | I/I | 8.0E-01 | 0.97 | 6.4E-01 | 0.94 | 0.57 |
| rs61998869 | 104999302 | A | C | 0.48 | 1.01 | 0.03 | 5.7E-01 | 54.07 | <0.01 | 0.48 | I/I | 7.3E-01 | 1.01 | 5.1E-01 | 1.02 | 0.83 |
| rs75442513 | 105040821 | G | A | 0.19 | 1.02 | 0.03 | 5.8E-01 | 36.69 | <0.01 | 0.19 | I/I | 6.8E-01 | 1.01 | 6.4E-01 | 1.01 | 0.76 |
| rs4983536 | 105183236 | C | T | 0.44 | 0.99 | 0.02 | 5.8E-01 | 14.96 | 0.08 | 0.44 | I/I | 2.9E-01 | 1.03 | 8.1E-01 | 1.01 | 0.87 |
| rs59432264 | 104995291 | A | G | 0.49 | 1.01 | 0.03 | 5.8E-01 | 52.45 | <0.01 | 0.48 | I/I | 7.4E-01 | 1.01 | 5.2E-01 | 1.02 | 0.84 |
| rs56076302 | 104996947 | A | T | 0.49 | 1.01 | 0.03 | 5.8E-01 | 52.28 | <0.01 | 0.48 | I/I | 7.4E-01 | 1.01 | 5.2E-01 | 1.02 | 0.85 |
| rs11160839 | 105648963 | A | T | 0.39 | 1.01 | 0.02 | 5.8E-01 | 58.13 | <0.01 | 0.36 | I/I | 5.1E-01 | 1.01 | 5.4E-01 | 1.01 | 0.96 |
| rs79206914 | 105323424 | A | C | 0.41 | 1.01 | 0.02 | 5.8E-01 | 0 | 0.04 | 0.39 | I/I | 2.5E-01 | 1.03 | 3.9E-01 | 1.02 | 0.91 |
| rs58867885 | 105309645 | G | A | 0.08 | 1.02 | 0.04 | 5.8E-01 | 4.8 | <0.01 | 0.07 | I/I | 9.4E-01 | 1.00 | 8.5E-01 | 0.99 | 0.77 |
| rs112768215 | 105302750 | C | T | 0.05 | 1.03 | 0.06 | 5.8E-01 | 0 | <0.01 | 0.03 | I/I | 9.2E-01 | 0.99 | 9.2E-01 | 0.99 | 0.69 |
| rs192661426 | 105579870 | T | C | 0.04 | 1.04 | 0.07 | 5.8E-01 | 0 | <0.01 | 0.04 | I/I | 7.1E-01 | 1.03 | 8.6E-01 | 1.01 | 0.69 |
| rs143189615 | 104871416 | A | G | 0.01 | 0.94 | 0.12 | 5.8E-01 | 0 | <0.01 | 0.01 | I/I | 6.5E-01 | 0.95 | 6.1E-01 | 0.94 | 0.64 |
| rs11850848 | 105415608 | C | G | 0.23 | 1.02 | 0.03 | 5.8E-01 | 32.19 | <0.01 | 0.24 | I/I | 2.5E-01 | 1.04 | 3.9E-01 | 1.03 | 0.56 |
| rs2293806 | 105617891 | T | C | 0.11 | 0.98 | 0.04 | 5.8E-01 | 0 | <0.01 | 0.14 | G*/I | 7.2E-01 | 0.99 | 7.3E-01 | 0.99 | 0.87 |
| rs4072256 | 104809949 | G | T | 0.12 | 1.02 | 0.03 | 5.8E-01 | 0 | <0.01 | 0.11 | I/I | 6.9E-01 | 1.01 | 7.2E-01 | 1.01 | 0.87 |
| rs61997100 | 104767248 | G | A | 0.14 | 1.02 | 0.04 | 5.8E-01 | 0 | <0.01 | 0.15 | I/I | 5.7E-01 | 1.02 | 5.6E-01 | 1.02 | 0.72 |
| rs78669334 | 104953864 | G | C | 0.06 | 1.03 | 0.05 | 5.8E-01 | 23.77 | <0.01 | 0.02 | I/I | 5.2E-01 | 1.03 | 5.5E-01 | 1.03 | 0.85 |
| rs3809461 | 105058498 | G | A | 0.14 | 0.98 | 0.03 | 5.8E-01 | 0 | <0.01 | 0.18 | I/I | 6.2E-01 | 0.98 | 7.5E-01 | 0.99 | 0.91 |
| rs76429488 | 105026578 | T | C | 0.06 | 1.03 | 0.05 | 5.8E-01 | 52.53 | 0.01 | 0.06 | I/I | 4.5E-01 | 1.04 | 4.0E-01 | 1.04 | 0.83 |
| rs4283166 | 104888387 | T | C | 0.19 | 0.98 | 0.03 | 5.8E-01 | 2.25 | <0.01 | 0.21 | I/I | 6.2E-01 | 0.98 | 5.7E-01 | 0.98 | 0.82 |
| rs10131020 | 104744191 | A | G | 0.10 | 0.98 | 0.05 | 5.8E-01 | 0 | <0.01 | 0.12 | I/I | 5.9E-01 | 0.98 | 6.0E-01 | 0.98 | 0.70 |
| rs113987641 | 105467965 | C | G | 0.15 | 0.98 | 0.04 | 5.8E-01 | 21.91 | <0.01 | 0.12 | I/I | 9.1E-01 | 1.00 | 8.4E-01 | 1.01 | 0.57 |
| rs55972700 | 104819663 | C | T | 0.41 | 0.99 | 0.03 | 5.8E-01 | 0 | <0.01 | 0.42 | I/I | 5.9E-01 | 0.99 | 5.8E-01 | 0.99 | 0.85 |
| rs2582494 | 105378056 | A | G | 0.08 | 1.02 | 0.04 | 5.8E-01 | 0 | <0.01 | 0.08 | I/I | 9.0E-01 | 1.00 | 8.9E-01 | 0.99 | 0.99 |
| rs61998867 | 104997397 | T | C | 0.06 | 1.03 | 0.06 | 5.9E-01 | 0 | <0.01 | 0.04 | I/I | 7.8E-01 | 1.02 | 4.1E-01 | 1.05 | 0.58 |
| rs4380006 | 105377950 | T | A | 0.08 | 1.02 | 0.04 | 5.9E-01 | 0 | <0.01 | 0.08 | I/I | 9.0E-01 | 1.00 | 8.9E-01 | 0.99 | 0.99 |
| rs2582493 | 105378121 | T | C | 0.08 | 1.02 | 0.04 | 5.9E-01 | 0 | <0.01 | 0.08 | I/I | 9.0E-01 | 1.00 | 8.9E-01 | 0.99 | 0.99 |
| rs2582522 | 105379716 | C | A | 0.08 | 1.02 | 0.04 | 5.9E-01 | 0 | <0.01 | 0.08 | I/I | 9.0E-01 | 1.00 | 8.9E-01 | 0.99 | 0.99 |
| rs112356118 | 105066109 | C | G | 0.03 | 1.05 | 0.08 | 5.9E-01 | 0 | 0.08 | 0.05 | I/I | 4.9E-01 | 1.06 | 6.0E-01 | 1.04 | 0.67 |
| rs2841249 | 105368733 | A | G | 0.08 | 1.02 | 0.04 | 5.9E-01 | 0 | <0.01 | 0.08 | G/G | 9.0E-01 | 1.00 | 8.9E-01 | 0.99 | 1.00 |
| rs79623988 | 105301130 | T | C | 0.05 | 1.03 | 0.06 | 5.9E-01 | 0 | <0.01 | 0.03 | I/I | 9.0E-01 | 0.99 | 9.0E-01 | 0.99 | 0.69 |
| rs57362922 | 105366351 | C | T | 0.08 | 1.02 | 0.04 | 5.9E-01 | 0 | <0.01 | 0.08 | I/I | 9.0E-01 | 1.00 | 8.9E-01 | 0.99 | 0.99 |
| rs11160838 | 105648901 | C | T | 0.39 | 1.01 | 0.02 | 5.9E-01 | 58.69 | <0.01 | 0.36 | I/I | 5.2E-01 | 1.01 | 5.5E-01 | 1.01 | 0.96 |
| rs28728425 | 105002331 | C | A | 0.16 | 0.98 | 0.04 | 5.9E-01 | 14.47 | <0.01 | 0.14 | I/I | 5.4E-01 | 0.98 | 6.2E-01 | 0.98 | 0.66 |
| rs144144778 | 105187519 | G | A | 0.06 | 1.03 | 0.06 | 5.9E-01 | 0.93 | <0.01 | 0.04 | I/I | 8.8E-01 | 1.01 | 4.8E-01 | 1.04 | 0.50 |
| rs12433394 | 105129218 | T | C | 0.08 | 1.02 | 0.05 | 6.0E-01 | 55.81 | <0.01 | 0.09 | I/I | 3.4E-01 | 1.04 | 4.6E-01 | 1.03 | 0.80 |
| rs55664235 | 105330148 | G | C | 0.42 | 1.01 | 0.02 | 6.0E-01 | 0 | <0.01 | 0.43 | I/I | 3.4E-01 | 1.02 | 4.2E-01 | 1.02 | 0.82 |
| rs12891835 | 105026600 | G | A | 0.17 | 0.98 | 0.03 | 6.0E-01 | 0.68 | <0.01 | 0.16 | I/I | 5.9E-01 | 0.98 | 4.4E-01 | 0.98 | 0.90 |
| rs4983431 | 105035446 | T | C | 0.16 | 0.98 | 0.03 | 6.0E-01 | 0 | <0.01 | 0.18 | I/I | 6.1E-01 | 0.98 | 4.5E-01 | 0.98 | 0.90 |
| rs4633639 | 105508577 | G | A | 0.26 | 1.01 | 0.02 | 6.0E-01 | 0 | <0.01 | 0.25 | G/G | 4.8E-01 | 1.02 | 2.8E-01 | 1.03 | 1.00 |
| rs4983410 | 105026076 | G | A | 0.17 | 0.98 | 0.03 | 6.0E-01 | 0.99 | <0.01 | 0.16 | I/I | 5.9E-01 | 0.98 | 4.4E-01 | 0.98 | 0.90 |
| rs4983577 | 105554626 | G | C | 0.22 | 0.98 | 0.03 | 6.0E-01 | 79.23 | <0.01 | 0.18 | I/I | 5.4E-01 | 0.98 | 4.3E-01 | 0.98 | 0.90 |
| rs67294498 | 105513297 | C | T | 0.03 | 0.96 | 0.08 | 6.0E-01 | 0 | <0.01 | 0.02 | I/I | 5.9E-01 | 0.96 | 6.0E-01 | 0.96 | 0.73 |
| rs12890617 | 105508998 | T | G | 0.27 | 1.01 | 0.02 | 6.0E-01 | 0 | <0.01 | 0.25 | I/I | 4.8E-01 | 1.02 | 2.8E-01 | 1.03 | 1.00 |
| rs11160833 | 105557054 | G | C | 0.23 | 0.99 | 0.03 | 6.0E-01 | 80.72 | <0.01 | 0.19 | I/I | 5.5E-01 | 0.98 | 4.3E-01 | 0.98 | 0.89 |
| rs7157637 | 105036239 | A | G | 0.16 | 0.98 | 0.03 | 6.0E-01 | 0 | <0.01 | 0.18 | I/I | 6.1E-01 | 0.98 | 4.5E-01 | 0.98 | 0.91 |
| rs3809455 | 105173831 | T | G | 0.06 | 0.97 | 0.05 | 6.0E-01 | 58.41 | 0.02 | 0.04 | I/I | 3.7E-01 | 1.05 | 7.5E-01 | 1.02 | 0.59 |
| rs12892858 | 105220558 | G | A | 0.12 | 0.98 | 0.03 | 6.0E-01 | 0 | 0.03 | 0.06 | I/I | 3.0E-02 | 0.93 | 6.3E-01 | 1.02 | 0.94 |
| rs11625862 | 105644382 | A | G | 0.40 | 1.01 | 0.02 | 6.0E-01 | 54.03 | <0.01 | 0.36 | I/I | 5.3E-01 | 1.01 | 5.6E-01 | 1.01 | 0.97 |
| rs28435446 | 105128979 | T | C | 0.08 | 1.02 | 0.05 | 6.0E-01 | 55.42 | <0.01 | 0.09 | I/I | 3.5E-01 | 1.04 | 4.6E-01 | 1.03 | 0.80 |
| rs75232889 | 105310876 | T | C | 0.03 | 0.96 | 0.08 | 6.0E-01 | 0 | <0.01 | 0.04 | I/I | 6.3E-01 | 0.96 | 5.4E-01 | 0.95 | 0.45 |
| rs118005222 | 105722913 | A | G | 0.02 | 1.05 | 0.10 | 6.0E-01 | 0 | <0.01 | 0.05 | I/I | 5.9E-01 | 1.06 | 7.0E-01 | 1.04 | 0.53 |
| rs35165446 | 105223853 | C | T | 0.12 | 0.98 | 0.03 | 6.0E-01 | 0 | 0.03 | 0.06 | I/I | 3.0E-02 | 0.93 | 6.3E-01 | 1.02 | 0.94 |
| rs4359373 | 105499859 | C | G | 0.14 | 1.02 | 0.04 | 6.0E-01 | 0 | <0.01 | 0.14 | I/I | 6.9E-01 | 1.02 | 5.7E-01 | 1.02 | 0.51 |
| rs72700197 | 105357771 | T | C | 0.04 | 1.03 | 0.06 | 6.0E-01 | 0 | <0.01 | 0.05 | I/I | 7.6E-01 | 1.02 | 8.8E-01 | 1.01 | 0.95 |
| rs113605200 | 105276100 | G | A | 0.13 | 1.02 | 0.03 | 6.1E-01 | 0 | 0.01 | 0.14 | I/I | 1.7E-01 | 1.05 | 2.1E-01 | 1.04 | 0.74 |
| rs34283552 | 105558360 | G | A | 0.23 | 0.99 | 0.03 | 6.1E-01 | 79.03 | <0.01 | 0.18 | I/I | 5.6E-01 | 0.98 | 4.4E-01 | 0.98 | 0.89 |
| rs61997099 | 104766616 | A | G | 0.14 | 0.98 | 0.04 | 6.1E-01 | 0 | <0.01 | 0.15 | I/I | 6.5E-01 | 0.98 | 6.5E-01 | 0.98 | 0.83 |
| rs1595945 | 105447622 | C | T | 0.03 | 0.97 | 0.07 | 6.1E-01 | 46.1 | <0.01 | 0.02 | I/I | 5.0E-01 | 0.96 | 4.2E-01 | 0.95 | 0.83 |
| rs117591144 | 105421554 | C | G | 0.03 | 1.03 | 0.06 | 6.1E-01 | 15.92 | <0.01 | 0.03 | I/I | 6.6E-01 | 1.03 | 7.8E-01 | 1.02 | 0.90 |
| rs8005770 | 104918475 | G | C | 0.06 | 1.02 | 0.04 | 6.1E-01 | 6.96 | 0.01 | 0.02 | I/I | 5.1E-01 | 1.03 | 5.3E-01 | 1.03 | 0.90 |
| rs8006069 | 104918471 | A | G | 0.06 | 1.02 | 0.04 | 6.1E-01 | 6.98 | 0.01 | 0.02 | I/I | 5.1E-01 | 1.03 | 5.3E-01 | 1.03 | 0.90 |
| rs2582539 | 105368763 | T | C | 0.08 | 1.02 | 0.04 | 6.1E-01 | 0 | <0.01 | 0.08 | I/I | 9.3E-01 | 1.00 | 8.6E-01 | 0.99 | 1.00 |
| rs112287636 | 105433611 | C | T | 0.03 | 1.03 | 0.07 | 6.1E-01 | 4.44 | <0.01 | 0.03 | I/I | 6.9E-01 | 1.03 | 8.3E-01 | 1.01 | 0.89 |
| rs111431708 | 105433779 | A | G | 0.03 | 1.03 | 0.07 | 6.1E-01 | 4.59 | <0.01 | 0.03 | I/I | 6.9E-01 | 1.03 | 8.3E-01 | 1.01 | 0.89 |
| rs8011660 | 104919587 | G | A | 0.06 | 1.02 | 0.04 | 6.1E-01 | 30.53 | 0.01 | 0.02 | G*/I | 5.2E-01 | 1.03 | 5.4E-01 | 1.03 | 0.89 |
| rs2582540 | 105368881 | A | C | 0.08 | 1.02 | 0.04 | 6.1E-01 | 0 | <0.01 | 0.08 | I/I | 9.3E-01 | 1.00 | 8.6E-01 | 0.99 | 1.00 |
| rs11625219 | 105574224 | C | A | 0.42 | 1.01 | 0.03 | 6.1E-01 | 0 | <0.01 | 0.42 | I/I | 7.8E-01 | 1.01 | 5.8E-01 | 1.01 | 0.76 |
| rs12434777 | 105610431 | G | T | 0.36 | 1.01 | 0.02 | 6.1E-01 | 56.48 | <0.01 | 0.32 | I/I | 5.2E-01 | 1.01 | 6.1E-01 | 1.01 | 0.95 |
| rs9788595 | 105351079 | G | C | 0.13 | 0.98 | 0.04 | 6.1E-01 | 0 | <0.01 | 0.18 | I/I | 6.2E-01 | 0.98 | 6.7E-01 | 0.98 | 0.52 |
| rs12894569 | 105207040 | T | C | 0.12 | 0.98 | 0.03 | 6.1E-01 | 0 | 0.03 | 0.07 | I/I | 3.5E-02 | 0.93 | 6.2E-01 | 1.02 | 0.96 |
| rs8014918 | 105091506 | T | C | 0.13 | 0.98 | 0.03 | 6.1E-01 | 16.72 | <0.01 | 0.14 | I/I | 4.7E-01 | 0.98 | 5.7E-01 | 0.98 | 0.79 |
| rs4075323 | 105020095 | G | C | 0.15 | 0.98 | 0.03 | 6.1E-01 | 0 | <0.01 | 0.18 | I/I | 6.0E-01 | 0.98 | 4.3E-01 | 0.97 | 0.85 |
| rs35550015 | 105223495 | C | G | 0.12 | 0.98 | 0.03 | 6.1E-01 | 0 | 0.03 | 0.06 | I/I | 3.1E-02 | 0.93 | 6.2E-01 | 1.02 | 0.94 |
| rs74861272 | 104918308 | G | T | 0.02 | 1.05 | 0.10 | 6.1E-01 | 0 | <0.01 | 0.03 | I/I | 6.5E-01 | 1.05 | 6.6E-01 | 1.05 | 0.75 |
| rs2841255 | 105371309 | T | C | 0.08 | 1.02 | 0.04 | 6.1E-01 | 0 | <0.01 | 0.08 | I/I | 9.3E-01 | 1.00 | 8.6E-01 | 0.99 | 1.00 |
| rs28507793 | 104928924 | A | T | 0.03 | 0.96 | 0.08 | 6.1E-01 | 0 | <0.01 | 0.03 | I/I | 5.3E-01 | 0.95 | 5.2E-01 | 0.95 | 0.62 |
| rs61998863 | 104994361 | T | G | 0.49 | 1.01 | 0.03 | 6.1E-01 | 48.57 | <0.01 | 0.48 | I/I | 7.6E-01 | 1.01 | 5.3E-01 | 1.02 | 0.83 |
| rs78939605 | 104908180 | T | C | 0.20 | 0.99 | 0.03 | 6.1E-01 | 0 | <0.01 | 0.28 | I/I | 6.7E-01 | 0.99 | 6.2E-01 | 0.99 | 0.92 |
| rs2841253 | 105369905 | C | T | 0.08 | 1.02 | 0.04 | 6.1E-01 | 0 | <0.01 | 0.08 | G*/I | 9.3E-01 | 1.00 | 8.6E-01 | 0.99 | 1.00 |
| rs10139201 | 105610115 | C | T | 0.36 | 1.01 | 0.02 | 6.1E-01 | 56.55 | <0.01 | 0.32 | I/I | 5.3E-01 | 1.01 | 6.1E-01 | 1.01 | 0.95 |
| rs80226352 | 105567785 | T | C | 0.13 | 1.02 | 0.04 | 6.1E-01 | 2.13 | 0.01 | 0.13 | I/I | 2.9E-01 | 1.04 | 2.4E-01 | 1.05 | 0.59 |
| rs188897348 | 104841708 | T | C | 0.04 | 0.97 | 0.07 | 6.1E-01 | 0 | <0.01 | 0.02 | I/I | 6.6E-01 | 0.97 | 6.2E-01 | 0.97 | 0.67 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs28497781 | 104940181 | C | G | 0.06 | 1.02 | 0.04 | 6.1E-01 | 13.47 | 0.01 | 0.02 | I/I | 5.2E-01 | 1.03 | 5.3E-01 | 1.03 | 0.88 |
| rs10139080 | 104988732 | C | G | 0.48 | 1.01 | 0.03 | 6.1E-01 | 49.91 | <0.01 | 0.47 | I/I | 7.2E-01 | 1.01 | 5.8E-01 | 1.01 | 0.86 |
| rs34448993 | 105680769 | C | A | 0.34 | 1.01 | 0.02 | 6.1E-01 | 0 | <0.01 | 0.38 | I/I | 7.0E-01 | 1.01 | 7.2E-01 | 1.01 | 0.85 |
| rs2816639 | 105607205 | C | T | 0.11 | 1.02 | 0.04 | 6.1E-01 | 0 | <0.01 | 0.09 | I/I | 6.3E-01 | 1.02 | 5.1E-01 | 1.02 | 0.89 |
| rs2841250 | 105368868 | A | G | 0.08 | 1.02 | 0.04 | 6.1E-01 | 0 | <0.01 | 0.08 | I/I | 9.4E-01 | 1.00 | 8.6E-01 | 0.99 | 1.00 |
| rs11850227 | 105375295 | A | G | 0.08 | 1.02 | 0.04 | 6.1E-01 | 0 | <0.01 | 0.08 | I/I | 9.3E-01 | 1.00 | 8.6E-01 | 0.99 | 0.99 |
| rs2735802 | 105597476 | G | A | 0.12 | 1.02 | 0.03 | 6.2E-01 | 0 | <0.01 | 0.12 | I/I | 7.3E-01 | 1.01 | 5.9E-01 | 1.02 | 0.92 |
| rs74089858 | 105629046 | C | T | 0.13 | 0.98 | 0.04 | 6.2E-01 | 65.1 | <0.01 | 0.10 | I/I | 5.3E-01 | 0.97 | 6.1E-01 | 0.98 | 0.69 |
| rs73350395 | 105299174 | A | G | 0.05 | 1.03 | 0.06 | 6.2E-01 | 0 | <0.01 | 0.03 | I/I | 8.7E-01 | 0.99 | 8.7E-01 | 0.99 | 0.69 |
| rs147014778 | 104938934 | T | G | 0.02 | 1.07 | 0.13 | 6.2E-01 | 0.96 | <0.01 | 0.01 | I/I | 6.5E-01 | 1.06 | 5.6E-01 | 1.08 | 0.43 |
| rs12878336 | 105050966 | T | C | 0.10 | 1.02 | 0.04 | 6.2E-01 | 10.13 | <0.01 | 0.12 | I/I | 8.3E-01 | 1.01 | 8.9E-01 | 1.01 | 0.85 |
| rs60332569 | 105298970 | T | C | 0.05 | 1.03 | 0.06 | 6.2E-01 | 0 | <0.01 | 0.03 | I/I | 8.7E-01 | 0.99 | 8.7E-01 | 0.99 | 0.69 |
| rs57147900 | 105423476 | T | C | 0.03 | 1.03 | 0.06 | 6.2E-01 | 16.98 | <0.01 | 0.03 | I/I | 6.7E-01 | 1.03 | 8.0E-01 | 1.02 | 0.90 |
| rs58365272 | 105423450 | G | T | 0.03 | 1.03 | 0.06 | 6.2E-01 | 16.97 | <0.01 | 0.03 | I/I | 6.7E-01 | 1.03 | 8.0E-01 | 1.02 | 0.90 |
| rs12894325 | 105028944 | C | G | 0.14 | 0.98 | 0.03 | 6.2E-01 | 0 | <0.01 | 0.16 | I/I | 6.6E-01 | 0.99 | 4.9E-01 | 0.98 | 0.89 |
| rs4983432 | 105035484 | C | T | 0.31 | 1.01 | 0.02 | 6.2E-01 | 0 | <0.01 | 0.31 | I/I | 6.8E-01 | 1.01 | 7.6E-01 | 1.01 | 0.91 |
