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## Porphyromonas gingivalis, the beast with two heads

Gabarrini, Giorgio

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# Appendices



# **Appendix I**

## **Supplementary materials of Chapter 3**

## Supplementary materials

### ***Porphyromonas gingivalis* – the venomous bite of an oral pathogen**

Giorgio Gabarrini<sup>1,2</sup>, Stefano Grasso<sup>2</sup>, Arie Jan van Winkelhoff<sup>1,2</sup>, and Jan Maarten van Dijk<sup>2\*</sup>

<sup>1</sup>University of Groningen, University Medical Center Groningen, Center for Dentistry and Oral Hygiene, Groningen, the Netherlands

<sup>2</sup>University of Groningen, University Medical Center Groningen, Department of Medical Microbiology, Hanzeplein 1, P.O. box 30001, 9700 RB Groningen, the Netherlands

**Table S1.** Compendium of known *P. gingivalis* protein localizations based on previous publications.

Protein ID	Protein name	Location	Ref
PGN_0482		OM	53
PG0185	RagA	OM	54
PG0186	RagB	OM	54
PG1803	AtpA	IM	54
PG1804	AtpB	IM	54
PG2167	P51	OM	54
PG2168		OM	54
PG1615	SdhA	IM	54
PG1614	SdhB	IM	54
PG0191	BamA	OM	54
PG0188		OM	54
PG0785	TonB	IM	54
PG1302		IM	54
PG0782	ExbB	IM	54
PG0780	ExbD	IM	54
PG0779	ExbD	IM	54
PG2177	NqrF	IM	54
PG2180	NqrC	IM	54
PG0304	RnfC	IM	54
PG1612	MmdA	IM	54
PG0695	Omp41	OM	54
PG0694	Omp40	OM	54
PG0288	PorK	IM/OM	54
PG0291	PorN	IM/OM	54
PG0026	PorU	OM	54
PG1762	SecD	IM	54
PG1715		OM	54
PG0226		LP	54
PG0707	P92	OM	54
PG2008	P90	OM	54
PG0159	PepO	LP	54
PG0668	IhtA	OM	54
PG0056		IM	54
PG1028	P61	OM	54
PG2055	PyrD	IM	54
PG0094		OM	54
PG1084		LP	54

PG0027	LptO	OM	54
PG0028	LptO	OM	55
PG2157		LP	54
PG0241		LP	54
PG0669	IhtB	OM	54
PGN_1416	pepK	PorSS secreted	56
PG0027	LptO	OM	57
PG0026	PorU	CTD	57
PG1837	HagA	CTD	57
PGN0289	Mfa3	IM + OM (2 versions)	58
PGN0290		OM	58
PGN0291		OM	58
	FimA	OM	59
	53K	OM	59
PG1055	Tpr	OM	61
PG0026	PG26	PorSS secreted	62
PGN_0558	hmuY	OM	63
PGN_0559	hmuR	OM	63
PGN_0319	SigCH	CYT	63
	OMP26	OM	63
	HBP35	OM	63
PG0669	IhtB	OM	63
	HtrE	OM	63
PG0668	IhtA	OM	63
PG1237 - PGN_1373	CdhR	CYT	63
	PorZ	OM	64
PG0026	PorU	OM	64
PG1058		periplasm, anchored to OM	65
	RagB	OM	66
	RagA	OM	66
	OmpA	OM	67
PG0189		OM	68
PG0288	PorK	periplasm, anchored to OM	68
PG0291	PorN	periplasm, anchored to OM	68
PG0289	PorL	periplasm, anchored to IM	68
PG0290	PorM	periplasm, anchored to IM	68
	Mfa5	PorSS secreted	69

	Mfa2	OM	69
PG2226	HusB	OM	70
	HmuR	OM	70
PG0668	IhtA	OM	70
	HmuY	OM	70
PGN_1728 - PGTDC60_1418	Kgp	OM	70
PG2024 - PGTDC60_0300	RgpA	OM	70
PG0506 - PGN_1790 - PGTDC60_1623	RgpB	OM	70
PG1837	HagA	OM	70
PG0616	HBP35	PorSS secreted	70
PG2227	HusA	secreted	70
PG2225	HusC	periplasm	70
PG0670	IhtC	periplasm, anchored to IM	70
PG2224	HusD	IM	70
PG0671	IhtD	IM	70
PG0672	IhtE	IM	70
	TonB	IM	70
	ExbB	IM	70
	ExbD	IM	70
	ABC	IM	70
PG0090	PGDps	CYT	70
	PPIX	CYT	70
PG0751	PorT	OM	70
PGN_0300	Omp17	OM	71
	Tlr	OM	72
	HemR	OM	73
PGN_0274	SigP	CYT	74
PGN_0319	SigCH	CYT	74
PGN_0450		CYT	74
PGN_0970		CYT	74
PGN_1108		CYT	74
PGN_1740	SigH	CYT	74
PG0288	PorK	periplasm, anchored to OM	75
PG0289	PorL	CYT, anchored to IM	75
PG0290	PorM	periplasm, anchored to IM	75
PG0291	PorN	periplasm, anchored to OM	75



PG0287	PorP	OM	75
PG0602	PorQ	OM	75
PG0751	PorT	OM	75
PG0026	PorU	OM	75
PG0027	PorV (PG27,LptO)	OM	75
PG0809	Sov	OM	75
PG0928	PorX	CYT	75
PG0052	PorY	periplasm, anchored to IM	75
PG1058	Lipoprotein; TPRd, WD4od, CRDd, OmpA family domain	periplasm, anchored to OM	75
PG1604	PorZ	OM	75
PG0189	b-barrel protein	OM	75
PG0534	TonB-dependent receptor; b-barrel protein	OM	75
PG0162	sigP	CYT	75
PG0928	PorX	CYT	76
PG0052	PorY	IM	76
PG0289	PorL	IM	76
PG0290	PorM	IM	76
PG0291	PorN	peri	76
PG0288	PorK	OM	76
PG1947	PorW	OM	76
PG1058	Lipoprotein; TPRd, WD4od, CRDd, OmpA family domain	OM	76
PG0809	Sov	OM	76
PG0602	PorQ	OM	76
PG0287	PorP	OM	76
PG0751	PorT	OM	76
PG0027	PorV (PG27,LptO)	OM	76
PG0189	b-barrel protein	OM	76
PG0534	TonB-dependent receptor; b-barrel protein	OM	76
PG0192	Omp17; OmpH-like	OM	76
PG0026	PorU	OM	76
PG1604	PorZ	OM	76
PG0183	Hypothetical lipoprotein	PorSS secreted	76
PG0232	CPG70; zinc carboxypeptidase	PorSS secreted	76
PG0350	Internalin; hypothetical protein; leucine-rich repeats (x8)	PorSS secreted	76
PG0410	Hypothetical gingipain-like peptidase C25	PorSS secreted	76
PG0411	T9SS C-terminal target domain- containing protein	PorSS secreted	76

PG0495	T9SS C-terminal target domain-containing protein	PorSS secreted	76
PG0506	RgpB; arginine specific gingipain B, cysteine protease	PorSS secreted	76
PG0553	PepK; lysine specific serine endopeptidase	PorSS secreted	76
PG0611	Hypothetical protein	PorSS secreted	76
PG0614	Hypothetical protein	PorSS secreted	76
PG0616	HBP35 (hemin binding protein 35)	PorSS secreted	76
PG0626	T9SS C-terminal target domain-containing protein	PorSS secreted	76
PG0654	T9SS C-terminal target domain-containing protein	PorSS secreted	76
PG0769	Fibronectin; hypothetical protein	PorSS secreted	76
PG0787	T9SS C-terminal target domain-containing protein	PorSS secreted	76
PG1030	T9SS C-terminal target domain-containing protein	PorSS secreted	76
PG1326	Hemagglutinin	PorSS secreted	76
PG1374	T9SS C-terminal target domain-containing protein, leucine-rich repeats (x7)	PorSS secreted	76
PG1424	PPAD; peptidylarginine deiminase	PorSS secreted	76
PG1427	Periodontain; peptidase C10; PrtT-related	PorSS secreted	76
PG1548	PrtT; cystein protease (domain peptidase C10)	PorSS secreted	76
PG1604	PorZ; surface B-propeller protein	PorSS secreted	76
PG1795	Hypothetical protein	PorSS secreted	76
PG1798	T9SS C-terminal target domain-containing protein	PorSS secreted	76
PG1837	HagA (hemagglutinin A, 8 HA domains)	PorSS secreted	76
PG1844	Kgp; lysine specific gingipain, cysteine protease	PorSS secreted	76
PG1969	T9SS C-terminal target domain-containing protein	PorSS secreted	76
PG2024	RgpA; arginine specific gingipain A; cysteine protease	PorSS secreted	76
PG2100	T9SS C-terminal target domain-containing protein; TapC	PorSS secreted	76
PG2102	T9SS C-terminal target domain-containing protein; TapA	PorSS secreted	76
PG2172	Hypothetical protein	PorSS secreted	76
PG2198	Hypothetical protein; peptidase	PorSS secreted	76
PG2216	Hypothetical protein	PorSS secreted	76

**Table S2.** List of all Interpro domains used to identify proteins belonging to specific compartments. The inspected Interpro domains are specific for PorSS cargo proteins, outer membrane proteins and inner membrane proteins. The selected domains were preferentially structural rather than functional domains.

PorSS secreted protein domains	OM domains	IM domains
IPR026444	IPR012910	IPR005665
IPR001769	IPR023997	IPR022645
IPR029031	IPR036942	IPR022813
IPR007466	IPR023996	IPR005791
IPR018832	IPR037066	IPR022646
IPR012600	IPR000531	IPR000522
IPR026341	IPR036737	IPR024034
	IPR006664	IPR004100
	IPR011250	IPR019852
	IPR006665	IPR019859
	IPR006690	IPR022720
	IPR008110	IPR022719
	IPR029141	IPR006260
	IPR029140	IPR002898
	IPR011628	IPR010205
	IPR010870	IPR010204
	IPR025665	IPR035568
	IPR036709	IPR001626
	IPR027385	
	IPR030820	
	IPR026377	
	IPR019847	
	IPR024930	
	IPR005632	
	IPR023707	
	IPR003423	
	IPR019866	
	IPR019867	
	IPR019861	

**Table S3.** List of all proteins present in each analyzed strain and their final predicted localization. The compendium of proteins sorted to different subcellular localizations was built based on the bioinformatics pipeline schematically presented in Figure 4.

ATCC 33277		W83		TDC6o		MDS33		MDS14o		512915		2o655	
ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.
B2RJE9	CYT	Q7MWH4	CYT	F5X7E5	CYT	peg.279	CYT	peg.1565	IM TM	peg.557	CYT	peg.1397	CYT
B2RIF1	CYT	Q7MWM5	CYT	F5XD25	IM TM	peg.1041	CYT	peg.1344	CYT	peg.386	CYT	peg.1242	CYT
B2RK2o	CYT	Q7MX15	CYT	F5XAQ6	CYT	peg.191o	CYT	peg.1954	PERI	peg.27	CYT	peg.1895	CYT
B2RLJ4	CYT	Q7MXX4	CYT	F5XBK8	CYT	peg.18o6	CYT	peg.4o1	CYT	peg.1674	CYT	peg.2o1	CYT
B2RM78	CYT	Q7MWK9	CYT	F5XBK6	ECP	peg.535	IM TM	peg.2o35	CYT	peg.2o6	CYT	peg.1669	CYT
B2RL41	CYT	Q7MTM9	CYT	F5XDHo	CYT	peg.2o07	CYT	peg.39	IM TM	peg.869	CYT	peg.1637	ECP
B2RGP4	CYT	Q7MTM4	CYT	F5XCS8	CYT	peg.982	CYT	peg.1o56	CYT	peg.1522	IM LP	peg.1543	PorSS
B2RHD7	CYT	Q7MTL4	ECP	F5XC87	CYT	peg.1o56	CYT	peg.1119	PERI	peg.551	CYT	peg.1123	CYT
B2RJ75	CYT	Q7MXM3	CYT	F5X7E3	CYT	peg.1539	CYT	peg.1o97	CYT	peg.1864	CYT	peg.774	CYT
B2RLY2	CYT	Q7MXW3	CYT	F5X8B6	CYT	peg.1814	CYT	peg.1194	CYT	peg.88	ECP	peg.564	IM TM
B2RLY4	CYT	Q7MX95	CYT	F5XA12	CYT	peg.1864	CYT	peg.3o5	CYT	peg.472	CYT	peg.894	CYT
B2RLX4	CYT	Q7MTN1	CYT	F5XDE6	CYT	peg.14o	CYT	peg.597	CYT	peg.1793	OM	peg.487	CYT
B2RLW9	CYT	Q7MX3o	CYT	F5XDG2	IM TM	peg.1532	CYT	peg.2o24	CYT	peg.2156	CYT	peg.192	CYT
B2RLZ2	ECP	Q7MTL8	CYT	F5XBH7	IM TM	peg.159	CYT	peg.797	IM TM	peg.1837	IM TM	peg.21o8	ECP
B2RLX7	CYT	Q7MTL3	ECP	F5X7N3	CYT	peg.317	IM TM	peg.1353	CYT	peg.16o1	CYT	peg.822	CYT
B2RJN1	CYT	Q7MTP1	CYT	F5X9Z4	CYT	peg.238	CYT	peg.1573	CYT	peg.5	CYT	peg.82o	PERI
B2RL49	ECP	Q7MXK8	CYT	F5X7M3	CYT	peg.167	IM TM	peg.1988	CYT	peg.1283	CYT	peg.1311	IM TM
B2RLX3	ECP	Q7MTJ4	CYT	F5X9G4	CYT	peg.88o	CYT	peg.1546	CYT	peg.1189	CYT	peg.66	CYT
B2RLY5	CYT	Q7MTM1	CYT	F5X8Qo	OM	peg.675	CYT	peg.2o23	IM LP	peg.341	CYT	peg.1462	CYT
B2RLC2	CYT	Q7MTN2	ECP	F5X928	CYT	peg.199	CYT	peg.1367	IM TM	peg.371	IM TM	peg.1718	CYT
B2RLY9	ECP	Q7MX94	ECP	F5XB23	CYT	peg.751	IM TM	peg.1587	CYT	peg.11o6	CYT	peg.864	CYT
B2RL48	CYT	Q7MT5o	CYT	F5X9L8	CYT	peg.1214	PERI	peg.1929	IM TM	peg.1o78	OM LP	peg.1531	ECP
B2RLW4	CYT	Q7MVQ8	CYT	F5XAD3	CYT	peg.77o	CYT	peg.1783	OM LP	peg.217o	IM TM	peg.2o87	CYT
B2RJT7	CYT	Q7MXMo	CYT	F5XAF2	CYT	peg.355	CYT	peg.554	CYT	peg.129	IM TM	peg.832	CYT
B2RJG1	CYT	Q7MXR4	CYT	F5XBH3	IM TM	peg.1338	CYT	peg.179o	CYT	peg.19o8	CYT	peg.146	CYT
B2RI67	CYT	Q7MTB3	CYT	F5XCJ9	OM LP	peg.19	CYT	peg.1136	CYT	peg.55o	IM TM	peg.462	IM LP
B2RLJ5	CYT	Q7MVD7	CYT	F5XAG8	CYT	peg.736	IM TM	peg.12o6	CYT	peg.389	CYT	peg.1211	CYT
B2RHN9	CYT	Q7MVQ5	CYT	F5XB5o	PERI	peg.2o25	CYT	peg.2o4o	CYT	peg.2o03	CYT	peg.841	CYT
B2RHEo	CYT	Q7MUD3	CYT	F5X7Vo	CYT	peg.19o	CYT	peg.915	ECP	peg.681	CYT	peg.186o	CYT
B2RK42	CYT	Q7MXK7	CYT	F5X8D7	CYT	peg.498	OM LP	peg.1326	IM TM	peg.2o29	CYT	peg.1o97	CYT
B2RH81	CYT	Q7MXD5	CYT	F5XD11	CYT	peg.42o	CYT	peg.17o2	CYT	peg.2o38	CYT	peg.964	ECP
B2RJY1	CYT	Q7MXD8	CYT	F5XAJ1	CYT	peg.8o9	CYT	peg.1641	IM TM	peg.1114	CYT	peg.2o54	CYT
B2RIZ3	CYT	Q7MUV7	CYT	F5X7I1	PorSS	peg.1o9	CYT	peg.1355	OM LP	peg.1259	IM TM	peg.11o2	CYT
B2RHF5	CYT	Q7MVE5	CYT	F5X7Q4	CYT	peg.944	OM LP	peg.425	OM LP	peg.1355	CYT	peg.24	CYT
B2RJD6	CYT	Q7MTMo	CYT	F5X7R9	CYT	peg.1297	CYT	peg.7o3	ECP	peg.1618	CYT	peg.1288	IM LP
B2RHM7	CYT	Q7MTF5	CYT	F5XCU4	PERI	peg.46	CYT	peg.15o	PERI	peg.548	IM TM	peg.1329	CYT

B2RKL4	CYT	Q7MXT5	CYT	F5XD41	CYT	peg.624	CYT	peg.1692	ECP	peg.575	PERI	peg.1203	CYT
B2RLX6	CYT	Q7MTM3	CYT	F5XCY5	CYT	peg.901	CYT	peg.1971	CYT	peg.489	CYT	peg.1555	CYT
B2RLY1	CYT	Q7MUX8	CYT	F5X9C8	IM TM	peg.653	CYT	peg.689	CYT	peg.1344	CYT	peg.108	CYT
B2RHF3	CYT	P77925	CYT	F5XBGO	IM TM	peg.1413	OM	peg.1935	IM TM	peg.1334	CYT	peg.99	CYT
B2RGQ9	CYT	Q7MX24	CYT	F5XZB3	OM	peg.579	PorSS	peg.1629	CYT	peg.849	CYT	peg.1497	IM TM
B2RLY7	CYT	Q7MUR5	CYT	F5XAE5	CYT	peg.1301	CYT	peg.1776	OM LP	peg.1165	CYT	peg.1360	IM TM
B2RIG7	CYT	Q7MX31	ECP	F5XD19	CYT	peg.1949	CYT	peg.284	IM TM	peg.1055	IM TM	peg.1421	IM TM
B2RJ07	CYT	Q7MV45	CYT	F5XBHO	CYT	peg.1897	OM LP	peg.815	CYT	peg.2114	IM LP	peg.340	CYT
B2RKT2	CYT	Q7MUW2	CYT	F5XBP5	CYT	peg.1703	CYT	peg.1026	IM TM	peg.486	IM TM	peg.660	OM
B2RID6	CYT	Q7MXE6	CYT	F5X9N9	IM TM	peg.1344	CYT	peg.1074	CYT	peg.2022	CYT	peg.1434	CYT
B2RLW8	CYT	Q7MWU9	CYT	F5XC77	IM TM	peg.965	CYT	peg.260	CYT	peg.1074	CYT	peg.1173	PERI
B2RLX9	CYT	Q7MU19	CYT	F5X877	CYT	peg.97	CYT	peg.1346	CYT	peg.1494	CYT	peg.305	ECP
B2RLX8	CYT	Q7MWS5	CYT	F5XA80	CYT	peg.1693	PERI	peg.1063	CYT	peg.934	CYT	peg.168	CYT
B2RLG7	CYT	Q7MV30	CYT	F5XAS4	CYT	peg.1591	PERI	peg.737	OM	peg.67	CYT	peg.1859	CYT
B2RLZ5	CYT	Q9AGG3	CYT	F5XCS0	CYT	peg.896	IM TM	peg.896	CYT	peg.573	IM TM	peg.600	IM TM
B2RMB4	CYT	Q7MW36	CYT	F5XA72	IM TM	peg.13	IM TM	peg.73	CYT	peg.549	OM LP	peg.498	CYT
B2RII9	CYT	Q7MUZ6	CYT	F5XBFO	IM TM	peg.1572	CYT	peg.824	IM TM	peg.1776	CYT	peg.328	CYT
B2RL45	CYT	Q7MWN0	CYT	F5X8E3	CYT	peg.1145	CYT	peg.1502	CYT	peg.393	CYT	peg.347	CYT
B2RL44	CYT	Q7MX34	CYT	F5X7S3	CYT	peg.832	CYT	peg.1220	CYT	peg.1859	ECP	peg.776	PERI
B2RLZ3	CYT	Q7MV54	CYT	F5X986	IM TM	peg.496	IM TM	peg.1016	CYT	peg.1271	IM TM	peg.924	ECP
B2RH41	ECP	Q7MUF7	CYT	F5X9I9	CYT	peg.742	CYT	peg.906	IM TM	peg.192	PERI	peg.1955	CYT
B2RLY6	CYT	Q7MU04	CYT	F5XC29	CYT	peg.915	PERI	peg.1678	CYT	peg.867	CYT	peg.1773	CYT
B2RLW7	ECP	Q7MT32	CYT	F5XB04	CYT	peg.288	CYT	peg.1496	CYT	peg.2103	ECP	peg.1193	CYT
B2RHI3	CYT	Q7MTR6	CYT	F5XAP4	IM TM	peg.1331	CYT	peg.1379	CYT	peg.1915	CYT	peg.918	PERI
B2RL62	CYT	Q7MT71	CYT	F5X7X3	CYT	peg.1970	CYT	peg.1825	CYT	peg.133	CYT	peg.1758	CYT
B2RLW6	CYT	Q7MVS9	CYT	F5XBV4	CYT	peg.970	OM LP	peg.1820	CYT	peg.1520	CYT	peg.1090	IM TM
B2RIG4	CYT	P25806	CYT	F5XAX3	CYT	peg.1920	CYT	peg.690	CYT	peg.539	IM TM	peg.1667	CYT
B2RLY8	ECP	Q7MTC4	CYT	F5XBQ6	IM TM	peg.1849	CYT	peg.522	CYT	peg.124	CYT	peg.1141	CYT
B2RL63	CYT	Q7MW17	CYT	F5X9L0	IM LP	peg.1463	CYT	peg.931	CYT	peg.2030	CYT	peg.78	CYT
B2RLV5	CYT	Q7MXN7	CYT	F5XBR6	CYT	peg.804	CYT	peg.2014	CYT	peg.1155	CYT	peg.1019	CYT
B2RHC2	CYT	Q7MTK9	CYT	F5X821	CYT	peg.332	CYT	peg.2050	CYT	peg.1786	CYT	peg.907	IM TM
B2RIE4	CYT	Q7MWL2	CYT	F5XC17	IM TM	peg.784	CYT	peg.1742	ECP	peg.1181	CYT	peg.32	CYT
B2RL54	CYT	Q7MTL9	CYT	F5XCG8	CYT	peg.1986	CYT	peg.85	CYT	peg.1931	CYT	peg.967	CYT
B2RIG3	CYT	Q7MTM2	CYT	F5X9N1	CYT	peg.1181	CYT	peg.865	CYT	peg.271	PERI	peg.1477	IM TM
B2RH34	CYT	Q7MTN0	ECP	F5XAK0	ECP	peg.835	CYT	peg.440	CYT	peg.169	CYT	peg.1517	PERI
B2RHK7	CYT	Q7MU43	CYT	F5X7X7	IM TM	peg.685	CYT	peg.1632	CYT	peg.19	CYT	peg.1291	CYT
B2RH32	CYT	Q7MWL3	CYT	F5XCZ1	IM TM	peg.348	PERI	peg.1797	IM TM	peg.1543	PERI	peg.642	ECP
B2RK53	CYT	P59946	CYT	F5XB10	CYT	peg.1759	CYT	peg.666	CYT	peg.42	CYT	peg.252	CYT
B2RHN4	CYT	Q7MV10	CYT	F5X8B3	CYT	peg.1052	IM TM	peg.43	IM TM	peg.1625	CYT	peg.1800	CYT
B2RLM4	CYT	P19665	ECP	F5XCD1	CYT	peg.867	OM LP	peg.1487	CYT	peg.1557	CYT	peg.1199	CYT
B2RLK2	PorSS	Q7MWT5	CYT	F5XAM8	CYT	peg.1004	CYT	peg.1436	CYT	peg.312	CYT	peg.1150	CYT
B2RJJ6	CYT	Q7MTL2	CYT	F5XBB2	CYT	peg.1628	ECP	peg.762	CYT	peg.1017	IM TM	peg.1979	PERI
B2RKK1	CYT	Q7MU16	CYT	F5X809	CYT	peg.1158	OM	peg.921	CYT	peg.1045	CYT	peg.1526	CYT