| rs73350392 | 105297331 | C | G | 0.05 | 1.03 | 0.06 | 6.2E-01 | 0 | <0.01 | 0.03 | I/I | 8.7E-01 | 0.99 | 8.7E-01 | 0.99 | 0.69 |
| rs73350393 | 105297741 | C | G | 0.05 | 1.03 | 0.06 | 6.2E-01 | 0 | <0.01 | 0.03 | I/I | 8.6E-01 | 0.99 | 8.7E-01 | 0.99 | 0.69 |
| rs10149727 | 104986678 | A | G | 0.48 | 1.01 | 0.03 | 6.2E-01 | 50.17 | <0.01 | 0.49 | I/I | 7.3E-01 | 1.01 | 5.9E-01 | 1.01 | 0.86 |
| rs12885343 | 105201635 | G | C | 0.12 | 0.98 | 0.03 | 6.2E-01 | 0 | 0.03 | 0.07 | I/I | 3.5E-02 | 0.93 | 6.1E-01 | 1.02 | 0.96 |
| rs10136831 | 104749671 | C | T | 0.41 | 1.01 | 0.03 | 6.2E-01 | 0 | <0.01 | 0.44 | I/I | 5.8E-01 | 1.02 | 6.6E-01 | 1.01 | 0.68 |
| rs73363311 | 105088545 | A | C | 0.03 | 1.04 | 0.08 | 6.2E-01 | 31.87 | <0.01 | 0.04 | I/I | 6.2E-01 | 1.04 | 6.7E-01 | 1.03 | 0.72 |
| rs113769274 | 105296393 | A | C | 0.05 | 1.03 | 0.06 | 6.2E-01 | 0 | <0.01 | 0.03 | I/I | 8.6E-01 | 0.99 | 8.7E-01 | 0.99 | 0.68 |
| rs79333620 | 105428714 | G | A | 0.03 | 1.03 | 0.06 | 6.2E-01 | 20.5 | <0.01 | 0.03 | I/I | 6.8E-01 | 1.03 | 8.0E-01 | 1.02 | 0.90 |
| rs55639933 | 105123940 | A | G | 0.08 | 1.02 | 0.05 | 6.2E-01 | 53.5 | <0.01 | 0.09 | I/I | 3.6E-01 | 1.04 | 4.8E-01 | 1.03 | 0.80 |
| rs8003900 | 104747573 | A | G | 0.39 | 1.01 | 0.03 | 6.2E-01 | 0 | <0.01 | 0.42 | I/I | 5.8E-01 | 1.02 | 6.5E-01 | 1.01 | 0.73 |
| rs142521279 | 105428813 | G | A | 0.03 | 1.03 | 0.06 | 6.2E-01 | 20.51 | <0.01 | 0.03 | I/I | 6.8E-01 | 1.03 | 8.0E-01 | 1.02 | 0.90 |
| rs12879749 | 105649390 | T | G | 0.03 | 0.96 | 0.08 | 6.2E-01 | 55.64 | <0.01 | 0.02 | I/I | 7.1E-01 | 0.97 | 7.0E-01 | 0.97 | 0.61 |
| rs2816657 | 105595037 | C | A | 0.35 | 1.01 | 0.03 | 6.2E-01 | 0 | <0.01 | 0.38 | I/I | 6.5E-01 | 1.01 | 4.6E-01 | 1.02 | 0.88 |
| rs77347348 | 105426645 | G | A | 0.03 | 1.03 | 0.06 | 6.2E-01 | 17.73 | <0.01 | 0.03 | I/I | 6.8E-01 | 1.03 | 8.0E-01 | 1.02 | 0.90 |
| rs2816667 | 105600995 | A | G | 0.12 | 1.02 | 0.03 | 6.2E-01 | 0 | <0.01 | 0.12 | I/I | 7.4E-01 | 1.01 | 5.9E-01 | 1.02 | 0.91 |
| rs184755905 | 105616349 | G | T | 0.14 | 0.98 | 0.04 | 6.2E-01 | 0 | <0.01 | 0.16 | I/I | 4.8E-01 | 0.97 | 6.0E-01 | 0.98 | 0.56 |
| rs77677417 | 105473072 | G | T | 0.03 | 1.03 | 0.06 | 6.3E-01 | 34.72 | <0.01 | 0.02 | I/I | 7.5E-01 | 1.02 | 8.6E-01 | 1.01 | 0.93 |
| rs2894636 | 105417765 | C | A | 0.06 | 0.97 | 0.05 | 6.3E-01 | 48.48 | <0.01 | 0.06 | I/I | 5.3E-01 | 0.97 | 4.0E-01 | 0.95 | 0.70 |
| rs75836410 | 105442910 | A | G | 0.04 | 1.03 | 0.06 | 6.3E-01 | 0 | <0.01 | 0.04 | I/I | 9.2E-01 | 1.01 | 8.9E-01 | 0.99 | 0.86 |
| rs4247025 | 105035098 | C | T | 0.16 | 0.98 | 0.03 | 6.3E-01 | 0 | <0.01 | 0.18 | I/I | 6.4E-01 | 0.99 | 4.8E-01 | 0.98 | 0.90 |
| rs1595949 | 105374213 | C | T | 0.08 | 1.02 | 0.04 | 6.3E-01 | 0 | <0.01 | 0.08 | G*/I | 9.5E-01 | 1.00 | 8.4E-01 | 0.99 | 1.00 |
| rs3809460 | 105058609 | C | T | 0.14 | 0.98 | 0.03 | 6.3E-01 | 0 | 0.01 | 0.16 | I/I | 6.6E-01 | 0.99 | 8.1E-01 | 0.99 | 0.92 |
| rs72713847 | 105105804 | T | C | 0.07 | 1.03 | 0.05 | 6.3E-01 | 27.63 | <0.01 | 0.04 | I/I | 9.6E-01 | 1.00 | 3.6E-01 | 1.05 | 0.71 |
| rs111512781 | 105433422 | C | T | 0.03 | 1.03 | 0.07 | 6.3E-01 | 0.49 | <0.01 | 0.03 | I/I | 7.1E-01 | 1.02 | 8.5E-01 | 1.01 | 0.89 |
| rs1595950 | 105374260 | C | T | 0.08 | 1.02 | 0.04 | 6.3E-01 | 0 | <0.01 | 0.08 | G*/I | 9.5E-01 | 1.00 | 8.4E-01 | 0.99 | 1.00 |
| rs1595948 | 105374049 | G | C | 0.08 | 1.02 | 0.04 | 6.3E-01 | 0 | <0.01 | 0.08 | G*/I | 9.5E-01 | 1.00 | 8.4E-01 | 0.99 | 1.00 |
| rs28645503 | 104940506 | A | C | 0.06 | 1.02 | 0.05 | 6.3E-01 | 17.67 | 0.01 | 0.02 | I/I | 5.3E-01 | 1.03 | 5.5E-01 | 1.03 | 0.88 |
| rs11851065 | 105375579 | G | A | 0.08 | 1.02 | 0.04 | 6.3E-01 | 0 | <0.01 | 0.08 | I/I | 9.5E-01 | 1.00 | 8.4E-01 | 0.99 | 1.00 |
| rs7156604 | 105376212 | G | A | 0.08 | 1.02 | 0.04 | 6.3E-01 | 0 | <0.01 | 0.08 | I/I | 9.5E-01 | 1.00 | 8.4E-01 | 0.99 | 0.99 |
| rs59862477 | 105031290 | G | A | 0.14 | 0.98 | 0.03 | 6.3E-01 | 0 | <0.01 | 0.16 | I/I | 6.7E-01 | 0.99 | 5.0E-01 | 0.98 | 0.88 |
| rs2119393 | 105377099 | A | G | 0.08 | 1.02 | 0.04 | 6.3E-01 | 0 | <0.01 | 0.08 | I/I | 9.5E-01 | 1.00 | 8.4E-01 | 0.99 | 0.99 |
| rs12434042 | 105679131 | A | G | 0.10 | 0.98 | 0.04 | 6.3E-01 | 20.12 | <0.01 | 0.10 | I/I | 7.0E-01 | 0.98 | 6.8E-01 | 0.98 | 0.86 |
| rs72713855 | 105120783 | G | A | 0.29 | 1.01 | 0.03 | 6.3E-01 | 45.6 | 0.01 | 0.32 | I/I | 8.2E-01 | 1.01 | 9.4E-01 | 1.00 | 0.82 |
| rs12878589 | 105050924 | A | G | 0.10 | 1.02 | 0.04 | 6.3E-01 | 30.01 | <0.01 | 0.12 | I/I | 8.5E-01 | 1.01 | 8.9E-01 | 1.01 | 0.84 |
| rs4255721 | 104772276 | G | A | 0.48 | 0.99 | 0.03 | 6.3E-01 | 0 | <0.01 | 0.48 | I/I | 6.5E-01 | 0.99 | 6.8E-01 | 0.99 | 0.84 |
| rs59346268 | 105166252 | T | C | 0.10 | 1.02 | 0.04 | 6.3E-01 | 0 | 0.04 | 0.06 | I/I | 5.7E-01 | 0.98 | 2.5E-01 | 0.95 | 0.91 |
| rs112198348 | 105427770 | A | G | 0.04 | 1.03 | 0.07 | 6.3E-01 | 0 | 0.04 | 0.05 | I/I | 6.8E-01 | 1.03 | 8.0E-01 | 1.02 | 0.74 |
| rs72713854 | 105120669 | T | G | 0.29 | 1.01 | 0.03 | 6.3E-01 | 45.63 | 0.01 | 0.32 | I/I | 8.3E-01 | 1.01 | 9.4E-01 | 1.00 | 0.82 |
| rs4983420 | 105029230 | C | T | 0.17 | 0.99 | 0.03 | 6.3E-01 | 0 | <0.01 | 0.17 | I/I | 6.4E-01 | 0.99 | 4.8E-01 | 0.98 | 0.90 |
| rs12885092 | 105291917 | G | A | 0.07 | 0.97 | 0.06 | 6.3E-01 | 36.67 | <0.01 | 0.04 | I/I | 7.2E-01 | 0.98 | 5.0E-01 | 0.96 | 0.51 |
| rs4983545 | 105214471 | C | T | 0.12 | 0.99 | 0.03 | 6.3E-01 | 0 | 0.03 | 0.07 | I/I | 3.8E-02 | 0.93 | 5.9E-01 | 1.02 | 0.95 |
| rs184390485 | 105400046 | G | A | 0.10 | 1.02 | 0.05 | 6.3E-01 | 16.44 | <0.01 | 0.12 | I/I | 5.9E-01 | 1.03 | 7.3E-01 | 1.02 | 0.54 |
| rs3784225 | 105681667 | G | A | 0.40 | 1.01 | 0.02 | 6.4E-01 | 0 | <0.01 | 0.43 | I/I | 6.5E-01 | 1.01 | 6.8E-01 | 1.01 | 0.96 |
| rs3784231 | 105678906 | T | A | 0.38 | 1.01 | 0.02 | 6.4E-01 | 0 | <0.01 | 0.40 | I/I | 6.6E-01 | 1.01 | 7.0E-01 | 1.01 | 0.96 |
| rs60629623 | 105030588 | A | G | 0.13 | 0.98 | 0.03 | 6.4E-01 | 0 | <0.01 | 0.16 | I/I | 6.7E-01 | 0.99 | 5.0E-01 | 0.98 | 0.89 |
| rs4494478 | 105028823 | C | G | 0.17 | 0.99 | 0.03 | 6.4E-01 | 0 | <0.01 | 0.17 | I/I | 6.4E-01 | 0.99 | 4.8E-01 | 0.98 | 0.90 |
| rs2072675 | 105623498 | T | C | 0.36 | 1.01 | 0.02 | 6.4E-01 | 59.26 | <0.01 | 0.33 | I/G | 5.5E-01 | 1.01 | 6.0E-01 | 1.01 | 1.00 |
| rs12881199 | 105218422 | T | C | 0.12 | 0.99 | 0.03 | 6.4E-01 | 0 | 0.03 | 0.07 | I/I | 3.7E-02 | 0.93 | 5.9E-01 | 1.02 | 0.95 |
| rs4983421 | 105029266 | C | T | 0.17 | 0.99 | 0.03 | 6.4E-01 | 0 | <0.01 | 0.17 | I/I | 6.4E-01 | 0.99 | 4.8E-01 | 0.98 | 0.90 |
| rs7152988 | 104895028 | C | G | 0.21 | 0.99 | 0.03 | 6.4E-01 | 0 | <0.01 | 0.24 | I/I | 6.4E-01 | 0.99 | 6.0E-01 | 0.98 | 0.81 |
| rs71421298 | 104791736 | A | C | 0.05 | 0.97 | 0.07 | 6.4E-01 | 0 | <0.01 | 0.05 | I/I | 6.4E-01 | 0.97 | 6.3E-01 | 0.97 | 0.58 |
| rs34024274 | 105047280 | T | C | 0.10 | 1.02 | 0.04 | 6.4E-01 | 14.49 | <0.01 | 0.12 | I/I | 8.7E-01 | 1.01 | 9.3E-01 | 1.00 | 0.88 |
| rs61489465 | 104999497 | C | T | 0.48 | 1.01 | 0.03 | 6.4E-01 | 47.49 | <0.01 | 0.49 | I/I | 8.1E-01 | 1.01 | 5.6E-01 | 1.02 | 0.81 |
| rs72705782 | 105576363 | A | G | 0.11 | 0.98 | 0.04 | 6.4E-01 | 0 | <0.01 | 0.14 | I/I | 5.1E-01 | 0.97 | 6.0E-01 | 0.98 | 0.80 |
| rs4983383 | 105200006 | A | G | 0.07 | 0.98 | 0.04 | 6.4E-01 | 0 | 0.01 | 0.04 | I/I | 7.1E-02 | 0.92 | 7.9E-01 | 1.01 | 0.76 |
| rs2841262 | 105373360 | G | T | 0.08 | 1.02 | 0.04 | 6.4E-01 | 0 | <0.01 | 0.08 | I/I | 9.7E-01 | 1.00 | 8.3E-01 | 0.99 | 1.00 |
| rs3809457 | 105058810 | T | G | 0.14 | 0.98 | 0.03 | 6.4E-01 | 0 | 0.01 | 0.16 | G*/I | 6.7E-01 | 0.99 | 8.2E-01 | 0.99 | 0.92 |
| rs2819425 | 105411260 | G | A | 0.02 | 1.05 | 0.10 | 6.4E-01 | 0 | 0.01 | 0.02 | I/I | 8.5E-01 | 1.02 | 9.6E-01 | 1.01 | 0.44 |
| rs28407239 | 105098625 | T | C | 0.12 | 1.02 | 0.04 | 6.4E-01 | 44.68 | <0.01 | 0.15 | I/I | 4.3E-01 | 1.03 | 5.4E-01 | 1.02 | 0.84 |
| rs2735803 | 105597238 | T | C | 0.12 | 1.02 | 0.03 | 6.4E-01 | 0 | <0.01 | 0.12 | I/I | 7.7E-01 | 1.01 | 6.2E-01 | 1.02 | 0.91 |
| rs2816664 | 105597247 | A | G | 0.12 | 1.02 | 0.03 | 6.4E-01 | 0 | <0.01 | 0.12 | I/I | 7.7E-01 | 1.01 | 6.2E-01 | 1.02 | 0.91 |
| rs4983579 | 105555396 | A | G | 0.22 | 0.99 | 0.03 | 6.4E-01 | 79.99 | <0.01 | 0.18 | G*/I | 5.9E-01 | 0.98 | 4.7E-01 | 0.98 | 0.91 |
| rs28497233 | 104753518 | A | G | 0.40 | 1.01 | 0.03 | 6.4E-01 | 0 | <0.01 | 0.43 | I/I | 5.9E-01 | 1.02 | 6.8E-01 | 1.01 | 0.65 |
| rs12436388 | 105509267 | C | G | 0.27 | 1.01 | 0.02 | 6.4E-01 | 0 | <0.01 | 0.25 | I/I | 5.2E-01 | 1.02 | 3.0E-01 | 1.02 | 0.99 |
| rs112843168 | 105717984 | G | A | 0.02 | 1.05 | 0.10 | 6.4E-01 | 37.75 | 0.01 | 0.02 | I/I | 5.1E-01 | 1.07 | 5.3E-01 | 1.06 | 0.56 |
| rs117929428 | 105439031 | A | G | 0.03 | 1.03 | 0.07 | 6.4E-01 | 10.5 | <0.01 | 0.03 | I/I | 7.3E-01 | 1.02 | 8.6E-01 | 1.01 | 0.90 |
| rs4983429 | 105033605 | G | A | 0.14 | 0.98 | 0.03 | 6.4E-01 | 0 | <0.01 | 0.16 | I/I | 6.7E-01 | 0.99 | 5.0E-01 | 0.98 | 0.88 |
| rs11160813 | 105091102 | A | G | 0.13 | 0.99 | 0.03 | 6.4E-01 | 15.06 | <0.01 | 0.14 | I/I | 5.0E-01 | 0.98 | 6.0E-01 | 0.98 | 0.81 |
| rs3742938 | 105359305 | A | G | 0.03 | 1.03 | 0.06 | 6.4E-01 | 0 | <0.01 | 0.05 | I/I | 8.0E-01 | 1.01 | 9.2E-01 | 1.01 | 0.94 |
| rs4264325 | 104979486 | C | T | 0.05 | 1.02 | 0.05 | 6.4E-01 | 22.49 | <0.01 | 0.04 | G/G | 8.3E-01 | 1.01 | 7.4E-01 | 1.02 | 1.00 |
| rs12590185 | 105032318 | G | A | 0.17 | 0.99 | 0.03 | 6.4E-01 | 0 | <0.01 | 0.17 | I/I | 6.5E-01 | 0.99 | 4.9E-01 | 0.98 | 0.90 |
| rs75990527 | 105375794 | A | T | 0.08 | 1.02 | 0.04 | 6.4E-01 | 0 | <0.01 | 0.08 | I/I | 9.7E-01 | 1.00 | 8.3E-01 | 0.99 | 0.99 |
| rs72713852 | 105112669 | T | C | 0.32 | 1.01 | 0.03 | 6.5E-01 | 39.26 | 0.04 | 0.37 | I/I | 8.8E-01 | 1.00 | 8.7E-01 | 1.00 | 0.84 |
| rs4983592 | 105691266 | A | T | 0.10 | 0.98 | 0.04 | 6.5E-01 | 41.1 | <0.01 | 0.10 | I/I | 7.3E-01 | 0.98 | 6.9E-01 | 0.98 | 0.80 |
| rs72713850 | 105112448 | A | G | 0.32 | 1.01 | 0.03 | 6.5E-01 | 39.24 | 0.04 | 0.37 | I/I | 8.8E-01 | 1.00 | 8.7E-01 | 1.00 | 0.84 |
| rs8003169 | 104747384 | G | A | 0.16 | 1.02 | 0.04 | 6.5E-01 | 31.37 | <0.01 | 0.18 | G*/I | 5.6E-01 | 1.02 | 6.1E-01 | 1.02 | 0.86 |
| rs12885496 | 105201613 | T | G | 0.12 | 0.99 | 0.03 | 6.5E-01 | 0 | 0.03 | 0.07 | I/I | 3.9E-02 | 0.93 | 5.8E-01 | 1.02 | 0.96 |
| rs75980785 | 105615021 | A | G | 0.03 | 1.03 | 0.07 | 6.5E-01 | 0 | <0.01 | 0.04 | I/I | 4.7E-01 | 1.05 | 4.9E-01 | 1.05 | 0.78 |
| rs7144467 | 105042462 | G | A | 0.12 | 1.02 | 0.04 | 6.5E-01 | 0 | <0.01 | 0.12 | I/I | 9.0E-01 | 1.00 | 9.7E-01 | 1.00 | 0.89 |
| rs56385415 | 105111672 | T | C | 0.32 | 1.01 | 0.03 | 6.5E-01 | 39.21 | 0.04 | 0.37 | I/I | 8.8E-01 | 1.00 | 8.7E-01 | 1.00 | 0.84 |
| rs4983610 | 105019731 | A | G | 0.12 | 1.02 | 0.04 | 6.5E-01 | 49.28 | <0.01 | 0.10 | I/I | 7.5E-01 | 1.01 | 8.7E-01 | 1.01 | 0.86 |
| rs7147827 | 104750388 | G | A | 0.41 | 1.01 | 0.03 | 6.5E-01 | 0 | <0.01 | 0.44 | I/I | 6.1E-01 | 1.01 | 6.9E-01 | 1.01 | 0.67 |
| rs4983428 | 105033602 | C | G | 0.14 | 0.98 | 0.03 | 6.5E-01 | 0 | <0.01 | 0.16 | I/I | 6.8E-01 | 0.99 | 5.1E-01 | 0.98 | 0.88 |
| rs59196264 | 105095217 | A | G | 0.01 | 1.06 | 0.13 | 6.5E-01 | 0 | 0.01 | 0.02 | I/I | 7.0E-01 | 1.05 | 5.9E-01 | 1.07 | 0.57 |
| rs11625416 | 104893652 | A | C | 0.05 | 1.03 | 0.06 | 6.5E-01 | 0 | <0.01 | 0.04 | I/I | 6.8E-01 | 1.03 | 6.8E-01 | 1.03 | 0.66 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs73357552 | 105013840 | T | C | 0.19 | 1.01 | 0.03 | 6.5E-01 | 1.02 | <0.01 | 0.19 | I/I | 6.8E-01 | 1.01 | 6.9E-01 | 1.01 | 0.91 |
| rs78333034 | 105549187 | T | C | 0.06 | 0.98 | 0.05 | 6.5E-01 | 71.43 | <0.01 | 0.05 | I/I | 7.3E-01 | 0.98 | 7.1E-01 | 0.98 | 0.86 |
| rs11160818 | 105189222 | G | A | 0.14 | 0.99 | 0.03 | 6.5E-01 | 0 | 0.13 | 0.18 | I/I | 8.8E-01 | 1.00 | 4.0E-01 | 1.03 | 0.94 |
| rs2272591 | 105611282 | G | A | 0.36 | 1.01 | 0.02 | 6.5E-01 | 57.33 | <0.01 | 0.32 | I/I | 5.6E-01 | 1.01 | 6.5E-01 | 1.01 | 0.95 |
| rs35455320 | 105205481 | G | C | 0.12 | 0.99 | 0.03 | 6.5E-01 | 0 | 0.03 | 0.07 | I/I | 4.1E-02 | 0.94 | 5.8E-01 | 1.02 | 0.94 |
| rs72700175 | 105346449 | T | C | 0.03 | 1.03 | 0.06 | 6.5E-01 | 0 | <0.01 | 0.05 | I/I | 8.2E-01 | 1.01 | 9.2E-01 | 1.01 | 0.94 |
| rs5009021 | 105499890 | C | G | 0.24 | 1.02 | 0.03 | 6.5E-01 | 0 | <0.01 | 0.25 | I/I | 4.1E-01 | 1.03 | 2.8E-01 | 1.04 | 0.52 |
| rs10136434 | 105091348 | C | T | 0.13 | 0.99 | 0.03 | 6.5E-01 | 16.3 | <0.01 | 0.14 | I/I | 5.0E-01 | 0.98 | 6.1E-01 | 0.98 | 0.80 |
| rs7156199 | 105300107 | G | A | 0.04 | 0.97 | 0.08 | 6.6E-01 | 64.84 | <0.01 | 0.05 | I/I | 9.3E-01 | 1.01 | 8.3E-01 | 0.98 | 0.53 |
| rs45452103 | 105716377 | T | C | 0.02 | 1.05 | 0.10 | 6.6E-01 | 37.12 | 0.01 | 0.02 | I/I | 5.2E-01 | 1.07 | 5.5E-01 | 1.06 | 0.56 |
| rs10132112 | 105051455 | G | C | 0.11 | 1.02 | 0.04 | 6.6E-01 | 0 | <0.01 | 0.12 | I/I | 8.9E-01 | 1.01 | 9.6E-01 | 1.00 | 0.85 |
| rs71421301 | 105009213 | G | A | 0.05 | 0.97 | 0.07 | 6.6E-01 | 0 | <0.01 | 0.05 | I/I | 8.8E-01 | 0.99 | 9.9E-01 | 1.00 | 0.48 |
| rs7140668 | 105036463 | C | G | 0.17 | 0.99 | 0.03 | 6.6E-01 | 0 | <0.01 | 0.18 | I/I | 6.7E-01 | 0.99 | 5.0E-01 | 0.98 | 0.91 |
| rs4983438 | 105037467 | A | T | 0.17 | 0.99 | 0.03 | 6.6E-01 | 0 | <0.01 | 0.18 | I/I | 6.7E-01 | 0.99 | 5.0E-01 | 0.98 | 0.91 |
| rs72700202 | 105361424 | A | G | 0.03 | 1.03 | 0.06 | 6.6E-01 | 0 | <0.01 | 0.05 | I/I | 8.2E-01 | 1.01 | 9.3E-01 | 1.01 | 0.94 |
| rs72713804 | 105032048 | C | G | 0.13 | 0.98 | 0.03 | 6.6E-01 | 0 | <0.01 | 0.16 | I/I | 6.9E-01 | 0.99 | 5.2E-01 | 0.98 | 0.88 |
| rs34407486 | 105037344 | A | G | 0.17 | 0.99 | 0.03 | 6.6E-01 | 0 | <0.01 | 0.18 | I/I | 6.7E-01 | 0.99 | 5.0E-01 | 0.98 | 0.91 |
| rs72707615 | 105616558 | T | C | 0.13 | 0.98 | 0.04 | 6.6E-01 | 0 | <0.01 | 0.16 | I/I | 7.5E-01 | 0.99 | 7.2E-01 | 0.99 | 0.86 |
| rs10147203 | 105091346 | G | C | 0.26 | 0.99 | 0.02 | 6.6E-01 | 0 | <0.01 | 0.26 | I/I | 4.5E-01 | 0.98 | 6.0E-01 | 0.99 | 0.81 |
| rs8012919 | 105314982 | G | A | 0.03 | 1.03 | 0.06 | 6.6E-01 | 0 | <0.01 | 0.05 | I/I | 8.5E-01 | 1.01 | 9.7E-01 | 1.00 | 0.85 |
| rs148957187 | 105320853 | T | C | 0.48 | 1.01 | 0.02 | 6.6E-01 | 0 | 0.06 | 0.48 | I/I | 3.3E-01 | 1.02 | 3.2E-01 | 1.02 | 0.77 |
| rs35590716 | 105195321 | A | G | 0.12 | 0.99 | 0.03 | 6.6E-01 | 0 | 0.03 | 0.07 | I/I | 4.3E-02 | 0.93 | 5.7E-01 | 1.02 | 0.95 |
| rs72700187 | 105348770 | G | A | 0.03 | 1.03 | 0.06 | 6.6E-01 | 0 | <0.01 | 0.05 | I/I | 8.3E-01 | 1.01 | 9.3E-01 | 1.01 | 0.95 |
| rs8015164 | 105091444 | A | G | 0.13 | 0.99 | 0.03 | 6.6E-01 | 17.95 | <0.01 | 0.14 | I/I | 5.1E-01 | 0.98 | 6.1E-01 | 0.98 | 0.80 |
| rs4983547 | 105215941 | A | G | 0.12 | 0.99 | 0.03 | 6.6E-01 | 0 | 0.03 | 0.07 | I/I | 4.0E-02 | 0.93 | 5.6E-01 | 1.02 | 0.95 |
| rs77279035 | 104760684 | A | G | 0.06 | 0.98 | 0.05 | 6.6E-01 | 0 | <0.01 | 0.06 | I/I | 6.9E-01 | 0.98 | 6.6E-01 | 0.98 | 0.78 |
| rs72700184 | 105348271 | T | C | 0.03 | 1.03 | 0.06 | 6.6E-01 | 0 | <0.01 | 0.05 | I/I | 8.3E-01 | 1.01 | 9.3E-01 | 1.00 | 0.95 |
| rs189204199 | 105400222 | T | C | 0.09 | 0.98 | 0.05 | 6.6E-01 | 47.04 | <0.01 | 0.09 | I/I | 4.4E-01 | 0.96 | 5.3E-01 | 0.97 | 0.59 |
| rs71421880 | 105206172 | A | T | 0.12 | 0.99 | 0.03 | 6.6E-01 | 0 | 0.03 | 0.06 | I/I | 3.8E-02 | 0.93 | 5.6E-01 | 1.02 | 0.95 |
| rs4983594 | 105694870 | A | G | 0.13 | 1.02 | 0.04 | 6.6E-01 | 26.46 | <0.01 | 0.12 | I/I | 6.0E-01 | 1.02 | 4.9E-01 | 1.03 | 0.67 |
| rs12882082 | 105160979 | A | G | 0.18 | 0.99 | 0.03 | 6.6E-01 | 0 | 0.06 | 0.21 | I/I | 7.1E-01 | 0.99 | 4.7E-01 | 1.02 | 0.77 |
| rs77294420 | 105127012 | T | C | 0.26 | 1.01 | 0.03 | 6.7E-01 | 35.65 | <0.01 | 0.31 | I/I | 7.5E-01 | 1.01 | 9.5E-01 | 1.00 | 0.82 |
| rs4983430 | 105033619 | A | G | 0.14 | 0.99 | 0.03 | 6.7E-01 | 0 | <0.01 | 0.16 | I/I | 7.0E-01 | 0.99 | 5.2E-01 | 0.98 | 0.88 |
| rs10138223 | 105088984 | T | G | 0.27 | 0.99 | 0.02 | 6.7E-01 | 0 | <0.01 | 0.25 | I/I | 4.4E-01 | 0.98 | 5.6E-01 | 0.99 | 0.87 |
| rs10431751 | 104761950 | T | C | 0.13 | 0.98 | 0.04 | 6.7E-01 | 0 | <0.01 | 0.14 | I/I | 7.2E-01 | 0.99 | 7.2E-01 | 0.99 | 0.77 |
| rs73357587 | 105436831 | T | C | 0.07 | 0.98 | 0.05 | 6.7E-01 | 38.52 | 0.02 | 0.05 | I/I | 5.8E-01 | 0.97 | 4.5E-01 | 0.96 | 0.79 |
| rs12434765 | 104989343 | T | C | 0.15 | 1.02 | 0.04 | 6.7E-01 | 0 | <0.01 | 0.21 | I/I | 7.3E-01 | 1.01 | 7.4E-01 | 1.01 | 0.84 |
| rs4983437 | 105037425 | G | A | 0.16 | 0.99 | 0.03 | 6.7E-01 | 0 | <0.01 | 0.18 | G*/I | 6.8E-01 | 0.99 | 5.1E-01 | 0.98 | 0.92 |
| rs78353106 | 105418638 | G | A | 0.05 | 1.02 | 0.05 | 6.7E-01 | 50.44 | 0.02 | 0.05 | I/I | 7.0E-01 | 1.02 | 8.6E-01 | 1.01 | 0.86 |
| rs10138381 | 105500553 | G | A | 0.23 | 1.01 | 0.02 | 6.7E-01 | 0 | <0.01 | 0.24 | I/I | 6.3E-01 | 1.01 | 4.6E-01 | 1.02 | 0.98 |
| rs7146661 | 105090555 | G | C | 0.26 | 0.99 | 0.02 | 6.7E-01 | 0 | <0.01 | 0.25 | I/I | 4.5E-01 | 0.98 | 5.7E-01 | 0.99 | 0.86 |
| rs12434169 | 104989254 | A | G | 0.15 | 1.02 | 0.04 | 6.7E-01 | 0 | <0.01 | 0.21 | I/I | 7.3E-01 | 1.01 | 7.5E-01 | 1.01 | 0.84 |
| rs72700185 | 105348338 | G | C | 0.03 | 1.02 | 0.06 | 6.7E-01 | 0 | <0.01 | 0.05 | I/I | 8.4E-01 | 1.01 | 9.5E-01 | 1.00 | 0.94 |
| rs117059470 | 105610361 | A | G | 0.02 | 0.95 | 0.11 | 6.7E-01 | 0 | <0.01 | 0.04 | I/I | 5.0E-01 | 0.93 | 4.7E-01 | 0.92 | 0.68 |
| rs145666787 | 105321401 | A | G | 0.33 | 0.99 | 0.03 | 6.7E-01 | 0 | <0.01 | 0.36 | I/I | 6.7E-01 | 0.99 | 7.5E-01 | 0.99 | 0.59 |
| rs73350371 | 105285220 | G | A | 0.05 | 1.02 | 0.06 | 6.7E-01 | 0 | <0.01 | 0.03 | I/I | 8.0E-01 | 0.99 | 8.1E-01 | 0.99 | 0.67 |
| rs76260431 | 105617550 | A | C | 0.39 | 1.01 | 0.03 | 6.7E-01 | 76.67 | <0.01 | 0.41 | I/I | 7.9E-01 | 1.01 | 8.2E-01 | 1.01 | 0.65 |
| rs67944534 | 105029728 | G | C | 0.16 | 0.99 | 0.03 | 6.7E-01 | 1.96 | <0.01 | 0.17 | I/I | 7.0E-01 | 0.99 | 5.4E-01 | 0.98 | 0.88 |
| rs4430684 | 105499978 | G | C | 0.26 | 0.99 | 0.03 | 6.7E-01 | 0 | <0.01 | 0.24 | I/I | 9.6E-01 | 1.00 | 8.6E-01 | 1.01 | 0.50 |
| rs4247024 | 105027938 | C | G | 0.32 | 1.01 | 0.02 | 6.7E-01 | 11.08 | <0.01 | 0.30 | I/I | 7.4E-01 | 1.01 | 8.1E-01 | 1.01 | 0.91 |
| rs10444691 | 104988326 | A | G | 0.15 | 1.02 | 0.04 | 6.7E-01 | 0 | <0.01 | 0.21 | I/I | 7.3E-01 | 1.01 | 7.5E-01 | 1.01 | 0.84 |
| rs2582523 | 105379952 | C | T | 0.08 | 1.02 | 0.04 | 6.7E-01 | 0 | <0.01 | 0.08 | I/I | 9.4E-01 | 1.00 | 7.3E-01 | 0.99 | 0.98 |
| rs56078065 | 105151982 | G | T | 0.11 | 1.02 | 0.04 | 6.7E-01 | 0 | 0.03 | 0.06 | I/I | 7.3E-01 | 0.99 | 3.3E-01 | 0.96 | 0.74 |
| rs6576055 | 105090000 | A | G | 0.13 | 0.99 | 0.03 | 6.7E-01 | 2.4 | <0.01 | 0.14 | I/G | 5.5E-01 | 0.98 | 6.4E-01 | 0.99 | 0.86 |
| rs10431752 | 104762003 | T | C | 0.13 | 0.98 | 0.04 | 6.7E-01 | 0 | <0.01 | 0.14 | I/I | 7.2E-01 | 0.99 | 7.3E-01 | 0.99 | 0.77 |
| rs4983542 | 105210172 | A | G | 0.12 | 0.99 | 0.03 | 6.7E-01 | 0 | 0.03 | 0.07 | I/I | 4.2E-02 | 0.94 | 5.5E-01 | 1.02 | 0.95 |
| rs185871859 | 105321481 | A | G | 0.23 | 1.01 | 0.03 | 6.8E-01 | 0 | <0.01 | 0.28 | I/I | 3.5E-01 | 1.03 | 3.4E-01 | 1.03 | 0.54 |
| rs112196905 | 105058879 | A | G | 0.06 | 1.02 | 0.05 | 6.8E-01 | 57.58 | 0.02 | 0.06 | I/I | 4.9E-01 | 1.04 | 4.6E-01 | 1.04 | 0.88 |
| rs77055982 | 105019026 | A | G | 0.19 | 1.01 | 0.03 | 6.8E-01 | 0 | <0.01 | 0.19 | I/I | 7.1E-01 | 1.01 | 7.2E-01 | 1.01 | 0.91 |
| rs1595947 | 105373951 | G | A | 0.08 | 1.02 | 0.04 | 6.8E-01 | 0 | <0.01 | 0.08 | G*/I | 9.9E-01 | 1.00 | 7.8E-01 | 0.99 | 1.00 |
| rs4983517 | 104927329 | G | A | 0.23 | 0.99 | 0.03 | 6.8E-01 | 0 | <0.01 | 0.24 | I/I | 8.1E-01 | 0.99 | 7.5E-01 | 0.99 | 0.88 |
| rs11850889 | 105202643 | A | G | 0.12 | 0.99 | 0.03 | 6.8E-01 | 0 | 0.03 | 0.07 | I/I | 4.2E-02 | 0.94 | 5.6E-01 | 1.02 | 0.96 |
| rs77480445 | 105435394 | T | C | 0.03 | 1.03 | 0.07 | 6.8E-01 | 7.71 | <0.01 | 0.03 | I/I | 7.6E-01 | 1.02 | 9.0E-01 | 1.01 | 0.90 |
| rs4983500 | 105045524 | G | A | 0.12 | 1.02 | 0.04 | 6.8E-01 | 0 | <0.01 | 0.12 | G*/I | 9.4E-01 | 1.00 | 1.0E+00 | 1.00 | 0.90 |
| rs12050087 | 105346869 | A | G | 0.03 | 1.02 | 0.06 | 6.8E-01 | 0 | <0.01 | 0.05 | I/I | 8.5E-01 | 1.01 | 9.5E-01 | 1.00 | 0.94 |
| rs12896579 | 105225130 | T | C | 0.12 | 0.99 | 0.03 | 6.8E-01 | 0 | 0.03 | 0.06 | I/I | 4.1E-02 | 0.93 | 5.4E-01 | 1.02 | 0.94 |
| rs140423947 | 105231921 | T | C | 0.01 | 1.05 | 0.12 | 6.8E-01 | 0 | <0.01 | 0.01 | I/I | 9.4E-01 | 0.99 | 7.5E-01 | 0.96 | 0.71 |
| rs35527175 | 105048421 | C | A | 0.12 | 1.02 | 0.04 | 6.8E-01 | 0 | <0.01 | 0.12 | I/I | 9.4E-01 | 1.00 | 1.0E+00 | 1.00 | 0.88 |
| rs143157819 | 104917262 | G | C | 0.02 | 1.05 | 0.13 | 6.8E-01 | 0.94 | <0.01 | 0.01 | I/I | 7.1E-01 | 1.05 | 6.2E-01 | 1.07 | 0.43 |
| rs4906438 | 104771729 | T | C | 0.48 | 0.99 | 0.03 | 6.8E-01 | 0 | <0.01 | 0.48 | I/I | 7.0E-01 | 0.99 | 7.3E-01 | 0.99 | 0.84 |
| rs2841272 | 105387120 | G | A | 0.03 | 1.03 | 0.06 | 6.8E-01 | 2.5 | <0.01 | 0.02 | I/I | 8.7E-01 | 1.01 | 9.7E-01 | 1.00 | 0.81 |
| rs72700176 | 105346632 | A | G | 0.03 | 1.02 | 0.06 | 6.8E-01 | 0 | <0.01 | 0.05 | I/I | 8.5E-01 | 1.01 | 9.6E-01 | 1.00 | 0.94 |
| rs4381528 | 105230815 | T | C | 0.12 | 0.99 | 0.03 | 6.8E-01 | 0 | 0.03 | 0.06 | I/I | 4.2E-02 | 0.93 | 5.3E-01 | 1.02 | 0.93 |
| rs34437981 | 105575272 | C | A | 0.45 | 1.01 | 0.03 | 6.8E-01 | 13.37 | <0.01 | 0.49 | I/I | 7.0E-01 | 1.01 | 5.1E-01 | 1.02 | 0.74 |
| rs5015594 | 105129278 | G | A | 0.26 | 1.01 | 0.03 | 6.8E-01 | 43.8 | <0.01 | 0.31 | I/I | 7.7E-01 | 1.01 | 9.6E-01 | 1.00 | 0.82 |
| rs143593141 | 105417699 | A | G | 0.15 | 0.99 | 0.04 | 6.8E-01 | 0 | 0.02 | 0.13 | I/I | 6.9E-01 | 1.02 | 6.8E-01 | 1.02 | 0.63 |
| rs8012258 | 104991128 | T | C | 0.48 | 1.01 | 0.03 | 6.8E-01 | 38.51 | <0.01 | 0.47 | G*/I | 7.9E-01 | 1.01 | 6.5E-01 | 1.01 | 0.87 |
| rs72700172 | 105345798 | A | G | 0.04 | 1.02 | 0.06 | 6.8E-01 | 0 | <0.01 | 0.05 | I/I | 8.6E-01 | 1.01 | 9.8E-01 | 1.00 | 0.92 |
| rs10143521 | 104753618 | C | G | 0.40 | 1.01 | 0.03 | 6.9E-01 | 0 | <0.01 | 0.43 | I/I | 6.3E-01 | 1.01 | 7.2E-01 | 1.01 | 0.65 |
| rs10146433 | 104978460 | A | G | 0.15 | 1.01 | 0.04 | 6.9E-01 | 0 | <0.01 | 0.21 | I/I | 7.4E-01 | 1.01 | 7.5E-01 | 1.01 | 0.86 |
| rs143000375 | 105498114 | T | C | 0.03 | 1.03 | 0.07 | 6.9E-01 | 55.35 | <0.01 | 0.02 | I/I | 8.2E-01 | 1.01 | 9.3E-01 | 1.01 | 0.92 |
| rs4983569 | 104983920 | T | C | 0.15 | 1.01 | 0.04 | 6.9E-01 | 0 | <0.01 | 0.21 | G*/I | 7.5E-01 | 1.01 | 7.6E-01 | 1.01 | 0.87 |
| rs113063866 | 105319078 | T | A | 0.05 | 1.02 | 0.05 | 6.9E-01 | 39.77 | <0.01 | 0.06 | I/I | 9.8E-01 | 1.00 | 8.4E-01 | 0.99 | 0.82 |
| rs10146211 | 104754119 | T | G | 0.40 | 1.01 | 0.03 | 6.9E-01 | 0 | <0.01 | 0.43 | I/I | 6.3E-01 | 1.01 | 7.2E-01 | 1.01 | 0.65 |
| rs2242635 | 105614974 | C | T | 0.37 | 1.01 | 0.02 | 6.9E-01 | 50.25 | <0.01 | 0.32 | I/I | 5.8E-01 | 1.01 | 6.7E-01 | 1.01 | 0.95 |
| rs28714517 | 104753503 | G | C | 0.40 | 1.01 | 0.03 | 6.9E-01 | 0 | <0.01 | 0.43 | I/I | 6.3E-01 | 1.01 | 7.2E-01 | 1.01 | 0.65 |
| rs4983568 | 104983655 | G | T | 0.15 | 1.01 | 0.04 | 6.9E-01 | 0.09 | <0.01 | 0.21 | G*/I | 7.5E-01 | 1.01 | 7.6E-01 | 1.01 | 0.87 |
| rs28517288 | 104753476 | C | G | 0.40 | 1.01 | 0.03 | 6.9E-01 | 0 | <0.01 | 0.43 | I/I | 6.3E-01 | 1.01 | 7.3E-01 | 1.01 | 0.65 |
| rs7144780 | 104744267 | C | T | 0.26 | 1.01 | 0.03 | 6.9E-01 | 0 | <0.01 | 0.25 | I/I | 7.0E-01 | 1.01 | 7.6E-01 | 1.01 | 0.89 |
| rs4983439 | 105037557 | C | T | 0.16 | 0.99 | 0.03 | 6.9E-01 | 0 | <0.01 | 0.18 | I/I | 7.0E-01 | 0.99 | 5.3E-01 | 0.98 | 0.91 |
| rs4243749 | 104849219 | T | C | 0.31 | 1.01 | 0.03 | 6.9E-01 | 0 | <0.01 | 0.29 | G*/I | 7.1E-01 | 1.01 | 6.9E-01 | 1.01 | 0.86 |
| rs6576033 | 104852475 | A | G | 0.35 | 1.01 | 0.02 | 6.9E-01 | 0 | <0.01 | 0.39 | I/I | 7.3E-01 | 1.01 | 7.3E-01 | 1.01 | 0.95 |
| rs7146521 | 105090516 | G | C | 0.26 | 0.99 | 0.02 | 6.9E-01 | 0 | <0.01 | 0.25 | I/G | 4.7E-01 | 0.98 | 5.9E-01 | 0.99 | 0.87 |
| rs4077159 | 105164225 | T | G | 0.10 | 1.02 | 0.04 | 6.9E-01 | 0 | 0.04 | 0.06 | I/I | 5.2E-01 | 0.97 | 2.2E-01 | 0.95 | 0.91 |
| rs55961253 | 105289294 | T | C | 0.05 | 1.02 | 0.06 | 6.9E-01 | 0 | <0.01 | 0.03 | I/I | 7.8E-01 | 0.98 | 7.9E-01 | 0.98 | 0.68 |
| rs12884077 | 105553392 | A | G | 0.23 | 0.99 | 0.03 | 6.9E-01 | 79.95 | <0.01 | 0.19 | I/I | 6.3E-01 | 0.99 | 5.2E-01 | 0.98 | 0.90 |
| rs7144772 | 105279110 | A | G | 0.17 | 0.99 | 0.04 | 6.9E-01 | 59.2 | <0.01 | 0.12 | I/I | 3.1E-01 | 0.96 | 5.1E-01 | 0.98 | 0.58 |
| rs77644432 | 105037509 | C | T | 0.15 | 0.99 | 0.03 | 7.0E-01 | 0 | <0.01 | 0.17 | I/I | 7.1E-01 | 0.99 | 5.4E-01 | 0.98 | 0.89 |
| rs113477669 | 105428982 | T | A | 0.10 | 1.02 | 0.05 | 7.0E-01 | 0 | <0.01 | 0.09 | I/I | 7.7E-01 | 1.01 | 8.5E-01 | 1.01 | 0.60 |
| rs4075355 | 105125512 | A | G | 0.26 | 1.01 | 0.03 | 7.0E-01 | 42.48 | <0.01 | 0.31 | I/I | 7.9E-01 | 1.01 | 9.8E-01 | 1.00 | 0.82 |
| rs72700183 | 105348160 | A | G | 0.03 | 1.02 | 0.06 | 7.0E-01 | 0 | <0.01 | 0.05 | I/I | 8.8E-01 | 1.01 | 9.8E-01 | 1.00 | 0.91 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs2072673 | 105624693 | C | T | 0.36 | 1.01 | 0.02 | 7.0E-01 | 60.08 | <0.01 | 0.33 | G/G | 6.0E-01 | 1.01 | 6.6E-01 | 1.01 | 1.00 |
| rs72713845 | 105101349 | A | G | 0.12 | 1.02 | 0.04 | 7.0E-01 | 48.4 | <0.01 | 0.15 | I/I | 5.1E-01 | 1.03 | 6.3E-01 | 1.02 | 0.85 |
| rs117462741 | 105693397 | A | G | 0.02 | 0.96 | 0.10 | 7.0E-01 | 55.17 | <0.01 | 0.05 | I/I | 7.4E-01 | 0.97 | 6.6E-01 | 0.96 | 0.61 |
| rs118083700 | 105347688 | A | G | 0.03 | 1.02 | 0.06 | 7.0E-01 | 0 | <0.01 | 0.05 | I/I | 8.9E-01 | 1.01 | 9.8E-01 | 1.00 | 0.91 |
| rs3784236 | 105630032 | A | G | 0.37 | 1.01 | 0.02 | 7.0E-01 | 62.08 | <0.01 | 0.32 | I/I | 6.1E-01 | 1.01 | 6.6E-01 | 1.01 | 0.98 |
| rs12887774 | 105219918 | T | C | 0.12 | 0.99 | 0.03 | 7.1E-01 | 0 | 0.03 | 0.08 | I/I | 3.9E-02 | 0.93 | 6.0E-01 | 1.02 | 0.94 |
| rs35956117 | 105217856 | T | C | 0.12 | 0.99 | 0.03 | 7.1E-01 | 0 | 0.03 | 0.07 | I/I | 4.7E-02 | 0.94 | 5.2E-01 | 1.02 | 0.95 |
| rs7145744 | 105147288 | A | G | 0.23 | 1.01 | 0.03 | 7.1E-01 | 3.03 | 0.01 | 0.28 | I/I | 8.4E-01 | 1.01 | 9.6E-01 | 1.00 | 0.74 |
| rs141058392 | 105319317 | G | C | 0.03 | 1.02 | 0.06 | 7.1E-01 | 0 | <0.01 | 0.05 | I/I | 8.8E-01 | 1.01 | 1.0E+00 | 1.00 | 0.89 |
| rs79806511 | 105608784 | A | G | 0.02 | 1.04 | 0.11 | 7.1E-01 | 0.38 | <0.01 | 0.02 | I/I | 6.6E-01 | 1.05 | 4.9E-01 | 1.08 | 0.49 |
| rs72700189 | 105351579 | A | G | 0.03 | 1.02 | 0.06 | 7.1E-01 | 0 | <0.01 | 0.05 | I/I | 8.8E-01 | 1.01 | 9.8E-01 | 1.00 | 0.95 |
| rs57804458 | 105432402 | T | C | 0.03 | 1.02 | 0.07 | 7.1E-01 | 2.23 | <0.01 | 0.03 | I/I | 7.9E-01 | 1.02 | 9.2E-01 | 1.01 | 0.90 |