B2RLJ1	CYT	Q7MX42	CYT	F5XBK5	CYT	peg.1877	CYT	peg.1389	IM TM	peg.1881	IM TM	peg.1302	IM TM
B2RGR2	CYT	Q7MT66	ECP	F5X8R1	CYT	peg.1135	CYT	peg.953	CYT	peg.502	CYT	peg.639	CYT
B2RI92	CYT	Q7MX41	CYT	F5XAV0	CYT	peg.2105	IM TM	peg.961	CYT	peg.1537	CYT	peg.128	CYT
B2RGR5	CYT	Q7MTL0	CYT	F5XC66	IM TM	peg.1771	CYT	peg.1922	CYT	peg.210	CYT	peg.1023	CYT
B2RLA8	CYT	Q7MTM7	CYT	F5XBK9	PERI	peg.1144	IM TM	peg.1267	CYT	peg.523	IM TM	peg.926	CYT
B2RHM9	CYT	Q7MT73	CYT	F5XAV3	CYT	peg.1350	CYT	peg.1850	CYT	peg.248	ECP	peg.2146	CYT
B2RJD7	CYT	Q7MXG0	CYT	F5X7B3	PERI	peg.380	CYT	peg.579	ECP	peg.898	IM TM	peg.837	CYT
B2RH54	OM LP	Q7MW49	CYT	F5XC96	CYT	peg.1097	PERI	peg.124	CYT	peg.788	PorSS	peg.1682	CYT
B2RM92	CYT	Q7MVS7	CYT	F5X8V8	PERI	peg.767	IM TM	peg.1806	CYT	peg.1555	CYT	peg.1796	CYT
B2RIV8	CYT	Q7MT94	CYT	F5X8B9	CYT	peg.1206	CYT	peg.511	OM LP	peg.1681	CYT	peg.700	CYT
B2RGP8	CYT	Q7MW54	CYT	F5X8N5	ECP	peg.116	IM TM	peg.69	IM TM	peg.1651	CYT	peg.555	OM LP
B2RIH0	CYT	Q7MVV7	CYT	F5X8G7	CYT	peg.1244	CYT	peg.1833	ECP	peg.591	IM TM	peg.1834	IM TM
B2RJ15	CYT	Q7MWS7	CYT	F5X9P6	CYT	peg.1014	CYT	peg.545	CYT	peg.927	CYT	peg.788	CYT
B2RJ16	CYT	Q7MW41	IM TM	F5XBB3	CYT	peg.134	CYT	peg.311	CYT	peg.369	IM TM	peg.2021	CYT
B2RHB4	CYT	Q7MT83	CYT	F5X918	OM	peg.711	OM	peg.1279	CYT	peg.351	IM TM	peg.1079	PERI
B2RJM1	CYT	Q7MUB2	CYT	F5X8Z7	IM TM	peg.22	CYT	peg.434	CYT	peg.1483	CYT	peg.879	CYT
B2RIF9	CYT	Q7MUQ9	CYT	F5XAA4	CYT	peg.346	CYT	peg.600	CYT	peg.292	CYT	peg.1792	CYT
B2RJH4	CYT	Q7MXE4	CYT	F5XC33	CYT	peg.1825	CYT	peg.1437	CYT	peg.174	IM TM	peg.627	PERI
B2RHB7	CYT	Q7MTN5	CYT	F5X8W1	PERI	peg.1962	OM	peg.801	CYT	peg.2073	PERI	peg.1823	CYT
B2RLJ9	CYT	Q7MVQ6	CYT	F5X9X3	IM TM	peg.1998	CYT	peg.1400	IM TM	peg.882	CYT	peg.1279	CYT
B2RH58	OM LP	O07827	CYT	F5X8X3	OM	peg.114	CYT	peg.1018	CYT	peg.297	CYT	peg.1572	CYT
B2RH57	OM	Q7MUG4	CYT	F5XD12	CYT	peg.1736	CYT	peg.1004	CYT	peg.774	CYT	peg.1614	CYT
B2RH59	PERI	P59914	OM LP	F5XB90	IM TM	peg.64	ECP	peg.238	CYT	peg.1645	CYT	peg.1318	IM TM
B2RI74	CYT	Q7MUZ8	CYT	F5X7U4	CYT	peg.1469	CYT	peg.1998	IM TM	peg.1841	ECP	peg.548	IM TM
B2RH08	CYT	Q7MUV9	CYT	F5XDF3	CYT	peg.1643	CYT	peg.984	PorSS	peg.1811	CYT	peg.738	CYT
B2RI95	IM TM	Q7MXW0	CYT	F5XC11	OM LP	peg.1193	CYT	peg.1747	CYT	peg.288	CYT	peg.632	CYT
B2RJH1	CYT	Q7MXP1	CYT	F5XCB7	CYT	peg.241	ECP	peg.328	IM LP	peg.680	ECP	peg.1781	PERI
B2RH63	CYT	Q7MWI5	CYT	F5X980	PERI	peg.1777	IM TM	peg.61	CYT	peg.1503	IM TM	peg.715	CYT
B2RL61	CYT	Q7MVT9	CYT	F5X9C1	CYT	peg.1548	CYT	peg.1478	IM TM	peg.1751	CYT	peg.1082	IM TM
B2RL89	CYT	Q7MVU8	CYT	F5X7L2	CYT	peg.846	CYT	peg.645	CYT	peg.1364	CYT	peg.1403	IM TM
B2RIZ0	CYT	Q7MVT7	CYT	F5XCE4	CYT	peg.701	IM TM	peg.777	IM TM	peg.358	CYT	peg.1709	CYT
B2RL52	CYT	Q7MXJ4	CYT	F5X7T7	CYT	peg.1167	CYT	peg.199	CYT	peg.1925	CYT	peg.1012	OM LP
B2RLL7	CYT	Q7MUC6	CYT	F5X7W4	IM TM	peg.475	CYT	peg.211	CYT	peg.2071	CYT	peg.1008	CYT
B2RLJ0	ECP	Q7MWK7	CYT	F5XC11	OM	peg.175	IM TM	peg.278	IM TM	peg.221	CYT	peg.1733	IM TM
B2RKL2	CYT	Q7MXX0	CYT	F5XD72	CYT	peg.375	OM LP	peg.1037	CYT	peg.1242	IM TM	peg.1178	CYT
B2RIT0	PERI	Q7MTW6	CYT	F5XD10	CYT	peg.1838	CYT	peg.1403	CYT	peg.690	IM TM	peg.739	IM TM
B2RKV3	PERI	Q7MVY0	CYT	F5XC95	CYT	peg.1763	unknown	peg.821	CYT	peg.806	CYT	peg.1094	IM TM
B2RM63	CYT	P49008	OM LP	F5X9W5	CYT	peg.1064	CYT	peg.1948	CYT	peg.988	IM TM	peg.981	ECP
B2RLZ4	CYT	Q7MXP4	CYT	F5XAR3	CYT	peg.484	PERI	peg.1030	CYT	peg.1729	CYT	peg.203	CYT
B2RMG0	CYT	P59915	PorSS	F5X9P9	CYT	peg.664	CYT	peg.338	CYT	peg.476	CYT	peg.1454	CYT
B2RJX5	CYT	Q7MWL9	CYT	F5X8D1	CYT	peg.249	ECP	peg.1218	CYT	peg.1963	CYT	peg.1641	CYT
B2RMB9	CYT	Q7MWF4	PERI	F5X7A2	CYT	peg.1937	CYT	peg.1945	CYT	peg.1301	IM TM	peg.542	PERI
B2RIT4	CYT	Q7MU00	CYT	F5X9M1	IM TM	peg.698	PERI	peg.905	OM LP	peg.404	CYT	peg.1805	PERI

B2RM93	PorSS	Q7MVL1	IM TM	F5XC58	PERI	peg.934	CYT	peg.1781	PERI	peg.1636	CYT	peg.765	CYT
B2RMJ1	CYT	Q7MV19	IM TM	F5X7R1	CYT	peg.1240	CYT	peg.110	CYT	peg.1894	CYT	peg.473	OM LP
B2RKJ1	CYT	Q7MT55	OM LP	F5X855	CYT	peg.1635	PERI	peg.1537	IM TM	peg.1123	PERI	peg.1923	CYT
B2RID1	PERI	Q7MTE3	CYT	F5XAH2	CYT	peg.871	CYT	peg.1085	PERI	peg.2152	CYT	peg.1548	CYT
B2RGM5	CYT	Q7MVE9	CYT	F5XD80	CYT	peg.1311	CYT	peg.504	CYT	peg.1653	CYT	peg.121	OM
B2RMK4	CYT	Oo8466	CYT	F5X835	IM TM	peg.489	PERI	peg.1330	CYT	peg.1215	CYT	peg.1344	IM TM
B2RJ90	CYT	Q7MW52	CYT	F5XAF4	CYT	peg.1819	CYT	peg.1036	CYT	peg.952	OM LP	peg.503	CYT
B2RKS6	CYT	PoC936	CYT	F5XCK6	IM TM	peg.71	CYT	peg.289	CYT	peg.1688	ECP	peg.593	CYT
B2RKS5	CYT	PoC938	CYT	F5X8D5	CYT	peg.614	CYT	peg.2011	CYT	peg.459	CYT	peg.2004	IM TM
B2RL24	CYT	Q7MX82	CYT	F5X7H6	IM	peg.1890	PERI	peg.1763	CYT	peg.611	CYT	peg.1646	CYT
B2RKY9	CYT	Q7MT97	CYT	F5X858	CYT	peg.1883	CYT	peg.6	IM TM	peg.2122	CYT	peg.291	IM TM
B2RL67	CYT	Q7MT06	CYT	F5XAD9	CYT	peg.1546	CYT	peg.58	CYT	peg.1997	OM	peg.116	CYT
B2RIRo	CYT	Q7MXF6	CYT	F5X850	CYT	peg.957	CYT	peg.186	CYT	peg.1593	OM	peg.1651	ECP
B2RKUo	PorSS	Q7MTL1	CYT	F5XAEo	CYT	peg.586	CYT	peg.1276	CYT	peg.943	PERI	peg.1485	CYT
B2RIS4	CYT	Q7MAV3	CYT	F5XCTo	PorSS	peg.1357	CYT	peg.528	IM TM	peg.1136	unknown	peg.940	CYT
B2RKo2	CYT	Q7MX68	CYT	F5XBUo	PERI	peg.1422	CYT	peg.237	CYT	peg.480	PERI	peg.302	OM
B2RLH9	CYT	Q7MTV8	CYT	F5XAU6	PERI	peg.1718	CYT	peg.724	CYT	peg.779	CYT	peg.1145	CYT
B2RJ01	CYT	PoC934	CYT	F5XB78	CYT	peg.286	CYT	peg.610	CYT	peg.820	CYT	peg.6	CYT
B2RL29	CYT	Q9XCA6	ECP	F5X817	OM LP	peg.791	CYT	peg.482	IM TM	peg.2127	CYT	peg.1917	CYT
B2RMDo	CYT	PoC937	CYT	F5XCN7	IM TM	peg.1785	CYT	peg.1274	IM TM	peg.661	CYT	peg.1842	CYT
B2RHV8	CYT	PoC935	CYT	F5X944	IM TM	peg.1341	CYT	peg.495	CYT	peg.204	CYT	peg.1488	CYT
B2RHS7	CYT	Q7MV32	CYT	F5XA94	CYT	peg.714	IM	peg.1285	CYT	peg.840	IM TM	peg.242	IM TM
B2RIW6	CYT	Q7MX40	CYT	F5X9B5	CYT	peg.637	CYT	peg.1751	CYT	peg.761	IM TM	peg.646	CYT
B2RJ03	IM TM	Q7MTG7	CYT	F5X8Y5	IM TM	peg.1376	IM TM	peg.661	ECP	peg.156	IM TM	peg.1813	CYT
B2RJV4	CYT	Q7MUW3	CYT	F5X8B4	CYT	peg.179	CYT	peg.106	CYT	peg.2143	CYT	peg.751	CYT
B2RKG6	CYT	Q7MSZ3	CYT	F5XAY2	CYT	peg.950	PERI	peg.1847	CYT	peg.2105	CYT	peg.1184	OM
B2RIE8	IM TM	Q7MVT6	CYT	F5XA16	CYT	peg.254	IM TM	peg.1545	ECP	peg.906	CYT	peg.428	CYT
B2RJU3	IM TM	Q7MWN4	CYT	F5X9U3	CYT	peg.1368	CYT	peg.454	ECP	peg.1002	IM TM	peg.219	CYT
B2RIE9	CYT	Q7MWV3	CYT	F5XAU8	IM TM	peg.762	CYT	peg.1644	OM LP	peg.316	ECP	peg.1894	CYT
B2RJF8	IM TM	Q7MT07	CYT	F5XD21	OM	peg.350	CYT	peg.156	CYT	peg.1488	CYT	peg.616	ECP
B2RL48	IM TM	Q7MWB6	CYT	F5XBT5	CYT	peg.2074	CYT	peg.1452	CYT	peg.982	PERI	peg.1059	CYT
B2RME3	CYT	Q7MWA2	CYT	F5X9K9	IM TM	peg.2038	CYT	peg.857	CYT	peg.1638	PERI	peg.2049	OM
B2RLI7	OM	Q7MV47	CYT	F5XC61	PERI	peg.669	CYT	peg.978	CYT	peg.1649	OM LP	peg.1985	CYT
B2RIK3	CYT	Q7MT48	CYT	F5X898	OM	peg.506	OM LP	peg.830	CYT	peg.260	IM TM	peg.2094	CYT
B2RKU2	CYT	Q7MXZ1	CYT	F5XCH8	CYT	peg.2034	CYT	peg.2038	PERI	peg.1507	IM TM	peg.1769	CYT
B2RI39	IM TM	P42375	CYT	F5XAA7	CYT	peg.1676	IM TM	peg.1051	CYT	peg.242	CYT	peg.620	CYT
B2RKU8	CYT	P42376	CYT	F5X7I5	CYT	peg.229	CYT	peg.982	ECP	peg.1295	CYT	peg.430	IM TM
B2RHG1	OM LP	Q7MVE7	CYT	F5XB32	CYT	peg.1840	CYT	peg.1426	CYT	peg.1408	CYT	peg.559	CYT
B2RHG2	OM LP	Q7MV04	CYT	F5XDH3	IM TM	peg.1582	CYT	peg.94	CYT	peg.1585	CYT	peg.1113	CYT
B2RLAo	CYT	Q7MWY2	CYT	F5X8E7	IM TM	peg.1721	CYT	peg.1102	CYT	peg.605	IM TM	peg.1839	PERI
B2RII6	CYT	Q7MX10	CYT	F5X974	ECP	peg.1994	PERI	peg.411	CYT	peg.1848	IM TM	peg.1972	CYT
B2RIF2	CYT	Q7MX09	CYT	F5XD67	OM	peg.1470	IM TM	peg.1260	CYT	peg.1250	CYT	peg.1445	CYT
B2RLS8	IM TM	P95493	PorSS	F5XDF5	CYT	peg.1675	CYT	peg.635	CYT	peg.1986	PorSS	peg.1298	IM TM

B2RKW6	CYT	Q7MX47	CYT	F5X8S5	CYT	peg.133	CYT	peg.1896	CYT	peg.1452	CYT	peg.2061	CYT
B2RIY7	CYT	Q7MWC6	CYT	F5X947	OM	peg.574	CYT	peg.418	OM LP	peg.541	IM TM	peg.1620	CYT
B2RIF8	CYT	Q7MU10	CYT	F5XB87	CYT	peg.1720	CYT	peg.366	CYT	peg.1212	CYT	peg.1903	IM TM
B2RK28	CYT	Q7MVI0	CYT	F5X899	CYT	peg.20	CYT	peg.1298	IM TM	peg.376	CYT	peg.1236	CYT
B2RHP0	CYT	Q7MUY2	CYT	F5XCD2	CYT	peg.1870	IM TM	peg.839	CYT	peg.1856	OM	peg.613	CYT
B2RHG4	OM LP	Q59677	CYT	F5X790	CYT	peg.379	IM TM	peg.164	CYT	peg.999	CYT	peg.808	CYT
B2RLV1	CYT	Q7MXT8	CYT	F5XB88	PERI	peg.96	CYT	peg.222	IM TM	peg.876	CYT	peg.955	CYT
B2RHG3	OM LP	Q7MXU9	CYT	F5X7G0	IM TM	peg.1402	CYT	peg.42	CYT	peg.265	CYT	peg.316	CYT
B2RHG5	ECP	Q51831	CYT	F5XAQ5	CYT	peg.619	CYT	peg.179	CYT	peg.424	CYT	peg.783	CYT
B2RKS4	CYT	Q51841	CYT	F5XD77	CYT	peg.264	CYT	peg.1186	CYT	peg.1101	IM TM	peg.500	PERI
B2RLG9	CYT	Q7MW43	CYT	F5XD84	CYT	peg.102	CYT	peg.812	IM TM	peg.965	CYT	peg.1367	CYT
B2RM62	CYT	Q7MXR7	CYT	F5XBA9	CYT	peg.1619	CYT	peg.13	CYT	peg.1327	CYT	peg.1268	CYT
B2RLS5	CYT	Q7M WV8	CYT	F5X9G8	CYT	peg.365	CYT	peg.1710	CYT	peg.973	CYT	peg.1069	CYT
B2RK25	CYT	Q7MU50	CYT	F5XCB2	OM LP	peg.1822	IM TM	peg.1618	CYT	peg.814	IM TM	peg.1899	CYT
B2RHL6	CYT	Q51843	CYT	F5X9K8	IM TM	peg.1792	CYT	peg.1520	PERI	peg.1589	CYT	peg.375	PERI
B2RMA5	CYT	Q7MU78	CYT	F5XBM3	CYT	peg.548	CYT	peg.1235	ECP	peg.320	PERI	peg.1702	IM TM
B2RKT6	CYT	Q7MU77	CYT	F5XB21	IM TM	peg.1048	CYT	peg.1134	IM TM	peg.1313	CYT	peg.1940	CYT
B2RHI2	CYT	Q7MV70	CYT	F5XBN6	CYT	peg.1085	CYT	peg.987	IM LP	peg.1131	OM LP	peg.812	CYT
B2RKS0	IM TM	Q7MW79	CYT	F5X9A4	CYT	peg.733	CYT	peg.651	CYT	peg.802	CYT	peg.1818	CYT
B2RIL9	CYT	Q7MW55	CYT	F5X7X8	PERI	peg.85	IM TM	peg.25	CYT	peg.1249	CYT	peg.675	CYT
B2RH69	CYT	Q9S3R8	OM	F5X8E9	CYT	peg.1493	CYT	peg.1507	CYT	peg.645	CYT	peg.1629	CYT
B2RLH2	CYT	Q7MUY1	CYT	F5X816	CYT	peg.1287	CYT	peg.280	CYT	peg.1489	CYT	peg.846	CYT
B2RIL8	ECP	Q7MXT7	CYT	F5XB13	CYT	peg.1277	IM TM	peg.1423	CYT	peg.2058	CYT	peg.336	CYT
B2RJD8	ECP	Q7MUW1	CYT	F5XCB4	CYT	peg.1175	CYT	peg.784	CYT	peg.1029	PERI	peg.1958	CYT
B2RIG5	CYT	Q7MWM7	CYT	F5XCH7	CYT	peg.1235	IM TM	peg.296	CYT	peg.1798	CYT	peg.11	CYT
B2RH13	CYT	Q7MUZ1	IM TM	F5XBE9	CYT	peg.1164	PERI	peg.1604	CYT	peg.226	IM TM	peg.374	CYT
B2RIU1	CYT	P59916	CYT	F5XAT2	OM LP	peg.260	CYT	peg.461	CYT	peg.1280	ECP	peg.1414	CYT
B2RLC1	ECP	Q7MVS5	IM TM	F5XDD1	CYT	peg.2031	IM TM	peg.350	CYT	peg.1796	CYT	peg.2071	IM TM
B2RM15	CYT	P60093	CYT	F5XCM3	PorSS	peg.1513	IM	peg.1909	CYT	peg.1201	OM LP	peg.2031	IM TM
B2RIG0	CYT	Q7MV56	CYT	F5XC94	CYT	peg.1580	CYT	peg.1865	CYT	peg.657	ECP	peg.1607	CYT
B2RLZ1	ECP	Q7MU65	CYT	F5XDJ3	CYT	peg.323	CYT	peg.1043	CYT	peg.1914	CYT	peg.1206	CYT
B2RHR8	CYT	Q7MUD1	IM TM	F5XB06	CYT	peg.960	CYT	peg.1715	PERI	peg.1194	CYT	peg.1564	ECP
B2RM14	CYT	Q7MWT9	CYT	F5X9Q8	IM TM	peg.49	CYT	peg.849	CYT	peg.641	IM TM	peg.1919	IM TM
B2RH62	CYT	Q7MXK0	OM LP	F5XA79	CYT	peg.1153	PERI	peg.565	IM TM	peg.570	CYT	peg.997	CYT
B2RL46	CYT	Q7MWT4	CYT	F5X936	CYT	peg.1105	CYT	peg.1911	CYT	peg.94	CYT	peg.446	CYT
B2RLZ6	CYT	Q7MTR7	IM TM	F5XA77	CYT	peg.911	CYT	peg.1150	CYT	peg.1834	CYT	peg.471	OM LP
B2RLV6	CYT	Q7MAW5	CYT	F5XCQ6	IM TM	peg.309	PERI	peg.964	CYT	peg.506	IM TM	peg.1353	ECP
B2RLY3	CYT	Q7MVG5	CYT	F5X7S7	ECP	peg.1541	CYT	peg.1178	CYT	peg.1041	CYT	peg.505	CYT
B2RIV6	CYT	Q59676	CYT	F5XB99	IM TM	peg.1225	PERI	peg.1441	CYT	peg.513	CYT	peg.234	OM
B2RIV3	CYT	Q7MTW1	IM TM	F5X934	OM LP	peg.1090	PERI	peg.470	CYT	peg.1949	CYT	peg.725	CYT
B2RL77	CYT	Q9S3R9	OM	F5XAR5	IM TM	peg.1496	CYT	peg.344	CYT	peg.1038	CYT	peg.1165	CYT
B2RJS2	CYT	Q7MWM0	CYT	F5X8K1	OM	peg.1705	CYT	peg.248	CYT	peg.439	OM LP	peg.586	IM TM
B2RME4	CYT	Q9RQJ2	PorSS	F5X8T6	CYT	peg.1928	CYT	peg.1609	CYT	peg.158	IM TM	peg.1611	CYT