| rs2841256 | 105371555 | T | A | 0.08 | 1.01 | 0.04 | 7.1E-01 | 26.59 | <0.01 | 0.08 | I/I | 9.8E-01 | 1.00 | 7.6E-01 | 0.99 | 0.96 |
| rs7144557 | 105352536 | T | C | 0.03 | 1.02 | 0.06 | 7.1E-01 | 0 | <0.01 | 0.05 | I/I | 8.8E-01 | 1.01 | 9.9E-01 | 1.00 | 0.95 |
| rs78455163 | 105318467 | A | C | 0.03 | 1.02 | 0.06 | 7.1E-01 | 0 | <0.01 | 0.05 | I/I | 8.8E-01 | 1.01 | 1.0E+00 | 1.00 | 0.89 |
| rs4983600 | 105011617 | C | T | 0.30 | 1.01 | 0.02 | 7.1E-01 | 13.92 | <0.01 | 0.29 | I/I | 8.0E-01 | 1.01 | 8.6E-01 | 1.00 | 0.98 |
| rs190093980 | 105334361 | G | T | 0.02 | 1.05 | 0.12 | 7.1E-01 | 48.86 | <0.01 | 0.01 | I/I | 3.3E-01 | 1.13 | 5.0E-01 | 1.09 | 0.45 |
| rs9671900 | 104985592 | T | G | 0.48 | 1.01 | 0.03 | 7.1E-01 | 46.59 | <0.01 | 0.49 | I/I | 8.3E-01 | 1.01 | 6.9E-01 | 1.01 | 0.86 |
| rs57999984 | 105161289 | G | A | 0.10 | 1.01 | 0.04 | 7.1E-01 | 14.1 | 0.03 | 0.06 | I/I | 5.9E-01 | 0.98 | 2.6E-01 | 0.95 | 0.87 |
| rs6576040 | 104918925 | G | A | 0.06 | 1.02 | 0.04 | 7.1E-01 | 28.92 | 0.01 | 0.02 | I/I | 6.2E-01 | 1.02 | 6.4E-01 | 1.02 | 0.89 |
| rs79529286 | 105035930 | A | G | 0.04 | 0.97 | 0.08 | 7.1E-01 | 17.94 | 0.01 | 0.06 | I/I | 6.4E-01 | 0.97 | 5.5E-01 | 0.96 | 0.61 |
| rs4074138 | 104989969 | A | G | 0.48 | 1.01 | 0.03 | 7.1E-01 | 51.97 | <0.01 | 0.48 | I/I | 8.3E-01 | 1.01 | 6.8E-01 | 1.01 | 0.86 |
| rs4983566 | 104982013 | T | C | 0.16 | 1.01 | 0.04 | 7.1E-01 | 0 | <0.01 | 0.21 | G*/I | 7.6E-01 | 1.01 | 7.7E-01 | 1.01 | 0.87 |
| rs80114387 | 105037508 | A | G | 0.15 | 0.99 | 0.03 | 7.1E-01 | 0 | <0.01 | 0.17 | I/I | 7.3E-01 | 0.99 | 5.6E-01 | 0.98 | 0.89 |
| rs12890038 | 105091513 | A | G | 0.09 | 1.02 | 0.04 | 7.1E-01 | 71.25 | <0.01 | 0.08 | I/I | 6.0E-01 | 1.02 | 6.5E-01 | 1.02 | 0.81 |
| rs139591407 | 105317693 | G | T | 0.03 | 1.02 | 0.06 | 7.1E-01 | 0 | <0.01 | 0.05 | I/I | 8.8E-01 | 1.01 | 1.0E+00 | 1.00 | 0.88 |
| rs72700192 | 105355185 | T | G | 0.03 | 1.02 | 0.06 | 7.1E-01 | 0 | <0.01 | 0.05 | I/I | 8.8E-01 | 1.01 | 9.9E-01 | 1.00 | 0.94 |
| rs2841234 | 105347296 | A | G | 0.03 | 1.02 | 0.06 | 7.1E-01 | 0 | <0.01 | 0.05 | I/I | 8.9E-01 | 1.01 | 9.9E-01 | 1.00 | 0.95 |
| rs73357588 | 105439000 | C | G | 0.07 | 0.98 | 0.05 | 7.1E-01 | 40.88 | 0.02 | 0.05 | I/I | 6.2E-01 | 0.97 | 4.8E-01 | 0.96 | 0.77 |
| rs28691880 | 104918369 | C | A | 0.06 | 1.02 | 0.04 | 7.2E-01 | 28.92 | 0.01 | 0.02 | I/I | 6.2E-01 | 1.02 | 6.4E-01 | 1.02 | 0.89 |
| rs73359815 | 105017747 | A | C | 0.19 | 1.01 | 0.03 | 7.2E-01 | 0 | <0.01 | 0.19 | I/I | 7.4E-01 | 1.01 | 7.5E-01 | 1.01 | 0.91 |
| rs7142996 | 104918348 | A | G | 0.06 | 1.02 | 0.04 | 7.2E-01 | 28.91 | 0.01 | 0.02 | I/I | 6.2E-01 | 1.02 | 6.4E-01 | 1.02 | 0.89 |
| rs4435188 | 104977157 | T | C | 0.15 | 1.01 | 0.04 | 7.2E-01 | 1.62 | <0.01 | 0.21 | I/I | 7.5E-01 | 1.01 | 7.7E-01 | 1.01 | 0.85 |
| rs9743984 | 105014982 | C | A | 0.16 | 0.99 | 0.03 | 7.2E-01 | 0 | <0.01 | 0.18 | I/I | 8.0E-01 | 0.99 | 8.0E-01 | 0.99 | 0.84 |
| rs73359816 | 105018839 | T | C | 0.19 | 1.01 | 0.03 | 7.2E-01 | 0 | <0.01 | 0.19 | I/I | 7.5E-01 | 1.01 | 7.6E-01 | 1.01 | 0.91 |
| rs36016599 | 105155316 | A | C | 0.09 | 0.98 | 0.04 | 7.2E-01 | 4.01 | 0.02 | 0.05 | I/I | 3.0E-01 | 0.96 | 1.0E-01 | 0.93 | 0.80 |
| rs59862747 | 104999880 | G | T | 0.49 | 1.01 | 0.03 | 7.2E-01 | 55.67 | <0.01 | 0.48 | I/I | 9.0E-01 | 1.00 | 6.5E-01 | 1.01 | 0.85 |
| rs8010930 | 104919105 | A | C | 0.06 | 1.02 | 0.04 | 7.2E-01 | 28.5 | 0.01 | 0.02 | I/G | 6.2E-01 | 1.02 | 6.4E-01 | 1.02 | 0.89 |
| rs7143077 | 105278420 | G | A | 0.02 | 1.03 | 0.09 | 7.2E-01 | 0 | <0.01 | 0.02 | I/I | 7.3E-01 | 1.03 | 7.7E-01 | 1.03 | 0.62 |
| rs4983537 | 105183641 | T | C | 0.21 | 0.99 | 0.03 | 7.2E-01 | 4.53 | 0.05 | 0.23 | I/I | 3.7E-01 | 0.97 | 3.4E-01 | 1.03 | 0.84 |
| rs28489547 | 105499982 | A | G | 0.11 | 1.01 | 0.04 | 7.2E-01 | 0 | <0.01 | 0.08 | I/I | 9.3E-01 | 1.00 | 9.5E-01 | 1.00 | 0.75 |
| rs7147000 | 105007815 | G | A | 0.30 | 1.01 | 0.02 | 7.2E-01 | 0 | <0.01 | 0.29 | G/G | 8.0E-01 | 1.01 | 8.7E-01 | 1.00 | 1.00 |
| rs41314519 | 105344823 | A | G | 0.03 | 1.02 | 0.06 | 7.2E-01 | 0 | <0.01 | 0.05 | I/I | 9.1E-01 | 1.01 | 9.7E-01 | 1.00 | 0.92 |
| rs117798473 | 104935197 | G | A | 0.04 | 0.98 | 0.06 | 7.2E-01 | 31.82 | <0.01 | 0.06 | I/I | 7.0E-01 | 0.98 | 6.4E-01 | 0.97 | 0.77 |
| rs10150180 | 104783439 | A | G | 0.44 | 1.01 | 0.03 | 7.2E-01 | 0 | <0.01 | 0.41 | I/I | 7.7E-01 | 1.01 | 7.1E-01 | 1.01 | 0.84 |
| rs143579787 | 105316744 | A | G | 0.03 | 1.02 | 0.06 | 7.2E-01 | 0 | <0.01 | 0.02 | I/I | 8.1E-01 | 0.98 | 6.6E-01 | 0.97 | 0.84 |
| rs142924470 | 105121616 | A | G | 0.30 | 1.01 | 0.03 | 7.2E-01 | 9.06 | 0.01 | 0.31 | I/I | 7.3E-01 | 1.01 | 9.5E-01 | 1.00 | 0.76 |
| rs10137444 | 104977498 | A | G | 0.16 | 1.01 | 0.04 | 7.2E-01 | 1.03 | <0.01 | 0.21 | I/I | 7.6E-01 | 1.01 | 7.8E-01 | 1.01 | 0.85 |
| rs8011976 | 104854680 | T | C | 0.36 | 1.01 | 0.02 | 7.2E-01 | 0 | <0.01 | 0.39 | I/I | 7.6E-01 | 1.01 | 7.6E-01 | 1.01 | 0.95 |
| rs72700170 | 105345608 | A | G | 0.03 | 1.02 | 0.06 | 7.2E-01 | 0 | <0.01 | 0.05 | I/I | 9.1E-01 | 1.01 | 9.7E-01 | 1.00 | 0.92 |
| rs4983446 | 105039447 | C | T | 0.17 | 0.99 | 0.03 | 7.3E-01 | 0 | <0.01 | 0.18 | I/I | 7.2E-01 | 0.99 | 5.5E-01 | 0.98 | 0.91 |
| rs118031558 | 104776471 | T | C | 0.03 | 0.97 | 0.08 | 7.3E-01 | 8.41 | <0.01 | 0.01 | I/I | 7.9E-01 | 0.98 | 8.0E-01 | 0.98 | 0.74 |
| rs56047035 | 105187662 | A | G | 0.48 | 1.01 | 0.03 | 7.3E-01 | 0 | <0.01 | 0.48 | I/I | 9.8E-01 | 1.00 | 4.3E-01 | 1.02 | 0.55 |
| rs2819446 | 105426369 | G | A | 0.06 | 0.98 | 0.05 | 7.3E-01 | 56.27 | 0.02 | 0.05 | I/I | 6.4E-01 | 0.98 | 5.1E-01 | 0.97 | 0.80 |
| rs9743695 | 105014881 | C | T | 0.31 | 1.01 | 0.02 | 7.3E-01 | 11.39 | <0.01 | 0.29 | I/I | 8.1E-01 | 1.01 | 8.8E-01 | 1.00 | 0.96 |
| rs113977819 | 105279332 | A | G | 0.04 | 0.98 | 0.07 | 7.3E-01 | 0 | <0.01 | 0.02 | I/I | 3.0E-01 | 0.93 | 2.9E-01 | 0.93 | 0.67 |
| rs34004095 | 105364047 | C | T | 0.04 | 1.02 | 0.06 | 7.3E-01 | 0 | <0.01 | 0.05 | I/I | 8.7E-01 | 1.01 | 9.7E-01 | 1.00 | 0.87 |
| rs74436077 | 104752109 | A | G | 0.01 | 1.04 | 0.11 | 7.3E-01 | 0 | <0.01 | 0.05 | I/I | 7.3E-01 | 1.04 | 7.7E-01 | 1.03 | 0.69 |
| rs73359818 | 105019167 | G | A | 0.20 | 1.01 | 0.03 | 7.3E-01 | 17.91 | <0.01 | 0.20 | I/I | 7.7E-01 | 1.01 | 7.7E-01 | 1.01 | 0.90 |
| rs74090129 | 105419234 | C | T | 0.05 | 1.02 | 0.05 | 7.3E-01 | 50.42 | 0.02 | 0.05 | I/I | 7.6E-01 | 1.02 | 9.2E-01 | 1.01 | 0.86 |
| rs10147927 | 105092103 | G | C | 0.14 | 1.01 | 0.04 | 7.3E-01 | 59.98 | <0.01 | 0.12 | I/I | 4.9E-01 | 1.03 | 5.1E-01 | 1.03 | 0.56 |
| rs6576039 | 104918437 | T | C | 0.06 | 1.02 | 0.04 | 7.3E-01 | 34.02 | 0.01 | 0.02 | I/I | 6.4E-01 | 1.02 | 6.6E-01 | 1.02 | 0.87 |
| rs113325667 | 105196076 | G | C | 0.06 | 1.02 | 0.06 | 7.3E-01 | 0 | <0.01 | 0.05 | I/I | 5.8E-01 | 0.97 | 9.7E-01 | 1.00 | 0.54 |
| rs138389157 | 105414372 | G | C | 0.04 | 0.98 | 0.06 | 7.3E-01 | 0 | <0.01 | 0.02 | I/I | 5.1E-01 | 0.96 | 3.6E-01 | 0.95 | 0.88 |
| rs2582504 | 105416823 | A | G | 0.06 | 1.02 | 0.05 | 7.4E-01 | 42.99 | <0.01 | 0.05 | I/I | 9.1E-01 | 1.01 | 8.5E-01 | 1.01 | 0.75 |
| rs11845888 | 104921032 | A | G | 0.06 | 1.01 | 0.04 | 7.4E-01 | 32.84 | 0.01 | 0.02 | I/I | 6.5E-01 | 1.02 | 6.7E-01 | 1.02 | 0.87 |
| rs28666641 | 104917921 | C | T | 0.06 | 1.01 | 0.04 | 7.4E-01 | 34.17 | 0.01 | 0.02 | I/I | 6.4E-01 | 1.02 | 6.6E-01 | 1.02 | 0.87 |
| rs34207932 | 105224459 | C | T | 0.02 | 1.03 | 0.10 | 7.4E-01 | 74.74 | <0.01 | 0.02 | I/I | 6.1E-01 | 0.95 | 4.3E-01 | 1.08 | 0.63 |
| rs117530384 | 105029727 | T | C | 0.02 | 0.97 | 0.09 | 7.4E-01 | 36.78 | 0.02 | 0.02 | I/I | 9.9E-01 | 1.00 | 8.5E-01 | 0.98 | 0.69 |
| rs146998654 | 105375884 | T | C | 0.03 | 1.02 | 0.06 | 7.4E-01 | 0 | <0.01 | 0.05 | I/I | 9.0E-01 | 1.01 | 9.9E-01 | 1.00 | 0.95 |
| rs73352192 | 104917776 | G | T | 0.06 | 1.02 | 0.04 | 7.4E-01 | 28.87 | 0.01 | 0.02 | I/I | 6.4E-01 | 1.02 | 6.6E-01 | 1.02 | 0.88 |
| rs60974569 | 104999605 | A | G | 0.49 | 1.01 | 0.03 | 7.4E-01 | 55.34 | <0.01 | 0.48 | I/I | 9.2E-01 | 1.00 | 6.7E-01 | 1.01 | 0.85 |
| rs10147900 | 105092031 | T | C | 0.14 | 0.99 | 0.04 | 7.4E-01 | 26.4 | <0.01 | 0.13 | I/I | 2.5E-01 | 0.95 | 3.2E-01 | 0.96 | 0.54 |
| rs35507185 | 104849583 | T | C | 0.29 | 1.01 | 0.03 | 7.4E-01 | 0 | <0.01 | 0.27 | I/I | 8.0E-01 | 1.01 | 7.3E-01 | 1.01 | 0.61 |
| rs145620270 | 105444702 | G | A | 0.08 | 1.01 | 0.04 | 7.4E-01 | 0 | <0.01 | 0.10 | I/I | 7.7E-01 | 1.01 | 8.5E-01 | 1.01 | 0.78 |
| rs28511273 | 104918292 | C | T | 0.06 | 1.01 | 0.04 | 7.4E-01 | 28.83 | 0.01 | 0.02 | I/I | 6.4E-01 | 1.02 | 6.7E-01 | 1.02 | 0.89 |
| rs56213456 | 104998975 | A | G | 0.49 | 1.01 | 0.03 | 7.4E-01 | 52.91 | <0.01 | 0.48 | I/I | 9.2E-01 | 1.00 | 6.7E-01 | 1.01 | 0.85 |
| rs143531843 | 105372826 | T | C | 0.03 | 1.02 | 0.06 | 7.4E-01 | 0 | <0.01 | 0.05 | I/I | 9.1E-01 | 1.01 | 9.8E-01 | 1.00 | 0.96 |
| rs59985194 | 104918069 | A | C | 0.06 | 1.01 | 0.04 | 7.4E-01 | 28.96 | 0.01 | 0.02 | I/I | 6.4E-01 | 1.02 | 6.7E-01 | 1.02 | 0.89 |
| rs12884142 | 105149313 | C | A | 0.18 | 0.99 | 0.04 | 7.4E-01 | 28.41 | 0.05 | 0.19 | I/I | 6.5E-01 | 0.98 | 5.1E-01 | 1.03 | 0.49 |
| rs57820405 | 104918008 | A | G | 0.06 | 1.01 | 0.04 | 7.4E-01 | 28.98 | 0.01 | 0.02 | I/I | 6.4E-01 | 1.02 | 6.7E-01 | 1.02 | 0.89 |
| rs57024320 | 104999674 | T | C | 0.49 | 1.01 | 0.03 | 7.4E-01 | 52.59 | <0.01 | 0.48 | I/I | 9.2E-01 | 1.00 | 6.7E-01 | 1.01 | 0.85 |
| rs7147744 | 105143579 | A | G | 0.23 | 1.01 | 0.03 | 7.4E-01 | 11.1 | <0.01 | 0.26 | I/I | 9.8E-01 | 1.00 | 8.7E-01 | 0.99 | 0.78 |
| rs145600795 | 105519647 | A | G | 0.02 | 1.03 | 0.10 | 7.4E-01 | 0 | 0.02 | 0.01 | I/I | 7.9E-01 | 1.03 | 4.1E-01 | 1.08 | 0.57 |
| rs3730346 | 105241378 | T | C | 0.12 | 0.99 | 0.03 | 7.4E-01 | 0 | 0.04 | 0.06 | I/I | 5.0E-02 | 0.94 | 4.7E-01 | 1.02 | 0.92 |
| rs71423203 | 105291935 | C | T | 0.07 | 1.02 | 0.06 | 7.5E-01 | 36.59 | <0.01 | 0.04 | I/I | 6.4E-01 | 1.03 | 9.0E-01 | 1.01 | 0.49 |
| rs2498792 | 105247366 | G | A | 0.04 | 0.98 | 0.07 | 7.5E-01 | 0 | 0.02 | 0.06 | I/I | 2.2E-01 | 0.92 | 2.9E-01 | 0.93 | 0.48 |
| rs10150682 | 105452035 | G | A | 0.11 | 1.01 | 0.04 | 7.5E-01 | 0 | <0.01 | 0.11 | I/I | 8.1E-01 | 1.01 | 6.1E-01 | 1.02 | 0.88 |
| rs4555088 | 104998479 | C | T | 0.49 | 1.01 | 0.03 | 7.5E-01 | 55.23 | <0.01 | 0.48 | I/I | 9.4E-01 | 1.00 | 6.8E-01 | 1.01 | 0.85 |
| rs58276039 | 105345068 | A | G | 0.04 | 0.98 | 0.05 | 7.5E-01 | 7.01 | <0.01 | 0.03 | I/I | 4.6E-01 | 0.96 | 3.4E-01 | 0.95 | 0.97 |
| rs72704060 | 104751134 | A | G | 0.22 | 0.99 | 0.03 | 7.5E-01 | 0 | <0.01 | 0.25 | I/I | 7.4E-01 | 0.99 | 6.8E-01 | 0.99 | 0.68 |
| rs7147151 | 105553763 | T | C | 0.23 | 0.99 | 0.03 | 7.5E-01 | 78.47 | <0.01 | 0.20 | I/I | 6.8E-01 | 0.99 | 5.5E-01 | 0.98 | 0.89 |
| rs4075324 | 105020206 | C | T | 0.17 | 0.99 | 0.03 | 7.6E-01 | 0 | <0.01 | 0.16 | I/I | 7.3E-01 | 0.99 | 5.9E-01 | 0.98 | 0.90 |
| rs73352332 | 105322256 | A | G | 0.04 | 0.98 | 0.05 | 7.6E-01 | 0 | <0.01 | 0.03 | I/I | 4.5E-01 | 0.96 | 3.3E-01 | 0.95 | 0.95 |
| rs2582555 | 105350235 | C | T | 0.06 | 1.02 | 0.06 | 7.6E-01 | 30.91 | <0.01 | 0.06 | I/I | 9.5E-01 | 1.00 | 7.2E-01 | 1.02 | 0.63 |
| rs4983589 | 105633544 | C | T | 0.37 | 1.01 | 0.02 | 7.6E-01 | 55.9 | <0.01 | 0.33 | I/I | 6.7E-01 | 1.01 | 7.2E-01 | 1.01 | 0.99 |
| rs117746307 | 105463444 | C | G | 0.01 | 1.04 | 0.12 | 7.6E-01 | 21.01 | <0.01 | 0.01 | I/I | 8.8E-01 | 1.02 | 6.2E-01 | 1.06 | 0.61 |
| rs11160836 | 105629584 | G | C | 0.37 | 1.01 | 0.02 | 7.6E-01 | 60.46 | <0.01 | 0.33 | I/I | 6.6E-01 | 1.01 | 7.2E-01 | 1.01 | 0.99 |
| rs4548807 | 105040988 | A | G | 0.15 | 0.99 | 0.03 | 7.6E-01 | 0 | <0.01 | 0.16 | G*/I | 7.1E-01 | 0.99 | 5.7E-01 | 0.98 | 0.90 |
| rs35667106 | 104753324 | A | G | 0.39 | 1.01 | 0.03 | 7.6E-01 | 0 | <0.01 | 0.42 | I/I | 7.1E-01 | 1.01 | 8.1E-01 | 1.01 | 0.65 |
| rs4077378 | 105023512 | C | T | 0.18 | 1.01 | 0.03 | 7.6E-01 | 0 | <0.01 | 0.19 | G*/I | 8.1E-01 | 1.01 | 9.6E-01 | 1.00 | 0.93 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs11160835 | 105587644 | T | C | 0.24 | 0.99 | 0.03 | 7.6E-01 | 0 | <0.01 | 0.26 | G*/I | 6.9E-01 | 0.99 | 5.8E-01 | 0.98 | 0.88 |
| rs8016091 | 104807712 | A | G | 0.14 | 0.99 | 0.03 | 7.6E-01 | 0 | <0.01 | 0.14 | G/G | 7.0E-01 | 0.99 | 6.6E-01 | 0.99 | 1.00 |
| rs73350360 | 105279798 | A | G | 0.04 | 0.98 | 0.06 | 7.6E-01 | 0 | <0.01 | 0.03 | I/I | 3.5E-01 | 0.94 | 2.8E-01 | 0.93 | 0.72 |
| rs1882845 | 105631363 | T | C | 0.37 | 1.01 | 0.02 | 7.6E-01 | 59.19 | <0.01 | 0.33 | I/I | 6.7E-01 | 1.01 | 7.3E-01 | 1.01 | 0.99 |
| rs34050645 | 105315119 | T | C | 0.08 | 0.99 | 0.05 | 7.6E-01 | 0 | <0.01 | 0.05 | I/I | 3.6E-01 | 0.96 | 4.8E-01 | 0.97 | 0.69 |
| rs11849605 | 104924936 | G | A | 0.05 | 1.01 | 0.05 | 7.6E-01 | 11.37 | 0.01 | 0.02 | I/I | 6.5E-01 | 1.02 | 6.8E-01 | 1.02 | 0.89 |
| rs34919138 | 105006582 | G | C | 0.30 | 1.01 | 0.02 | 7.6E-01 | 0 | <0.01 | 0.29 | I/I | 8.5E-01 | 1.00 | 9.2E-01 | 1.00 | 0.97 |
| rs12717694 | 105046572 | C | T | 0.12 | 1.01 | 0.04 | 7.7E-01 | 0 | <0.01 | 0.12 | I/I | 9.7E-01 | 1.00 | 9.1E-01 | 1.00 | 0.89 |
| rs7154981 | 105166274 | C | T | 0.41 | 1.01 | 0.02 | 7.7E-01 | 29.95 | <0.01 | 0.39 | I/I | 1.2E-01 | 0.96 | 5.5E-01 | 0.99 | 0.92 |