B2RLYo	CYT	Q7MVF1	CYT	F5X8A1	CYT	peg.149	CYT	peg.754	CYT	peg.47	CYT	peg.433	IM TM
B2RM1o	CYT	Q7MVR7	CYT	F5XCD5	OM	peg.510	IM LP	peg.1824	CYT	peg.791	CYT	peg.1226	IM TM
B2RIU4	CYT	Q7MTQo	CYT	F5XAB9	CYT	peg.1947	CYT	peg.1590	PERI	peg.636	CYT	peg.404	CYT
B2RLJ5	CYT	Q7MAW8	CYT	F5XCv2	CYT	peg.362	CYT	peg.879	CYT	peg.718	CYT	peg.186	CYT
B2RKS1	CYT	Q7MVZ2	CYT	F5XCJ4	CYT	peg.147	PERI	peg.1686	IM TM	peg.1475	CYT	peg.81	CYT
B2RJW0	CYT	Q7MWM6	IM TM	F5X7G7	CYT	peg.522	PERI	peg.928	CYT	peg.181	ECP	peg.2103	CYT
B2RJX3	PERI	Q7MAW6	CYT	F5X8A9	IM TM	peg.220	IM TM	peg.396	PERI	peg.699	CYT	peg.794	CYT
B2RHF2	CYT	Q7MAW9	CYT	F5X7F5	unknown	peg.1830	CYT	peg.956	CYT	peg.947	CYT	peg.1035	IM TM
B2RH38	CYT	Q7MTG9	CYT	F5XCDo	CYT	peg.1361	OM LP	peg.325	IM LP	peg.195	CYT	peg.972	CYT
B2RIP9	CYT	Q7MAW4	CYT	F5X956	PERI	peg.414	PERI	peg.531	CYT	peg.1384	CYT	peg.1327	CYT
B2RJG6	CYT	Q7MX71	CYT	F5X904	CYT	peg.1831	OM	peg.1082	CYT	peg.1263	OM LP	peg.1218	CYT
B2RM11	CYT	Q7MUI9	CYT	F5XAK9	CYT	peg.453	CYT	peg.826	ECP	peg.137	CYT	peg.224	PERI
B2RIE7	CYT	P60053	CYT	F5XD36	CYT	peg.777	IM TM	peg.176	CYT	peg.1461	CYT	peg.1063	CYT
B2RIS6	CYT	Q7MAV4	CYT	F5XC37	CYT	peg.1535	unknown	peg.731	ECP	peg.1877	CYT	peg.1600	CYT
B2RL15	CYT	Q7MTG8	CYT	F5X9T3	ECP	peg.219	CYT	peg.1491	CYT	peg.839	ECP	peg.488	CYT
B2RKZ4	OM	Q7MU42	CYT	F5X8J6	OM LP	peg.244	CYT	peg.715	IM TM	peg.149	CYT	peg.984	CYT
B2RMB2	CYT	Q7MTB5	CYT	F5X8T4	CYT	peg.1550	OM	peg.942	CYT	peg.71	IM TM	peg.1041	CYT
B2RL56	IM TM	PoC939	CYT	F5XBX7	CYT	peg.152	CYT	peg.1304	CYT	peg.165	CYT	peg.94	CYT
B2RHE8	CYT	Q7MVX9	CYT	F5XAB7	CYT	peg.478	CYT	peg.1980	CYT	peg.1669	CYT	peg.1381	PorSS
B2RCY5	CYT	Q7MVW8	CYT	F5X9F8	CYT	peg.2042	IM LP	peg.1708	CYT	peg.1432	CYT	peg.394	CYT
B2RIK9	CYT	Q7MWGo	CYT	F5XBB7	CYT	peg.1248	IM TM	peg.2005	IM TM	peg.416	IM TM	peg.2018	CYT
B2RJ18	CYT	Q7MVU9	CYT	F5XBX9	PERI	peg.2079	CYT	peg.1595	IM TM	peg.984	PERI	peg.1853	CYT
B2RIR9	CYT	Q7MXI5	CYT	F5X9W6	OM	peg.2003	CYT	peg.1717	PERI	peg.362	PorSS	peg.1502	CYT
B2RMK5	CYT	P60036	IM TM	F5XAB4	IM TM	peg.2084	CYT	peg.1416	CYT	peg.1568	ECP	peg.1930	CYT
B2RJ48	CYT	Q7MWN8	IM TM	F5X9M7	PERI	peg.724	PERI	peg.1816	CYT	peg.2042	IM TM	peg.728	ECP
B2RHJ1	CYT	Q7MVG9	CYT	F5X814	CYT	peg.1451	IM TM	peg.1812	OM	peg.1371	CYT	peg.1305	ECP
B2RJ36	CYT	Q7MUS4	IM TM	F5X954	ECP	peg.395	OM LP	peg.572	PERI	peg.461	CYT	peg.745	CYT
B2RII5	CYT	Q7MWS9	CYT	F5X7Q7	CYT	peg.758	IM TM	peg.1148	CYT	peg.1928	CYT	peg.2035	OM
B2RJS3	CYT	Q7MTS0	CYT	F5X8W3	CYT	peg.294	PERI	peg.153	ECP	peg.1419	IM TM	peg.2044	ECP
B2RLH3	PERI	Q7MTF7	IM TM	F5X841	CYT	peg.1119	PERI	peg.1255	CYT	peg.1176	CYT	peg.363	CYT
B2RKW2	CYT	Q7MTP6	CYT	F5X7L9	CYT	peg.1015	CYT	peg.1874	CYT	peg.831	CYT	peg.692	CYT
B2RGRo	CYT	Q7MTN7	CYT	F5X7U1	CYT	peg.2083	IM TM	peg.253	OM	peg.2068	CYT	peg.990	CYT
B2RHH9	CYT	Q7MTJ5	CYT	F5XAR4	IM TM	peg.1448	ECP	peg.997	CYT	peg.1740	CYT	peg.513	CYT
B2RHL5	PERI	Q7MTL6	ECP	F5XC28	CYT	peg.44	CYT	peg.398	IM TM	peg.1414	CYT	peg.227	IM TM
B2RILo	IM TM	Q7MWL6	CYT	F5XBI6	CYT	peg.1727	CYT	peg.1852	CYT	peg.329	CYT	peg.27	CYT
B2RJV5	CYT	Q7MTL7	ECP	F5XC15	CYT	peg.1521	CYT	peg.1214	OM LP	peg.188	CYT	peg.37	IM TM
B2RM75	IM TM	Q7MTN9	CYT	F5XD31	CYT	peg.987	CYT	peg.944	CYT	peg.2084	IM TM	peg.155	CYT
B2RJW1	CYT	Q7MWG1	ECP	F5X998	PERI	peg.648	CYT	peg.78	IM TM	peg.284	CYT	peg.778	CYT
B2RI59	CYT	Q7MTN6	CYT	F5XBK3	CYT	peg.39	CYT	peg.1664	CYT	peg.347	CYT	peg.1820	CYT
B2RH15	IM TM	Q7MTM5	CYT	F5XBP8	OM	peg.1951	CYT	peg.1045	CYT	peg.23	CYT	peg.1274	CYT
B2RKV2	CYT	Q7MTM8	CYT	F5X7X5	IM TM	peg.1272	CYT	peg.1451	CYT	peg.1976	CYT	peg.1333	IM TM
B2RJK6	IM TM	Q7MX28	CYT	F5X7A7	CYT	peg.1023	CYT	peg.1803	ECP	peg.1378	CYT	peg.1568	IM TM
B2RH86	CYT	Q7MTPo	CYT	F5X8F7	CYT	peg.1905	CYT	peg.1093	CYT	peg.939	ECP	peg.413	ECP

B2RHX3	IM TM	Q7MX26	CYT	F5XCV3	CYT	peg.1524	CYT	peg.656	CYT	peg.2132	CYT	peg.276	ECP
B2RJ55	IM TM	Q7MTN8	ECP	F5XCE7	OM	peg.594	CYT	peg.1155	CYT	peg.1174	CYT	peg.1270	PERI
B2RM16	IM TM	Q7MTM6	CYT	F5XAX1	CYT	peg.2021	OM	peg.1446	CYT	peg.1700	CYT	peg.684	CYT
B2RK91	CYT	Q7MT44	CYT	F5X7K4	CYT	peg.55	OM	peg.1687	CYT	peg.518	CYT	peg.1391	CYT
B2RGP6	PorSS	Q7MUH3	CYT	F5XAC4	CYT	peg.1730	CYT	peg.854	CYT	peg.1989	CYT	peg.2097	IM TM
B2RL70	CYT	Q7MVG0	CYT	F5X9E9	CYT	peg.1601	CYT	peg.842	IM TM	peg.527	IM TM	peg.1251	IM TM
B2RKJ0	PERI	Q7MXR6	CYT	F5XD17	PERI	peg.1564	ECP	peg.444	CYT	peg.1610	CYT	peg.1458	IM TM
B2RJZ3	CYT	Q7MUH6	IM TM	F5XAN4	CYT	peg.1851	CYT	peg.848	CYT	peg.219	IM TM	peg.985	CYT
B2RH11	CYT	Q7MUX4	CYT	F5XBK4	CYT	peg.905	IM TM	peg.1198	CYT	peg.1763	IM TM	peg.1584	CYT
B2RML0	CYT	Q7MXT6	CYT	F5XBV1	IM TM	peg.1621	CYT	peg.1583	CYT	peg.909	CYT	peg.20	CYT
B2RKP9	CYT	Q7MTP5	CYT	F5X7U2	ECP	peg.1061	CYT	peg.575	CYT	peg.1001	PERI	peg.467	CYT
B2RJ19	CYT	Q7MVJ6	CYT	F5XAG2	CYT	peg.269	CYT	peg.1787	IM TM	peg.479	PorSS	peg.890	CYT
B2RLH1	OM LP	Q7MX57	CYT	F5XB70	IM	peg.884	CYT	peg.1576	CYT	peg.303	CYT	peg.62	CYT
B2RJ17	CYT	Q7MWR7	CYT	F5X7Q9	unknown	peg.81	CYT	peg.485	OM LP	peg.890	IM TM	peg.1535	ECP
B2RK55	CYT	Q7MWL1	CYT	F5XAD1	ECP	peg.814	CYT	peg.1556	CYT	peg.532	CYT	peg.1523	CYT
B2RKY0	IM TM	Q7MT92	CYT	F5XC57	PorSS	peg.800	CYT	peg.684	IM TM	peg.140	CYT	peg.451	IM TM
B2RHB1	CYT	Q7MX14	CYT	F5XD04	IM TM	peg.566	IM TM	peg.569	CYT	peg.913	CYT	peg.679	ECP
B2RIP2	IM TM	Q51832	CYT	F5XD06	CYT	peg.923	CYT	peg.1281	CYT	peg.990	CYT	peg.1425	CYT
B2RKU9	CYT	Q7MX27	CYT	F5XCH4	CYT	peg.206	CYT	peg.1656	CYT	peg.1804	IM TM	peg.1098	OM LP
B2RLV0	PERI	Q7MVQ7	ECP	F5X9Q7	CYT	peg.1647	CYT	peg.1068	CYT	peg.1231	CYT	peg.711	CYT
B2RL82	PERI	Q51834	CYT	F5X7A6	CYT	peg.511	CYT	peg.12	CYT	peg.1369	CYT	peg.125	CYT
B2RIT8	CYT	Q7MX21	PERI	F5X979	PERI	peg.1174	CYT	peg.1643	OM	peg.630	CYT	peg.493	CYT
B2RIZ1	IM TM	Q7MTB0	CYT	F5XC64	CYT	peg.806	CYT	peg.1800	unknown	peg.492	CYT	peg.2008	CYT
B2RJ16	CYT	Q7MWK6	CYT	F5X972	PERI	peg.1974	CYT	peg.2004	IM TM	peg.1716	CYT	peg.1085	CYT
B2RJQ2	CYT	Q7MX58	CYT	F5X9D6	CYT	peg.1471	CYT	peg.1905	CYT	peg.1754	CYT	peg.871	CYT
B2RKK5	CYT	Q7MV08	CYT	F5XBA7	CYT	peg.492	CYT	peg.845	CYT	peg.1395	CYT	peg.1316	PERI
B2RK43	CYT	Q7MVR8	CYT	F5X7F1	CYT	peg.992	CYT	peg.148	CYT	peg.626	CYT	peg.827	PorSS
B2RHE9	CYT	Q7MWW8	CYT	F5X8L6	CYT	peg.1020	CYT	peg.2053	CYT	peg.336	CYT	peg.1406	IM TM
B2RL25	CYT	Q7MXK9	CYT	F5X8X2	IM TM	peg.1874	IM TM	peg.1870	CYT	peg.597	CYT	peg.957	CYT
B2RH77	CYT	Q7MUW6	PERI	F5XBK2	IM TM	peg.657	IM TM	peg.1089	CYT	peg.1579	OM LP	peg.1996	CYT
B2RJS9	CYT	Q7MVM9	CYT	F5X8M3	CYT	peg.501	IM TM	peg.1383	CYT	peg.744	IM LP	peg.1348	IM TM
B2RI07	ECP	Q7MUE5	IM TM	F5XCBo	OM	peg.1734	CYT	peg.1343	CYT	peg.1446	CYT	peg.60	CYT
B2RGV9	CYT	Q7MUD0	OM LP	F5XCN3	OM	peg.1919	IM TM	peg.1012	CYT	peg.1981	CYT	peg.1852	ECP
B2RJP1	CYT	Q7MU74	CYT	F5X7L6	CYT	peg.2068	CYT	peg.1000	IM TM	peg.255	ECP	peg.255	IM TM
B2RI09	PERI	Q7MVE2	CYT	F5X8C9	ECP	peg.1649	CYT	peg.389	unknown	peg.327	IM TM	peg.1240	PERI
B2RGW5	CYT	Q7MUHo	CYT	F5X9Co	CYT	peg.1484	CYT	peg.710	CYT	peg.1613	OM LP	peg.57	CYT
B2RHL9	IM LP	Q7MUK9	IM TM	F5XAA0	CYT	peg.679	IM TM	peg.1552	IM TM	peg.672	CYT	peg.1631	CYT
B2RIW1	IM TM	F5HFT7	CYT	F5X9A8	CYT	peg.1923	PERI	peg.1291	CYT	peg.1013	CYT	peg.568	PERI
B2RMI9	CYT	Q7MUV0	CYT	F5X9X4	IM TM	peg.162	ECP	peg.345	CYT	peg.2118	PERI	peg.267	CYT
B2RHV6	CYT	Q7MVH6	CYT	F5XD78	IM TM	peg.1036	CYT	peg.1958	PERI	peg.969	CYT	peg.1951	CYT
B2RMG3	IM TM	Q7MV27	CYT	F5X842	IM TM	peg.930	CYT	peg.1492	CYT	peg.273	PERI	peg.322	CYT
B2RJK4	ECP	F5H9F8	PorSS	F5X9X5	IM TM	peg.275	CYT	peg.1420	PERI	peg.1571	CYT	peg.786	CYT
B2RK50	CYT	Q7MVW9	CYT	F5X793	CYT	peg.396	PERI	peg.1203	CYT	peg.1223	CYT	peg.703	IM TM

B2RLPo	CYT	Q7MWY6	CYT	F5XBV7	CYT	peg.904	CYT	peg.1981	CYT	peg.1845	IM TM	peg.1116	IM TM
B2RJT2	CYT	Q7MWU8	IM TM	F5X8H2	CYT	peg.313	IM TM	peg.1130	PERI	peg.1066	PorSS	peg.543	IM TM
B2RJ79	CYT	Q7MVG1	CYT	F5X824	CYT	peg.1608	CYT	peg.919	ECP	peg.144	CYT	peg.1507	CYT
B2RK84	CYT	Q7MWW9	CYT	F5X9W1	CYT	peg.900	ECP	peg.1794	IM TM	peg.1410	ECP	peg.842	IM TM
B2RLR8	CYT	Q7MUD9	CYT	F5XD53	CYT	peg.1747	CYT	peg.1673	CYT	peg.983	OM LP	peg.910	CYT
B2RIVo	CYT	Q7MWI6	PERI	F5X8E8	IM TM	peg.815	CYT	peg.257	CYT	peg.850	CYT	peg.636	IM TM
B2RIX6	CYT	Q7MVI6	CYT	F5XCWo	PERI	peg.459	CYT	peg.950	CYT	peg.1818	CYT	peg.1280	CYT
B2RJK8	CYT	Q7MTS4	CYT	F5XD52	CYT	peg.384	IM TM	peg.1965	CYT	peg.2162	CYT	peg.1052	CYT
B2RKE6	CYT	Q7MT88	CYT	F5X9U7	ECP	peg.1800	CYT	peg.154	CYT	peg.1903	CYT	peg.1992	CYT
B2RMI4	CYT	Q7MUU7	IM TM	F5X8G4	CYT	peg.927	CYT	peg.35	OM	peg.1359	CYT	peg.1473	CYT
B2RJW3	CYT	Q7MXR9	IM TM	F5X9N5	CYT	peg.1931	CYT	peg.1977	CYT	peg.2041	OM LP	peg.948	PorSS
B2RLW2	CYT	Q7MXL1	CYT	F5XB91	CYT	peg.440	CYT	peg.1284	CYT	peg.1341	ECP	peg.324	CYT
B2RI83	CYT	Q7MUM3	CYT	F5X9F5	CYT	peg.304	CYT	peg.355	IM TM	peg.430	CYT	peg.56	CYT
B2RJE2	PERI	Q7MWR5	CYT	F5XBR8	CYT	peg.1398	PERI	peg.1975	CYT	peg.63	CYT	peg.1474	CYT
B2RKD4	CYT	Q7MSY5	CYT	F5X9T4	CYT	peg.863	IM TM	peg.1115	CYT	peg.408	CYT	peg.850	CYT
B2RKL6	ECP	Q7MXLo	CYT	F5XAP7	IM TM	peg.2029	IM TM	peg.549	IM TM	peg.1885	IM LP	peg.1164	CYT
B2RKVo	PorSS	Q7MXB3	CYT	F5X9U6	CYT	peg.598	CYT	peg.741	CYT	peg.1560	PERI	peg.1867	ECP
B2RMF8	CYT	Q7MSZ7	CYT	F5X8K2	CYT	peg.1846	CYT	peg.309	CYT	peg.1246	CYT	peg.218	CYT
B2RL37	ECP	Q7MTS5	IM TM	F5X8D9	CYT	peg.214	IM TM	peg.871	IM TM	peg.1726	ECP	peg.468	CYT
B2RLK9	OM LP	Q7MU46	CYT	F5X933	CYT	peg.1925	CYT	peg.370	CYT	peg.151	CYT	peg.2012	CYT
B2RI8o	IM TM	Q7MUH2	CYT	F5XC76	CYT	peg.1852	CYT	peg.1866	CYT	peg.784	PERI	peg.1195	IM TM
B2RLT2	OM LP	Q7MWJ8	PERI	F5X8So	CYT	peg.1666	CYT	peg.508	CYT	peg.2166	CYT	peg.2045	CYT
B2RHN6	CYT	Q7MTV1	CYT	F5XB19	CYT	peg.1435	CYT	peg.787	CYT	peg.1071	CYT	peg.920	IM TM
B2RK56	CYT	Q7MT09	CYT	F5XB38	CYT	peg.715	OM	peg.1949	CYT	peg.1148	CYT	peg.664	CYT
B2RJH6	CYT	Q7MU81	IM TM	F5XBB5	IM TM	peg.572	CYT	peg.721	CYT	peg.855	CYT	peg.301	OM
B2RLK8	IM TM	Q7MV43	ECP	G1UBUo	CYT	peg.562	CYT	peg.1846	CYT	peg.1185	PERI	peg.2025	CYT
B2RJYo	CYT	Q7MUG1	CYT	F5XAY4	CYT	peg.1809	CYT	peg.1916	CYT	peg.731	IM TM	peg.2	CYT
B2RIS5	IM TM	Q7MTI6	IM TM	F5XCB9	CYT	peg.1410	OM	peg.901	CYT	peg.1899	CYT	peg.351	CYT
B2RHY6	CYT	Q7MV6o	CYT	F5X836	IM TM	peg.839	OM	peg.2010	CYT	peg.1782	IM TM	peg.136	CYT
B2RLF2	CYT	Q7MXN9	IM TM	F5XC22	PERI	peg.1364	CYT	peg.1534	IM TM	peg.2167	CYT	peg.2127	IM TM
B2RLL2	CYT	Q7MVH4	CYT	F5X8V5	CYT	peg.203	IM TM	peg.205	CYT	peg.1316	CYT	peg.1808	CYT
B2RHN8	IM TM	Q7MZY8	CYT	F5XDB9	CYT	peg.2035	CYT	peg.662	CYT	peg.712	IM TM	peg.1766	OM LP
B2RKoo	CYT	Q7MVA8	ECP	F5X9K2	CYT	peg.1027	CYT	peg.818	CYT	peg.1972	CYT	peg.1656	CYT
B2RKN2	IM TM	Q7MXU3	IM TM	F5X7F2	CYT	peg.1857	PorSS	peg.902	IM TM	peg.1350	CYT	peg.1836	IM TM
B2RLK4	CYT	Q7MXB9	CYT	F5X9J1	CYT	peg.1631	ECP	peg.850	CYT	peg.37	CYT	peg.176	CYT
B2RKC2	CYT	Q7MV69	CYT	F5X813	CYT	peg.1654	CYT	peg.1724	CYT	peg.1119	CYT	peg.1750	IM TM
B2RKW5	PERI	Q7MIT4	CYT	F5X7N4	CYT	peg.749	CYT	peg.89	CYT	peg.789	PERI	peg.1721	CYT
B2RIN9	OM	Q7MXE5	CYT	F5X8Yo	OM LP	peg.128	CYT	peg.1829	CYT	peg.2007	IM TM	peg.1222	CYT
B2RM64	CYT	Q7MT79	PERI	F5X9X1	CYT	peg.142	ECP	peg.674	IM TM	peg.352	IM TM	peg.512	CYT
B2RJM9	CYT	Q7MV97	CYT	F5X7G6	CYT	peg.1912	IM TM	peg.1078	ECP	peg.587	CYT	peg.2059	CYT
B2RKo4	IM TM	F5HPY5	ECP	F5X8Z5	CYT	peg.1797	IM TM	peg.230	CYT	peg.1575	IM TM	peg.695	CYT
B2RIT1	CYT	Q7MUAo	CYT	F5X7F7	CYT	peg.1373	OM LP	peg.219	PERI	peg.719	CYT	peg.378	CYT
B2RK86	CYT	Q7MU27	CYT	F5XD43	CYT	peg.774	CYT	peg.1842	CYT	peg.1460	CYT	peg.1803	CYT

B2RM53	CYT	Q7MV23	CYT	F5XA53	CYT	peg.1122	IM LP	peg.1019	CYT	peg.780	IM TM	peg.2013	CYT
B2RI73	CYT	Q7MTA4	CYT	F5XA87	CYT	peg.668	CYT	peg.1633	CYT	peg.447	IM TM	peg.263	ECP
B2RGU8	CYT	Q7MXJ8	PERI	F5XCD3	CYT	peg.297	CYT	peg.593	CYT	peg.2126	CYT	peg.197	CYT
B2RH45	IM TM	Q7MXF3	CYT	F5X7C4	CYT	peg.233	IM TM	peg.707	ECP	peg.1287	IM TM	peg.1676	CYT
B2RJK3	IM TM	Q7MW30	CYT	F5X9Y1	CYT	peg.688	CYT	peg.1817	ECP	peg.685	CYT	peg.1642	PERI
B2RJY6	CYT	Q7MVI7	CYT	F5XCA8	OM	peg.555	PERI	peg.1991	CYT	peg.1118	IM TM	peg.1183	IM TM
B2RK44	CYT	Q7MW11	CYT	F5XD18	IM TM	peg.824	CYT	peg.564	CYT	peg.554	PERI	peg.5	CYT
B2RHE5	IM LP	Q7MWX3	CYT	F5X829	CYT	peg.876	unknown	peg.167	CYT	peg.87	CYT	peg.857	CYT
B2RIW8	PERI	Q7MXC9	IM TM	F5X865	CYT	peg.106	CYT	peg.1777	CYT	peg.450	CYT	peg.1358	OM
B2RKU6	CYT	Q7MU55	IM TM	F5X8E2	CYT	peg.1282	CYT	peg.678	OM	peg.1348	OM LP	peg.1257	PERI
B2RLB3	CYT	Q7MV02	PERI	F5X7S2	CYT	peg.336	CYT	peg.1325	ECP	peg.111	CYT	peg.681	CYT
B2RMP7	CYT	Q7MTS8	IM TM	F5XC05	CYT	peg.854	IM TM	peg.1667	OM	peg.214	CYT	peg.2107	CYT
B2RJZ9	CYT	Q7MTX5	CYT	F5XCK1	IM TM	peg.429	CYT	peg.1519	CYT	peg.1338	IM TM	peg.1376	CYT
B2RH20	CYT	Q7MV20	CYT	F5X886	CYT	peg.1861	ECP	peg.912	CYT	peg.9	CYT	peg.1893	CYT
B2RLD2	CYT	Q7MUH1	CYT	F5X7Z3	CYT	peg.1982	CYT	peg.868	CYT	peg.535	IM TM	peg.1544	PERI
B2RM72	CYT	Q7MXF4	IM LP	F5X892	CYT	peg.1001	PERI	peg.157	CYT	peg.1760	CYT	peg.707	IM TM
B2RJN8	CYT	Q7MAW2	CYT	F5XDA5	CYT	peg.171	CYT	peg.2047	PERI	peg.631	PERI	peg.1654	CYT
B2RLS0	CYT	Q7MT76	OM LP	F5XBR2	CYT	peg.1210	PERI	peg.641	CYT	peg.76	CYT	peg.1785	PorSS
B2RKD5	IM TM	Q7MX03	CYT	F5X9F3	CYT	peg.258	CYT	peg.1530	ECP	peg.1169	OM	peg.1317	CYT
B2RKF7	CYT	Q7MVC6	CYT	F5XBU6	CYT	peg.1503	IM TM	peg.2051	CYT	peg.1982	CYT	peg.1777	IM TM
B2RKY8	CYT	Q7MWJ3	CYT	F5X8J8	CYT	peg.1293	CYT	peg.1743	IM TM	peg.2159	CYT	peg.1982	CYT
B2RHD0	CYT	Q7MX48	CYT	F5X9F4	CYT	peg.919	CYT	peg.275	CYT	peg.1368	CYT	peg.951	CYT
B2RK24	CYT	Q7MU38	CYT	F5X8X7	CYT	peg.342	CYT	peg.1637	ECP	peg.918	CYT	peg.769	CYT
B2RMI6	CYT	Q7MVQ4	CYT	F5X7S5	CYT	peg.1191	IM TM	peg.1925	CYT	peg.1766	CYT	peg.807	CYT
B2RHT0	PERI	Q7MWN1	ECP	F5XC92	IM TM	peg.331	CYT	peg.1007	CYT	peg.615	CYT	peg.272	IM TM
B2RLL6	IM TM	Q7MUG2	CYT	F5XCV9	OM	peg.538	CYT	peg.249	PERI	peg.581	CYT	peg.1149	PERI
B2RIN5	CYT	Q7MU08	PERI	F5X940	CYT	peg.1003	CYT	peg.910	IM TM	peg.1889	PERI	peg.651	IM TM
B2RKL3	CYT	Q7MWZ7	CYT	F5X8F2	CYT	peg.2070	CYT	peg.1931	CYT	peg.601	CYT	peg.770	CYT
B2RI98	CYT	Q7MW61	CYT	F5XA08	CYT	peg.826	IM TM	peg.536	CYT	peg.209	CYT	peg.960	PERI
B2RHR9	CYT	Q7MTT9	CYT	F5X8R4	CYT	peg.1281	CYT	peg.875	CYT	peg.380	CYT	peg.859	IM TM
B2RM02	OM LP	Q7MWF2	OM LP	F5X7E6	PorSS	peg.1131	CYT	peg.1167	IM TM	peg.1621	CYT	peg.747	CYT
B2RKH5	CYT	Q7MWP1	CYT	F5XCJ5	CYT	peg.245	CYT	peg.1527	CYT	peg.578	CYT	peg.1590	IM TM
B2RIQ1	CYT	Q7MXV3	CYT	F5XCE5	CYT	peg.1172	IM TM	peg.1236	CYT	peg.741	CYT	peg.1742	ECP
B2RLE1	CYT	Q7MX11	CYT	F5XAG7	CYT	peg.633	CYT	peg.1071	ECP	peg.2	CYT	peg.206	CYT
B2RHE2	CYT	Q7MXW8	CYT	F5XB29	CYT	peg.1101	CYT	peg.834	CYT	peg.56	IM TM	peg.880	CYT
B2RJX6	CYT	Q7MXD3	CYT	F5X9Q6	CYT	peg.470	CYT	peg.408	CYT	peg.330	CYT	peg.815	CYT
B2RLE6	IM TM	Q7MTI8	CYT	F5X8D2	IM TM	peg.1059	ECP	peg.264	CYT	peg.795	CYT	peg.1001	CYT
B2RJ31	IM LP	Q7MAV5	CYT	F5XC12	IM TM	peg.705	IM TM	peg.1199	CYT	peg.48	CYT	peg.520	IM TM
B2RIF5	CYT	Q7MWB8	CYT	F5XB20	CYT	peg.610	IM TM	peg.332	CYT	peg.456	CYT	peg.1481	CYT
B2RIY6	CYT	Q7MVK3	CYT	F5XBD2	CYT	peg.1821	CYT	peg.1887	IM TM	peg.1142	CYT	peg.529	CYT
B2RII0	PERI	Q7MXD1	IM TM	F5X7H1	CYT	peg.2100	CYT	peg.464	CYT	peg.1049	PorSS	peg.1451	CYT
B2RI78	IM TM	Q7MV72	IM TM	F5XAD4	CYT	peg.1902	CYT	peg.26	CYT	peg.668	ECP	peg.2029	CYT
B2RI77	IM TM	Q7MTF6	IM TM	F5X9T9	CYT	peg.1081	CYT	peg.808	IM	peg.178	CYT	peg.1493	CYT

B2RLB4	IM TM	Q7MX18	CYT	F5X8P3	CYT	peg.1205	IM TM	peg.1660	CYT	peg.1921	CYT	peg.2126	CYT
B2RJ92	CYT	Q7MV35	CYT	F5XCH6	CYT	peg.763	IM TM	peg.473	CYT	peg.1291	CYT	peg.279	PERI
B2RMB7	IM TM	Q7MVF6	CYT	F5XCX8	CYT	peg.1816	CYT	peg.1769	unkno wn	peg.1329	OM LP	peg.1713	ECP
B2RLO9	OM LP	Q7MVL9	CYT	F5X983	CYT	peg.1575	IM TM	peg.1210	CYT	peg.332	CYT	peg.246	CYT
B2RJL4	IM TM	Q7MVU3	CYT	F5X871	IM TM	peg.477	CYT	peg.1151	CYT	peg.962	CYT	peg.1039	CYT
B2RI11	IM TM	Q7MTD1	IM TM	F5XBW3	CYT	peg.1559	IM TM	peg.1940	PERI	peg.276	CYT	peg.1924	CYT
B2RIZ7	CYT	Q7MU57	CYT	F5XAB8	CYT	peg.1141	CYT	peg.30	CYT	peg.2047	CYT	peg.1512	CYT
B2RHZ5	PERI	Q7MUG5	IM TM	F5XB22	CYT	peg.432	CYT	peg.1231	CYT	peg.225	IM TM	peg.1610	CYT
B2RLN4	CYT	Q7MXT4	CYT	F5XCX3	IM TM	peg.1229	CYT	peg.1731	CYT	peg.13	CYT	peg.456	CYT
B2RKT8	CYT	Q7MWH8	CYT	F5XCL6	CYT	peg.1197	CYT	peg.160	CYT	peg.1992	CYT	peg.245	CYT
B2RH52	OM	Q7MTU4	CYT	F5X9Q1	CYT	peg.8	IM TM	peg.340	IM TM	peg.1807	CYT	peg.1438	OM LP
B2RIR6	OM LP	Q7MWD4	CYT	F5XD32	CYT	peg.645	OM LP	peg.113	CYT	peg.517	CYT	peg.550	PERI
B2RIB0	CYT	Q7MV71	CYT	F5X8T8	ECP	peg.1335	CYT	peg.82	CYT	peg.14	IM TM	peg.968	OM LP
B2RJL6	IM TM	Q7MW25	CYT	F5XC91	CYT	peg.1257	CYT	peg.1951	CYT	peg.1785	CYT	peg.2123	IM TM
B2RH04	CYT	Q7MWZ8	CYT	F5X9Y3	CYT	peg.912	CYT	peg.751	CYT	peg.1605	CYT	peg.1140	CYT
B2RH76	IM LP	Q7MU30	IM TM	F5X8U2	OM LP	peg.1671	CYT	peg.250	CYT	peg.1113	CYT	peg.157	CYT
B2RL80	IM TM	Q7MWT2	ECP	F5XBS4	OM	peg.1900	CYT	peg.1001	CYT	peg.653	CYT	peg.1163	CYT
B2RLP5	CYT	Q7MX99	CYT	F5XCG3	CYT	peg.1163	OM	peg.329	PERI	peg.1465	CYT	peg.1762	CYT
B2RLJ6	CYT	Q7MX22	CYT	F5X9Q3	CYT	peg.2020	CYT	peg.1021	CYT	peg.1721	CYT	peg.1410	CYT
B2RL53	CYT	Q7MVN9	IM TM	F5XA52	OM LP	peg.195	CYT	peg.1756	OM	peg.1083	CYT	peg.331	IM LP
B2RLZ7	IM TM	F5HHQ9	CYT	F5XA57	CYT	peg.1073	CYT	peg.95	CYT	peg.1159	IM TM	peg.1856	CYT
B2RHI5	IM TM	Q7MX44	CYT	F5XC10	IM TM	peg.670	CYT	peg.1588	CYT	peg.373	CYT	peg.1625	CYT
B2RI43	IM TM	F5HFB1	CYT	F5XA98	CYT	peg.26	IM LP	peg.604	CYT	peg.2109	CYT	peg.1561	CYT
B2RLA1	IM TM	Q7MXQ8	CYT	F5XBT2	IM TM	peg.1096	CYT	peg.415	CYT	peg.1831	CYT	peg.1176	CYT
B2RH10	PERI	Q7MXY7	IM TM	F5X8P7	PorSS	peg.1186	CYT	peg.746	CYT	peg.920	IM TM	peg.724	CYT
B2RH22	CYT	Q7MUN6	CYT	F5X7K0	CYT	peg.213	CYT	peg.202	PERI	peg.1640	IM TM	peg.1220	CYT
B2RIP5	CYT	Q7MWW4	CYT	F5XAT1	CYT	peg.38	IM TM	peg.938	CYT	peg.844	IM TM	peg.1200	ECP
B2RGM8	CYT	Q7MUT6	CYT	F5XD54	CYT	peg.1067	CYT	peg.54	IM TM	peg.1403	IM TM	peg.294	CYT
B2RJL0	CYT	Q7MSZ1	IM TM	F5XC14	OM	peg.370	OM	peg.624	CYT	peg.2094	CYT	peg.317	CYT
B2RKN3	CYT	Q7MUU0	IM TM	F5X876	CYT	peg.1658	ECP	peg.125	CYT	peg.1228	CYT	peg.1131	CYT
B2RM76	CYT	Q7MV51	CYT	F5XA89	CYT	peg.1273	CYT	peg.1105	CYT	peg.1890	ECP	peg.1016	CYT
B2RMC7	IM TM	Q7MV61	CYT	F5XCL5	CYT	peg.418	PERI	peg.226	OM	peg.1132	IM TM	peg.658	PERI
B2RIM8	OM	Q7MUY3	PERI	F5XB71	OM	peg.487	IM TM	peg.387	CYT	peg.1426	IM TM	peg.718	CYT
B2RLO6	ECP	Q7MXK2	OM LP	F5XCP6	CYT	peg.979	CYT	peg.358	IM TM	peg.775	CYT	peg.1574	CYT
B2RK34	CYT	Q7MT37	IM LP	F5XCE1	CYT	peg.274	CYT	peg.98	CYT	peg.1966	CYT	peg.2147	CYT
B2RK95	CYT	Q7MXQ2	CYT	F5XAV5	unknown	peg.1943	CYT	peg.2001	PERI	peg.1938	IM LP	peg.215	CYT
B2RH53	OM	Q7MTK1	IM TM	F5X9U1	CYT	peg.402	CYT	peg.948	CYT	peg.1450	ECP	peg.875	PERI
B2RJV7	CYT	Q7MTH1	CYT	F5X8J3	OM	peg.681	CYT	peg.15	PERI	peg.694	CYT	peg.386	CYT
B2RLE5	IM TM	Q7MWW4	CYT	F5XB30	CYT	peg.2096	CYT	peg.468	IM LP	peg.429	CYT	peg.688	OM
B2RK88	IM TM	Q7MWJ2	CYT	F5XBF5	CYT	peg.1868	CYT	peg.459	PERI	peg.1254	CYT	peg.483	PERI
B2RJD9	CYT	Q7MU89	ECP	F5XAV5	CYT	peg.1152	CYT	peg.1472	PERI	peg.1696	CYT	peg.85	CYT
B2RLI8	CYT	Q7MT01	IM TM	F5X908	CYT	peg.2051	CYT	peg.1622	IM TM	peg.650	IM TM	peg.1556	IM TM
B2RLM9	CYT	Q7MXR2	IM TM	F5XBM2	CYT	peg.1386	OM	peg.1892	CYT	peg.995	ECP	peg.742	ECP

B2RHI6	IM TM	F5HCK4	CYT	F5X9G6	OM LP	peg.855	ECP	peg.1392	CYT	peg.1747	CYT	peg.1075	CYT
B2RJL2	CYT	Q7MW12	CYT	F5X943	CYT	peg.1672	CYT	peg.1515	CYT	peg.291	CYT	peg.1989	CYT
B2RLJ4	ECP	Q7MU64	CYT	F5XAK6	CYT	peg.836	CYT	peg.861	IM TM	peg.1874	CYT	peg.888	CYT
B2RJN5	PERI	Q7MVU2	CYT	F5X811	ECP	peg.615	CYT	peg.196	CYT	peg.835	IM TM	peg.581	ECP
B2RI46	CYT	Q7MXB5	IM	F5XC89	OM	peg.1497	PERI	peg.101	CYT	peg.1750	CYT	peg.424	CYT
B2RIH1	CYT	Q7MUS0	CYT	F5XC75	CYT	peg.67	CYT	peg.410	CYT	peg.1305	PERI	peg.1632	CYT
B2RJ51	CYT	Q7MX91	PERI	F5XBX6	PorSS	peg.1688	CYT	peg.1614	IM TM	peg.1485	ECP	peg.1662	CYT
B2RKR1	OM	Q7MWB3	CYT	F5XD81	PERI	peg.940	OM	peg.261	IM LP	peg.1852	CYT	peg.98	CYT
B2RJ70	PERI	Q7MV62	CYT	F5XBL2	CYT	peg.939	IM TM	peg.133	CYT	peg.1374	CYT	peg.1873	PERI
B2RL43	CYT	Q7MXA3	ECP	F5XBN9	CYT	peg.947	CYT	peg.1408	CYT	peg.629	CYT	peg.988	IM TM
B2RLP8	CYT	Q7MSY6	IM TM	F5X926	IM TM	peg.443	IM TM	peg.1837	CYT	peg.2017	IM TM	peg.943	IM TM
B2RM58	IM TM	Q7MVZ1	CYT	F5X8G0	IM TM	peg.1586	CYT	peg.767	CYT	peg.752	CYT	peg.612	CYT
B2RL11	PERI	Q7MWD7	CYT	F5XAH6	IM TM	peg.1426	IM TM	peg.116	CYT	peg.1278	CYT	peg.417	CYT
B2RKW0	IM TM	Q7MV07	CYT	F5X8V6	CYT	peg.1110	CYT	peg.1248	IM TM	peg.397	CYT	peg.979	ECP
B2RKF6	CYT	Q7MTW3	IM TM	F5XAR0	CYT	peg.282	CYT	peg.240	CYT	peg.311	CYT	peg.831	ECP
B2RJU4	CYT	Q7MXX8	OM LP	F5XBN3	PERI	peg.718	CYT	peg.1533	CYT	peg.1690	CYT	peg.1604	ECP
B2RIR7	PERI	Q7MT82	IM TM	F5XCL4	IM TM	peg.2061	CYT	peg.888	CYT	peg.1391	CYT	peg.1749	ECP
B2RL86	CYT	Q7MT80	PorSS	F5X964	ECP	peg.707	IM TM	peg.1900	CYT	peg.98	CYT	peg.1827	CYT
B2RL07	IM LP	Q7MUV6	CYT	F5XA78	CYT	peg.1711	ECP	peg.1615	CYT	peg.721	IM TM	peg.2040	CYT
B2RLE3	CYT	Q7MWB5	IM TM	F5X988	CYT	peg.1383	IM TM	peg.383	IM TM	peg.584	CYT	peg.1401	OM
B2RLB2	CYT	Q7MV52	CYT	F5X7B1	CYT	peg.2049	CYT	peg.48	CYT	peg.1137	OM	peg.1516	CYT
B2RLT3	ECP	Q7MWB9	CYT	F5XDG6	CYT	peg.410	CYT	peg.789	IM TM	peg.771	ECP	peg.1153	CYT
B2RLLo	CYT	Q7MTQ4	ECP	F5X7Z8	CYT	peg.1476	ECP	peg.790	CYT	peg.818	CYT	peg.1754	IM TM
B2RI50	OM LP	Q7MUF8	CYT	F5XB15	CYT	peg.727	CYT	peg.2062	ECP	peg.639	IM TM	peg.818	CYT
B2RJZ7	CYT	Q7MSY8	CYT	F5XA86	CYT	peg.35	CYT	peg.218	CYT	peg.1665	IM TM	peg.311	OM LP
B2RLQ2	CYT	Q7MV83	CYT	F5XBQ0	CYT	peg.1134	CYT	peg.392	CYT	peg.1979	ECP	peg.2037	CYT
B2RHH7	CYT	Q7MWE7	CYT	F5XBG1	CYT	peg.1219	OM	peg.585	CYT	peg.1498	IM TM	peg.1583	CYT
B2RIR4	IM LP	Q7MUN4	PERI	F5XAH8	PERI	peg.1744	OM	peg.1224	OM	peg.759	IM TM	peg.1484	IM TM
B2RIU5	IM LP	Q7MWZ3	CYT	F5XB52	CYT	peg.1955	CYT	peg.1782	CYT	peg.2077	CYT	peg.1044	CYT
B2RJQ3	CYT	Q7MXP8	OM	F5X8G8	CYT	peg.1045	CYT	peg.1457	CYT	peg.97	CYT	peg.1285	OM LP
B2RL40	CYT	Q7MWB4	OM LP	F5X8Y8	CYT	peg.847	CYT	peg.300	CYT	peg.1459	CYT	peg.733	CYT
B2RJGo	IM TM	Q7MUF9	IM TM	F5XDf0	CYT	peg.529	CYT	peg.1193	CYT	peg.1205	OM	peg.1264	CYT
B2RL19	IM TM	F5HDS0	CYT	F5XCS2	OM	peg.78	IM TM	peg.1599	PorSS	peg.749	CYT	peg.797	CYT
B2RJA0	IM TM	Q7MSZ0	IM TM	F5XC98	CYT	peg.1488	CYT	peg.1299	CYT	peg.1126	CYT	peg.803	CYT
B2RM11	CYT	Q7MVB2	CYT	F5X810	CYT	peg.964	CYT	peg.1121	CYT	peg.1216	CYT	peg.1469	CYT
B2RL58	IM TM	Q7MW94	IM LP	F5X9L6	IM TM	peg.620	CYT	peg.1482	CYT	peg.366	CYT	peg.1711	CYT
B2RJBo	CYT	Q7MTA1	PERI	F5X953	OM	peg.283	CYT	peg.1259	CYT	peg.115	CYT	peg.1944	CYT
B2RHR3	CYT	Q7MW04	CYT	F5XC78	IM TM	peg.1013	ECP	peg.1335	CYT	peg.1668	CYT	peg.344	CYT
B2RKN7	IM TM	Q7MWW6	CYT	F5X7Y8	OM	peg.1324	OM LP	peg.1594	CYT	peg.1243	CYT	peg.1247	CYT
B2RL4	CYT	Q7MXM8	PorSS	F5XBS8	CYT	peg.409	IM TM	peg.655	CYT	peg.91	CYT	peg.367	CYT
B2RHC8	CYT	Q7MT85	OM LP	F5XD58	CYT	peg.780	CYT	peg.991	IM TM	peg.420	CYT	peg.1004	OM LP
B2RH24	CYT	Q7MVW6	IM TM	F5XAT5	CYT	peg.956	CYT	peg.1994	CYT	peg.269	IM TM	peg.534	CYT
B2RLF3	OM	Q7MWT7	CYT	F5XCF7	CYT	peg.1614	IM TM	peg.1856	CYT	peg.1581	CYT	peg.228	CYT

B2RLM0	CYT	Q7MUQ4	CYT	F5X856	OM	peg.969	CYT	peg.1884	IM TM	peg.1058	CYT	peg.72	CYT
B2RM00	IM TM	Q7MXQ7	CYT	F5X9C9	OM	peg.1217	CYT	peg.2057	IM LP	peg.1442	unknown	peg.1977	CYT
B2RM04	CYT	Q7MTD0	CYT	F5X9W3	CYT	peg.425	IM TM	peg.1512	IM TM	peg.401	IM TM	peg.182	IM TM
B2RMF0	IM TM	Q7MTS9	IM TM	F5X9M8	CYT	peg.953	CYT	peg.639	CYT	peg.1911	CYT	peg.532	CYT
B2RKT0	IM TM	Q7MW28	CYT	F5XAY3	CYT	peg.1462	CYT	peg.2020	CYT	peg.1319	CYT	peg.283	CYT
B2RKG3	CYT	Q7MXT9	CYT	F5XB64	IM TM	peg.580	CYT	peg.1183	CYT	peg.622	CYT	peg.260	IM TM
B2RL39	ECP	Q7MUB7	CYT	F5XAH9	IM TM	peg.841	CYT	peg.1049	CYT	peg.1704	CYT	peg.230	IM TM
B2RLQ5	CYT	Q7MXP6	CYT	F5X7P3	OM LP	peg.366	IM TM	peg.449	IM TM	peg.1586	CYT	peg.1494	PERI
B2RJA3	CYT	F5HHM2	OM	F5X9M3	CYT	peg.1395	CYT	peg.1412	CYT	peg.2148	CYT	peg.221	CYT
B2RJ56	IM TM	Q7MX90	PERI	F5XD65	CYT	peg.1160	CYT	peg.172	CYT	peg.79	CYT	peg.1363	CYT
B2RK12	OM LP	Q7MV99	PERI	F5XDE3	IM TM	peg.1571	PERI	peg.1984	CYT	peg.1771	CYT	peg.1128	CYT
B2RIB4	CYT	Q7MVN2	OM LP	F5XDC6	CYT	peg.1528	IM TM	peg.192	IM	peg.1143	IM TM	peg.2134	CYT
B2RL97	CYT	Q7MW39	CYT	F5X7N1	PERI	peg.1510	CYT	peg.1832	CYT	peg.186	CYT	peg.937	IM TM
B2RKJ2	CYT	Q7MT53	OM LP	F5XAJ2	IM TM	peg.1975	CYT	peg.1500	CYT	peg.1749	IM TM	peg.1442	CYT
B2RHP8	CYT	Q7MVU5	IM TM	F5XC73	CYT	peg.720	CYT	peg.608	CYT	peg.649	CYT	peg.2050	OM
B2RLE7	OM	Q7MT30	CYT	F5XC99	PorSS	peg.909	CYT	peg.780	CYT	peg.1030	CYT	peg.33	CYT
B2RJU9	IM TM	Q7MV03	CYT	F5X9Z9	CYT	peg.168	OM	peg.758	PERI	peg.714	CYT	peg.74	CYT
B2RI99	CYT	Q7MWD0	PERI	F5XB73	IM TM	peg.1829	CYT	peg.1699	CYT	peg.252	CYT	peg.2020	CYT
B2RIN6	CYT	Q7MVZ5	IM TM	F5X872	CYT	peg.628	CYT	peg.337	IM TM	peg.258	CYT	peg.2142	CYT
B2RI64	IM TM	Q7MXM4	IM TM	F5XBA0	IM TM	peg.1752	CYT	peg.702	CYT	peg.1493	CYT	peg.561	IM TM
B2RIX1	CYT	Q7MWD3	CYT	F5X8V0	IM TM	peg.1519	CYT	peg.144	CYT	peg.1431	CYT	peg.104	PorSS
B2RIA2	CYT	Q7MT05	PERI	F5XB98	IM TM	peg.1455	IM TM	peg.477	IM TM	peg.1954	CYT	peg.2118	CYT
B2RKR2	CYT	F5H8T8	PERI	F5XAN2	CYT	peg.2088	CYT	peg.1714	ECP	peg.1436	CYT	peg.963	ECP
B2RKX8	CYT	Q7MWY3	CYT	F5X8N1	PERI	peg.595	CYT	peg.630	CYT	peg.1737	ECP	peg.189	OM
B2RJE3	IM TM	Q7MSY9	CYT	F5XA92	CYT	peg.1781	IM LP	peg.1040	CYT	peg.1511	CYT	peg.624	IM TM
B2RIZ4	CYT	Q7MXY3	PERI	F5XCR7	CYT	peg.1315	IM TM	peg.1497	CYT	peg.413	PERI	peg.408	ECP
B2RK66	IM TM	Q7MW69	CYT	F5XB02	IM TM	peg.606	CYT	peg.2017	CYT	peg.957	PERI	peg.1050	IM
B2RK03	CYT	Q7MUT3	CYT	F5XCM9	CYT	peg.569	PorSS	peg.968	CYT	peg.2002	CYT	peg.48	CYT
B2RK32	CYT	Q7MTQ8	CYT	F5X9Q2	CYT	peg.1018	CYT	peg.823	IM TM	peg.1238	CYT	peg.436	CYT
B2RM85	CYT	Q7MTG2	CYT	F5XC93	IM LP	peg.674	CYT	peg.696	IM TM	peg.2062	CYT	peg.1748	CYT
B2RGT6	PERI	Q7MXA7	IM TM	F5XBY9	OM LP	peg.544	CYT	peg.1524	IM TM	peg.211	IM TM	peg.1551	IM TM
B2RHU3	CYT	Q7MUI1	CYT	F5XAM0	IM LP	peg.268	CYT	peg.971	CYT	peg.171	CYT	peg.1330	CYT
B2RI79	IM TM	F5HDQ9	CYT	F5XCV8	CYT	peg.660	ECP	peg.66	CYT	peg.1094	CYT	peg.1322	OM
B2RLS7	CYT	Q7MV28	CYT	F5XA18	CYT	peg.1179	IM LP	peg.1648	PERI	peg.1333	CYT	peg.258	CYT
B2RIK8	CYT	Q7MW18	CYT	F5XB51	CYT	peg.1967	PERI	peg.525	CYT	peg.1051	CYT	peg.1887	CYT
B2RJF9	IM TM	Q7MX00	CYT	F5XBS7	CYT	peg.2045	PERI	peg.50	CYT	peg.562	IM TM	peg.576	CYT
B2RGW3	CYT	Q7MXL4	CYT	F5XC54	CYT	peg.189	CYT	peg.1608	IM TM	peg.1838	IM TM	peg.1890	CYT
B2RHX0	IM TM	Q7MTR0	CYT	F5XC83	CYT	peg.1296	CYT	peg.1762	OM LP	peg.896	IM TM	peg.23	CYT
B2RL22	PERI	Q7MT78	CYT	F5XBD6	CYT	peg.552	CYT	peg.1738	IM TM	peg.1054	OM	peg.1294	CYT
B2RIW0	CYT	Q7MUC2	ECP	F5X9I0	CYT	peg.1755	PorSS	peg.1144	CYT	peg.1380	ECP	peg.758	PERI
B2RML2	CYT	Q7MW98	CYT	F5X7G5	CYT	peg.1310	IM TM	peg.492	CYT	peg.1474	IM TM	peg.1694	IM TM
B2RI30	CYT	Q7MTZ2	CYT	F5XCX7	CYT	peg.1008	CYT	peg.1308	IM TM	peg.1152	IM TM	peg.1686	CYT
B2RHH5	OM	Q7MU88	IM TM	F5X9H8	CYT	peg.225	OM LP	peg.107	CYT	peg.1014	CYT	peg.455	CYT