| rs3784238 | 105629987 | A | G | 0.37 | 1.01 | 0.02 | 7.7E-01 | 60.36 | <0.01 | 0.33 | I/I | 6.7E-01 | 1.01 | 7.3E-01 | 1.01 | 0.99 |
| rs117121151 | 105321224 | A | G | 0.04 | 1.02 | 0.07 | 7.7E-01 | 66.01 | <0.01 | 0.02 | I/I | 6.9E-01 | 1.03 | 8.2E-01 | 1.02 | 0.50 |
| rs4900628 | 104883986 | G | A | 0.26 | 1.01 | 0.03 | 7.7E-01 | 0 | <0.01 | 0.28 | I/I | 7.7E-01 | 1.01 | 8.3E-01 | 1.01 | 0.91 |
| rs141569398 | 105626149 | T | C | 0.02 | 0.97 | 0.10 | 7.7E-01 | 27.01 | <0.01 | 0.02 | I/I | 7.3E-01 | 0.96 | 8.6E-01 | 0.98 | 0.53 |
| rs116364789 | 105090931 | A | G | 0.03 | 0.97 | 0.09 | 7.7E-01 | 19.85 | <0.01 | 0.04 | I/I | 9.8E-01 | 1.00 | 9.4E-01 | 0.99 | 0.64 |
| rs4613001 | 105499858 | G | A | 0.16 | 1.01 | 0.04 | 7.7E-01 | 28.49 | <0.01 | 0.13 | I/I | 5.7E-01 | 1.02 | 5.1E-01 | 1.03 | 0.50 |
| rs58456730 | 105630001 | A | G | 0.37 | 1.01 | 0.02 | 7.7E-01 | 61.09 | <0.01 | 0.33 | I/I | 6.7E-01 | 1.01 | 7.3E-01 | 1.01 | 0.99 |
| rs66956754 | 105648000 | T | C | 0.40 | 1.01 | 0.02 | 7.7E-01 | 49.63 | <0.01 | 0.38 | I/I | 7.0E-01 | 1.01 | 7.4E-01 | 1.01 | 0.95 |
| rs188588418 | 105218051 | A | G | 0.04 | 1.02 | 0.06 | 7.7E-01 | 0 | <0.01 | 0.03 | I/I | 5.9E-01 | 0.97 | 6.4E-01 | 0.97 | 0.68 |
| rs2278607 | 105420215 | C | T | 0.05 | 1.02 | 0.05 | 7.7E-01 | 54.1 | 0.02 | 0.05 | G*/I | 8.0E-01 | 1.01 | 9.6E-01 | 1.00 | 0.87 |
| rs8009494 | 104885716 | A | C | 0.26 | 1.01 | 0.03 | 7.7E-01 | 6.99 | <0.01 | 0.28 | I/I | 7.8E-01 | 1.01 | 8.3E-01 | 1.01 | 0.89 |
| rs7156076 | 104892153 | G | A | 0.25 | 1.01 | 0.03 | 7.7E-01 | 0 | <0.01 | 0.28 | I/I | 7.5E-01 | 1.01 | 8.1E-01 | 1.01 | 0.86 |
| rs4983581 | 104991291 | A | G | 0.15 | 1.01 | 0.04 | 7.7E-01 | 0 | <0.01 | 0.19 | I/I | 8.5E-01 | 1.01 | 8.8E-01 | 1.01 | 0.81 |
| rs2396458 | 105417768 | A | C | 0.07 | 0.98 | 0.05 | 7.7E-01 | 64.99 | <0.01 | 0.06 | I/I | 7.0E-01 | 0.98 | 5.5E-01 | 0.97 | 0.72 |
| rs4983605 | 105015215 | G | T | 0.11 | 1.01 | 0.04 | 7.7E-01 | 56.41 | <0.01 | 0.10 | I/I | 8.8E-01 | 1.01 | 9.6E-01 | 1.00 | 0.87 |
| rs113499138 | 105012957 | G | A | 0.20 | 1.01 | 0.03 | 7.7E-01 | 35.91 | <0.01 | 0.20 | I/I | 7.4E-01 | 1.01 | 7.4E-01 | 1.01 | 0.87 |
| rs73354355 | 105329462 | T | C | 0.04 | 0.98 | 0.05 | 7.7E-01 | 3.18 | <0.01 | 0.03 | I/I | 4.7E-01 | 0.96 | 3.5E-01 | 0.95 | 0.96 |
| rs193192486 | 105356351 | A | G | 0.08 | 1.02 | 0.06 | 7.7E-01 | 0 | <0.01 | 0.09 | I/I | 8.7E-01 | 1.01 | 6.4E-01 | 1.03 | 0.52 |
| rs74369194 | 105149628 | T | C | 0.10 | 0.99 | 0.05 | 7.7E-01 | 0 | <0.01 | 0.06 | I/I | 5.8E-01 | 0.97 | 2.6E-01 | 0.95 | 0.54 |
| rs2816645 | 105695854 | T | C | 0.48 | 1.01 | 0.03 | 7.7E-01 | 5.83 | <0.01 | 0.49 | I/I | 9.9E-01 | 1.00 | 8.9E-01 | 1.00 | 0.58 |
| rs59832661 | 105330360 | G | A | 0.04 | 0.98 | 0.05 | 7.7E-01 | 3.72 | <0.01 | 0.03 | I/I | 4.7E-01 | 0.96 | 3.5E-01 | 0.95 | 0.96 |
| rs193107475 | 105286998 | G | T | 0.03 | 0.98 | 0.08 | 7.8E-01 | 0 | <0.01 | 0.04 | I/I | 5.8E-01 | 0.96 | 4.8E-01 | 0.95 | 0.76 |
| rs183859335 | 105287004 | G | T | 0.03 | 0.98 | 0.08 | 7.8E-01 | 0 | <0.01 | 0.04 | I/I | 5.8E-01 | 0.96 | 4.8E-01 | 0.95 | 0.76 |
| rs2841229 | 105337525 | G | A | 0.08 | 1.01 | 0.04 | 7.8E-01 | 58.97 | <0.01 | 0.08 | I/I | 8.9E-01 | 0.99 | 6.8E-01 | 0.98 | 0.95 |
| rs7147598 | 105090350 | C | T | 0.17 | 0.99 | 0.03 | 7.8E-01 | 0 | <0.01 | 0.17 | I/I | 5.7E-01 | 0.98 | 7.0E-01 | 0.99 | 0.83 |
| rs78110724 | 105419568 | G | A | 0.05 | 1.02 | 0.06 | 7.8E-01 | 58.93 | 0.02 | 0.05 | I/I | 8.2E-01 | 1.01 | 9.8E-01 | 1.00 | 0.85 |
| rs34836666 | 104978375 | C | G | 0.04 | 0.98 | 0.09 | 7.8E-01 | 0 | <0.01 | 0.04 | I/I | 7.8E-01 | 0.98 | 6.9E-01 | 0.97 | 0.45 |
| rs139313255 | 105337598 | A | G | 0.02 | 1.03 | 0.11 | 7.8E-01 | 0 | <0.01 | 0.02 | I/I | 8.6E-01 | 1.02 | 9.4E-01 | 1.01 | 0.45 |
| rs35757105 | 105629049 | A | T | 0.13 | 0.99 | 0.04 | 7.8E-01 | 68.42 | <0.01 | 0.11 | I/I | 7.6E-01 | 0.99 | 8.5E-01 | 0.99 | 0.71 |
| rs36048730 | 105013031 | A | G | 0.14 | 0.99 | 0.04 | 7.8E-01 | 58.88 | <0.01 | 0.14 | I/I | 8.3E-01 | 0.99 | 6.8E-01 | 0.99 | 0.77 |
| rs61577366 | 104837529 | C | T | 0.40 | 0.99 | 0.03 | 7.8E-01 | 0 | <0.01 | 0.40 | I/I | 7.9E-01 | 0.99 | 7.7E-01 | 0.99 | 0.85 |
| rs76970682 | 104754079 | A | G | 0.14 | 0.99 | 0.04 | 7.8E-01 | 0 | <0.01 | 0.16 | I/I | 8.6E-01 | 0.99 | 8.0E-01 | 0.99 | 0.73 |
| rs4074680 | 104889344 | T | C | 0.26 | 1.01 | 0.03 | 7.8E-01 | 0 | <0.01 | 0.28 | I/I | 7.7E-01 | 1.01 | 8.2E-01 | 1.01 | 0.87 |
| rs76346085 | 104752937 | G | A | 0.07 | 0.99 | 0.05 | 7.8E-01 | 0 | <0.01 | 0.06 | I/I | 8.7E-01 | 0.99 | 8.6E-01 | 0.99 | 0.80 |
| rs11850450 | 104749233 | T | C | 0.12 | 1.01 | 0.04 | 7.8E-01 | 30.67 | <0.01 | 0.15 | I/I | 7.1E-01 | 1.02 | 7.5E-01 | 1.01 | 0.72 |
| rs150949427 | 105128596 | A | C | 0.24 | 1.01 | 0.03 | 7.8E-01 | 40.76 | <0.01 | 0.26 | I/I | 9.7E-01 | 1.00 | 8.6E-01 | 0.99 | 0.79 |
| rs28568425 | 104782761 | T | C | 0.12 | 0.99 | 0.03 | 7.9E-01 | 0 | <0.01 | 0.11 | I/I | 7.7E-01 | 0.99 | 7.5E-01 | 0.99 | 0.95 |
| rs140558927 | 104903159 | T | C | 0.02 | 0.97 | 0.10 | 7.9E-01 | 0 | <0.01 | 0.01 | I/I | 5.5E-01 | 0.94 | 5.7E-01 | 0.94 | 0.48 |
| rs149838113 | 105621363 | A | C | 0.02 | 1.03 | 0.10 | 7.9E-01 | 0 | <0.01 | 0.02 | I/I | 6.3E-01 | 1.05 | 6.8E-01 | 1.04 | 0.81 |
| rs4315289 | 104868223 | G | A | 0.26 | 0.99 | 0.03 | 7.9E-01 | 2.29 | <0.01 | 0.28 | I/I | 7.7E-01 | 0.99 | 7.1E-01 | 0.99 | 0.87 |
| rs35161378 | 105342875 | C | T | 0.04 | 0.99 | 0.05 | 7.9E-01 | 10.06 | <0.01 | 0.03 | I/I | 4.8E-01 | 0.96 | 3.6E-01 | 0.95 | 0.97 |
| rs8007027 | 105003569 | A | G | 0.19 | 0.99 | 0.03 | 7.9E-01 | 0 | <0.01 | 0.18 | I/I | 7.9E-01 | 0.99 | 8.8E-01 | 1.00 | 0.78 |
| rs72713838 | 105091910 | C | T | 0.10 | 1.01 | 0.04 | 7.9E-01 | 61.3 | <0.01 | 0.10 | I/I | 7.8E-01 | 1.01 | 8.5E-01 | 1.01 | 0.69 |
| rs10135144 | 105005316 | T | C | 0.14 | 0.99 | 0.04 | 7.9E-01 | 0 | <0.01 | 0.13 | I/I | 8.7E-01 | 0.99 | 7.7E-01 | 0.99 | 0.75 |
| rs72700152 | 105335630 | A | G | 0.03 | 1.02 | 0.06 | 7.9E-01 | 0 | <0.01 | 0.05 | I/I | 9.8E-01 | 1.00 | 9.0E-01 | 0.99 | 0.91 |
| rs9788622 | 104868852 | T | C | 0.25 | 0.99 | 0.03 | 7.9E-01 | 0 | <0.01 | 0.28 | I/I | 7.7E-01 | 0.99 | 7.1E-01 | 0.99 | 0.88 |
| rs72713824 | 105063116 | G | C | 0.02 | 0.97 | 0.10 | 7.9E-01 | 52.69 | <0.01 | 0.01 | I/I | 4.6E-01 | 0.93 | 3.6E-01 | 0.91 | 0.71 |
| rs8009325 | 104866482 | G | A | 0.24 | 0.99 | 0.03 | 7.9E-01 | 0 | <0.01 | 0.26 | I/I | 7.7E-01 | 0.99 | 7.5E-01 | 0.99 | 0.81 |
| rs8007092 | 105003754 | T | C | 0.19 | 0.99 | 0.03 | 7.9E-01 | 0 | <0.01 | 0.18 | I/I | 7.9E-01 | 0.99 | 8.9E-01 | 1.00 | 0.78 |
| rs8007108 | 105003797 | G | C | 0.19 | 0.99 | 0.03 | 7.9E-01 | 0 | <0.01 | 0.18 | I/I | 7.9E-01 | 0.99 | 8.9E-01 | 1.00 | 0.78 |
| rs4614661 | 104750712 | A | C | 0.14 | 1.01 | 0.04 | 7.9E-01 | 21.36 | <0.01 | 0.16 | I/I | 7.2E-01 | 1.01 | 7.6E-01 | 1.01 | 0.78 |
| rs10132768 | 104753863 | C | T | 0.41 | 1.01 | 0.03 | 7.9E-01 | 0 | <0.01 | 0.44 | I/I | 7.2E-01 | 1.01 | 8.2E-01 | 1.01 | 0.65 |
| rs6576024 | 104777091 | G | T | 0.13 | 0.99 | 0.03 | 7.9E-01 | 0 | <0.01 | 0.11 | I/I | 7.8E-01 | 0.99 | 7.7E-01 | 0.99 | 0.94 |
| rs72718104 | 105291446 | T | C | 0.03 | 0.98 | 0.08 | 7.9E-01 | 0 | <0.01 | 0.04 | I/I | 5.9E-01 | 0.96 | 5.0E-01 | 0.95 | 0.77 |
| rs8003959 | 104777165 | C | T | 0.13 | 0.99 | 0.03 | 7.9E-01 | 0 | <0.01 | 0.11 | I/I | 7.8E-01 | 0.99 | 7.7E-01 | 0.99 | 0.94 |
| rs4074681 | 104889349 | A | G | 0.24 | 0.99 | 0.03 | 7.9E-01 | 0 | <0.01 | 0.26 | I/I | 8.3E-01 | 0.99 | 7.8E-01 | 0.99 | 0.85 |
| rs7150468 | 105335878 | C | T | 0.04 | 0.99 | 0.05 | 7.9E-01 | 13.48 | <0.01 | 0.03 | G*/I | 4.8E-01 | 0.96 | 3.6E-01 | 0.95 | 0.97 |
| rs3784230 | 105679055 | G | A | 0.39 | 1.01 | 0.02 | 7.9E-01 | 0 | <0.01 | 0.42 | G/G | 8.1E-01 | 1.01 | 8.5E-01 | 1.00 | 1.00 |
| rs72713894 | 105151165 | C | T | 0.10 | 1.01 | 0.04 | 7.9E-01 | 40.55 | 0.08 | 0.15 | I/I | 3.8E-01 | 0.96 | 2.4E-01 | 0.95 | 0.73 |
| rs4243750 | 104884293 | T | C | 0.25 | 1.01 | 0.03 | 7.9E-01 | 0 | <0.01 | 0.28 | I/I | 7.9E-01 | 1.01 | 8.5E-01 | 1.01 | 0.91 |
| rs61071258 | 105344142 | A | G | 0.04 | 0.99 | 0.05 | 7.9E-01 | 7.76 | <0.01 | 0.03 | I/I | 4.9E-01 | 0.96 | 3.6E-01 | 0.95 | 0.97 |
| rs188776055 | 105412152 | C | T | 0.03 | 0.98 | 0.09 | 7.9E-01 | 26 | <0.01 | 0.05 | I/I | 8.0E-01 | 0.98 | 7.3E-01 | 0.97 | 0.45 |
| rs72706010 | 104805822 | A | G | 0.05 | 0.98 | 0.06 | 7.9E-01 | 25.73 | <0.01 | 0.06 | I/I | 7.0E-01 | 0.98 | 6.6E-01 | 0.97 | 0.83 |
| rs118099886 | 104905956 | G | A | 0.02 | 0.97 | 0.10 | 7.9E-01 | 0 | <0.01 | 0.01 | I/I | 5.6E-01 | 0.94 | 5.7E-01 | 0.94 | 0.48 |
| rs9671428 | 104985344 | C | T | 0.48 | 1.01 | 0.03 | 8.0E-01 | 50.29 | <0.01 | 0.49 | I/I | 9.0E-01 | 1.00 | 7.6E-01 | 1.01 | 0.86 |
| rs147528298 | 105626327 | T | C | 0.05 | 1.02 | 0.07 | 8.0E-01 | 41.26 | <0.01 | 0.05 | I/I | 8.0E-01 | 1.02 | 9.2E-01 | 1.01 | 0.59 |
| rs76372141 | 105189842 | T | C | 0.02 | 0.98 | 0.08 | 8.0E-01 | 70.61 | 0.01 | 0.02 | I/I | 5.8E-01 | 1.04 | 8.3E-01 | 1.02 | 0.86 |
| rs72700150 | 105335520 | A | G | 0.03 | 1.02 | 0.06 | 8.0E-01 | 0 | <0.01 | 0.05 | I/I | 9.9E-01 | 1.00 | 8.9E-01 | 0.99 | 0.91 |
| rs61997112 | 104790501 | C | A | 0.09 | 1.01 | 0.04 | 8.0E-01 | 0 | <0.01 | 0.11 | I/I | 7.9E-01 | 1.01 | 8.2E-01 | 1.01 | 0.87 |
| rs45577935 | 105349186 | C | G | 0.04 | 1.01 | 0.06 | 8.0E-01 | 0 | <0.01 | 0.02 | I/I | 8.5E-01 | 0.99 | 6.8E-01 | 0.98 | 0.93 |
| rs4077377 | 105023587 | G | C | 0.18 | 1.01 | 0.03 | 8.0E-01 | 0 | <0.01 | 0.19 | I/I | 8.5E-01 | 1.01 | 9.3E-01 | 1.00 | 0.93 |
| rs12147802 | 105538843 | G | A | 0.20 | 0.99 | 0.03 | 8.0E-01 | 0 | <0.01 | 0.20 | G*/I | 8.4E-01 | 0.99 | 9.4E-01 | 1.00 | 0.94 |
| rs2919626 | 105371845 | G | A | 0.11 | 1.01 | 0.04 | 8.0E-01 | 0 | <0.01 | 0.06 | I/I | 9.2E-01 | 1.00 | 6.5E-01 | 0.98 | 0.71 |
| rs141957261 | 105281856 | T | G | 0.03 | 0.98 | 0.08 | 8.0E-01 | 0 | <0.01 | 0.04 | I/I | 6.2E-01 | 0.96 | 5.1E-01 | 0.95 | 0.75 |
| rs78840996 | 105037510 | A | G | 0.13 | 0.99 | 0.04 | 8.0E-01 | 0 | <0.01 | 0.16 | I/I | 8.4E-01 | 0.99 | 6.5E-01 | 0.98 | 0.86 |
| rs4983572 | 105511845 | T | A | 0.06 | 0.99 | 0.04 | 8.0E-01 | 54.86 | 0.01 | 0.07 | I/I | 8.8E-01 | 0.99 | 8.4E-01 | 0.99 | 0.91 |
| rs141825739 | 105653158 | A | G | 0.11 | 1.01 | 0.05 | 8.0E-01 | 14.31 | <0.01 | 0.08 | I/I | 8.8E-01 | 1.01 | 9.5E-01 | 1.00 | 0.58 |
| rs12892674 | 104864355 | G | A | 0.39 | 0.99 | 0.02 | 8.0E-01 | 0 | <0.01 | 0.40 | I/I | 8.1E-01 | 0.99 | 8.0E-01 | 0.99 | 0.94 |
| rs75987633 | 104788056 | T | C | 0.05 | 0.99 | 0.05 | 8.1E-01 | 0 | 0.01 | 0.05 | I/I | 8.8E-01 | 0.99 | 8.2E-01 | 0.99 | 0.86 |
| rs8016055 | 105001990 | G | A | 0.28 | 1.01 | 0.03 | 8.1E-01 | 0 | <0.01 | 0.29 | I/I | 8.9E-01 | 1.00 | 1.0E+00 | 1.00 | 0.55 |
| rs61997106 | 104776043 | T | C | 0.09 | 1.01 | 0.04 | 8.1E-01 | 0 | <0.01 | 0.12 | I/I | 7.9E-01 | 1.01 | 8.3E-01 | 1.01 | 0.84 |
| rs3784239 | 105629947 | T | C | 0.38 | 1.01 | 0.02 | 8.1E-01 | 67.77 | <0.01 | 0.34 | I/I | 7.2E-01 | 1.01 | 7.9E-01 | 1.01 | 0.97 |
| rs4343210 | 104872144 | G | A | 0.25 | 0.99 | 0.03 | 8.1E-01 | 0 | <0.01 | 0.28 | I/I | 7.8E-01 | 0.99 | 7.3E-01 | 0.99 | 0.90 |
| rs10138859 | 105434057 | C | T | 0.07 | 0.99 | 0.05 | 8.1E-01 | 50.95 | 0.02 | 0.05 | I/I | 7.2E-01 | 0.98 | 5.7E-01 | 0.97 | 0.80 |
| rs8009299 | 105007596 | T | A | 0.30 | 1.01 | 0.02 | 8.1E-01 | 0 | <0.01 | 0.29 | I/I | 8.9E-01 | 1.00 | 9.6E-01 | 1.00 | 0.99 |
| rs75009572 | 104922404 | T | A | 0.05 | 1.01 | 0.05 | 8.1E-01 | 11.72 | 0.01 | 0.02 | I/I | 7.0E-01 | 1.02 | 7.2E-01 | 1.02 | 0.89 |
| rs6576050 | 105012010 | C | T | 0.31 | 1.01 | 0.02 | 8.1E-01 | 15.07 | <0.01 | 0.29 | I/I | 9.0E-01 | 1.00 | 9.6E-01 | 1.00 | 0.97 |
| rs4983621 | 105024991 | G | T | 0.18 | 1.01 | 0.03 | 8.1E-01 | 0 | <0.01 | 0.19 | I/I | 8.6E-01 | 1.01 | 9.2E-01 | 1.00 | 0.92 |
| rs28729119 | 105123946 | A | G | 0.26 | 1.01 | 0.03 | 8.1E-01 | 38.09 | <0.01 | 0.30 | I/I | 9.1E-01 | 1.00 | 9.0E-01 | 1.00 | 0.81 |
| rs67232936 | 105645187 | A | T | 0.15 | 1.01 | 0.04 | 8.1E-01 | 60.42 | <0.01 | 0.12 | I/I | 7.4E-01 | 1.01 | 8.1E-01 | 1.01 | 0.74 |
| rs35486353 | 105683297 | C | G | 0.02 | 0.98 | 0.09 | 8.1E-01 | 0 | <0.01 | 0.02 | I/I | 9.7E-01 | 1.00 | 9.6E-01 | 0.99 | 0.60 |
| rs78277917 | 105355072 | A | G | 0.06 | 1.01 | 0.06 | 8.1E-01 | 0 | <0.01 | 0.07 | I/I | 9.0E-01 | 1.01 | 5.6E-01 | 1.03 | 0.55 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs4995549 | 104992534 | G | A | 0.46 | 1.01 | 0.03 | 8.1E-01 | 55.84 | <0.01 | 0.49 | I/I | 8.8E-01 | 1.00 | 8.1E-01 | 1.01 | 0.72 |
| rs72704061 | 104751433 | G | A | 0.22 | 0.99 | 0.03 | 8.1E-01 | 0 | <0.01 | 0.25 | I/I | 8.1E-01 | 0.99 | 7.4E-01 | 0.99 | 0.68 |
| rs74090046 | 105280434 | C | G | 0.04 | 0.99 | 0.06 | 8.2E-01 | 0 | <0.01 | 0.03 | I/I | 3.9E-01 | 0.95 | 3.1E-01 | 0.94 | 0.72 |
| rs182223240 | 105321496 | T | A | 0.06 | 0.99 | 0.06 | 8.2E-01 | 39.11 | <0.01 | 0.05 | I/I | 7.3E-01 | 1.02 | 9.3E-01 | 0.99 | 0.46 |
| rs11160807 | 104886839 | T | C | 0.25 | 1.01 | 0.03 | 8.2E-01 | 0 | <0.01 | 0.28 | I/I | 8.1E-01 | 1.01 | 8.7E-01 | 1.00 | 0.89 |
| rs3935005 | 104750896 | A | G | 0.15 | 1.01 | 0.04 | 8.2E-01 | 36.79 | <0.01 | 0.16 | I/I | 7.6E-01 | 1.01 | 8.0E-01 | 1.01 | 0.77 |
| rs4983395 | 104976835 | A | G | 0.35 | 1.01 | 0.03 | 8.2E-01 | 70.81 | <0.01 | 0.26 | I/I | 1.0E+00 | 1.00 | 8.7E-01 | 1.00 | 0.87 |