B2RIZ8	CYT	Q7MTK2	CYT	F5XCT4	CYT	peg.1125	IM TM	peg.1015	CYT	peg.2034	IM TM	peg.1066	CYT
B2RLM5	CYT	Q7MW78	CYT	F5XCQ0	CYT	peg.787	CYT	peg.181	CYT	peg.120	IM TM	peg.1168	CYT
B2RJR5	CYT	Q7MUD6	CYT	F5XA51	CYT	peg.754	OM LP	peg.1142	CYT	peg.465	CYT	peg.1138	CYT
B2RM97	IM TM	Q7MTP3	CYT	F5XAT8	PERI	peg.1231	CYT	peg.1653	CYT	peg.2088	ECP	peg.631	CYT
B2RGZ0	IM TM	Q7MWX0	IM TM	F5XA12	CYT	peg.468	CYT	peg.1465	OM LP	peg.281	CYT	peg.358	CYT
B2RGV1	ECP	Q7MUS5	CYT	F5XBW1	CYT	peg.1690	CYT	peg.1376	CYT	peg.911	CYT	peg.2076	CYT
B2RLR9	IM TM	Q7MWH2	CYT	F5XAS7	ECP	peg.1765	IM TM	peg.84	IM TM	peg.108	IM LP	peg.1913	CYT
B2RJ80	CYT	Q7MUK8	CYT	F5X951	CYT	peg.1567	IM TM	peg.1424	CYT	peg.2064	CYT	peg.400	CYT
B2RIL7	PorSS	Q7MXM5	PERI	F5XAA5	CYT	peg.1308	CYT	peg.191	IM TM	peg.1549	ECP	peg.410	PERI
B2RKX3	CYT	Q7MWL8	CYT	F5XCS1	IM TM	peg.1894	CYT	peg.279	CYT	peg.1007	CYT	peg.397	CYT
B2RH03	OM	Q7MU76	CYT	F5XB84	ECP	peg.887	CYT	peg.512	CYT	peg.1712	CYT	peg.653	CYT
B2RH55	OM LP	Q7MU44	PERI	F5XBV3	IM TM	peg.1596	CYT	peg.1923	PERI	peg.860	OM	peg.442	IM TM
B2RHF1	CYT	Q7MUF3	CYT	F5X8F1	CYT	peg.514	CYT	peg.382	IM TM	peg.1268	CYT	peg.390	CYT
B2RMC1	OM LP	Q7MWH5	CYT	F5X999	IM TM	peg.153	CYT	peg.509	CYT	peg.2011	PERI	peg.1027	OM LP
B2RH16	IM TM	Q7MT28	OM	F5XDH6	CYT	peg.1638	PERI	peg.134	CYT	peg.1034	CYT	peg.111	IM TM
B2RKP5	CYT	Q7MT68	CYT	F5X9A9	IM TM	peg.1788	CYT	peg.813	CYT	peg.1924	CYT	peg.1449	CYT
B2RJS5	CYT	Q7MVV5	CYT	F5XB61	IM TM	peg.202	CYT	peg.2048	PERI	peg.198	PERI	peg.193	IM TM
B2RI56	CYT	Q7MVA3	CYT	F5XC72	CYT	peg.818	CYT	peg.123	CYT	peg.1526	CYT	peg.721	CYT
B2RLS1	IM TM	Q7MU45	CYT	F5X7K5	CYT	peg.51	ECP	peg.1901	CYT	peg.763	CYT	peg.521	CYT
B2RKE8	IM TM	Q7MXS0	IM TM	F5XD01	CYT	peg.1517	IM TM	peg.667	CYT	peg.1944	CYT	peg.360	IM TM
B2RK36	IM TM	Q7MT69	CYT	F5X7Q8	CYT	peg.1266	CYT	peg.1741	CYT	peg.1010	PERI	peg.760	CYT
B2RHB8	IM TM	Q7MW37	ECP	F5XCN1	CYT	peg.1115	CYT	peg.1630	PorSS	peg.1516	CYT	peg.1530	PERI
B2RH17	CYT	Q7MXS2	CYT	F5X866	CYT	peg.997	CYT	peg.271	CYT	peg.30	CYT	peg.1030	CYT
B2RJG7	PERI	Q7MXF8	CYT	F5X7J9	CYT	peg.1605	IM TM	peg.339	CYT	peg.682	IM TM	peg.1877	CYT
B2RJZ6	CYT	Q7MUA5	CYT	F5XBX3	IM TM	peg.737	CYT	peg.1391	CYT	peg.2055	CYT	peg.1326	IM TM
B2RMB1	CYT	Q7MSY3	PERI	F5XCF1	CYT	peg.1841	CYT	peg.542	PERI	peg.1731	CYT	peg.917	IM TM
B2RHV9	CYT	Q7MV90	IM TM	F5X9D9	CYT	peg.1687	CYT	peg.1242	CYT	peg.2136	CYT	peg.915	IM TM
B2RGW8	CYT	Q7MVY9	CYT	F5XB17	ECP	peg.1708	CYT	peg.1135	CYT	peg.298	CYT	peg.1675	IM TM
B2RHA6	IM TM	Q7MXU1	ECP	F5X8Z0	CYT	peg.1697	CYT	peg.487	CYT	peg.251	CYT	peg.100	IM TM
B2RLQ9	CYT	Q7MUE1	IM TM	F5XA31	IM TM	peg.358	IM TM	peg.2043	CYT	peg.241	ECP	peg.486	PERI
B2RI51	PERI	Q7MUJ9	CYT	F5XA32	CYT	peg.1665	CYT	peg.960	IM TM	peg.940	CYT	peg.1321	OM
B2RIQ9	CYT	Q7MWW6	CYT	F5XBL8	IM TM	peg.1261	CYT	peg.1125	CYT	peg.1840	CYT	peg.1801	IM TM
B2RKV4	IM TM	Q7MSY7	CYT	F5XCG1	CYT	peg.2032	CYT	peg.1677	IM TM	peg.2151	CYT	peg.537	IM TM
B2RIS0	CYT	Q7MXH0	CYT	F5XCM1	CYT	peg.113	IM TM	peg.1266	CYT	peg.1801	CYT	peg.583	IM TM
B2RJT1	IM TM	Q7MW95	CYT	F5XAN6	CYT	peg.1106	CYT	peg.521	ECP	peg.1326	CYT	peg.1581	CYT
B2RHU7	CYT	Q7MVZ9	CYT	F5X7T3	CYT	peg.211	CYT	peg.800	PERI	peg.1162	OM	peg.2022	CYT
B2RJH8	CYT	Q7MU14	CYT	F5XBM5	CYT	peg.829	CYT	peg.1495	CYT	peg.608	CYT	peg.1573	CYT
B2RK06	CYT	Q7MU34	CYT	F5XA48	IM TM	peg.1468	CYT	peg.1184	OM LP	peg.838	IM TM	peg.1301	CYT
B2RM95	ECP	Q7MW75	ECP	F5XA59	CYT	peg.2059	CYT	peg.86	CYT	peg.859	CYT	peg.766	OM LP
B2RMG7	CYT	Q7MTU6	CYT	F5X9Y9	CYT	peg.436	CYT	peg.2056	PERI	peg.346	CYT	peg.504	CYT
B2RH97	IM TM	Q7MX89	CYT	F5X9M5	IM TM	peg.1661	ECP	peg.171	OM LP	peg.1900	CYT	peg.913	CYT
B2RMK3	CYT	Q7MVR2	ECP	F5XAJ8	CYT	peg.1367	ECP	peg.553	CYT	peg.2070	CYT	peg.607	CYT
B2RLK1	CYT	Q7MTF9	CYT	F5XCN4	CYT	peg.1194	IM TM	peg.478	CYT	peg.1646	CYT	peg.941	CYT



B2RLR4	CYT	F5HCM5	CYT	F5X804	CYT	peg.1557	PERI	peg.1946	CYT	peg.987	OM	peg.506	CYT
B2RHS3	CYT	Q7MU5	CYT	F5X7K7	CYT	peg.1136	CYT	peg.1433	CYT	peg.1639	CYT	peg.1018	CYT
B2RJ25	ECP	Q7MVBo	CYT	F5X7M6	CYT	peg.1938	OM	peg.1083	CYT	peg.1580	CYT	peg.1170	IM LP
B2RM23	PERI	Q7MTFo	CYT	F5XBP6	CYT	peg.2098	CYT	peg.739	OM LP	peg.1093	PERI	peg.202	CYT
B2RI24	CYT	Q7MX84	OM	F5XCC8	CYT	peg.945	IM TM	peg.1705	CYT	peg.173	CYT	peg.958	CYT
B2RJU1	CYT	Q7MT27	IM TM	F5XBW2	CYT	peg.1157	OM LP	peg.644	ECP	peg.232	CYT	peg.1594	IM TM
B2RIT5	CYT	Q7MVV3	CYT	F5XD26	CYT	peg.345	CYT	peg.212	IM TM	peg.1121	IM TM	peg.251	IM TM
B2RMC3	CYT	Q7MWM2	CYT	F5XBY2	CYT	peg.663	CYT	peg.1718	CYT	peg.222	CYT	peg.1791	CYT
B2RJT6	CYT	Q7MUP4	IM TM	F5XCX1	CYT	peg.1722	CYT	peg.1805	CYT	peg.501	PorSS	peg.877	OM
B2RI55	CYT	Q7MNV6	IM TM	F5X7V7	OM LP	peg.2041	OM	peg.1828	PorSS	peg.1405	IM TM	peg.1386	CYT
B2RGU0	IM TM	Q7MU05	CYT	F5X8S2	CYT	peg.1447	CYT	peg.1770	CYT	peg.614	CYT	peg.1703	CYT
B2RIV8	CYT	Q7MV37	CYT	F5X935	PERI	peg.122	CYT	peg.1488	CYT	peg.1400	PERI	peg.1795	CYT
B2RIX3	CYT	Q7MTP8	IM TM	F5X9R5	IM TM	peg.1762	CYT	peg.1729	IM LP	peg.1156	IM TM	peg.878	PERI
B2RIZ5	CYT	Q7MV55	CYT	F5X7V6	OM LP	peg.86	PERI	peg.1561	CYT	peg.1926	IM TM	peg.284	CYT
B2RJT4	CYT	Q7MVR5	CYT	F5XD57	CYT	peg.726	IM TM	peg.998	CYT	peg.1825	ECP	peg.701	PorSS
B2RJA4	CYT	Q7MTA5	IM TM	F5X7E9	CYT	peg.1538	CYT	peg.62	CYT	peg.367	IM TM	peg.2034	IM TM
B2RMH4	CYT	Q7MVQ3	CYT	F5XBG9	CYT	peg.474	CYT	peg.1999	IM TM	peg.2091	CYT	peg.1672	CYT
B2RGX2	ECP	Q7MVI5	CYT	F5XCH5	CYT	peg.1245	CYT	peg.1333	CYT	peg.2085	CYT	peg.1824	CYT
B2RHR4	CYT	Q7MUD8	CYT	F5XBPO	CYT	peg.1878	ECP	peg.1672	CYT	peg.458	ECP	peg.2039	CYT
B2RLW5	CYT	Q7MUQ6	IM TM	F5XC9N	IM TM	peg.1909	ECP	peg.1479	CYT	peg.715	CYT	peg.1212	CYT
B2RMJ9	CYT	Q7MVK7	CYT	F5XD03	CYT	peg.329	IM TM	peg.80	ECP	peg.1882	CYT	peg.1402	IM TM
B2RL14	IM TM	Q7MT36	CYT	F5XDGo	CYT	peg.812	CYT	peg.112	OM	peg.66	IM TM	peg.925	OM
B2RM80	ECP	Q7MTX0	ECP	F5X9Bo	CYT	peg.563	ECP	peg.242	CYT	peg.2072	CYT	peg.156	CYT
B2RIS3	CYT	Q7MXW5	CYT	F5X8F3	PERI	peg.1732	CYT	peg.680	CYT	peg.1687	CYT	peg.1956	ECP
B2RLV8	CYT	Q7MTD8	PERI	F5XBKo	CYT	peg.1674	ECP	peg.1035	IM TM	peg.1939	CYT	peg.1452	PERI
B2RIM0	CYT	Q7MTX2	CYT	F5X996	IM TM	peg.230	CYT	peg.252	CYT	peg.1487	CYT	peg.2041	CYT
B2RLA7	CYT	Q7MUC3	IM TM	F5XBV2	CYT	peg.1916	CYT	peg.1897	CYT	peg.1670	CYT	peg.1734	CYT
B2RK78	CYT	Q7MUQ7	CYT	F5XBG3	CYT	peg.697	CYT	peg.200	CYT	peg.627	CYT	peg.1029	unknown
B2RIV7	ECP	F5HE54	CYT	F5X8G9	CYT	peg.700	CYT	peg.239	IM TM	peg.113	OM	peg.522	IM TM
B2RHT4	CYT	Q7MXC2	CYT	F5X9X9	PorSS	peg.60	CYT	peg.1419	CYT	peg.823	CYT	peg.731	CYT
B2RH65	CYT	Q7MXL3	CYT	F5X8W9	CYT	peg.699	CYT	peg.722	CYT	peg.1661	CYT	peg.1088	IM TM
B2RHB9	CYT	Q7MTS2	CYT	F5X8C7	CYT	peg.209	CYT	peg.932	ECP	peg.704	CYT	peg.1647	CYT
B2RMF9	CYT	Q7MTA7	CYT	F5X9R9	CYT	peg.1032	IM TM	peg.1748	IM TM	peg.2135	ECP	peg.1243	OM LP
B2RJA7	CYT	Q7MXR5	CYT	F5XCT6	CYT	peg.1322	OM	peg.920	CYT	peg.2015	IM TM	peg.454	CYT
B2RK07	CYT	Q7MWX9	CYT	F5X8X9	PERI	peg.1835	CYT	peg.803	PorSS	peg.1584	OM LP	peg.1179	CYT
B2RIL3	CYT	Q7MUB3	CYT	F5XCX4	CYT	peg.1729	CYT	peg.714	CYT	peg.387	CYT	peg.370	CYT
B2RH72	PERI	Q7MVI9	CYT	F5X7A1	CYT	peg.1168	CYT	peg.1251	IM TM	peg.1998	CYT	peg.472	OM LP
B2RJB5	CYT	Q7MXN1	CYT	F5X990	IM TM	peg.1051	CYT	peg.1566	CYT	peg.1652	CYT	peg.1683	CYT
B2RHP4	IM TM	Q7MTR9	CYT	F5XAT3	CYT	peg.372	CYT	peg.730	CYT	peg.1269	CYT	peg.744	CYT
B2RIW7	CYT	Q7MUH8	IM TM	F5XC21	CYT	peg.115	CYT	peg.1586	PERI	peg.1128	OM LP	peg.137	CYT
B2RM17	CYT	Q7MUL7	PERI	F5X9K5	CYT	peg.193	CYT	peg.1755	ECP	peg.1752	CYT	peg.556	IM TM
B2RJQ7	CYT	Q7MTU3	CYT	F5XB65	OM	peg.1563	CYT	peg.1381	CYT	peg.1985	ECP	peg.1806	CYT
B2RKG7	CYT	Q7MV33	CYT	F5X883	IM TM	peg.1549	OM	peg.16	CYT	peg.1005	PERI	peg.980	ECP

B2RHU9	CYT	Q7MWD2	CYT	F5XAU1	CYT	peg.163	IM TM	peg.598	CYT	peg.453	PERI	peg.1880	CYT
B2RHT6	CYT	Q7MUP7	CYT	F5X7Yo	PorSS	peg.1043	IM TM	peg.1073	CYT	peg.1139	CYT	peg.1118	ECP
B2RL84	IM TM	Q7MWU7	IM TM	F5XBE2	CYT	peg.768	CYT	peg.109	CYT	peg.1362	CYT	peg.380	CYT
B2RGR9	CYT	Q7MXPo	CYT	F5X8No	PERI	peg.1109	CYT	peg.1680	CYT	peg.1600	CYT	peg.464	CYT
B2RMD3	CYT	Q7MU53	CYT	F5X9A6	CYT	peg.650	IM TM	peg.306	IM TM	peg.590	CYT	peg.872	CYT
B2RHE7	CYT	Q7MXW1	CYT	F5X8o1	IM TM	peg.599	CYT	peg.373	CYT	peg.891	CYT	peg.1652	CYT
B2RMF4	CYT	Q7MVA6	CYT	F5XDE1	IM TM	peg.622	CYT	peg.356	CYT	peg.187	OM	peg.927	CYT
B2RKU1	CYT	Q7MU13	CYT	F5X843	CYT	peg.1863	CYT	peg.182	IM TM	peg.17	IM TM	peg.720	CYT
B2RL75	IM TM	Q7MUH5	CYT	F5XAW9	CYT	peg.935	IM TM	peg.2060	IM TM	peg.652	CYT	peg.1151	CYT
B2RIX7	IM TM	Q7MXH4	CYT	F5XDD6	CYT	peg.1351	PERI	peg.402	CYT	peg.1188	CYT	peg.31	CYT
B2RK9o	CYT	Q7MWK2	CYT	F5XAD7	CYT	peg.1813	IM TM	peg.1547	IM TM	peg.340	CYT	peg.1095	CYT
B2RKI5	IM TM	Q7MAV8	IM TM	F5XB96	PERI	peg.639	IM TM	peg.943	ECP	peg.481	CYT	peg.177	CYT
B2RJA1	CYT	Q7MWQ4	CYT	F5XB77	CYT	peg.1560	IM TM	peg.2022	CYT	peg.2044	CYT	peg.517	CYT
B2RJX1	IM TM	Q7MVX1	CYT	F5XBH5	CYT	peg.76	CYT	peg.1137	CYT	peg.1253	PERI	peg.7	IM TM
B2RK26	CYT	Q7MWE8	PERI	F5X911	CYT	peg.91	PERI	peg.1329	CYT	peg.402	IM TM	peg.682	CYT
B2RL72	IM TM	Q7MU79	CYT	F5X7N5	CYT	peg.316	CYT	peg.1086	CYT	peg.2083	CYT	peg.906	CYT
B2RIE5	CYT	Q7MUN2	IM TM	F5XBK1	CYT	peg.692	CYT	peg.1163	CYT	peg.981	IM LP	peg.1575	PERI
B2RKW1	CYT	Q7MW13	CYT	F5XBB4	CYT	peg.1642	CYT	peg.1303	CYT	peg.760	CYT	peg.1373	CYT
B2RK52	CYT	Q7MXJ2	OM	F5XBZ9	IM LP	peg.2027	CYT	peg.1226	CYT	peg.43	CYT	peg.2003	CYT
B2RH46	ECP	Q7MUT1	IM TM	F5X7D1	IM TM	peg.403	CYT	peg.185	IM TM	peg.80	CYT	peg.1343	IM TM
B2RMH6	CYT	Q7MV96	IM TM	F5X828	CYT	peg.2017	IM TM	peg.2032	CYT	peg.2093	CYT	peg.516	CYT
B2RHU8	CYT	Q7MV63	PERI	F5X8o7	CYT	peg.983	CYT	peg.725	CYT	peg.1022	OM LP	peg.730	CYT
B2RHL8	CYT	Q7MXU7	IM TM	F5XDA1	IM TM	peg.505	CYT	peg.1055	CYT	peg.914	CYT	peg.463	IM TM
B2RIK6	CYT	Q7MX46	CYT	F5XAK8	CYT	peg.399	unknown	peg.688	CYT	peg.1422	CYT	peg.1615	CYT
B2RJ34	OM LP	Q7MTD6	CYT	F5X7E2	IM TM	peg.1055	CYT	peg.1804	CYT	peg.552	CYT	peg.1455	CYT
B2RGV3	CYT	Q7MVH3	CYT	F5X7B2	PorSS	peg.654	CYT	peg.1559	CYT	peg.813	CYT	peg.120	CYT
B2RMK2	CYT	Q7MW19	CYT	F5X8Y4	CYT	peg.773	CYT	peg.1352	OM	peg.2155	IM TM	peg.1398	IM TM
B2RLN2	IM TM	Q7M7B7	CYT	F5XA5o	PERI	peg.157	CYT	peg.1936	PERI	peg.1296	CYT	peg.2077	CYT
B2RGU9	CYT	Q7M7D7	CYT	F5XBY1	CYT	peg.1805	CYT	peg.695	IM TM	peg.2057	CYT	peg.1465	CYT
B2RLU9	IM TM	Q7M791	CYT	F5X8A4	CYT	peg.198	OM LP	peg.1444	CYT	peg.26	CYT	peg.65	CYT
B2RK45	CYT	Q7M796	CYT	F5XDJ2	CYT	peg.43	CYT	peg.1280	CYT	peg.1523	OM	peg.2112	OM
B2RLT8	CYT	Q7M7E9	CYT	F5XCW3	CYT	peg.1332	CYT	peg.1701	CYT	peg.1943	CYT	peg.2095	PERI
B2RGU4	CYT	Q7MV25	PERI	F5X9I2	CYT	peg.649	IM TM	peg.1979	CYT	peg.1504	IM LP	peg.1782	CYT
B2RL36	CYT	Q7BWB8	CYT	F5X9Y2	PorSS	peg.45	CYT	peg.1104	CYT	peg.1429	CYT	peg.50	CYT
B2RKD3	IM TM	Q7M77o	CYT	F5XBQ4	CYT	peg.2008	CYT	peg.1111	CYT	peg.1519	CYT	peg.1413	PorSS
B2RKR7	CYT	Q7M785	CYT	F5XA85	CYT	peg.1629	CYT	peg.1027	OM	peg.75	CYT	peg.833	IM TM
B2RHJ5	PERI	Q7M7H2	CYT	G1UBU6	CYT	peg.1221	ECP	peg.1579	CYT	peg.136	IM TM	peg.1091	IM TM
B2RLJ7	IM TM	Q7M79o	CYT	F5XAK5	CYT	peg.255	CYT	peg.1098	IM TM	peg.1399	IM TM	peg.143	CYT
B2RGR6	IM TM	Q7M7B5	CYT	F5XBU3	CYT	peg.1414	ECP	peg.293	CYT	peg.445	IM TM	peg.1159	CYT
B2RH95	CYT	Q7M7A8	IM TM	F5X8Z6	CYT	peg.1026	IM TM	peg.426	OM LP	peg.1673	CYT	peg.59	IM TM
B2RJY2	CYT	Q7BW91	CYT	F5X8S3	IM TM	peg.977	CYT	peg.1567	IM TM	peg.1626	IM LP	peg.117	CYT
B2RGXo	CYT	Q7M7C8	ECP	F5X7P1	CYT	peg.185	CYT	peg.1354	CYT	peg.478	CYT	peg.1299	CYT
B2RL12	IM TM	Q7M789	CYT	F5XCCo	CYT	peg.421	CYT	peg.1059	CYT	peg.1264	OM LP	peg.829	CYT

B2RHA4	CYT	Q7M7A7	CYT	F5XCk2	CYT	peg.968	IM TM	peg.1691	CYT	peg.191	PERI	peg.1083	CYT
B2RJJ5	IM TM	Q7M7G8	CYT	F5X8Q7	PERI	peg.82	CYT	peg.838	CYT	peg.566	CYT	peg.1214	ECP
B2RIA5	ECP	Q7M7A6	CYT	F5X7R8	CYT	peg.1415	CYT	peg.924	CYT	peg.1073	PERI	peg.1668	CYT
B2RIA6	CYT	Q7M7E7	CYT	F5X9K7	IM TM	peg.898	CYT	peg.1523	OM	peg.6	ECP	peg.1508	CYT
B2RMJ3	CYT	Q7M7B9	CYT	F5XAc7	CYT	peg.550	ECP	peg.1841	IM TM	peg.2039	CYT	peg.547	CYT
B2RHZ6	CYT	Q7M7E2	CYT	F5X867	OM LP	peg.820	IM TM	peg.1722	CYT	peg.1679	CYT	peg.1435	OM
B2RHK9	PorSS	Q7BWB3	CYT	F5X8W2	CYT	peg.239	CYT	peg.10	CYT	peg.18	CYT	peg.1863	CYT
B2RJQ1	CYT	Q7MXX3	CYT	F5X7M8	IM TM	peg.1269	CYT	peg.1201	CYT	peg.576	IM TM	peg.597	CYT
B2RLQ7	PERI	Q7MW71	CYT	F5X9Q4	PERI	peg.895	ECP	peg.1695	IM TM	peg.924	IM LP	peg.1717	CYT
B2RM70	IM TM	Q7MTR1	CYT	F5XAP9	CYT	peg.1330	CYT	peg.753	CYT	peg.337	ECP	peg.775	CYT
B2RL55	CYT	Q7MUF1	CYT	F5XDC0	CYT	peg.2001	OM	peg.1912	CYT	peg.734	CYT	peg.1042	IM TM
B2RJ81	CYT	Q7MT60	CYT	F5X7G1	IM TM	peg.1871	IM TM	peg.1506	CYT	peg.531	CYT	peg.249	PERI
B2RJM6	CYT	Q7MW42	CYT	F5X8H9	CYT	peg.98	CYT	peg.1208	CYT	peg.1279	CYT	peg.93	IM TM
B2RL78	CYT	Q7MT72	CYT	F5XAL3	CYT	peg.2012	CYT	peg.794	CYT	peg.1100	IM TM	peg.254	ECP
B2RLA4	CYT	Q7MX08	PERI	F5X978	CYT	peg.1146	IM TM	peg.864	CYT	peg.524	CYT	peg.346	CYT
B2RHU4	CYT	Q7MT18	IM TM	F5XBG4	CYT	peg.1808	CYT	peg.1468	CYT	peg.32	CYT	peg.901	IM TM
B2RKY7	PERI	Q7MXP5	OM LP	F5X9H7	IM TM	peg.1908	ECP	peg.1234	CYT	peg.1056	IM TM	peg.1350	CYT
B2RGR3	OM LP	Q7MULO	CYT	F5XC16	CYT	peg.638	PERI	peg.99	PERI	peg.1999	CYT	peg.1941	OM LP
B2RM34	ECP	Q7MU69	CYT	F5XCM6	PorSS	peg.850	CYT	peg.1207	CYT	peg.751	CYT	peg.333	CYT
B2RJF4	PERI	Q7MVG3	IM TM	F5X9V3	OM	peg.1345	CYT	peg.397	CYT	peg.473	IM TM	peg.1963	CYT
B2RGR7	IM TM	Q7MT64	CYT	F5X9W7	CYT	peg.534	IM TM	peg.649	PERI	peg.1538	CYT	peg.1927	CYT
B2RHC4	CYT	Q7MV91	CYT	F5XB11	CYT	peg.1966	CYT	peg.231	ECP	peg.1554	CYT	peg.327	CYT
B2RGV7	ECP	Q7MXL5	IM LP	F5XBMO	CYT	peg.590	IM TM	peg.632	PERI	peg.1064	CYT	peg.579	CYT
B2RK87	CYT	Q7MW22	CYT	F5XB40	CYT	peg.1704	CYT	peg.1044	PERI	peg.1835	CYT	peg.1666	CYT
B2RM87	CYT	Q7MV73	CYT	F5XAB2	CYT	peg.1594	CYT	peg.1603	CYT	peg.1521	IM TM	peg.499	CYT
B2RKFo	IM TM	Q7MTV9	OM	F5XD62	OM	peg.1694	CYT	peg.952	CYT	peg.247	CYT	peg.1774	IM TM
B2RME1	CYT	Q7MTH3	CYT	F5XAD2	IM TM	peg.1929	IM TM	peg.314	PERI	peg.1229	CYT	peg.479	OM LP
B2RLP9	OM	Q7MVJ7	CYT	F5X718	CYT	peg.493	PERI	peg.743	CYT	peg.931	IM TM	peg.306	PERI
B2RK63	CYT	Q7MV09	PERI	F5XAM1	CYT	peg.859	CYT	peg.1823	ECP	peg.2031	CYT	peg.131	CYT
B2RJM0	CYT	Q7MTR5	CYT	F5X882	OM	peg.1506	CYT	peg.1290	CYT	peg.1542	IM TM	peg.756	PERI
B2RIH3	CYT	Q7MUI3	CYT	F5XB46	CYT	peg.1444	IM TM	peg.268	CYT	peg.468	CYT	peg.1536	IM TM
B2RHE4	CYT	Q7MXX1	OM LP	F5X8X6	CYT	peg.879	PERI	peg.281	CYT	peg.574	IM TM	peg.431	PorSS
B2RLF5	CYT	Q7MUG6	IM TM	F5X9A5	CYT	peg.1706	CYT	peg.524	CYT	peg.487	IM TM	peg.1770	CYT
B2RK61	CYT	Q7MU36	CYT	F5XD76	CYT	peg.1516	IM TM	peg.1223	PERI	peg.866	CYT	peg.1103	CYT
B2RHS9	PERI	Q7MTA8	CYT	F5XAQ4	CYT	peg.490	CYT	peg.351	PERI	peg.1598	CYT	peg.209	IM TM
B2RM33	IM TM	Q7MU01	CYT	F5XCX2	CYT	peg.12	IM TM	peg.462	CYT	peg.123	CYT	peg.895	CYT
B2RKK3	CYT	Q7MUN5	OM LP	F5X7Q6	OM	peg.287	CYT	peg.1658	IM TM	peg.2131	ECP	peg.1429	CYT
B2RH07	CYT	Q7MXX2	PorSS	F5XBJ8	IM TM	peg.2026	CYT	peg.1596	CYT	peg.1973	OM LP	peg.663	CYT
B2RLG1	IM TM	F5HDB6	PorSS	F5X9D4	CYT	peg.1459	IM TM	peg.657	CYT	peg.1180	CYT	peg.470	PERI
B2RH19	IM TM	Q7MWF0	IM TM	F5X9Z5	CYT	peg.1123	CYT	peg.977	CYT	peg.1934	PERI	peg.12	CYT
B2RM05	CYT	Q7MU17	OM LP	F5XAA3	IM TM	peg.296	CYT	peg.1744	CYT	peg.1230	CYT	peg.185	CYT
B2RIN7	CYT	Q7MVJ0	CYT	F5XAL9	IM TM	peg.1022	CYT	peg.768	CYT	peg.2023	CYT	peg.796	CYT
B2RKG1	CYT	Q7MNV8	PERI	F5X878	IM TM	peg.525	CYT	peg.1669	PERI	peg.1741	OM	peg.1219	PERI

B2RHF8	CYT	Q7MV26	CYT	F5X963	IM TM	peg.813	CYT	peg.100	CYT	peg.1654	CYT	peg.414	CYT
B2RM07	CYT	F5HAC9	OM LP	F5X7B4	CYT	peg.293	CYT	peg.1171	CYT	peg.1592	OM	peg.793	CYT
B2RI13	PERI	Q7MVH0	CYT	F5XB97	CYT	peg.924	CYT	peg.955	CYT	peg.1196	CYT	peg.1578	PERI
B2RJD2	ECP	Q7MW89	CYT	F5XCE8	OM LP	peg.1551	ECP	peg.1450	CYT	peg.3	CYT	peg.1726	CYT
B2RM66	ECP	Q7MW10	CYT	F5X8N4	CYT	peg.1300	CYT	peg.1140	IM TM	peg.883	CYT	peg.727	PERI
B2RK68	CYT	Q7MTI3	CYT	F5X8S1	CYT	peg.757	IM TM	peg.1108	IM TM	peg.2130	CYT	peg.987	CYT
B2RID5	CYT	Q7MUF5	CYT	F5XB33	CYT	peg.151	CYT	peg.1	CYT	peg.1777	CYT	peg.853	CYT
B2RIU9	CYT	Q7MTB9	CYT	F5X7V3	CYT	peg.2104	IM TM	peg.1318	CYT	peg.1441	CYT	peg.777	IM TM
B2RJV9	CYT	Q7MXF5	CYT	F5XBW7	CYT	peg.170	PERI	peg.1811	CYT	peg.787	CYT	peg.975	OM LP
B2RMD7	OM LP	Q7MXN8	IM TM	F5X8M2	CYT	peg.1234	CYT	peg.1733	OM LP	peg.1272	CYT	peg.1810	CYT
B2RME0	CYT	Q7MTD3	CYT	F5XCY8	IM TM	peg.223	CYT	peg.571	CYT	peg.955	CYT	peg.1933	CYT
B2RJG9	CYT	Q7MWP4	CYT	F5XB18	OM	peg.1209	CYT	peg.785	CYT	peg.2111	IM TM	peg.420	PERI
B2RHV0	PERI	Q7MVH5	CYT	F5X7Y7	PERI	peg.1948	CYT	peg.322	OM	peg.528	CYT	peg.1900	CYT
B2RII3	PERI	Q7MUY9	PERI	F5X9Y0	IM TM	peg.1993	CYT	peg.1638	PERI	peg.268	CYT	peg.402	CYT
B2RK39	CYT	Q7MVP7	ECP	F5X7Z4	CYT	peg.333	IM TM	peg.1967	CYT	peg.2102	ECP	peg.666	CYT
B2RJE4	CYT	Q7MX73	IM TM	F5X9N4	CYT	peg.776	CYT	peg.419	PERI	peg.868	PERI	peg.693	IM TM
B2RKC5	CYT	Q7MTJ8	IM TM	F5XCNo	CYT	peg.2022	CYT	peg.1066	OM	peg.1191	IM TM	peg.1503	CYT
B2RLI4	CYT	Q7MVF7	CYT	F5X8C0	CYT	peg.305	PERI	peg.519	CYT	peg.830	CYT	peg.269	CYT
B2RLJ3	CYT	Q7MWJ7	PERI	F5XC85	IM TM	peg.465	CYT	peg.1254	IM TM	peg.1970	IM TM	peg.2053	IM TM
B2RH82	OM LP	Q7MV34	CYT	F5X7L5	IM TM	peg.609	IM LP	peg.941	CYT	peg.673	CYT	peg.438	CYT
B2RK46	CYT	Q7MX2	CYT	F5XDB7	IM TM	peg.1431	PERI	peg.319	PERI	peg.670	unknown	peg.1459	CYT
B2RJ40	CYT	Q7MVS3	CYT	F5XB41	CYT	peg.1063	CYT	peg.1659	CYT	peg.2069	CYT	peg.1883	ECP
B2RIW3	CYT	Q7MT34	CYT	F5XDK0	CYT	peg.1360	IM TM	peg.207	ECP	peg.1363	CYT	peg.572	CYT
B2RHZ1	CYT	Q7MXU4	OM	F5XDG7	CYT	peg.1770	CYT	peg.547	CYT	peg.1657	CYT	peg.161	CYT
B2RHX8	CYT	Q7MVG8	CYT	F5XAT4	CYT	peg.1859	CYT	peg.409	CYT	peg.1370	CYT	peg.892	CYT
B2RIG6	IM TM	Q7MXI6	CYT	F5XBC8	CYT	peg.1156	OM LP	peg.1511	IM TM	peg.381	CYT	peg.1935	CYT
B2RLH5	CYT	Q7MUU5	CYT	F5XCZ9	CYT	peg.1233	ECP	peg.773	CYT	peg.100	CYT	peg.838	CYT
B2RHI8	IM TM	Q7MTB4	CYT	F5X7So	CYT	peg.1854	CYT	peg.827	OM	peg.1693	OM	peg.998	IM LP
B2RKR0	IM TM	Q7MT13	CYT	F5XD39	CYT	peg.302	CYT	peg.1094	CYT	peg.153	PERI	peg.107	PorSS
B2RHJ9	PERI	Q7MUR3	IM TM	F5XB47	OM LP	peg.308	CYT	peg.1663	CYT	peg.2004	CYT	peg.991	CYT
B2RHX4	CYT	Q7MWE2	IM TM	F5XAL6	CYT	peg.1379	IM TM	peg.1409	CYT	peg.1829	CYT	peg.1207	IM TM
B2RII8	IM TM	Q7MT25	PERI	F5X8H6	CYT	peg.79	ECP	peg.1875	CYT	peg.22	CYT	peg.655	IM TM
B2RGT2	PERI	Q7MT15	IM TM	F5X9Z1	CYT	peg.21	ECP	peg.1610	CYT	peg.442	CYT	peg.299	CYT
B2RHQ1	CYT	Q7MTZ0	IM TM	F5X7S9	ECP	peg.560	IM TM	peg.778	OM	peg.1415	CYT	peg.1022	ECP
B2RKD9	CYT	Q7MTV2	CYT	F5XAJ7	CYT	peg.1626	CYT	peg.1046	OM LP	peg.1177	PERI	peg.1690	ECP
B2RJ85	CYT	Q7MUH4	CYT	F5X7Y6	CYT	peg.406	CYT	peg.1518	PERI	peg.618	CYT	peg.1271	CYT
B2RLH7	CYT	Q7MU90	CYT	F5X7Q1	CYT	peg.18	CYT	peg.1215	CYT	peg.1220	CYT	peg.200	PERI
B2RII7	CYT	Q7MTC9	CYT	F5XD40	CYT	peg.1349	unknown	peg.671	CYT	peg.148	PorSS	peg.645	IM TM
B2RJA9	CYT	Q7MVE4	CYT	F5X9X7	OM LP	peg.1499	CYT	peg.5	OM	peg.494	CYT	peg.1065	PERI
B2RL57	CYT	Q7MUY6	CYT	F5XD63	IM TM	peg.1753	CYT	peg.1359	IM TM	peg.886	CYT	peg.28	CYT
B2RLZ9	PERI	Q7MU26	CYT	F5X8I4	PERI	peg.442	CYT	peg.1275	CYT	peg.928	CYT	peg.714	CYT
B2RI52	IM TM	Q7MXJ9	ECP	F5X9B4	CYT	peg.1256	CYT	peg.496	CYT	peg.1732	IM TM	peg.1525	CYT
B2RK80	CYT	Q7MXJ1	OM	F5XBR9	PERI	peg.148	CYT	peg.1540	CYT	peg.1387	CYT	peg.41	IM LP

B2RM29	PERI	Q7MUC7	CYT	F5XCP4	IM TM	peg.803	CYT	peg.904	CYT	peg.50	CYT	peg.773	CYT
B2RJ33	IM TM	Q7MT24	OM	F5X7S4	CYT	peg.2085	IM TM	peg.893	ECP	peg.405	IM	peg.1332	IM TM
B2RHA5	CYT	Q7MWV0	CYT	F5X7T6	CYT	peg.1728	CYT	peg.138	CYT	peg.1175	CYT	peg.364	CYT
B2RKP6	CYT	Q7MWH6	IM TM	F5XAU0	IM LP	peg.730	IM TM	peg.232	CYT	peg.1929	CYT	peg.592	CYT
B2RL71	CYT	Q7MXB8	OM	F5XCY3	CYT	peg.712	IM LP	peg.527	CYT	peg.359	PorSS	peg.1062	CYT
B2RLH6	OM LP	Q7MTY3	CYT	F5X7Wo	CYT	peg.2080	CYT	peg.1542	CYT	peg.1239	CYT	peg.587	CYT
B2RI20	IM TM	Q7MTZ3	CYT	F5X9E3	unknown	peg.135	CYT	peg.1364	CYT	peg.691	CYT	peg.1706	IM TM
B2RJQ8	CYT	Q7MXA0	PERI	F5X9Y5	CYT	peg.629	CYT	peg.1310	CYT	peg.289	OM LP	peg.1569	CYT
B2RIB7	PERI	Q7MU11	CYT	F5XBJ5	ECP	peg.908	CYT	peg.22	CYT	peg.1790	IM TM	peg.1417	CYT
B2RII7	ECP	Q7MWR1	OM	F5XD75	CYT	peg.2004	CYT	peg.435	OM	peg.1018	IM TM	peg.2098	PERI
B2RLE2	CYT	Q7MW20	CYT	F5XAQ9	CYT	peg.1392	CYT	peg.1273	CYT	peg.743	CYT	peg.884	CYT
B2RHC6	PERI	Q7MWM3	CYT	F5X9G2	CYT	peg.57	ECP	peg.914	CYT	peg.1186	OM	peg.226	CYT
B2RI27	ECP	Q7MV24	CYT	F5XAF5	CYT	peg.1494	PERI	peg.2013	CYT	peg.1680	CYT	peg.2100	OM LP
B2RHD4	PERI	Q7MV22	ECP	F5X7Z6	CYT	peg.394	PERI	peg.57	CYT	peg.1011	ECP	peg.685	CYT
B2RJ30	CYT	Q7MW48	CYT	F5X8A7	CYT	peg.1987	CYT	peg.2030	IM TM	peg.1340	CYT	peg.541	CYT
B2RIH7	CYT	Q7MWR3	CYT	F5XBY4	PERI	peg.1452	CYT	peg.1317	CYT	peg.261	IM TM	peg.944	CYT
B2RHC7	unknown	Q7MUK4	CYT	F5XBH4	CYT	peg.1062	CYT	peg.128	CYT	peg.519	CYT	peg.361	IM LP
B2RIA4	CYT	Q7MWY4	CYT	F5X7Z9	CYT	peg.567	PERI	peg.140	CYT	peg.1951	CYT	peg.288	IM TM
B2RJB1	ECP	Q7MWQ0	CYT	F5XAF0	IM TM	peg.2064	CYT	peg.223	CYT	peg.493	CYT	peg.1339	PERI
B2RJR3	CYT	Q7MTB1	CYT	F5X799	CYT	peg.994	CYT	peg.455	CYT	peg.665	OM LP	peg.1275	CYT
B2RHS8	OM LP	Q7MTF8	CYT	F5XD20	CYT	peg.2067	CYT	peg.361	CYT	peg.1457	CYT	peg.354	CYT
B2RHW9	IM TM	Q7MWK0	CYT	F5X8P1	IM LP	peg.1602	ECP	peg.1453	ECP	peg.285	CYT	peg.615	ECP
B2RH51	ECP	Q7MWC1	OM LP	F5XBZ0	PERI	peg.56	IM TM	peg.1458	CYT	peg.2144	CYT	peg.1542	CYT
B2RIU0	CYT	Q7MIT6	IM TM	F5X863	IM TM	peg.1525	CYT	peg.963	CYT	peg.1755	CYT	peg.1678	CYT
B2RLA9	IM TM	Q7MUS2	CYT	F5XD38	CYT	peg.883	OM	peg.2039	CYT	peg.1258	CYT	peg.1444	CYT
B2RMG5	CYT	Q7MUX6	CYT	F5XCU3	CYT	peg.532	CYT	peg.558	IM TM	peg.851	CYT	peg.1269	CYT
B2RM84	CYT	Q7MUL5	OM	F5X7U5	ECP	peg.1421	IM TM	peg.1933	IM TM	peg.1569	CYT	peg.2109	unknown
B2RJG4	CYT	Q7MTC8	OM	F5X9E0	CYT	peg.1389	CYT	peg.155	OM	peg.727	CYT	peg.2072	CYT
B2RJ59	CYT	F5HFX8	OM	F5XCW9	ECP	peg.1479	CYT	peg.412	CYT	peg.1556	CYT	peg.1841	CYT
B2RKG2	CYT	Q7MU21	CYT	F5XAM2	PERI	peg.1305	CYT	peg.744	CYT	peg.2124	CYT	peg.1124	CYT
B2RJP2	CYT	Q7MX78	IM TM	F5X9L2	IM LP	peg.340	CYT	peg.1716	CYT	peg.782	CYT	peg.784	CYT
B2RM27	CYT	Q7MUR0	CYT	F5XA14	CYT	peg.1358	IM TM	peg.981	CYT	peg.1240	CYT	peg.1840	CYT
B2RJ54	CYT	Q7MXR3	CYT	F5XCB3	IM TM	peg.285	CYT	peg.456	IM TM	peg.2053	CYT	peg.1697	CYT
B2RI01	OM	Q7MXR8	OM	F5X7G8	IM TM	peg.796	CYT	peg.763	CYT	peg.1208	IM TM	peg.2067	CYT
B2RK31	IM TM	Q7MIT2	CYT	F5X9R2	CYT	peg.72	CYT	peg.1855	IM TM	peg.1000	PERI	peg.405	IM TM
B2RHY9	CYT	Q7MVD5	CYT	F5XAG5	CYT	peg.324	IM TM	peg.1347	CYT	peg.558	CYT	peg.2062	CYT
B2RHS5	CYT	Q7MXT3	PERI	F5X851	CYT	peg.1192	CYT	peg.1118	CYT	peg.425	CYT	peg.1621	CYT
B2RK48	CYT	Q7MSZ9	CYT	F5X8E6	CYT	peg.613	CYT	peg.889	CYT	peg.783	CYT	peg.1112	CYT
B2RHM2	CYT	Q7MVK2	CYT	F5XBB1	CYT	peg.1278	PERI	peg.1373	PERI	peg.1815	IM TM	peg.1916	IM TM
B2RKR4	CYT	Q7MUL1	ECP	F5XCE2	CYT	peg.1769	CYT	peg.1670	CYT	peg.1471	CYT	peg.262	CYT
B2RKD1	CYT	Q7MTC3	CYT	F5XAD6	CYT	peg.500	CYT	peg.1679	IM TM	peg.207	CYT	peg.1724	CYT
B2RGN0	IM TM	Q7MTN4	CYT	F5XBW4	CYT	peg.540	CYT	peg.1200	IM TM	peg.968	CYT	peg.858	IM TM
B2RIS7	CYT	Q7MW27	CYT	F5XCP0	CYT	peg.1478	CYT	peg.1415	PERI	peg.1356	OM LP	peg.1970	CYT