| rs2239285 | 105630465 | A | G | 0.36 | 1.00 | 0.02 | 8.2E-01 | 60.98 | <0.01 | 0.32 | I/I | 7.3E-01 | 1.01 | 7.9E-01 | 1.01 | 0.99 |
| rs112069240 | 105281252 | A | G | 0.04 | 0.99 | 0.06 | 8.2E-01 | 0 | <0.01 | 0.03 | I/I | 3.9E-01 | 0.95 | 3.1E-01 | 0.94 | 0.73 |
| rs10142660 | 105225620 | T | G | 0.13 | 0.99 | 0.03 | 8.2E-01 | 0 | 0.03 | 0.08 | I/I | 5.1E-02 | 0.94 | 5.8E-01 | 1.02 | 0.92 |
| rs28434197 | 105014973 | T | C | 0.11 | 1.01 | 0.04 | 8.2E-01 | 58.14 | <0.01 | 0.09 | I/I | 9.3E-01 | 1.00 | 9.7E-01 | 1.00 | 0.90 |
| rs6576049 | 105011827 | G | A | 0.31 | 1.01 | 0.02 | 8.2E-01 | 15.38 | <0.01 | 0.29 | I/I | 9.1E-01 | 1.00 | 9.8E-01 | 1.00 | 0.97 |
| rs117150628 | 104754978 | A | G | 0.03 | 1.01 | 0.06 | 8.2E-01 | 0 | <0.01 | 0.02 | I/I | 8.0E-01 | 1.02 | 8.4E-01 | 1.01 | 0.86 |
| rs12893121 | 105010877 | C | T | 0.31 | 1.01 | 0.02 | 8.2E-01 | 15.93 | <0.01 | 0.29 | I/I | 9.1E-01 | 1.00 | 9.8E-01 | 1.00 | 0.97 |
| rs35978178 | 104988130 | G | T | 0.48 | 1.01 | 0.03 | 8.2E-01 | 52.37 | <0.01 | 0.48 | I/I | 9.3E-01 | 1.00 | 7.9E-01 | 1.01 | 0.85 |
| rs56232771 | 104839538 | C | T | 0.40 | 0.99 | 0.03 | 8.2E-01 | 0 | <0.01 | 0.41 | I/I | 8.3E-01 | 0.99 | 8.2E-01 | 0.99 | 0.84 |
| rs11628907 | 104861306 | T | A | 0.38 | 1.00 | 0.02 | 8.2E-01 | 0 | <0.01 | 0.40 | I/I | 8.2E-01 | 1.00 | 8.2E-01 | 1.00 | 0.95 |
| rs190358917 | 105541309 | A | G | 0.02 | 0.97 | 0.12 | 8.2E-01 | 0 | <0.01 | 0.01 | I/I | 9.5E-01 | 1.01 | 9.6E-01 | 0.99 | 0.45 |
| rs71421895 | 105416918 | C | T | 0.04 | 0.99 | 0.06 | 8.2E-01 | 0 | <0.01 | 0.06 | I/I | 8.6E-01 | 0.99 | 8.6E-01 | 0.99 | 0.75 |
| rs79719282 | 105282440 | G | A | 0.03 | 0.98 | 0.07 | 8.2E-01 | 0 | <0.01 | 0.04 | I/I | 5.7E-01 | 0.96 | 4.5E-01 | 0.95 | 0.75 |
| rs111292575 | 105671090 | T | C | 0.09 | 0.99 | 0.04 | 8.2E-01 | 12.24 | <0.01 | 0.10 | I/I | 9.0E-01 | 0.99 | 8.7E-01 | 0.99 | 0.85 |
| rs61997155 | 104969888 | C | G | 0.42 | 0.99 | 0.03 | 8.3E-01 | 43.96 | <0.01 | 0.48 | I/I | 7.5E-01 | 0.99 | 7.9E-01 | 0.99 | 0.73 |
| rs147015287 | 105663437 | A | G | 0.04 | 1.02 | 0.07 | 8.3E-01 | 0 | 0.06 | 0.05 | I/I | 7.9E-01 | 1.02 | 7.8E-01 | 1.02 | 0.54 |
| rs58869604 | 105011925 | A | G | 0.10 | 1.01 | 0.04 | 8.3E-01 | 60.53 | <0.01 | 0.09 | I/I | 9.1E-01 | 1.00 | 9.6E-01 | 1.00 | 0.90 |
| rs11625252 | 105449106 | T | C | 0.03 | 1.02 | 0.07 | 8.3E-01 | 0 | <0.01 | 0.02 | I/I | 8.1E-01 | 1.02 | 9.7E-01 | 1.00 | 0.67 |
| rs74246316 | 104796419 | T | G | 0.09 | 1.01 | 0.04 | 8.3E-01 | 0 | <0.01 | 0.11 | I/I | 8.2E-01 | 1.01 | 8.6E-01 | 1.01 | 0.87 |
| rs181484313 | 105314320 | C | T | 0.03 | 1.01 | 0.07 | 8.3E-01 | 0 | <0.01 | 0.04 | I/I | 1.0E+00 | 1.00 | 8.7E-01 | 0.99 | 0.87 |
| rs2819441 | 105418275 | C | T | 0.25 | 0.99 | 0.03 | 8.3E-01 | 0 | <0.01 | 0.19 | I/I | 7.3E-01 | 1.01 | 8.3E-01 | 1.01 | 0.58 |
| rs185500193 | 105685133 | A | G | 0.03 | 0.98 | 0.09 | 8.3E-01 | 49.44 | <0.01 | 0.06 | I/I | 8.6E-01 | 0.98 | 7.9E-01 | 0.98 | 0.63 |
| rs2841214 | 105318415 | C | T | 0.07 | 1.01 | 0.04 | 8.3E-01 | 25.23 | <0.01 | 0.08 | I/I | 6.8E-01 | 0.98 | 5.0E-01 | 0.97 | 0.87 |
| rs45598737 | 105244239 | T | C | 0.09 | 1.01 | 0.04 | 8.3E-01 | 68.51 | 0.02 | 0.08 | I/G | 2.1E-01 | 0.95 | 3.3E-01 | 1.04 | 0.63 |
| rs10137513 | 105503676 | C | T | 0.24 | 1.01 | 0.02 | 8.3E-01 | 0 | <0.01 | 0.23 | I/I | 8.0E-01 | 1.01 | 6.0E-01 | 1.01 | 0.96 |
| rs79493001 | 104916313 | G | T | 0.05 | 1.01 | 0.06 | 8.3E-01 | 25.31 | <0.01 | 0.08 | I/I | 8.5E-01 | 1.01 | 9.1E-01 | 1.01 | 0.76 |
| rs74086909 | 105012733 | T | C | 0.20 | 1.01 | 0.03 | 8.3E-01 | 28.39 | <0.01 | 0.20 | I/I | 8.7E-01 | 1.00 | 8.7E-01 | 1.00 | 0.91 |
| rs11160811 | 105055304 | G | A | 0.38 | 1.01 | 0.03 | 8.4E-01 | 0 | 0.02 | 0.42 | I/I | 7.4E-01 | 1.01 | 8.2E-01 | 1.01 | 0.74 |
| rs61995960 | 105247873 | A | G | 0.02 | 0.98 | 0.10 | 8.4E-01 | 67.06 | <0.01 | 0.02 | I/I | 5.6E-01 | 1.06 | 7.7E-01 | 1.03 | 0.63 |
| rs147245048 | 105129792 | A | G | 0.25 | 1.01 | 0.03 | 8.4E-01 | 39.59 | <0.01 | 0.29 | I/I | 9.0E-01 | 1.00 | 9.2E-01 | 1.00 | 0.80 |
| rs150268207 | 104899420 | C | T | 0.04 | 1.01 | 0.06 | 8.4E-01 | 25.15 | <0.01 | 0.04 | I/I | 6.8E-01 | 1.03 | 7.7E-01 | 1.02 | 0.79 |
| rs151013711 | 105418504 | T | G | 0.04 | 0.99 | 0.07 | 8.4E-01 | 65.53 | 0.02 | 0.04 | I/I | 8.9E-01 | 0.99 | 7.3E-01 | 0.98 | 0.75 |
| rs60468249 | 105154870 | G | C | 0.09 | 0.99 | 0.04 | 8.4E-01 | 25.19 | 0.02 | 0.05 | I/I | 3.9E-01 | 0.96 | 1.5E-01 | 0.94 | 0.79 |
| rs79142507 | 104803418 | C | G | 0.09 | 1.01 | 0.04 | 8.4E-01 | 0 | <0.01 | 0.11 | I/I | 8.3E-01 | 1.01 | 8.3E-01 | 1.01 | 0.86 |
| rs150721062 | 105325831 | T | C | 0.03 | 1.01 | 0.06 | 8.4E-01 | 0 | <0.01 | 0.05 | I/I | 9.7E-01 | 1.00 | 8.5E-01 | 0.99 | 0.89 |
| rs6576034 | 104855819 | C | T | 0.34 | 1.00 | 0.02 | 8.4E-01 | 0 | <0.01 | 0.39 | I/I | 8.8E-01 | 1.00 | 8.8E-01 | 1.00 | 0.99 |
| rs77775909 | 104914543 | A | C | 0.05 | 1.01 | 0.06 | 8.4E-01 | 25.32 | <0.01 | 0.08 | I/I | 8.6E-01 | 1.01 | 9.2E-01 | 1.01 | 0.76 |
| rs12100976 | 105689090 | C | T | 0.16 | 0.99 | 0.03 | 8.4E-01 | 4.06 | <0.01 | 0.14 | I/I | 9.0E-01 | 1.00 | 9.4E-01 | 1.00 | 0.76 |
| rs12147075 | 105556710 | C | T | 0.22 | 0.99 | 0.03 | 8.4E-01 | 79.02 | <0.01 | 0.16 | I/I | 7.9E-01 | 0.99 | 6.5E-01 | 0.99 | 0.88 |
| rs10144266 | 105007656 | G | A | 0.30 | 1.00 | 0.02 | 8.4E-01 | 0 | <0.01 | 0.29 | I/I | 9.3E-01 | 1.00 | 1.0E+00 | 1.00 | 0.99 |
| rs12431565 | 105670991 | G | A | 0.09 | 0.99 | 0.04 | 8.4E-01 | 18.12 | <0.01 | 0.09 | I/I | 9.4E-01 | 1.00 | 9.0E-01 | 0.99 | 0.84 |
| rs8012301 | 104803220 | C | A | 0.14 | 1.01 | 0.03 | 8.4E-01 | 0 | <0.01 | 0.11 | I/I | 9.0E-01 | 1.00 | 9.1E-01 | 1.00 | 0.95 |
| rs8013126 | 104863793 | T | C | 0.36 | 1.00 | 0.02 | 8.4E-01 | 0 | <0.01 | 0.41 | I/I | 8.7E-01 | 1.00 | 8.7E-01 | 1.00 | 0.94 |
| rs56187104 | 105400350 | T | C | 0.06 | 1.01 | 0.06 | 8.4E-01 | 0 | <0.01 | 0.03 | I/I | 9.1E-01 | 1.01 | 8.7E-01 | 0.99 | 0.55 |
| rs28661507 | 105145372 | T | C | 0.23 | 1.01 | 0.03 | 8.4E-01 | 0 | 0.02 | 0.27 | I/I | 9.8E-01 | 1.00 | 8.3E-01 | 0.99 | 0.77 |
| rs10135542 | 104798366 | T | C | 0.13 | 0.99 | 0.03 | 8.5E-01 | 0 | <0.01 | 0.11 | I/I | 8.0E-01 | 0.99 | 7.9E-01 | 0.99 | 0.98 |
| rs7156695 | 104855565 | C | T | 0.34 | 1.00 | 0.02 | 8.5E-01 | 0 | <0.01 | 0.39 | I/I | 8.9E-01 | 1.00 | 8.9E-01 | 1.00 | 0.99 |
| rs75756037 | 104913703 | T | C | 0.05 | 1.01 | 0.06 | 8.5E-01 | 25.38 | <0.01 | 0.08 | I/I | 8.6E-01 | 1.01 | 9.3E-01 | 1.01 | 0.76 |
| rs189474505 | 105400366 | C | G | 0.14 | 1.01 | 0.04 | 8.5E-01 | 66.26 | <0.01 | 0.14 | I/I | 6.2E-01 | 1.02 | 7.2E-01 | 1.02 | 0.49 |
| rs182614905 | 105267069 | T | C | 0.06 | 1.01 | 0.05 | 8.5E-01 | 61.96 | <0.01 | 0.04 | I/I | 8.3E-01 | 1.01 | 9.0E-01 | 1.01 | 0.57 |
| rs2816644 | 105691474 | C | T | 0.27 | 0.99 | 0.03 | 8.5E-01 | 58.17 | 0.02 | 0.28 | I/I | 8.7E-01 | 1.00 | 1.0E+00 | 1.00 | 0.70 |
| rs34453164 | 105012253 | A | G | 0.11 | 1.01 | 0.04 | 8.5E-01 | 57.47 | <0.01 | 0.09 | I/I | 9.5E-01 | 1.00 | 9.4E-01 | 1.00 | 0.91 |
| rs11850969 | 104855203 | T | G | 0.35 | 1.00 | 0.02 | 8.5E-01 | 0 | <0.01 | 0.39 | I/I | 9.0E-01 | 1.00 | 9.0E-01 | 1.00 | 0.98 |
| rs7151377 | 105471886 | T | C | 0.45 | 1.00 | 0.02 | 8.5E-01 | 0 | <0.01 | 0.43 | I/I | 6.3E-01 | 1.01 | 3.9E-01 | 1.02 | 0.81 |
| rs12883404 | 105012423 | C | T | 0.31 | 1.00 | 0.02 | 8.5E-01 | 10.71 | <0.01 | 0.29 | I/I | 9.3E-01 | 1.00 | 9.9E-01 | 1.00 | 0.97 |
| rs76828401 | 104921964 | T | C | 0.06 | 1.01 | 0.05 | 8.5E-01 | 12.66 | 0.01 | 0.02 | I/I | 7.4E-01 | 1.02 | 7.7E-01 | 1.01 | 0.89 |
| rs12894635 | 104873834 | T | C | 0.25 | 1.00 | 0.03 | 8.5E-01 | 0 | <0.01 | 0.28 | I/I | 8.4E-01 | 0.99 | 7.8E-01 | 0.99 | 0.90 |
| rs8017698 | 105660766 | T | C | 0.42 | 1.01 | 0.03 | 8.6E-01 | 0 | <0.01 | 0.36 | I/I | 8.0E-01 | 1.01 | 9.5E-01 | 1.00 | 0.62 |
| rs74809562 | 105434292 | C | G | 0.03 | 1.01 | 0.07 | 8.6E-01 | 2.4 | <0.01 | 0.03 | I/I | 9.5E-01 | 1.00 | 9.1E-01 | 0.99 | 0.88 |
| rs117725127 | 105286643 | A | G | 0.03 | 0.99 | 0.07 | 8.6E-01 | 0 | <0.01 | 0.04 | I/I | 6.7E-01 | 0.97 | 5.6E-01 | 0.96 | 0.78 |
| rs36050392 | 105012371 | A | G | 0.11 | 1.01 | 0.04 | 8.6E-01 | 55.9 | <0.01 | 0.09 | I/I | 9.5E-01 | 1.00 | 9.4E-01 | 1.00 | 0.91 |
| rs7144106 | 104853395 | C | T | 0.36 | 1.00 | 0.02 | 8.6E-01 | 0 | <0.01 | 0.39 | I/I | 8.9E-01 | 1.00 | 9.0E-01 | 1.00 | 0.96 |
| rs4983599 | 105011436 | A | G | 0.11 | 1.01 | 0.04 | 8.6E-01 | 57.14 | <0.01 | 0.09 | G*/I | 9.6E-01 | 1.00 | 9.3E-01 | 1.00 | 0.92 |
| rs8013389 | 104863792 | T | G | 0.36 | 1.00 | 0.02 | 8.6E-01 | 0 | <0.01 | 0.41 | I/I | 8.9E-01 | 1.00 | 8.9E-01 | 1.00 | 0.94 |
| rs28676628 | 105119073 | C | T | 0.26 | 1.01 | 0.03 | 8.6E-01 | 47.89 | <0.01 | 0.31 | I/I | 9.5E-01 | 1.00 | 8.5E-01 | 0.99 | 0.81 |
| rs11621214 | 104808984 | G | C | 0.12 | 1.01 | 0.03 | 8.6E-01 | 0 | <0.01 | 0.10 | I/I | 9.1E-01 | 1.00 | 9.6E-01 | 1.00 | 0.95 |
| rs12897418 | 105242374 | A | G | 0.12 | 0.99 | 0.03 | 8.6E-01 | 0 | 0.03 | 0.06 | I/G | 5.6E-02 | 0.94 | 5.3E-01 | 1.02 | 0.90 |
| rs2816670 | 105603749 | T | C | 0.12 | 1.01 | 0.03 | 8.6E-01 | 0 | <0.01 | 0.13 | I/I | 9.9E-01 | 1.00 | 8.2E-01 | 1.01 | 0.91 |
| rs72716002 | 105287340 | A | G | 0.03 | 0.99 | 0.07 | 8.6E-01 | 0 | <0.01 | 0.04 | I/I | 6.7E-01 | 0.97 | 5.6E-01 | 0.96 | 0.78 |
| rs147118704 | 105680773 | G | A | 0.05 | 1.01 | 0.07 | 8.6E-01 | 0 | <0.01 | 0.05 | I/I | 9.0E-01 | 1.01 | 8.5E-01 | 1.01 | 0.54 |
| rs72718103 | 105287470 | C | G | 0.03 | 0.99 | 0.07 | 8.6E-01 | 0 | <0.01 | 0.04 | I/I | 6.7E-01 | 0.97 | 5.6E-01 | 0.96 | 0.78 |
| rs4074326 | 104839958 | G | A | 0.40 | 1.00 | 0.03 | 8.6E-01 | 0 | <0.01 | 0.41 | I/I | 8.7E-01 | 1.00 | 8.5E-01 | 1.00 | 0.84 |
| rs4983408 | 105025462 | T | G | 0.31 | 1.00 | 0.02 | 8.6E-01 | 1.39 | <0.01 | 0.29 | I/I | 9.5E-01 | 1.00 | 1.0E+00 | 1.00 | 0.93 |
| rs58381709 | 105011976 | T | C | 0.11 | 1.01 | 0.04 | 8.6E-01 | 57.31 | <0.01 | 0.09 | I/I | 9.6E-01 | 1.00 | 9.3E-01 | 1.00 | 0.91 |
| rs61995987 | 105336853 | A | C | 0.02 | 0.98 | 0.12 | 8.6E-01 | 0 | <0.01 | 0.01 | I/I | 5.7E-01 | 1.07 | 7.9E-01 | 1.03 | 0.50 |
| rs71421871 | 105018836 | A | C | 0.10 | 1.01 | 0.04 | 8.6E-01 | 61.27 | <0.01 | 0.09 | I/I | 9.4E-01 | 1.00 | 9.3E-01 | 1.00 | 0.89 |
| rs77581438 | 104893968 | T | C | 0.02 | 0.98 | 0.10 | 8.6E-01 | 0 | <0.01 | 0.01 | I/I | 6.0E-01 | 0.95 | 6.4E-01 | 0.95 | 0.48 |
| rs10137053 | 104758887 | A | G | 0.15 | 1.01 | 0.03 | 8.6E-01 | 0 | <0.01 | 0.15 | G/G | 8.6E-01 | 1.01 | 8.8E-01 | 1.00 | 1.00 |
| rs187742552 | 105400067 | T | G | 0.10 | 0.99 | 0.05 | 8.6E-01 | 0 | <0.01 | 0.09 | I/I | 9.9E-01 | 1.00 | 7.9E-01 | 0.99 | 0.49 |
| rs28407509 | 104785843 | C | A | 0.24 | 1.00 | 0.03 | 8.7E-01 | 0 | <0.01 | 0.23 | I/I | 9.2E-01 | 1.00 | 9.5E-01 | 1.00 | 0.90 |
| rs4983596 | 105005738 | T | A | 0.31 | 1.00 | 0.02 | 8.7E-01 | 0 | <0.01 | 0.31 | I/I | 9.5E-01 | 1.00 | 9.9E-01 | 1.00 | 0.93 |
| rs59578182 | 105157318 | A | G | 0.10 | 1.01 | 0.04 | 8.7E-01 | 0 | 0.04 | 0.06 | I/I | 5.1E-01 | 0.97 | 2.0E-01 | 0.95 | 0.85 |
| rs12435241 | 105012858 | T | C | 0.11 | 1.01 | 0.04 | 8.7E-01 | 57.84 | <0.01 | 0.09 | I/I | 9.7E-01 | 1.00 | 9.3E-01 | 1.00 | 0.91 |
| rs2816672 | 105604011 | C | T | 0.12 | 1.01 | 0.03 | 8.7E-01 | 0 | <0.01 | 0.13 | I/I | 1.0E+00 | 1.00 | 8.3E-01 | 1.01 | 0.91 |
| rs7153478 | 104876282 | G | A | 0.26 | 1.00 | 0.03 | 8.7E-01 | 0 | <0.01 | 0.28 | I/I | 8.8E-01 | 1.00 | 9.4E-01 | 1.00 | 0.90 |
| rs11629189 | 104887700 | G | T | 0.25 | 1.00 | 0.03 | 8.7E-01 | 0 | <0.01 | 0.29 | I/I | 8.7E-01 | 1.00 | 9.3E-01 | 1.00 | 0.89 |
| rs12895059 | 105221043 | C | T | 0.17 | 1.00 | 0.03 | 8.7E-01 | 0 | 0.07 | 0.12 | I/I | 5.7E-02 | 0.94 | 1.1E-01 | 1.05 | 0.84 |
| rs112839640 | 105510614 | A | G | 0.14 | 1.01 | 0.04 | 8.7E-01 | 42.02 | <0.01 | 0.11 | I/I | 3.4E-01 | 1.04 | 3.0E-01 | 1.04 | 0.57 |
| rs3803318 | 105055359 | C | T | 0.43 | 1.00 | 0.03 | 8.8E-01 | 0 | <0.01 | 0.39 | G*/I | 9.8E-01 | 1.00 | 9.5E-01 | 1.00 | 0.86 |
| rs67605404 | 105343686 | A | G | 0.04 | 1.01 | 0.06 | 8.8E-01 | 0 | <0.01 | 0.05 | I/I | 9.4E-01 | 1.00 | 8.2E-01 | 0.99 | 0.90 |
| rs139465022 | 105188544 | C | T | 0.02 | 1.01 | 0.09 | 8.8E-01 | 38 | 0.05 | 0.03 | I/I | 3.8E-01 | 0.93 | 2.4E-01 | 0.90 | 0.66 |
| rs142311524 | 104880671 | A | G | 0.04 | 0.99 | 0.07 | 8.8E-01 | 0 | <0.01 | 0.04 | I/I | 9.2E-01 | 0.99 | 9.0E-01 | 0.99 | 0.61 |
| rs28658432 | 105014965 | A | T | 0.10 | 1.01 | 0.04 | 8.8E-01 | 63.2 | <0.01 | 0.09 | I/I | 9.7E-01 | 1.00 | 9.1E-01 | 1.00 | 0.89 |
| rs192195795 | 105188459 | G | T | 0.02 | 1.01 | 0.09 | 8.8E-01 | 38.35 | 0.05 | 0.03 | I/I | 3.8E-01 | 0.93 | 2.4E-01 | 0.90 | 0.66 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs111697633 | 105470037 | G | A | 0.03 | 1.01 | 0.08 | 8.8E-01 | 0 | 0.02 | 0.05 | I/I | 9.1E-01 | 1.01 | 9.8E-01 | 1.00 | 0.76 |
| rs11844508 | 105200350 | C | T | 0.12 | 1.00 | 0.03 | 8.8E-01 | 0 | 0.02 | 0.07 | I/I | 7.5E-02 | 0.94 | 4.2E-01 | 1.03 | 0.96 |
| rs8012519 | 104794811 | T | C | 0.13 | 1.00 | 0.03 | 8.8E-01 | 0 | <0.01 | 0.11 | G/G | 8.4E-01 | 0.99 | 8.4E-01 | 0.99 | 1.00 |
| rs10143904 | 105118555 | A | G | 0.26 | 1.00 | 0.03 | 8.8E-01 | 47.85 | <0.01 | 0.31 | I/I | 9.7E-01 | 1.00 | 8.2E-01 | 0.99 | 0.81 |
| rs72704057 | 104748753 | A | G | 0.22 | 1.00 | 0.03 | 8.8E-01 | 0 | <0.01 | 0.25 | I/I | 8.7E-01 | 0.99 | 8.0E-01 | 0.99 | 0.71 |
| rs190986194 | 105417732 | A | G | 0.17 | 0.99 | 0.04 | 8.8E-01 | 0 | 0.03 | 0.14 | I/I | 4.8E-01 | 1.03 | 5.1E-01 | 1.02 | 0.61 |
| rs8009378 | 104850573 | C | G | 0.36 | 1.00 | 0.02 | 8.8E-01 | 0 | <0.01 | 0.36 | I/I | 8.7E-01 | 1.00 | 8.8E-01 | 1.00 | 0.85 |
| rs115130814 | 104791010 | A | G | 0.13 | 1.00 | 0.03 | 8.8E-01 | 0 | <0.01 | 0.11 | I/I | 8.3E-01 | 0.99 | 8.4E-01 | 0.99 | 0.99 |
| rs8023234 | 104856004 | C | T | 0.35 | 1.00 | 0.02 | 8.9E-01 | 0 | <0.01 | 0.39 | I/I | 9.3E-01 | 1.00 | 9.3E-01 | 1.00 | 0.99 |
| rs149069458 | 105328017 | A | G | 0.04 | 0.99 | 0.06 | 8.9E-01 | 6.07 | <0.01 | 0.04 | I/I | 5.5E-01 | 0.97 | 4.1E-01 | 0.95 | 0.94 |
| rs10148105 | 105092087 | A | G | 0.21 | 1.01 | 0.04 | 8.9E-01 | 0 | <0.01 | 0.21 | I/I | 5.8E-01 | 0.98 | 6.3E-01 | 0.98 | 0.57 |
| rs35952476 | 105013056 | A | G | 0.13 | 1.01 | 0.04 | 8.9E-01 | 62.07 | <0.01 | 0.10 | I/I | 9.4E-01 | 1.00 | 8.7E-01 | 0.99 | 0.82 |
| rs76771769 | 105118442 | A | G | 0.26 | 1.00 | 0.03 | 8.9E-01 | 47.57 | <0.01 | 0.31 | I/I | 9.7E-01 | 1.00 | 8.2E-01 | 0.99 | 0.81 |
| rs11848499 | 105626594 | A | G | 0.37 | 1.00 | 0.02 | 8.9E-01 | 51.3 | <0.01 | 0.33 | I/I | 7.7E-01 | 1.01 | 8.4E-01 | 1.00 | 0.98 |
| rs2018404 | 105695446 | T | C | 0.17 | 1.00 | 0.03 | 8.9E-01 | 64.74 | <0.01 | 0.14 | G*/I | 6.0E-01 | 1.02 | 7.3E-01 | 1.01 | 0.86 |
| rs12881146 | 104869315 | A | G | 0.26 | 1.00 | 0.03 | 8.9E-01 | 2.9 | <0.01 | 0.28 | I/I | 8.6E-01 | 1.00 | 8.1E-01 | 0.99 | 0.87 |
| rs72718105 | 105297219 | T | A | 0.03 | 0.99 | 0.07 | 8.9E-01 | 0 | <0.01 | 0.04 | I/I | 7.0E-01 | 0.97 | 5.9E-01 | 0.96 | 0.81 |
| rs34526701 | 104752810 | G | A | 0.22 | 1.00 | 0.03 | 8.9E-01 | 0 | <0.01 | 0.25 | I/I | 8.9E-01 | 1.00 | 8.1E-01 | 0.99 | 0.66 |
| rs3001411 | 105323110 | C | T | 0.03 | 1.01 | 0.06 | 8.9E-01 | 0 | <0.01 | 0.05 | I/I | 9.2E-01 | 0.99 | 7.9E-01 | 0.98 | 0.89 |
| rs6576028 | 104781769 | G | A | 0.23 | 1.00 | 0.03 | 8.9E-01 | 0 | <0.01 | 0.22 | I/I | 9.1E-01 | 1.00 | 9.4E-01 | 1.00 | 0.89 |
| rs45563833 | 105353405 | A | G | 0.04 | 1.01 | 0.05 | 8.9E-01 | 0 | <0.01 | 0.03 | I/I | 7.9E-01 | 0.99 | 6.2E-01 | 0.97 | 0.96 |
| rs55997540 | 105556940 | T | C | 0.16 | 1.00 | 0.03 | 9.0E-01 | 62.8 | <0.01 | 0.13 | I/I | 9.8E-01 | 1.00 | 8.8E-01 | 1.00 | 0.87 |
| rs187869051 | 105278042 | A | G | 0.01 | 0.99 | 0.12 | 9.0E-01 | 66.55 | 0.01 | 0.02 | I/I | 6.1E-01 | 1.06 | 7.8E-01 | 1.03 | 0.69 |
| rs12100742 | 105091664 | C | T | 0.03 | 0.99 | 0.08 | 9.0E-01 | 21.98 | <0.01 | 0.04 | I/I | 9.0E-01 | 1.01 | 9.9E-01 | 1.00 | 0.59 |
| rs11622757 | 105690286 | G | C | 0.06 | 0.99 | 0.06 | 9.0E-01 | 36.39 | <0.01 | 0.04 | I/I | 1.0E+00 | 1.00 | 9.4E-01 | 1.00 | 0.63 |
| rs55880426 | 105134351 | G | A | 0.23 | 1.00 | 0.03 | 9.0E-01 | 18.52 | 0.02 | 0.27 | I/I | 6.9E-01 | 0.99 | 5.7E-01 | 0.98 | 0.81 |
| rs8008557 | 104790133 | T | C | 0.10 | 1.01 | 0.04 | 9.0E-01 | 8.75 | <0.01 | 0.12 | I/I | 9.0E-01 | 1.01 | 9.4E-01 | 1.00 | 0.85 |
| rs7158194 | 105171694 | C | T | 0.31 | 1.00 | 0.02 | 9.0E-01 | 20.14 | <0.01 | 0.34 | I/I | 2.6E-01 | 0.97 | 8.8E-01 | 1.00 | 0.92 |
| rs76127444 | 104796640 | T | G | 0.09 | 1.01 | 0.04 | 9.0E-01 | 0 | <0.01 | 0.11 | I/I | 8.9E-01 | 1.01 | 9.2E-01 | 1.00 | 0.87 |
| rs12431709 | 105695583 | T | C | 0.08 | 1.01 | 0.05 | 9.0E-01 | 57.86 | <0.01 | 0.11 | I/I | 9.7E-01 | 1.00 | 9.2E-01 | 1.01 | 0.60 |
| rs35654509 | 105545105 | G | C | 0.21 | 1.00 | 0.03 | 9.0E-01 | 73.8 | <0.01 | 0.18 | I/I | 9.8E-01 | 1.00 | 8.6E-01 | 0.99 | 0.87 |
| rs2582532 | 105392837 | C | T | 0.03 | 1.01 | 0.09 | 9.1E-01 | 20.8 | 0.01 | 0.02 | I/I | 8.9E-01 | 1.01 | 8.2E-01 | 1.02 | 0.67 |
| rs145085091 | 104801233 | A | G | 0.02 | 0.99 | 0.11 | 9.1E-01 | 0 | <0.01 | 0.01 | I/I | 8.1E-01 | 0.97 | 7.7E-01 | 0.97 | 0.56 |
| rs12888736 | 105186870 | C | A | 0.05 | 0.99 | 0.06 | 9.1E-01 | 0 | <0.01 | 0.04 | I/I | 4.1E-01 | 0.95 | 6.9E-01 | 1.03 | 0.58 |
| rs12885522 | 105291919 | A | G | 0.08 | 1.01 | 0.06 | 9.1E-01 | 32.83 | <0.01 | 0.05 | I/I | 6.9E-01 | 1.02 | 9.4E-01 | 1.00 | 0.49 |
| rs4983504 | 104924334 | C | T | 0.06 | 1.01 | 0.05 | 9.1E-01 | 33.91 | 0.01 | 0.02 | I/I | 8.1E-01 | 1.01 | 8.3E-01 | 1.01 | 0.86 |
| rs4399485 | 105591377 | A | G | 0.25 | 1.00 | 0.03 | 9.1E-01 | 0 | <0.01 | 0.25 | G*/I | 8.7E-01 | 1.00 | 9.0E-01 | 1.00 | 0.91 |
| rs4906456 | 104875118 | C | T | 0.26 | 1.00 | 0.03 | 9.1E-01 | 0 | <0.01 | 0.28 | I/I | 9.2E-01 | 1.00 | 9.8E-01 | 1.00 | 0.90 |
| rs4900626 | 104875013 | G | A | 0.26 | 1.00 | 0.03 | 9.1E-01 | 0 | <0.01 | 0.28 | I/I | 9.2E-01 | 1.00 | 9.8E-01 | 1.00 | 0.90 |
| rs139713119 | 105314351 | T | G | 0.03 | 1.01 | 0.07 | 9.1E-01 | 0 | <0.01 | 0.04 | I/I | 9.3E-01 | 0.99 | 8.0E-01 | 0.98 | 0.89 |
| rs28506007 | 105581007 | A | T | 0.23 | 1.00 | 0.03 | 9.1E-01 | 0 | <0.01 | 0.26 | I/I | 9.7E-01 | 1.00 | 9.0E-01 | 1.00 | 0.86 |
| rs28450433 | 105559097 | A | G | 0.22 | 1.00 | 0.03 | 9.1E-01 | 76.9 | <0.01 | 0.19 | I/I | 9.0E-01 | 1.00 | 7.6E-01 | 0.99 | 0.85 |
| rs117085637 | 105398078 | A | G | 0.03 | 0.99 | 0.07 | 9.1E-01 | 0 | <0.01 | 0.02 | I/I | 9.1E-01 | 0.99 | 7.2E-01 | 0.97 | 0.67 |
| rs28607076 | 104801758 | A | T | 0.23 | 1.00 | 0.03 | 9.1E-01 | 0 | <0.01 | 0.22 | I/I | 9.7E-01 | 1.00 | 9.8E-01 | 1.00 | 0.92 |
| rs138923544 | 105119655 | G | T | 0.20 | 1.00 | 0.03 | 9.1E-01 | 54.55 | <0.01 | 0.21 | I/I | 9.7E-01 | 1.00 | 7.3E-01 | 0.99 | 0.69 |
| rs11846175 | 104882739 | C | T | 0.25 | 1.00 | 0.03 | 9.1E-01 | 0 | <0.01 | 0.28 | I/I | 9.2E-01 | 1.00 | 9.8E-01 | 1.00 | 0.91 |
| rs8015599 | 104860564 | G | A | 0.35 | 1.00 | 0.02 | 9.2E-01 | 0 | <0.01 | 0.39 | I/I | 9.5E-01 | 1.00 | 9.6E-01 | 1.00 | 1.00 |
| rs12879592 | 105531342 | A | G | 0.03 | 0.99 | 0.06 | 9.2E-01 | 0 | <0.01 | 0.04 | I/I | 9.6E-01 | 1.00 | 9.6E-01 | 1.00 | 0.85 |
| rs34967457 | 105013361 | C | T | 0.11 | 1.00 | 0.04 | 9.2E-01 | 57.36 | <0.01 | 0.09 | I/I | 9.8E-01 | 1.00 | 8.7E-01 | 0.99 | 0.91 |
| rs34220962 | 105013347 | A | G | 0.11 | 1.00 | 0.04 | 9.2E-01 | 57.36 | <0.01 | 0.09 | I/I | 9.8E-01 | 1.00 | 8.7E-01 | 0.99 | 0.91 |
| rs117922515 | 104884241 | A | G | 0.04 | 0.99 | 0.07 | 9.2E-01 | 0 | <0.01 | 0.05 | I/I | 9.4E-01 | 1.00 | 9.2E-01 | 0.99 | 0.63 |
| rs34785484 | 105013169 | C | T | 0.11 | 1.00 | 0.04 | 9.2E-01 | 57.36 | <0.01 | 0.09 | I/I | 9.8E-01 | 1.00 | 8.7E-01 | 0.99 | 0.91 |
| rs34677118 | 105013228 | T | C | 0.11 | 1.00 | 0.04 | 9.2E-01 | 57.17 | <0.01 | 0.09 | I/I | 9.8E-01 | 1.00 | 8.7E-01 | 0.99 | 0.91 |
| rs183417494 | 105291933 | A | G | 0.08 | 0.99 | 0.06 | 9.2E-01 | 0 | <0.01 | 0.07 | I/I | 9.9E-01 | 1.00 | 7.8E-01 | 0.99 | 0.48 |
| rs11620866 | 105582926 | G | C | 0.24 | 1.00 | 0.03 | 9.2E-01 | 0 | <0.01 | 0.25 | I/I | 1.0E+00 | 1.00 | 8.8E-01 | 1.00 | 0.86 |
| rs4983604 | 105015214 | G | C | 0.11 | 1.00 | 0.04 | 9.2E-01 | 57.41 | <0.01 | 0.09 | I/I | 9.7E-01 | 1.00 | 8.7E-01 | 0.99 | 0.90 |
| rs113137338 | 105390782 | G | A | 0.02 | 1.01 | 0.09 | 9.2E-01 | 0 | 0.02 | 0.04 | I/I | 8.4E-01 | 0.98 | 7.7E-01 | 0.97 | 0.68 |
| rs72700128 | 105313463 | G | A | 0.03 | 1.01 | 0.07 | 9.2E-01 | 0 | <0.01 | 0.04 | I/I | 9.2E-01 | 0.99 | 7.9E-01 | 0.98 | 0.89 |
| rs144916387 | 105350133 | T | C | 0.03 | 0.99 | 0.07 | 9.2E-01 | 44.1 | <0.01 | 0.02 | I/I | 9.0E-01 | 0.99 | 7.6E-01 | 0.98 | 0.78 |
| rs118009682 | 105452149 | G | A | 0.03 | 1.01 | 0.09 | 9.2E-01 | 0 | <0.01 | 0.02 | I/I | 8.0E-01 | 1.02 | 9.2E-01 | 1.01 | 0.75 |
| rs8019526 | 104859419 | G | A | 0.35 | 1.00 | 0.02 | 9.3E-01 | 0 | <0.01 | 0.39 | G/G | 9.6E-01 | 1.00 | 9.7E-01 | 1.00 | 1.00 |
| rs75489301 | 105397976 | A | G | 0.02 | 0.99 | 0.09 | 9.3E-01 | 35.75 | <0.01 | 0.02 | I/I | 1.0E+00 | 1.00 | 9.4E-01 | 0.99 | 0.66 |
| rs8020331 | 104859860 | G | A | 0.34 | 1.00 | 0.02 | 9.3E-01 | 0 | <0.01 | 0.38 | I/I | 9.6E-01 | 1.00 | 9.6E-01 | 1.00 | 1.00 |
| rs113463470 | 105317273 | T | C | 0.04 | 1.00 | 0.06 | 9.3E-01 | 0 | <0.01 | 0.04 | I/I | 4.8E-01 | 0.96 | 3.6E-01 | 0.95 | 0.86 |
| rs2816671 | 105603844 | T | A | 0.12 | 1.00 | 0.04 | 9.3E-01 | 0 | <0.01 | 0.12 | I/I | 9.2E-01 | 1.00 | 9.2E-01 | 1.00 | 0.90 |
| rs146999659 | 105298158 | A | C | 0.03 | 0.99 | 0.07 | 9.3E-01 | 0 | <0.01 | 0.04 | I/I | 7.3E-01 | 0.98 | 6.2E-01 | 0.96 | 0.81 |
| rs10141861 | 105298166 | A | G | 0.03 | 1.01 | 0.07 | 9.3E-01 | 0 | <0.01 | 0.04 | I/I | 7.3E-01 | 1.02 | 6.2E-01 | 1.04 | 0.81 |
| rs2582530 | 105391134 | G | A | 0.02 | 0.99 | 0.09 | 9.3E-01 | 45.63 | 0.01 | 0.02 | I/I | 8.6E-01 | 0.98 | 9.1E-01 | 0.99 | 0.66 |
| rs34600691 | 105013854 | A | G | 0.11 | 1.00 | 0.04 | 9.3E-01 | 56.52 | <0.01 | 0.09 | I/I | 8.3E-01 | 0.99 | 7.3E-01 | 0.99 | 0.91 |
| rs59117977 | 105416087 | T | C | 0.02 | 1.01 | 0.10 | 9.3E-01 | 57.57 | 0.01 | 0.02 | I/I | 7.9E-01 | 1.03 | 8.9E-01 | 1.01 | 0.64 |
| rs4332683 | 104888511 | A | G | 0.24 | 1.00 | 0.03 | 9.3E-01 | 15.28 | <0.01 | 0.28 | I/I | 9.3E-01 | 1.00 | 1.0E+00 | 1.00 | 0.88 |
| rs36051245 | 105013869 | A | G | 0.11 | 1.00 | 0.04 | 9.3E-01 | 56.52 | <0.01 | 0.09 | I/I | 8.3E-01 | 0.99 | 7.3E-01 | 0.99 | 0.91 |
| rs11850921 | 104759985 | A | G | 0.05 | 1.00 | 0.05 | 9.3E-01 | 0 | <0.01 | 0.04 | I/I | 8.5E-01 | 1.01 | 8.9E-01 | 1.01 | 0.86 |
| rs7153233 | 104876076 | T | C | 0.25 | 1.00 | 0.03 | 9.3E-01 | 0 | <0.01 | 0.28 | I/I | 9.4E-01 | 1.00 | 1.0E+00 | 1.00 | 0.90 |
| rs80187653 | 105379051 | T | C | 0.04 | 1.00 | 0.05 | 9.3E-01 | 0 | <0.01 | 0.03 | I/I | 7.7E-01 | 0.98 | 6.0E-01 | 0.97 | 0.96 |
| rs57442411 | 105354498 | T | C | 0.04 | 1.00 | 0.05 | 9.3E-01 | 0 | <0.01 | 0.03 | I/I | 7.7E-01 | 0.98 | 6.0E-01 | 0.97 | 0.97 |
| rs2841279 | 105311249 | A | G | 0.03 | 1.01 | 0.07 | 9.3E-01 | 0 | <0.01 | 0.04 | G*/I | 9.1E-01 | 0.99 | 7.8E-01 | 0.98 | 0.88 |
| rs118100422 | 105489558 | A | G | 0.02 | 0.99 | 0.08 | 9.3E-01 | 0 | <0.01 | 0.02 | I/I | 9.0E-01 | 1.01 | 9.4E-01 | 1.01 | 0.77 |
| rs10135875 | 104798785 | T | A | 0.14 | 1.00 | 0.03 | 9.3E-01 | 0 | <0.01 | 0.12 | I/I | 8.8E-01 | 1.00 | 8.8E-01 | 1.00 | 0.98 |
| rs112175047 | 105316244 | A | G | 0.04 | 1.00 | 0.06 | 9.4E-01 | 0 | <0.01 | 0.03 | I/I | 5.8E-01 | 0.97 | 4.4E-01 | 0.96 | 0.86 |
| rs3935916 | 105135400 | A | G | 0.23 | 1.00 | 0.03 | 9.4E-01 | 16.88 | 0.02 | 0.27 | I/I | 7.3E-01 | 0.99 | 5.9E-01 | 0.98 | 0.81 |
| rs4983381 | 105183749 | G | A | 0.14 | 1.00 | 0.03 | 9.4E-01 | 0 | 0.10 | 0.16 | I/I | 7.1E-01 | 1.01 | 2.9E-01 | 1.04 | 0.88 |
| rs3001423 | 105386511 | A | G | 0.02 | 0.99 | 0.09 | 9.4E-01 | 53.1 | 0.01 | 0.02 | I/I | 8.8E-01 | 0.99 | 9.3E-01 | 0.99 | 0.63 |
| rs4983609 | 105019386 | T | C | 0.10 | 1.00 | 0.04 | 9.4E-01 | 61.7 | <0.01 | 0.09 | I/I | 9.8E-01 | 1.00 | 8.5E-01 | 0.99 | 0.89 |
| rs75796463 | 105086574 | C | T | 0.02 | 0.99 | 0.12 | 9.4E-01 | 0 | <0.01 | 0.02 | I/I | 8.0E-01 | 0.97 | 6.7E-01 | 0.95 | 0.60 |
| rs7140497 | 104892963 | G | C | 0.24 | 1.00 | 0.03 | 9.4E-01 | 0 | <0.01 | 0.28 | I/I | 9.5E-01 | 1.00 | 8.9E-01 | 1.00 | 0.85 |
| rs73355743 | 105367875 | A | G | 0.04 | 1.00 | 0.05 | 9.4E-01 | 0 | <0.01 | 0.03 | I/I | 7.7E-01 | 0.99 | 6.1E-01 | 0.97 | 0.97 |
| rs68185009 | 105013966 | C | A | 0.11 | 1.00 | 0.04 | 9.4E-01 | 56.56 | <0.01 | 0.09 | I/I | 8.4E-01 | 0.99 | 7.4E-01 | 0.99 | 0.91 |
| rs139820447 | 105503903 | T | C | 0.01 | 0.99 | 0.14 | 9.4E-01 | 0 | <0.01 | 0.03 | I/I | 6.1E-01 | 0.93 | 5.1E-01 | 0.91 | 0.47 |
| rs73354008 | 104923979 | C | A | 0.06 | 1.00 | 0.05 | 9.4E-01 | 34.54 | 0.01 | 0.02 | I/I | 8.4E-01 | 1.01 | 8.6E-01 | 1.01 | 0.86 |
| rs72715988 | 105271352 | T | C | 0.11 | 1.00 | 0.04 | 9.4E-01 | 0 | 0.05 | 0.12 | I/I | 2.3E-01 | 1.05 | 3.2E-01 | 1.04 | 0.61 |
| rs77248646 | 104748918 | T | C | 0.14 | 1.00 | 0.04 | 9.4E-01 | 20.86 | <0.01 | 0.16 | I/I | 8.6E-01 | 1.01 | 9.1E-01 | 1.00 | 0.80 |
| rs66488742 | 105013930 | G | A | 0.11 | 1.00 | 0.04 | 9.4E-01 | 56.63 | <0.01 | 0.09 | I/I | 8.4E-01 | 0.99 | 7.4E-01 | 0.99 | 0.91 |
| rs117640732 | 104944407 | G | A | 0.02 | 1.01 | 0.10 | 9.4E-01 | 0 | <0.01 | 0.04 | I/I | 9.7E-01 | 1.00 | 9.9E-01 | 1.00 | 0.74 |
| rs12435213 | 105012743 | T | C | 0.10 | 1.00 | 0.04 | 9.4E-01 | 59.97 | <0.01 | 0.09 | I/I | 9.6E-01 | 1.00 | 8.4E-01 | 0.99 | 0.91 |
| rs59952466 | 105015839 | T | C | 0.11 | 1.00 | 0.04 | 9.4E-01 | 55.86 | <0.01 | 0.09 | I/I | 9.5E-01 | 1.00 | 8.4E-01 | 0.99 | 0.90 |
| rs35374053 | 105013366 | T | C | 0.11 | 1.00 | 0.04 | 9.4E-01 | 59.29 | <0.01 | 0.09 | I/I | 9.6E-01 | 1.00 | 8.5E-01 | 0.99 | 0.91 |
| rs182407233 | 105195836 | G | A | 0.03 | 1.01 | 0.09 | 9.4E-01 | 54.08 | 0.05 | 0.02 | I/I | 3.7E-01 | 0.92 | 2.2E-01 | 0.90 | 0.62 |
| rs28656122 | 104796885 | C | T | 0.22 | 1.00 | 0.03 | 9.4E-01 | 0 | <0.01 | 0.22 | I/I | 9.9E-01 | 1.00 | 9.9E-01 | 1.00 | 0.93 |
| rs12882886 | 104884970 | G | A | 0.25 | 1.00 | 0.03 | 9.4E-01 | 0 | <0.01 | 0.28 | G*/I | 9.5E-01 | 1.00 | 9.9E-01 | 1.00 | 0.91 |
| rs141238905 | 105693409 | T | C | 0.02 | 1.01 | 0.11 | 9.4E-01 | 65.14 | <0.01 | 0.02 | I/I | 8.5E-01 | 1.02 | 9.2E-01 | 1.01 | 0.54 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| rs73355745 | 105368291 | A | G | 0.04 | 1.00 | 0.05 | 9.5E-01 | 0 | <0.01 | 0.03 | I/I | 7.7E-01 | 0.99 | 6.1E-01 | 0.97 | 0.97 |