B2RMC6	CYT	Q7MXC0	OM	F5XCJ0	CYT	peg.1325	OM	peg.1289	CYT	peg.1337	IM TM	peg.813	IM TM
B2RKQ5	IM LP	Q7MU09	CYT	F5X820	CYT	peg.1609	CYT	peg.137	PERI	peg.505	OM	peg.1898	CYT
B2RL30	PorSS	Q7MTI2	PERI	F5X7P9	ECP	peg.1547	CYT	peg.1845	IM TM	peg.68	CYT	peg.1261	IM TM
B2RJD3	CYT	Q7MX52	IM LP	F5X9S4	CYT	peg.678	CYT	peg.1995	CYT	peg.692	CYT	peg.1237	ECP
B2RM89	CYT	Q7MU87	CYT	F5XAB5	CYT	peg.1613	CYT	peg.151	IM TM	peg.2018	IM TM	peg.2082	CYT
B2RI75	CYT	Q7MUZ4	OM	F5XD87	CYT	peg.513	CYT	peg.393	PorSS	peg.436	CYT	peg.1394	CYT
B2RH60	CYT	Q7MXG1	CYT	F5X9P8	CYT	peg.870	CYT	peg.1396	CYT	peg.803	CYT	peg.1255	CYT
B2RJ69	CYT	Q7MX37	CYT	F5XA11	CYT	peg.1710	CYT	peg.1535	CYT	peg.1508	OM LP	peg.1370	CYT
B2RMK6	IM TM	Q7MWO0	PERI	F5XAE1	OM LP	peg.952	CYT	peg.663	CYT	peg.1604	CYT	peg.1995	IM TM
B2RIQ2	OM	Q7MUJ1	CYT	F5XAC1	CYT	peg.2048	CYT	peg.1169	IM TM	peg.1551	CYT	peg.860	IM TM
B2RKF2	IM TM	Q7MV65	PERI	F5XA67	CYT	peg.354	CYT	peg.1382	CYT	peg.702	CYT	peg.77	CYT
B2RIL6	CYT	Q7MTY4	CYT	F5X893	PERI	peg.251	CYT	peg.900	IM TM	peg.754	CYT	peg.2141	OM
B2RHN1	CYT	Q7MUL3	CYT	F5X8Z9	CYT	peg.1170	CYT	peg.1462	CYT	peg.1797	OM LP	peg.1312	PERI
B2RI89	CYT	Q7MXJ6	OM LP	F5XDK8	CYT	peg.1583	IM TM	peg.1270	ECP	peg.1861	IM TM	peg.396	CYT
B2RMI8	PERI	Q7MT14	CYT	F5XBL9	CYT	peg.790	CYT	peg.1917	OM LP	peg.1855	CYT	peg.847	IM TM
B2RGT5	IM TM	Q7MWW0	CYT	F5XDD3	CYT	peg.1961	CYT	peg.1197	CYT	peg.112	IM TM	peg.8	ECP
B2RHP1	CYT	Q7MAW7	CYT	F5XC79	IM TM	peg.1029	PERI	peg.563	CYT	peg.370	CYT	peg.1015	IM TM
B2RJ97	CYT	Q7MVN1	OM	F5XAZ1	PorSS	peg.1401	CYT	peg.557	CYT	peg.748	CYT	peg.1196	CYT
B2RIE1	PERI	Q7MV11	CYT	F5XA17	CYT	peg.1288	CYT	peg.2046	CYT	peg.656	CYT	peg.1657	CYT
B2RJJ2	CYT	Q7MX16	PorSS	F5X7H8	CYT	peg.1184	CYT	peg.1008	IM TM	peg.1703	CYT	peg.376	CYT
B2RMA7	IM TM	Q7MT63	CYT	F5XAN1	CYT	peg.5	CYT	peg.1311	ECP	peg.766	CYT	peg.1009	CYT
B2RJL4	PERI	Q7MXV0	CYT	F5X9P7	CYT	peg.1793	CYT	peg.594	CYT	peg.951	CYT	peg.1745	CYT
B2RHJ2	CYT	Q7MTQ1	PERI	F5X833	CYT	peg.1213	PERI	peg.1681	CYT	peg.872	PERI	peg.1973	CYT
B2RJP7	CYT	Q7MV46	CYT	F5X952	OM LP	peg.1618	PERI	peg.365	CYT	peg.1090	OM	peg.1817	CYT
B2RMA9	CYT	Q7MTE4	IM TM	F5X9E7	CYT	peg.2054	CYT	peg.297	ECP	peg.1312	PERI	peg.427	ECP
B2RJP8	IM TM	Q7MU23	CYT	F5X8M1	CYT	peg.1655	CYT	peg.1156	CYT	peg.104	CYT	peg.1730	IM TM
B2RHG9	PERI	Q7MTY2	PERI	F5X8B1	CYT	peg.277	CYT	peg.1926	CYT	peg.620	PERI	peg.1948	OM LP
B2RLJ5	CYT	Q7MXV1	IM TM	F5XAJ9	CYT	peg.750	OM	peg.1372	CYT	peg.431	CYT	peg.1565	CYT
B2RL96	IM TM	Q7MUJ4	IM TM	F5X9X6	IM TM	peg.1983	CYT	peg.679	CYT	peg.644	OM LP	peg.752	IM TM
B2RJT9	OM	Q7MUC8	CYT	F5X838	PorSS	peg.684	CYT	peg.939	ECP	peg.315	OM LP	peg.1918	IM TM
B2RKE2	CYT	Q7MWX7	IM TM	F5XA97	CYT	peg.587	CYT	peg.1543	CYT	peg.1130	ECP	peg.393	CYT
B2RJ61	CYT	Q7MXQ5	CYT	F5X8G6	CYT	peg.1176	CYT	peg.474	PorSS	peg.797	IM TM	peg.1056	OM LP
B2RKC0	OM LP	Q7MU59	CYT	F5XCS3	IM TM	peg.2039	CYT	peg.1427	CYT	peg.321	IM TM	peg.1368	CYT
B2RJP4	CYT	Q7MW77	PERI	F5XD00	CYT	peg.1429	CYT	peg.505	CYT	peg.1040	CYT	peg.1757	ECP
B2RM60	CYT	Q7MUR2	CYT	F5XAW8	CYT	peg.1224	CYT	peg.333	CYT	peg.536	IM TM	peg.525	CYT
B2RMA8	CYT	Q7MVY5	CYT	F5XCM0	IM TM	peg.1407	CYT	peg.204	IM TM	peg.180	IM TM	peg.1185	CYT
B2RHP6	CYT	Q7MW81	CYT	F5X8R3	CYT	peg.31	IM TM	peg.640	ECP	peg.1799	CYT	peg.216	CYT
B2RJ35	IM TM	Q7MT39	PERI	F5XCP3	IM TM	peg.3	CYT	peg.541	CYT	peg.215	CYT	peg.447	CYT
B2RKQ0	CYT	F5HGU5	PorSS	F5XAD5	CYT	peg.959	CYT	peg.2009	CYT	peg.792	ECP	peg.1134	IM TM
B2RIC1	PERI	Q7MWX6	IM TM	F5XA24	OM	peg.600	CYT	peg.1709	CYT	peg.1462	CYT	peg.1511	CYT
B2RJP3	CYT	Q7MW14	CYT	F5XCY4	CYT	peg.311	CYT	peg.1411	IM TM	peg.1514	CYT	peg.3	CYT
B2RHQ0	CYT	Q7MVD4	IM TM	F5X7S1	ECP	peg.1522	IM TM	peg.970	CYT	peg.1940	CYT	peg.1786	IM TM
B2RGQ8	CYT	Q7MTX4	IM TM	F5XBJ3	PorSS	peg.1077	ECP	peg.429	PERI	peg.1039	CYT	peg.686	IM TM

B2RK18	CYT	Q7MWH1	CYT	F5XAE2	CYT	peg.1960	PERI	peg.416	CYT	peg.1377	CYT	peg.2058	CYT
B2RK11	IM TM	Q7MWD9	IM TM	F5XB03	PERI	peg.1898	CYT	peg.500	CYT	peg.146	IM TM	peg.2030	CYT
B2RLT6	CYT	Q7MW86	CYT	F5XCK3	CYT	peg.28	IM TM	peg.1932	IM TM	peg.57	CYT	peg.2019	IM TM
B2RGM7	IM TM	Q7MWO1	IM TM	F5X7I9	CYT	peg.1683	CYT	peg.1730	CYT	peg.44	CYT	peg.1038	CYT
B2RHKO	ECP	Q7MXG4	IM LP	F5XBW8	ECP	peg.1886	OM	peg.1469	CYT	peg.306	CYT	peg.1608	CYT
B2RJM5	ECP	Q7MWK5	ECP	F5XCF8	IM TM	peg.549	CYT	peg.1358	CYT	peg.415	CYT	peg.343	CYT
B2RKP1	CYT	Q7MXE2	CYT	F5XDK2	CYT	peg.916	OM LP	peg.781	CYT	peg.742	IM TM	peg.1912	CYT
B2RL98	ECP	Q7MVN4	CYT	F5XB53	CYT	peg.1860	CYT	peg.215	CYT	peg.2043	PERI	peg.1456	IM TM
B2RHX5	IM TM	Q7MVA7	CYT	F5XBN8	IM TM	peg.1882	CYT	peg.27	CYT	peg.1059	IM TM	peg.1351	CYT
B2RK47	IM TM	Q7MXQ9	CYT	F5X9J3	CYT	peg.1100	CYT	peg.486	CYT	peg.514	CYT	peg.476	IM TM
B2RHE6	CYT	Q7MUP2	IM TM	F5XAY9	PorSS	peg.853	CYT	peg.265	CYT	peg.1476	CYT	peg.1499	CYT
B2RI68	CYT	Q7MUC1	ECP	F5X8X1	IM TM	peg.955	IM TM	peg.452	CYT	peg.166	IM TM	peg.1354	CYT
B2RL27	PERI	Q7MUP6	CYT	F5XD93	IM TM	peg.795	CYT	peg.91	CYT	peg.194	PERI	peg.1677	CYT
B2RJP5	CYT	Q7MUS9	OM	F5XD33	CYT	peg.941	PERI	peg.465	CYT	peg.948	CYT	peg.708	CYT
B2RIU8	IM TM	Q7MWO5	CYT	F5X847	CYT	peg.1534	CYT	peg.422	CYT	peg.1578	CYT	peg.173	IM TM
B2RHD9	CYT	Q7MX32	CYT	F5XCI3	CYT	peg.1889	CYT	peg.1402	CYT	peg.1570	CYT	peg.2125	CYT
B2RKU5	IM TM	Q7MV80	CYT	F5XD45	CYT	peg.376	OM	peg.2027	CYT	peg.1099	CYT	peg.1364	CYT
B2RLQ4	CYT	Q7MXM1	CYT	F5XBF1	CYT	peg.234	IM TM	peg.804	ECP	peg.300	CYT	peg.1837	IM TM
B2RKZ9	CYT	Q7MXZ0	CYT	F5XAP8	CYT	peg.1686	CYT	peg.493	CYT	peg.841	IM TM	peg.1687	CYT
B2RLD5	PERI	Q7MX06	ECP	F5X9Q9	CYT	peg.1505	CYT	peg.576	CYT	peg.1614	PERI	peg.696	CYT
B2RJ9	CYT	Q7MWA7	CYT	F5XDJ0	PERI	peg.246	CYT	peg.1972	PERI	peg.637	CYT	peg.1710	CYT
B2RGN5	CYT	Q7MTU7	CYT	F5XB28	ECP	peg.659	CYT	peg.483	IM TM	peg.70	IM TM	peg.1034	IM TM
B2RH83	CYT	Q7MTK0	CYT	F5XBU8	CYT	peg.741	CYT	peg.885	IM TM	peg.1124	CYT	peg.330	CYT
B2RKJ3	CYT	Q7MWX1	CYT	F5XCC4	IM TM	peg.1502	IM TM	peg.1793	CYT	peg.1641	IM TM	peg.2014	CYT
B2RI54	PERI	Q7MUW0	CYT	F5X8C8	CYT	peg.2000	CYT	peg.1640	CYT	peg.705	IM TM	peg.337	PERI
B2RI17	ECP	Q7MX35	CYT	F5XBZ2	IM TM	peg.1969	IM LP	peg.841	CYT	peg.903	CYT	peg.861	CYT
B2RKP7	CYT	Q7MTK3	OM LP	F5X8G3	IM TM	peg.1964	IM TM	peg.927	CYT	peg.2076	CYT	peg.130	IM TM
B2RHG7	OM	Q7MWY9	PERI	F5X9R8	CYT	peg.1842	CYT	peg.1698	CYT	peg.1922	PERI	peg.856	ECP
B2RJP7	CYT	Q7MWX5	CYT	F5XBT3	CYT	peg.704	IM TM	peg.1764	CYT	peg.1622	CYT	peg.1743	CYT
B2RK14	CYT	Q7MVT1	IM TM	F5XBZ7	OM LP	peg.1363	CYT	peg.742	CYT	peg.544	IM TM	peg.290	IM TM
B2RIN3	PERI	Q7MXK4	CYT	F5XCD9	CYT	peg.1756	ECP	peg.1960	CYT	peg.776	CYT	peg.611	CYT
B2RKG5	CYT	Q7MWT8	CYT	F5XC48	CYT	peg.69	CYT	peg.1646	IM TM	peg.827	IM TM	peg.1382	OM
B2RKQ4	IM TM	Q7MW80	CYT	F5XA95	IM TM	peg.341	CYT	peg.1080	CYT	peg.1658	CYT	peg.47	CYT
B2RHL7	CYT	Q7MTP9	CYT	F5X7D3	CYT	peg.1292	CYT	peg.1860	CYT	peg.333	ECP	peg.723	IM TM
B2RM26	CYT	Q7MWM4	IM TM	F5XC68	CYT	peg.825	CYT	peg.1432	IM TM	peg.2089	CYT	peg.1562	CYT
B2RGV4	CYT	Q7MVR3	unknown	F5X8I2	CYT	peg.1418	IM TM	peg.1062	IM TM	peg.319	PERI	peg.1439	CYT
B2RHH5	IM TM	Q7MU41	CYT	F5X7C8	OM LP	peg.363	CYT	peg.1890	PERI	peg.1993	OM LP	peg.1961	IM TM
B2RJ05	CYT	Q7MT42	OM	F5XBT6	CYT	peg.36	CYT	peg.315	CYT	peg.1619	CYT	peg.603	CYT
B2RLD8	CYT	Q7MX88	IM TM	F5XDI5	PERI	peg.551	CYT	peg.1011	CYT	peg.331	CYT	peg.1146	CYT
B2RMJ0	PERI	Q7MVE0	CYT	F5XCF4	CYT	peg.716	IM TM	peg.568	CYT	peg.1292	CYT	peg.867	CYT
B2RJW2	OM LP	Q7MUE2	IM TM	F5X8J7	OM	peg.1204	CYT	peg.911	CYT	peg.1758	PERI	peg.171	CYT
B2RIX0	CYT	Q7MVL2	CYT	F5XCA9	CYT	peg.131	CYT	peg.1575	OM	peg.2080	CYT	peg.1256	CYT
B2RJQ5	CYT	Q7MVJ3	CYT	F5XC84	CYT	peg.1901	IM TM	peg.846	PorSS	peg.1153	ECP	peg.244	CYT

B2RH70	IM TM	Q7MX70	ECP	F5X9G5	OM LP	peg.1198	CYT	peg.2063	CYT	peg.177	CYT	peg.1655	IM TM
B2RL34	CYT	Q7MXL7	CYT	F5X9X2	CYT	peg.1875	CYT	peg.546	CYT	peg.579	CYT	peg.806	CYT
B2RHB2	CYT	Q7MXG2	CYT	F5XDK9	CYT	peg.1670	CYT	peg.1623	IM LP	peg.1409	CYT	peg.575	CYT
B2RHK8	OM LP	Q7MTJ6	CYT	F5XBY3	CYT	peg.1867	CYT	peg.670	CYT	peg.1089	OM	peg.212	PorSS
B2RJR8	CYT	Q7MUMo	CYT	F5XCR3	CYT	peg.1810	CYT	peg.909	CYT	peg.12	CYT	peg.1492	ECP
B2RHV4	CYT	Q7MT65	CYT	F5XCW6	CYT	peg.178	CYT	peg.1109	IM TM	peg.2035	CYT	peg.399	CYT
B2RKQ1	CYT	Q7MXG6	CYT	F5X7C3	CYT	peg.646	IM TM	peg.1340	CYT	peg.259	CYT	peg.1920	IM TM
B2RM79	CYT	Q7MT17	IM TM	F5XBS1	CYT	peg.1440	CYT	peg.1247	CYT	peg.1781	CYT	peg.1547	CYT
B2RKS7	ECP	Q7MX20	CYT	F5XBD8	PorSS	peg.1005	OM LP	peg.1292	CYT	peg.686	CYT	peg.1729	CYT
B2RM24	CYT	Q7MU29	CYT	F5X889	CYT	peg.988	CYT	peg.1041	PERI	peg.2171	IM TM	peg.205	IM TM
B2RJ64	OM	Q7MWR6	CYT	F5X880	CYT	peg.1252	OM	peg.515	CYT	peg.1534	OM	peg.1597	CYT
B2RMK7	ECP	Q7MTK7	CYT	F5XBV8	ECP	peg.1070	CYT	peg.1114	CYT	peg.1170	CYT	peg.1831	CYT
B2RGZ4	PERI	Q7MV48	IM TM	F5XCW7	CYT	peg.558	CYT	peg.77	CYT	peg.455	CYT	peg.181	CYT
B2RKJ5	CYT	Q7MX56	CYT	F5X8C4	CYT	peg.1279	CYT	peg.1953	CYT	peg.1832	CYT	peg.443	CYT
B2RGN4	CYT	Q7MWD5	CYT	F5X854	CYT	peg.1082	IM TM	peg.256	CYT	peg.1035	CYT	peg.1598	OM
B2RHA8	CYT	Q7MXU6	IM LP	F5X9G0	CYT	peg.634	CYT	peg.1551	IM TM	peg.845	IM TM	peg.1809	CYT
B2RL90	IM TM	Q7MUS6	CYT	F5XD85	CYT	peg.892	PorSS	peg.301	CYT	peg.128	CYT	peg.124	ECP
B2RJS7	PERI	Q7MV14	CYT	F5X8P5	CYT	peg.1717	CYT	peg.438	CYT	peg.1666	CYT	peg.1888	CYT
B2RIT6	IM TM	Q7MXQ0	CYT	F5X969	CYT	peg.635	IM TM	peg.872	IM TM	peg.1466	CYT	peg.750	CYT
B2RJ24	ECP	Q7MWL5	PERI	F5X9G1	CYT	peg.1576	CYT	peg.1582	CYT	peg.1127	CYT	peg.1814	CYT
B2RM48	CYT	Q7MU60	CYT	F5XCB6	CYT	peg.2092	CYT	peg.1505	CYT	peg.1195	CYT	peg.2026	CYT
B2RHD3	IM TM	Q7MUZ9	CYT	F5X7Z5	CYT	peg.1577	OM LP	peg.1688	CYT	peg.201	CYT	peg.257	PERI
B2RIC2	IM TM	Q7MW82	CYT	F5XD91	CYT	peg.640	IM TM	peg.819	CYT	peg.1135	CYT	peg.2130	IM TM
B2RIN4	CYT	Q7MUK3	OM LP	F5X7H3	IM TM	peg.353	CYT	peg.1758	IM TM	peg.737	CYT	peg.1448	CYT
B2RM21	IM TM	Q7MUU4	IM TM	F5X8C5	IM TM	peg.1142	IM TM	peg.1067	CYT	peg.475	CYT	peg.1204	CYT
B2RKX4	IM TM	Q7MWX4	CYT	F5X7T2	CYT	peg.119	IM TM	peg.1867	CYT	peg.1960	CYT	peg.1945	CYT
B2RK08	CYT	Q7MW40	CYT	F5XAS1	OM LP	peg.1074	IM TM	peg.41	CYT	peg.1591	CYT	peg.1479	CYT
B2RHA2	CYT	Q7MXYo	CYT	F5XBE5	IM TM	peg.259	CYT	peg.195	IM TM	peg.1416	CYT	peg.881	CYT
B2RI87	CYT	Q7MWV5	CYT	F5X8S9	CYT	peg.554	CYT	peg.76	CYT	peg.1328	OM	peg.357	IM TM
B2RI34	CYT	Q7MXN6	IM TM	F5XD89	CYT	peg.1611	CYT	peg.1555	CYT	peg.1315	CYT	peg.450	CYT
B2RI71	CYT	Q7MXRo	IM TM	F5XA05	OM LP	peg.931	CYT	peg.1131	CYT	peg.1919	CYT	peg.1866	CYT
B2RI81	OM	Q7MX81	CYT	F5X8D4	CYT	peg.1319	CYT	peg.2007	CYT	peg.1404	IM TM	peg.196	IM TM
B2RI36	CYT	Q7MVT8	CYT	F5X7F8	OM	peg.687	CYT	peg.1334	IM TM	peg.796	CYT	peg.1489	CYT
B2RHX9	CYT	Q7MT84	IM TM	F5XAW4	OM	peg.823	CYT	peg.1836	CYT	peg.236	CYT	peg.1061	IM TM
B2RLJ9	CYT	Q7MXP2	CYT	F5XB07	PERI	peg.1258	CYT	peg.1786	CYT	peg.676	CYT	peg.1952	IM TM
B2RL23	CYT	Q7MW66	IM TM	F5X8B2	CYT	peg.1228	CYT	peg.346	IM TM	peg.1865	CYT	peg.1250	CYT
B2RLC6	CYT	Q7MU80	OM	F5XCT8	CYT	peg.413	CYT	peg.586	CYT	peg.1082	PERI	peg.469	IM LP
B2RiCo	IM TM	Q7MUTO	IM TM	F5XA65	CYT	peg.1102	PERI	peg.290	CYT	peg.669	PERI	peg.1585	OM LP
B2RK13	CYT	Q7MU49	OM	F5X7D2	IM TM	peg.2013	CYT	peg.736	IM TM	peg.1425	CYT	peg.1347	CYT
B2RK60	CYT	Q7MWE0	IM TM	F5XBY8	OM LP	peg.1523	CYT	peg.168	CYT	peg.1060	PERI	peg.2104	CYT
B2RHP6	OM LP	Q7MV78	CYT	F5XD56	CYT	peg.388	CYT	peg.1964	IM TM	peg.197	CYT	peg.2007	CYT
B2RLG6	CYT	Q7MXV5	IM TM	F5X8G2	CYT	peg.127	CYT	peg.992	IM TM	peg.659	OM LP	peg.1177	CYT
B2RJY9	CYT	Q7MV93	CYT	F5XAK3	CYT	peg.1978	CYT	peg.352	CYT	peg.1527	CYT	peg.1967	IM TM