| rs77928971 | 104947399 | T | C | 0.02 | 1.01 | 0.10 | 9.5E-01 | 0 | <0.01 | 0.04 | I/I | 9.8E-01 | 1.00 | 9.9E-01 | 1.00 | 0.74 |
| rs73355749 | 105369645 | T | C | 0.04 | 1.00 | 0.05 | 9.5E-01 | 0 | <0.01 | 0.03 | I/I | 7.7E-01 | 0.99 | 6.1E-01 | 0.97 | 0.97 |
| rs12897807 | 104856497 | T | C | 0.35 | 1.00 | 0.02 | 9.5E-01 | 0 | <0.01 | 0.39 | G/G | 9.9E-01 | 1.00 | 9.9E-01 | 1.00 | 1.00 |
| rs188689698 | 105320712 | T | C | 0.07 | 1.00 | 0.05 | 9.5E-01 | 0 | <0.01 | 0.04 | I/I | 3.8E-01 | 0.95 | 1.0E+00 | 1.00 | 0.52 |
| rs61731617 | 105360127 | A | G | 0.04 | 1.00 | 0.05 | 9.5E-01 | 0 | <0.01 | 0.03 | I/I | 6.7E-01 | 0.98 | 5.2E-01 | 0.97 | 0.97 |
| rs191797181 | 105351233 | T | C | 0.04 | 1.00 | 0.07 | 9.5E-01 | 51.3 | <0.01 | 0.05 | I/I | 9.8E-01 | 1.00 | 8.1E-01 | 0.98 | 0.51 |
| rs73355782 | 105381227 | C | T | 0.04 | 1.00 | 0.05 | 9.5E-01 | 0 | <0.01 | 0.03 | I/I | 7.6E-01 | 0.98 | 6.0E-01 | 0.97 | 0.96 |
| rs8018595 | 104864798 | G | A | 0.35 | 1.00 | 0.02 | 9.5E-01 | 0 | <0.01 | 0.39 | I/I | 9.2E-01 | 1.00 | 9.2E-01 | 1.00 | 1.00 |
| rs192316673 | 105400032 | G | C | 0.03 | 1.00 | 0.08 | 9.5E-01 | 0 | <0.01 | 0.02 | I/I | 8.7E-01 | 0.99 | 7.9E-01 | 0.98 | 0.71 |
| rs76774971 | 105143074 | T | C | 0.22 | 1.00 | 0.03 | 9.5E-01 | 14.08 | 0.02 | 0.26 | I/I | 8.5E-01 | 0.99 | 6.9E-01 | 0.99 | 0.79 |
| rs7154471 | 105086475 | T | C | 0.06 | 1.00 | 0.05 | 9.5E-01 | 61.71 | 0.02 | 0.05 | G*/I | 7.4E-01 | 1.02 | 7.1E-01 | 1.02 | 0.91 |
| rs34793922 | 105014357 | A | C | 0.11 | 1.00 | 0.04 | 9.5E-01 | 57.11 | <0.01 | 0.09 | I/I | 9.5E-01 | 1.00 | 8.4E-01 | 0.99 | 0.91 |
| rs182064838 | 105530006 | T | G | 0.01 | 1.01 | 0.12 | 9.5E-01 | 48.36 | <0.01 | 0.02 | I/I | 8.8E-01 | 0.98 | 8.6E-01 | 0.98 | 0.69 |
| rs34686607 | 105014210 | A | C | 0.11 | 1.00 | 0.04 | 9.5E-01 | 57.11 | <0.01 | 0.09 | I/I | 9.4E-01 | 1.00 | 8.4E-01 | 0.99 | 0.91 |
| rs7148940 | 104973188 | A | T | 0.39 | 1.00 | 0.03 | 9.6E-01 | 39.46 | <0.01 | 0.39 | I/I | 7.9E-01 | 0.99 | 9.3E-01 | 1.00 | 0.68 |
| rs28699424 | 104940967 | A | G | 0.28 | 1.00 | 0.02 | 9.6E-01 | 0 | <0.01 | 0.29 | I/I | 8.9E-01 | 1.00 | 9.9E-01 | 1.00 | 0.93 |
| rs10139247 | 105136852 | G | A | 0.23 | 1.00 | 0.03 | 9.6E-01 | 22.31 | 0.02 | 0.27 | I/I | 7.5E-01 | 0.99 | 6.1E-01 | 0.98 | 0.81 |
| rs111260552 | 105375900 | T | C | 0.04 | 1.00 | 0.05 | 9.6E-01 | 0 | <0.01 | 0.03 | I/I | 7.6E-01 | 0.98 | 6.0E-01 | 0.97 | 0.97 |
| rs12883919 | 105213904 | A | G | 0.11 | 1.00 | 0.03 | 9.6E-01 | 34.16 | <0.01 | 0.08 | I/I | 7.6E-02 | 0.94 | 5.9E-01 | 1.02 | 0.83 |
| rs113784545 | 105376104 | A | G | 0.04 | 1.00 | 0.05 | 9.6E-01 | 0 | <0.01 | 0.03 | I/I | 7.6E-01 | 0.98 | 6.0E-01 | 0.97 | 0.97 |
| rs117723806 | 105385248 | A | G | 0.02 | 0.99 | 0.10 | 9.6E-01 | 0 | 0.01 | 0.02 | I/I | 7.9E-01 | 0.97 | 7.0E-01 | 0.96 | 0.66 |
| rs3784240 | 105623261 | A | G | 0.08 | 1.00 | 0.05 | 9.6E-01 | 67.26 | <0.01 | 0.08 | G*/I | 9.3E-01 | 1.00 | 9.1E-01 | 1.01 | 0.87 |
| rs11849460 | 105007585 | A | G | 0.10 | 1.00 | 0.04 | 9.6E-01 | 60.58 | <0.01 | 0.09 | I/I | 9.5E-01 | 1.00 | 8.3E-01 | 0.99 | 0.89 |
| rs11160817 | 105168414 | T | C | 0.40 | 1.00 | 0.02 | 9.6E-01 | 45.28 | <0.01 | 0.39 | G*/I | 5.5E-02 | 0.95 | 3.4E-01 | 0.98 | 0.92 |
| rs4247039 | 105024514 | A | G | 0.18 | 1.00 | 0.03 | 9.6E-01 | 0 | <0.01 | 0.19 | I/I | 9.9E-01 | 1.00 | 8.2E-01 | 0.99 | 0.89 |
| rs72700126 | 105311723 | G | A | 0.03 | 1.00 | 0.07 | 9.6E-01 | 2.37 | <0.01 | 0.04 | I/I | 7.9E-01 | 0.98 | 6.8E-01 | 0.97 | 0.85 |
| rs8005963 | 104997159 | T | C | 0.18 | 1.00 | 0.03 | 9.6E-01 | 0 | <0.01 | 0.20 | I/I | 9.6E-01 | 1.00 | 9.1E-01 | 1.00 | 0.78 |
| rs78460270 | 104752251 | A | G | 0.22 | 1.00 | 0.03 | 9.6E-01 | 0 | <0.01 | 0.25 | I/I | 9.5E-01 | 1.00 | 8.8E-01 | 1.00 | 0.67 |
| rs4983405 | 105015419 | C | T | 0.11 | 1.00 | 0.04 | 9.6E-01 | 56.66 | <0.01 | 0.09 | I/I | 9.4E-01 | 1.00 | 8.4E-01 | 0.99 | 0.91 |
| rs8018970 | 104864787 | A | G | 0.35 | 1.00 | 0.02 | 9.6E-01 | 0 | <0.01 | 0.39 | I/I | 9.3E-01 | 1.00 | 9.3E-01 | 1.00 | 1.00 |
| rs112794335 | 105378989 | T | A | 0.04 | 1.00 | 0.05 | 9.6E-01 | 0 | <0.01 | 0.03 | I/I | 7.5E-01 | 0.98 | 5.9E-01 | 0.97 | 0.97 |
| rs10220709 | 104761501 | T | C | 0.05 | 1.00 | 0.05 | 9.6E-01 | 0 | <0.01 | 0.04 | I/I | 8.8E-01 | 1.01 | 9.2E-01 | 1.01 | 0.86 |
| rs75111603 | 105076400 | A | G | 0.02 | 1.00 | 0.10 | 9.6E-01 | 39.57 | 0.04 | 0.02 | I/I | 7.1E-01 | 1.04 | 8.4E-01 | 1.02 | 0.72 |
| rs12147310 | 105555223 | T | C | 0.06 | 1.00 | 0.05 | 9.6E-01 | 71.56 | <0.01 | 0.05 | I/I | 9.2E-01 | 1.01 | 9.5E-01 | 1.00 | 0.89 |
| rs12588041 | 104864916 | G | A | 0.41 | 1.00 | 0.02 | 9.6E-01 | 0 | <0.01 | 0.42 | I/I | 9.9E-01 | 1.00 | 9.6E-01 | 1.00 | 0.93 |
| rs55906115 | 105278849 | C | T | 0.34 | 1.00 | 0.03 | 9.6E-01 | 17.99 | 0.07 | 0.35 | I/I | 4.5E-01 | 1.02 | 7.0E-01 | 1.01 | 0.49 |
| rs75466941 | 104937798 | T | C | 0.05 | 1.00 | 0.06 | 9.7E-01 | 25.29 | <0.01 | 0.07 | I/I | 9.8E-01 | 1.00 | 9.5E-01 | 1.00 | 0.77 |
| rs11623953 | 104795152 | C | T | 0.13 | 1.00 | 0.03 | 9.7E-01 | 0 | <0.01 | 0.11 | I/I | 9.1E-01 | 1.00 | 9.1E-01 | 1.00 | 0.99 |
| rs34344768 | 105014626 | C | T | 0.11 | 1.00 | 0.04 | 9.7E-01 | 56.76 | <0.01 | 0.09 | I/I | 9.3E-01 | 1.00 | 8.3E-01 | 0.99 | 0.91 |
| rs147377490 | 105365349 | G | A | 0.02 | 1.00 | 0.12 | 9.7E-01 | 0 | <0.01 | 0.02 | I/I | 7.7E-01 | 1.03 | 8.9E-01 | 1.02 | 0.45 |
| rs3861679 | 105156180 | A | G | 0.06 | 1.00 | 0.05 | 9.7E-01 | 71.88 | <0.01 | 0.05 | I/I | 1.8E-01 | 1.08 | 4.1E-01 | 1.05 | 0.57 |
| rs140821961 | 104767375 | T | C | 0.04 | 1.00 | 0.06 | 9.7E-01 | 0 | <0.01 | 0.04 | I/I | 9.7E-01 | 1.00 | 9.9E-01 | 1.00 | 0.90 |
| rs9888596 | 104778553 | G | A | 0.22 | 1.00 | 0.03 | 9.7E-01 | 0 | <0.01 | 0.22 | I/I | 9.8E-01 | 1.00 | 9.9E-01 | 1.00 | 0.89 |
| rs111798508 | 105121604 | T | A | 0.28 | 1.00 | 0.03 | 9.7E-01 | 0 | <0.01 | 0.33 | I/I | 9.9E-01 | 1.00 | 7.1E-01 | 0.99 | 0.75 |
| rs4983597 | 105006170 | G | A | 0.10 | 1.00 | 0.04 | 9.7E-01 | 60.45 | <0.01 | 0.09 | I/I | 9.4E-01 | 1.00 | 8.2E-01 | 0.99 | 0.87 |
| rs73354395 | 105358629 | T | C | 0.04 | 1.00 | 0.05 | 9.7E-01 | 0 | <0.01 | 0.03 | I/I | 6.9E-01 | 0.98 | 5.3E-01 | 0.97 | 0.96 |
| rs76751100 | 105283873 | G | A | 0.09 | 1.00 | 0.05 | 9.7E-01 | 0 | <0.01 | 0.08 | I/I | 4.2E-01 | 0.96 | 9.8E-01 | 1.00 | 0.56 |
| rs5027824 | 105013419 | A | G | 0.11 | 1.00 | 0.04 | 9.7E-01 | 56.78 | <0.01 | 0.09 | I/I | 8.7E-01 | 0.99 | 7.6E-01 | 0.99 | 0.91 |
| rs142219298 | 105729388 | T | C | 0.03 | 1.00 | 0.08 | 9.7E-01 | 6.42 | <0.01 | 0.02 | I/I | 9.2E-01 | 0.99 | 8.3E-01 | 0.98 | 0.64 |
| rs56134337 | 105265052 | A | G | 0.02 | 1.00 | 0.12 | 9.7E-01 | 0 | <0.01 | 0.01 | I/I | 4.5E-01 | 1.10 | 6.2E-01 | 1.06 | 0.51 |
| rs11621355 | 104862327 | G | C | 0.35 | 1.00 | 0.02 | 9.7E-01 | 0 | <0.01 | 0.39 | I/I | 9.4E-01 | 1.00 | 9.3E-01 | 1.00 | 0.98 |
| rs73354005 | 104922222 | C | T | 0.06 | 1.00 | 0.05 | 9.7E-01 | 36.83 | 0.01 | 0.02 | I/I | 8.7E-01 | 1.01 | 8.9E-01 | 1.01 | 0.86 |
| rs112461551 | 105014970 | G | T | 0.11 | 1.00 | 0.04 | 9.8E-01 | 54.47 | <0.01 | 0.09 | I/I | 9.2E-01 | 1.00 | 8.2E-01 | 0.99 | 0.89 |
| rs35816659 | 105013791 | C | A | 0.11 | 1.00 | 0.04 | 9.8E-01 | 56.82 | <0.01 | 0.09 | I/I | 8.8E-01 | 0.99 | 7.7E-01 | 0.99 | 0.91 |
| rs8003187 | 104865071 | A | G | 0.35 | 1.00 | 0.02 | 9.8E-01 | 0 | <0.01 | 0.39 | G/G | 9.4E-01 | 1.00 | 9.4E-01 | 1.00 | 1.00 |
| rs113728896 | 105134613 | A | G | 0.23 | 1.00 | 0.03 | 9.8E-01 | 22.06 | 0.02 | 0.27 | I/I | 7.7E-01 | 0.99 | 6.3E-01 | 0.98 | 0.81 |
| rs8017378 | 104864003 | T | C | 0.34 | 1.00 | 0.02 | 9.8E-01 | 0 | <0.01 | 0.39 | I/I | 9.4E-01 | 1.00 | 9.4E-01 | 1.00 | 0.99 |
| rs142270903 | 104751382 | T | C | 0.03 | 1.00 | 0.07 | 9.8E-01 | 0 | <0.01 | 0.03 | I/I | 9.9E-01 | 1.00 | 9.5E-01 | 1.00 | 0.74 |
| rs4407001 | 105014063 | T | C | 0.11 | 1.00 | 0.04 | 9.8E-01 | 59.03 | <0.01 | 0.09 | I/I | 9.2E-01 | 1.00 | 8.1E-01 | 0.99 | 0.90 |
| rs1975398 | 105378226 | A | G | 0.04 | 1.00 | 0.05 | 9.8E-01 | 0 | <0.01 | 0.03 | I/I | 7.0E-01 | 0.98 | 5.4E-01 | 0.97 | 0.97 |
| rs28538818 | 105015914 | G | A | 0.11 | 1.00 | 0.04 | 9.8E-01 | 58.02 | <0.01 | 0.09 | I/I | 9.2E-01 | 1.00 | 8.1E-01 | 0.99 | 0.90 |
| rs8017224 | 104863997 | T | A | 0.34 | 1.00 | 0.02 | 9.8E-01 | 0 | <0.01 | 0.39 | I/I | 9.5E-01 | 1.00 | 9.4E-01 | 1.00 | 0.99 |
| rs8003870 | 104893357 | G | C | 0.25 | 1.00 | 0.03 | 9.8E-01 | 0 | <0.01 | 0.28 | I/I | 9.7E-01 | 1.00 | 9.7E-01 | 1.00 | 0.83 |
| rs61323993 | 105348334 | T | C | 0.04 | 1.00 | 0.05 | 9.8E-01 | 0 | <0.01 | 0.03 | I/I | 7.2E-01 | 0.98 | 5.6E-01 | 0.97 | 0.98 |
| rs4128849 | 104992362 | T | A | 0.20 | 1.00 | 0.03 | 9.8E-01 | 0 | <0.01 | 0.21 | I/I | 8.6E-01 | 0.99 | 8.0E-01 | 0.99 | 0.71 |
| rs139798260 | 105300509 | T | C | 0.03 | 1.00 | 0.07 | 9.9E-01 | 0 | <0.01 | 0.03 | I/I | 8.0E-01 | 0.98 | 6.9E-01 | 0.97 | 0.81 |
| rs182149357 | 105241607 | A | G | 0.02 | 1.00 | 0.09 | 9.9E-01 | 32.48 | <0.01 | 0.01 | I/I | 6.0E-01 | 0.96 | 4.9E-01 | 1.06 | 0.63 |
| rs56114826 | 105133054 | A | G | 0.09 | 1.00 | 0.05 | 9.9E-01 | 0 | 0.02 | 0.08 | I/I | 9.0E-01 | 0.99 | 8.9E-01 | 0.99 | 0.68 |
| rs112359070 | 105695324 | A | C | 0.02 | 1.00 | 0.10 | 9.9E-01 | 30.97 | <0.01 | 0.01 | I/I | 9.0E-01 | 1.01 | 9.4E-01 | 1.01 | 0.68 |
| rs34115973 | 105007529 | T | A | 0.10 | 1.00 | 0.04 | 9.9E-01 | 60.35 | <0.01 | 0.09 | I/I | 9.2E-01 | 1.00 | 8.1E-01 | 0.99 | 0.89 |
| rs187103355 | 105626346 | A | C | 0.09 | 1.00 | 0.05 | 9.9E-01 | 0 | <0.01 | 0.08 | I/I | 8.3E-01 | 1.01 | 8.6E-01 | 1.01 | 0.53 |
| rs4983607 | 105015565 | C | T | 0.11 | 1.00 | 0.04 | 9.9E-01 | 56.56 | <0.01 | 0.09 | I/I | 8.9E-01 | 0.99 | 7.8E-01 | 0.99 | 0.91 |
| rs8017207 | 104863967 | G | A | 0.35 | 1.00 | 0.02 | 9.9E-01 | 0 | <0.01 | 0.39 | I/I | 9.5E-01 | 1.00 | 9.5E-01 | 1.00 | 0.99 |
| rs35164057 | 105015662 | G | A | 0.11 | 1.00 | 0.04 | 9.9E-01 | 56.46 | <0.01 | 0.09 | I/I | 8.8E-01 | 0.99 | 7.8E-01 | 0.99 | 0.91 |
| rs181298161 | 105186847 | C | A | 0.08 | 1.00 | 0.06 | 9.9E-01 | 17.84 | <0.01 | 0.10 | I/I | 8.5E-01 | 0.99 | 9.5E-01 | 1.00 | 0.50 |
| rs117157375 | 105056270 | A | G | 0.05 | 1.00 | 0.07 | 9.9E-01 | 48.71 | <0.01 | 0.07 | I/I | 7.0E-01 | 1.03 | 9.1E-01 | 1.01 | 0.58 |
| rs5027825 | 105013488 | A | T | 0.11 | 1.00 | 0.04 | 9.9E-01 | 56.33 | <0.01 | 0.09 | I/I | 8.9E-01 | 0.99 | 7.8E-01 | 0.99 | 0.91 |
| rs77506769 | 105680838 | G | A | 0.42 | 1.00 | 0.02 | 9.9E-01 | 47.11 | <0.01 | 0.46 | I/I | 1.0E+00 | 1.00 | 9.8E-01 | 1.00 | 0.83 |
| rs7148239 | 104785526 | G | A | 0.23 | 1.00 | 0.03 | 9.9E-01 | 0 | <0.01 | 0.22 | I/I | 9.6E-01 | 1.00 | 9.4E-01 | 1.00 | 0.92 |
| rs8013592 | 104863932 | A | G | 0.35 | 1.00 | 0.02 | 9.9E-01 | 0 | <0.01 | 0.39 | I/I | 9.6E-01 | 1.00 | 9.5E-01 | 1.00 | 0.99 |
| rs7160977 | 104780411 | A | C | 0.22 | 1.00 | 0.03 | 9.9E-01 | 0 | <0.01 | 0.22 | I/I | 1.0E+00 | 1.00 | 9.7E-01 | 1.00 | 0.90 |
| rs73355778 | 105379889 | T | C | 0.04 | 1.00 | 0.05 | 9.9E-01 | 0 | <0.01 | 0.03 | I/I | 7.1E-01 | 0.98 | 5.5E-01 | 0.97 | 0.96 |
| rs8012327 | 104863435 | G | A | 0.35 | 1.00 | 0.02 | 9.9E-01 | 0 | <0.01 | 0.39 | I/I | 9.6E-01 | 1.00 | 9.5E-01 | 1.00 | 0.99 |
| rs36116500 | 105015790 | G | A | 0.11 | 1.00 | 0.04 | 9.9E-01 | 56.47 | <0.01 | 0.09 | I/I | 8.9E-01 | 0.99 | 7.9E-01 | 0.99 | 0.91 |
| rs57576904 | 105363207 | A | G | 0.04 | 1.00 | 0.05 | 9.9E-01 | 0 | <0.01 | 0.03 | I/I | 7.2E-01 | 0.98 | 5.6E-01 | 0.97 | 0.96 |
| rs28756902 | 105016040 | G | A | 0.11 | 1.00 | 0.04 | 9.9E-01 | 56.47 | <0.01 | 0.09 | I/I | 8.9E-01 | 1.00 | 7.9E-01 | 0.99 | 0.91 |
| rs4983606 | 105015303 | G | T | 0.11 | 1.00 | 0.04 | 1.0E+00 | 55.99 | <0.01 | 0.09 | I/I | 9.1E-01 | 1.00 | 8.0E-01 | 0.99 | 0.90 |
| rs28419025 | 105016074 | G | A | 0.11 | 1.00 | 0.04 | 1.0E+00 | 56.47 | <0.01 | 0.09 | I/I | 8.9E-01 | 1.00 | 7.9E-01 | 0.99 | 0.91 |
| rs28559773 | 105016132 | G | A | 0.11 | 1.00 | 0.04 | 1.0E+00 | 56.48 | <0.01 | 0.09 | I/I | 8.9E-01 | 1.00 | 7.9E-01 | 0.99 | 0.91 |
| rs7160551 | 104861356 | C | T | 0.34 | 1.00 | 0.02 | 1.0E+00 | 0 | <0.01 | 0.39 | I/I | 9.6E-01 | 1.00 | 9.6E-01 | 1.00 | 0.99 |
| rs8016545 | 104860922 | T | G | 0.34 | 1.00 | 0.02 | 1.0E+00 | 0 | <0.01 | 0.39 | I/I | 9.6E-01 | 1.00 | 9.6E-01 | 1.00 | 0.99 |
| rs28406509 | 105016399 | T | C | 0.11 | 1.00 | 0.04 | 1.0E+00 | 56.48 | <0.01 | 0.09 | I/I | 8.9E-01 | 1.00 | 7.9E-01 | 0.99 | 0.91 |
| rs2819464 | 105391897 | G | T | 0.02 | 1.00 | 0.09 | 1.0E+00 | 42.07 | 0.01 | 0.02 | I/I | 9.2E-01 | 0.99 | 9.8E-01 | 1.00 | 0.66 |
| rs4465541 | 105016847 | G | C | 0.11 | 1.00 | 0.04 | 1.0E+00 | 56.49 | <0.01 | 0.09 | I/I | 9.0E-01 | 1.00 | 7.9E-01 | 0.99 | 0.91 |
| rs67776435 | 105013926 | C | T | 0.11 | 1.00 | 0.04 | 1.0E+00 | 56.78 | <0.01 | 0.09 | I/I | 8.9E-01 | 0.99 | 7.9E-01 | 0.99 | 0.91 |
| rs3936137 | 105017202 | A | G | 0.11 | 1.00 | 0.04 | 1.0E+00 | 56.5 | <0.01 | 0.09 | I/I | 9.0E-01 | 1.00 | 7.9E-01 | 0.99 | 0.91 |
| rs10138873 | 104995937 | T | C | 0.19 | 1.00 | 0.03 | 1.0E+00 | 0 | <0.01 | 0.21 | I/I | 9.2E-01 | 1.00 | 8.7E-01 | 0.99 | 0.77 |
| rs3936136 | 105017392 | C | T | 0.11 | 1.00 | 0.04 | 1.0E+00 | 56.5 | <0.01 | 0.09 | I/I | 9.0E-01 | 1.00 | 7.9E-01 | 0.99 | 0.91 |
| rs5027826 | 105013489 | A | T | 0.11 | 1.00 | 0.04 | 1.0E+00 | 56.67 | <0.01 | 0.09 | I/I | 9.0E-01 | 1.00 | 7.9E-01 | 0.99 | 0.91 |