B2RHLJ3	CYT	Q7MXP9	CYT	F5X8E4	CYT	peg.368	CYT	peg.326	OM LP	peg.2139	CYT	peg.735	OM
B2RJVo	CYT	Q7MX23	IM TM	F5X9C6	IM TM	peg.1740	CYT	peg.603	CYT	peg.1860	OM LP	peg.891	CYT
B2RL42	CYT	Q7MUS1	CYT	F5XAV8	CYT	peg.1648	CYT	peg.890	IM TM	peg.1822	CYT	peg.273	OM LP
B2RKL8	CYT	Q7MXE1	CYT	F5XB39	CYT	peg.1733	CYT	peg.1258	CYT	peg.1166	IM TM	peg.608	CYT
B2RKEo	CYT	Q7MVG4	CYT	F5XB54	PERI	peg.1260	ECP	peg.1963	OM LP	peg.810	CYT	peg.678	CYT
B2RH39	CYT	Q7MX66	CYT	F5XDH1	CYT	peg.194	CYT	peg.1324	CYT	peg.409	CYT	peg.565	IM TM
B2RLJ6	CYT	Q7MWS3	IM TM	F5X7Uo	CYT	peg.1107	CYT	peg.20	IM TM	peg.1247	CYT	peg.667	CYT
B2RJG8	IM LP	Q7MUF6	IM TM	F5XD59	CYT	peg.1173	PorSS	peg.636	ECP	peg.887	CYT	peg.826	ECP
B2RKF3	CYT	Q7MUJ8	CYT	F5X8K3	PERI	peg.1746	IM TM	peg.1120	CYT	peg.152	unknown	peg.704	CYT
B2RH47	ECP	Q7MVD9	CYT	F5X7U8	CYT	peg.1776	IM TM	peg.1572	PERI	peg.217	CYT	peg.1705	IM TM
B2RLX1	CYT	Q7MWP5	ECP	F5XD68	CYT	peg.385	IM TM	peg.235	CYT	peg.1805	CYT	peg.551	CYT
B2RGY3	IM TM	Q7MUJ7	IM TM	F5X8W8	CYT	peg.856	IM TM	peg.1314	IM TM	peg.1867	CYT	peg.2137	IM LP
B2rJ71	CYT	Q7MV16	CYT	F5XA1o	CYT	peg.928	CYT	peg.629	ECP	peg.1351	CYT	peg.1086	CYT
B2RH92	CYT	Q7MWZ9	CYT	F5X837	CYT	peg.993	CYT	peg.816	CYT	peg.877	PERI	peg.162	OM LP
B2RHWo	CYT	Q7MVT5	PERI	F5X9L3	CYT	peg.805	CYT	peg.935	CYT	peg.1768	CYT	peg.383	CYT
B2RLM7	CYT	Q7MTL4	PERI	F5XA71	CYT	peg.1432	ECP	peg.285	CYT	peg.1109	CYT	peg.1472	CYT
B2RL73	CYT	Q7MWG4	CYT	F5XBR7	CYT	peg.1265	IM TM	peg.1827	CYT	peg.1633	IM TM	peg.1117	CYT
B2RI6o	CYT	Q7MTX7	IM	F5XCR8	CYT	peg.1436	IM TM	peg.1773	OM LP	peg.1116	CYT	peg.582	IM TM
B2RH11	CYT	Q7MWF7	CYT	F5X7C7	CYT	peg.1595	CYT	peg.72	CYT	peg.935	CYT	peg.1828	PERI
B2RLV3	IM TM	Q7MTW9	CYT	G1UBU1	CYT	peg.1040	CYT	peg.1654	OM	peg.396	CYT	peg.42	CYT
B2RGZ7	PERI	Q7MW0o	CYT	G1UBU4	OM	peg.899	CYT	peg.706	CYT	peg.62	IM TM	peg.635	IM TM
B2RJU6	IM TM	Q7MW51	IM TM	F5XDC7	CYT	peg.1590	CYT	peg.1483	CYT	peg.1583	CYT	peg.1241	CYT
B2RHL4	CYT	Q7MAV6	CYT	F5X861	CYT	peg.1466	CYT	peg.1985	OM	peg.1184	CYT	peg.1053	CYT
B2RH68	CYT	Q7MT41	PERI	F5XBU5	CYT	peg.1274	CYT	peg.2042	CYT	peg.1063	CYT	peg.1336	CYT
B2RHT5	IM TM	Q7MTC7	CYT	F5XBU9	IM TM	peg.517	CYT	peg.1700	CYT	peg.1070	PERI	peg.68	IM TM
B2RHX1	IM TM	Q7MV88	IM TM	F5X993	CYT	peg.278	CYT	peg.1138	CYT	peg.732	CYT	peg.1400	ECP
B2RJ73	CYT	Q7MX6o	IM TM	F5XBA1	CYT	peg.312	IM TM	peg.1087	CYT	peg.1006	CYT	peg.1461	CYT
B2RIM7	CYT	Q7MUW7	CYT	F5X7J4	PERI	peg.95	CYT	peg.377	CYT	peg.2161	CYT	peg.323	CYT
B2RL66	CYT	Q7MU73	CYT	F5XBRo	CYT	peg.2055	CYT	peg.336	CYT	peg.2108	CYT	peg.1409	IM TM
B2RIL2	CYT	Q7MAV9	IM TM	F5X7N9	PorSS	peg.1627	CYT	peg.697	PERI	peg.1685	CYT	peg.321	CYT
B2RKM5	CYT	Q7MXE8	CYT	F5X7J3	CYT	peg.658	CYT	peg.532	CYT	peg.1323	IM TM	peg.949	CYT
B2RL81	CYT	Q7MTI9	PERI	F5X9K1	CYT	peg.181	CYT	peg.348	CYT	peg.2036	IM TM	peg.2073	CYT
B2RHM4	CYT	Q7MT89	IM TM	F5XASo	OM	peg.1924	PERI	peg.654	IM TM	peg.2165	CYT	peg.198	CYT
B2RK58	CYT	Q7MWE3	OM	F5XBL7	CYT	peg.1481	CYT	peg.1211	IM TM	peg.1873	CYT	peg.1190	CYT
B2RID3	CYT	Q7MV4o	CYT	F5X9Y7	CYT	peg.903	CYT	peg.713	CYT	peg.446	CYT	peg.1416	CYT
B2RL76	CYT	Q7MW29	CYT	F5XCT9	CYT	peg.160	CYT	peg.1563	CYT	peg.1886	IM TM	peg.92	CYT
B2RI9o	CYT	Q7MUX3	CYT	F5X9S6	CYT	peg.1669	CYT	peg.1090	CYT	peg.36	IM TM	peg.133	PERI
B2RJV2	IM TM	Q7MVK6	IM TM	F5X8F4	unknown	peg.783	CYT	peg.104	CYT	peg.1898	CYT	peg.921	PERI
B2RMo9	IM TM	Q7MXK3	unknown	F5X7S6	IM TM	peg.400	CYT	peg.1989	CYT	peg.1767	PERI	peg.800	IM TM
B2RJE6	unknown	Q7MVI2	CYT	F5XBA3	CYT	peg.156	CYT	peg.757	CYT	peg.49	CYT	peg.53	CYT
B2RK77	PERI	Q7MU91	CYT	F5XC65	CYT	peg.1397	CYT	peg.966	CYT	peg.1550	OM	peg.1959	CYT
B2RLC3	IM TM	Q7MW93	CYT	F5XDJ1	CYT	peg.1047	IM TM	peg.822	CYT	peg.1052	CYT	peg.1281	CYT
B2RGM9	IM TM	Q7MTQ3	CYT	F5XC66	CYT	peg.1774	CYT	peg.1377	IM TM	peg.1286	IM TM	peg.1076	IM TM

B2RKKo	CYT	Q7MUM2	CYT	F5X8B1	OM	peg.1456	IM TM	peg.807	CYT	peg.1257	CYT	peg.734	CYT
B2RKE9	IM TM	Q7MWG6	CYT	F5XBP4	IM TM	peg.1283	CYT	peg.1307	IM TM	peg.919	IM TM	peg.58	CYT
B2RKW8	CYT	Q7MXP7	CYT	F5XA96	CYT	peg.215	PorSS	peg.65	ECP	peg.1761	CYT	peg.147	CYT
B2RH28	PERI	Q7MX51	CYT	F5XBH1	OM	peg.1498	CYT	peg.310	CYT	peg.1332	CYT	peg.1869	CYT
B2RKY5	IM TM	Q7MUS7	IM TM	F5XD17	CYT	peg.16	CYT	peg.1711	CYT	peg.2123	CYT	peg.1107	CYT
B2RIT2	OM LP	Q7MTQ2	CYT	F5XBP7	CYT	peg.458	CYT	peg.1607	CYT	peg.648	CYT	peg.61	CYT
B2RH29	CYT	Q7MUR9	PERI	F5XD19	CYT	peg.204	CYT	peg.210	PERI	peg.2158	CYT	peg.103	CYT
B2RKT5	IM TM	Q7MV94	IM TM	F5X992	IM TM	peg.1485	PERI	peg.631	IM TM	peg.1909	CYT	peg.1045	IM TM
B2RLJ3	CYT	Q7MT19	IM TM	F5XCE9	PERI	peg.1529	IM TM	peg.1655	IM TM	peg.86	PERI	peg.628	IM TM
B2RJ72	PorSS	Q7MVZ6	CYT	F5X8Wo	CYT	peg.1086	CYT	peg.1647	CYT	peg.937	CYT	peg.1737	CYT
B2RJ99	CYT	Q7MT59	CYT	F5XAM4	PERI	peg.693	CYT	peg.1145	CYT	peg.1817	CYT	peg.649	CYT
B2RID4	CYT	Q7MWH3	IM TM	F5XCQ3	CYT	peg.1926	CYT	peg.614	CYT	peg.632	CYT	peg.1876	CYT
B2RHY4	ECP	Q7MV31	CYT	F5XBU4	CYT	peg.2076	PERI	peg.2016	CYT	peg.2010	CYT	peg.671	IM TM
B2RM57	CYT	Q7MUE7	PERI	F5X9N8	CYT	peg.1798	CYT	peg.1464	PERI	peg.1878	IM TM	peg.1552	CYT
B2RIJ6	IM TM	Q7MXH7	CYT	F5XCF9	CYT	peg.446	CYT	peg.1591	CYT	peg.130	CYT	peg.223	CYT
B2RLR7	CYT	Q7MVX5	IM TM	F5XCL8	IM TM	peg.596	CYT	peg.791	CYT	peg.2026	CYT	peg.1051	IM
B2RGY4	IM TM	Q7MT22	PERI	F5XBI3	CYT	peg.1911	CYT	peg.853	OM	peg.1794	CYT	peg.17	CYT
B2RLS6	CYT	Q7MW09	CYT	F5XA07	CYT	peg.1804	CYT	peg.1978	CYT	peg.117	CYT	peg.1129	CYT
B2RKE1	PorSS	Q7MX86	CYT	F5X9Vo	CYT	peg.764	CYT	peg.1886	IM TM	peg.338	PorSS	peg.365	IM TM
B2RJJ1	IM TM	Q7MWN6	CYT	F5XCG2	PERI	peg.1989	CYT	peg.685	CYT	peg.1437	CYT	peg.962	CYT
B2RLR2	IM TM	Q7MVF8	CYT	F5X7Q3	CYT	peg.973	CYT	peg.967	CYT	peg.1609	CYT	peg.511	CYT
B2RH30	OM	Q7MU95	unknown	F5X7P8	CYT	peg.1216	CYT	peg.1219	CYT	peg.897	PERI	peg.874	PERI
B2RLD7	CYT	Q7MU37	CYT	F5XCD6	OM	peg.1474	CYT	peg.918	ECP	peg.977	CYT	peg.73	CYT
B2RH96	IM TM	Q7MV95	PERI	F5XD27	CYT	peg.461	PERI	peg.1143	CYT	peg.167	CYT	peg.1005	CYT
B2RLA5	ECP	Q7MV21	CYT	F5XCy9	CYT	peg.9	CYT	peg.1445	OM LP	peg.1302	CYT	peg.368	CYT
B2RIN1	IM TM	Q7MWD6	CYT	F5X981	CYT	peg.886	CYT	peg.147	CYT	peg.1810	CYT	peg.1504	CYT
B2RHQ7	IM TM	Q7MXH6	CYT	F5XB09	CYT	peg.1997	CYT	peg.748	CYT	peg.190	CYT	peg.237	IM LP
B2RK19	CYT	Q7MXH9	IM TM	F5X805	CYT	peg.734	IM TM	peg.1020	CYT	peg.412	CYT	peg.71	CYT
B2RLM1	IM TM	Q7MUB0	PERI	F5XDA6	CYT	peg.337	IM TM	peg.1676	CYT	peg.596	CYT	peg.2117	CYT
B2RIQ4	CYT	Q7MXN4	CYT	F5XB76	CYT	peg.188	PERI	peg.1230	CYT	peg.1120	CYT	peg.531	CYT
B2RMF5	PERI	Q7MSZ8	CYT	F5XCy7	CYT	peg.509	IM LP	peg.369	CYT	peg.970	CYT	peg.1991	CYT
B2RH35	CYT	Q7MXS9	IM TM	F5XC18	CYT	peg.357	CYT	peg.623	CYT	peg.2063	CYT	peg.1695	IM TM
B2RHE3	CYT	Q7MVY1	PERI	F5X8Q3	PERI	peg.2073	CYT	peg.1152	CYT	peg.561	CYT	peg.434	CYT
B2RJ21	IM TM	Q7MUJ6	CYT	F5XBBo	PERI	peg.75	IM TM	peg.619	CYT	peg.212	CYT	peg.409	CYT
B2RKZ6	IM TM	Q7MW23	CYT	F5XD71	IM TM	peg.2086	CYT	peg.1175	CYT	peg.1015	CYT	peg.533	CYT
B2RJ50	PERI	Q7MUE6	IM TM	F5XB34	ECP	peg.875	OM LP	peg.1295	IM TM	peg.1235	CYT	peg.994	PERI
B2RMA4	CYT	Q7MU93	PERI	F5X7Mo	CYT	peg.1856	ECP	peg.31	CYT	peg.419	CYT	peg.460	CYT
B2RH43	CYT	Q7MUK5	CYT	F5XAH3	OM LP	peg.581	IM TM	peg.143	CYT	peg.1574	CYT	peg.1778	CYT
B2RM94	ECP	Q7MUD5	IM TM	F5XC47	CYT	peg.460	ECP	peg.1227	CYT	peg.253	CYT	peg.1740	CYT
B2RHQ2	CYT	Q7MTV0	OM LP	F5XC12	IM TM	peg.1318	PERI	peg.1737	CYT	peg.1814	CYT	peg.1799	CYT
B2RL64	CYT	Q7MUU2	CYT	F5X8P2	CYT	peg.2089	CYT	peg.9	IM TM	peg.912	IM TM	peg.144	IM TM
B2RIV1	CYT	Q7MVW3	IM TM	F5X7T1	CYT	peg.1307	CYT	peg.201	CYT	peg.1734	CYT	peg.1357	IM TM
B2RHW5	CYT	Q7MTG6	CYT	F5XC81	CYT	peg.265	CYT	peg.520	CYT	peg.1955	CYT	peg.1441	PERI

B2RIC8	CYT	Q7MXN3	PERI	F5XB67	OM	peg.1622	CYT	peg.1265	CYT	peg.2054	CYT	peg.780	OM
B2RLA2	IM TM	Q7MWRo	IM TM	F5X920	IM TM	peg.100	IM TM	peg.622	ECP	peg.961	CYT	peg.285	CYT
B2RJ88	CYT	Q7MXH1	OM	F5XAB3	CYT	peg.936	CYT	peg.1528	CYT	peg.1510	CYT	peg.1616	CYT
B2RLU6	CYT	Q7MW11	IM TM	F5XD48	CYT	peg.690	CYT	peg.747	CYT	peg.1265	CYT	peg.755	CYT
B2RKM4	CYT	Q7MTUo	CYT	F5XAY6	OM	peg.1782	CYT	peg.1831	CYT	peg.594	CYT	peg.914	ECP
B2RKT9	CYT	Q7MX97	IM TM	F5X849	CYT	peg.842	CYT	peg.1368	CYT	peg.1548	CYT	peg.1399	CYT
B2RHN0	IM TM	Q7MTY8	CYT	F5X8Z1	CYT	peg.673	ECP	peg.1239	CYT	peg.567	CYT	peg.106	IM TM
B2RKK6	CYT	Q7MT35	PERI	F5XC88	CYT	peg.1372	CYT	peg.1168	CYT	peg.159	IM TM	peg.905	PERI
B2RK09	CYT	Q7MTW8	CYT	F5XBT0	IM TM	peg.456	CYT	peg.117	CYT	peg.2115	CYT	peg.1230	CYT
B2RHK6	CYT	Q7MVK1	CYT	F5XDA4	IM TM	peg.439	CYT	peg.1736	CYT	peg.1367	PERI	peg.151	unknown
B2RI03	CYT	Q7MTR3	OM LP	F5XAM5	CYT	peg.1646	CYT	peg.1862	CYT	peg.33	IM TM	peg.1846	CYT
B2RH12	OM LP	Q7MW16	CYT	F5X9J2	CYT	peg.483	CYT	peg.53	PERI	peg.2128	OM	peg.2133	IM TM
B2RGX1	CYT	Q7MXC4	IM TM	F5XAQo	CYT	peg.1139	CYT	peg.2028	CYT	peg.2065	CYT	peg.1295	CYT
B2RJ98	CYT	Q7MT75	OM	F5XCJ6	CYT	peg.1632	ECP	peg.1683	CYT	peg.1105	IM TM	peg.392	CYT
B2RGT9	CYT	Q7MTE2	PorSS	F5X7Z7	CYT	peg.1132	OM	peg.774	CYT	peg.769	CYT	peg.825	CYT
B2RL99	CYT	Q7MTB2	CYT	F5XA44	PERI	peg.1749	CYT	peg.599	CYT	peg.1112	CYT	peg.1430	CYT
B2RMJ4	CYT	Q7MVQ2	CYT	F5XCYo	PERI	peg.407	CYT	peg.1883	CYT	peg.1541	CYT	peg.437	CYT
B2RIS1	CYT	Q7MVL7	CYT	F5X7K8	IM TM	peg.68	CYT	peg.386	CYT	peg.1140	CYT	peg.2113	ECP
B2RL91	ECP	Q7MWQ6	IM TM	F5X885	IM TM	peg.1768	ECP	peg.1877	CYT	peg.817	IM TM	peg.1821	CYT
B2RLN0	CYT	Q7MU82	IM TM	F5XB62	IM TM	peg.52	CYT	peg.1634	CYT	peg.1937	OM	peg.194	CYT
B2RI21	CYT	Q7MXA8	PERI	F5X7M9	OM LP	peg.1599	IM TM	peg.1514	OM	peg.1031	IM TM	peg.509	CYT
B2RJW9	CYT	Q7MVS1	CYT	F5XCEo	CYT	peg.11	CYT	peg.441	IM TM	peg.299	CYT	peg.652	IM TM
B2RKF9	OM	Q7MWJ4	PERI	F5X9R4	IM TM	peg.1815	CYT	peg.1407	CYT	peg.1784	CYT	peg.1099	CYT
B2RJ96	CYT	Q7MWE6	CYT	F5XBZ8	PERI	peg.1834	IM TM	peg.341	OM LP	peg.547	CYT	peg.401	IM TM
B2RHQ4	CYT	Q7MX64	PERI	F5XAN8	CYT	peg.2060	CYT	peg.1022	IM TM	peg.1720	CYT	peg.1422	IM TM
B2RKW3	CYT	Q7MW17	CYT	F5X9I1	CYT	peg.224	OM	peg.750	CYT	peg.956	CYT	peg.1557	ECP
B2RKM6	CYT	Q7MTH5	CYT	F5XBA6	CYT	peg.1299	CYT	peg.469	CYT	peg.923	CYT	peg.1155	CYT
B2RHP5	CYT	Q7MVB5	CYT	F5XBE8	CYT	peg.107	CYT	peg.675	CYT	peg.1411	CYT	peg.916	CYT
B2RH67	CYT	Q7MVC0	CYT	F5XCl7	PERI	peg.1149	CYT	peg.1029	CYT	peg.1513	CYT	peg.418	CYT
B2RJS1	OM LP	Q7MXy5	ECP	F5X8V9	CYT	peg.1230	CYT	peg.96	CYT	peg.372	CYT	peg.220	PERI
B2RJM4	CYT	Q7MWBo	PERI	F5X9D3	PorSS	peg.426	CYT	peg.2000	CYT	peg.510	CYT	peg.816	OM
B2RI35	CYT	Q7MT10	OM LP	F5XAU7	OM	peg.817	CYT	peg.47	CYT	peg.229	PERI	peg.332	CYT
B2RKY4	IM TM	Q7MWN2	CYT	F5XC41	CYT	peg.1639	IM TM	peg.1050	IM TM	peg.1453	CYT	peg.2078	CYT
B2RJ52	CYT	Q7MTY5	IM TM	F5XBQ7	CYT	peg.1126	CYT	peg.947	IM TM	peg.282	IM TM	peg.1137	CYT
B2RLF1	OM	Q7MTH8	CYT	F5XBA8	IM LP	peg.1891	CYT	peg.1473	CYT	peg.324	CYT	peg.250	IM TM
B2RIM2	CYT	Q7MUZ5	CYT	F5XBV9	CYT	peg.1709	CYT	peg.4	CYT	peg.1713	CYT	peg.1325	CYT
B2RJY8	CYT	Q7MVJ8	CYT	F5X7Eo	IM TM	peg.1973	ECP	peg.602	CYT	peg.695	CYT	peg.350	CYT
B2RK71	CYT	Q7MUQ2	CYT	F5XD44	CYT	peg.1606	CYT	peg.1939	OM LP	peg.1077	OM	peg.1626	CYT
B2RH37	OM LP	Q7MTP2	CYT	F5XCJ8	CYT	peg.242	CYT	peg.1250	IM TM	peg.683	OM LP	peg.1390	CYT
B2RLG2	CYT	Q7MW34	CYT	F5XCM2	CYT	peg.53	CYT	peg.243	ECP	peg.40	IM TM	peg.1284	IM TM
B2RJ94	CYT	Q7MX85	CYT	F5X9N7	CYT	peg.1698	CYT	peg.764	CYT	peg.1067	ECP	peg.1857	CYT
B2RME6	CYT	Q7MWW3	CYT	F5XB14	ECP	peg.1089	CYT	peg.1723	CYT	peg.2097	CYT	peg.97	CYT
B2RKC1	CYT	Q7MX01	CYT	F5X819	OM	peg.1342	CYT	peg.581	ECP	peg.109	OM	peg.318	CYT

B2RK29	CYT	Q7MTC2	CYT	F5XBL4	IM TM	peg.301	CYT	peg.405	CYT	peg.994	PERI	peg.165	PERI
B2RHJ6	PERI	Q7MWT3	CYT	F5X7N2	CYT	peg.1944	CYT	peg.1002	CYT	peg.2008	IM TM	peg.717	PERI
B2RJ78	unknown	Q7MXM7	CYT	F5X917	IM TM	peg.1241	PERI	peg.1893	CYT	peg.1697	CYT	peg.1026	CYT
B2RJV1	CYT	Q7MU70	CYT	F5XAX0	ECP	peg.417	OM	peg.118	IM TM	peg.310	CYT	peg.1716	IM TM
B2RHQ5	CYT	Q7MTI5	CYT	F5XCC5	IM TM	peg.1058	CYT	peg.1296	IM TM	peg.588	CYT	peg.1308	IM TM
B2RI22	CYT	Q7MXT0	CYT	F5XDG5	CYT	peg.327	CYT	peg.1754	CYT	peg.509	IM TM	peg.1130	IM TM
B2RKZ3	CYT	Q7MVL4	CYT	F5X7Ro	CYT	peg.680	CYT	peg.246	CYT	peg.1744	CYT	peg.1936	IM TM
B2RM96	CYT	Q7MXB7	IM LP	F5XBL5	CYT	peg.618	CYT	peg.574	CYT	peg.1847	IM TM	peg.1522	ECP
B2RLP6	CYT	Q7MUD2	CYT	F5XC34	CYT	peg.30	IM TM	peg.1814	CYT	peg.1691	CYT	peg.1984	CYT
B2RKDo	IM TM	Q7MX53	CYT	F5XA19	CYT	peg.210	CYT	peg.269	ECP	peg.1707	CYT	peg.1591	IM TM
B2RJK2	CYT	Q7MVL3	IM TM	F5XAE6	CYT	peg.1761	PERI	peg.704	IM TM	peg.466	CYT	peg.158	CYT
B2RL31	PERI	F5H948	OM LP	F5XD35	IM TM	peg.978	IM TM	peg.798	CYT	peg.758	IM TM	peg.1761	CYT
B2RH27	CYT	Q7MUZ3	CYT	F5X923	IM TM	peg.1185	ECP	peg.1146	CYT	peg.623	CYT	peg.423	CYT
B2RGPo	CYT	Q7MX83	IM TM	F5XAH5	IM TM	peg.583	IM TM	peg.1009	PERI	peg.1260	OM	peg.2090	CYT
B2RGV2	IM TM	Q7MVP8	CYT	F5XAW2	OM LP	peg.371	OM	peg.1957	PERI	peg.1826	ECP	peg.1021	IM TM
B2RIY3	IM TM	F5HAB9	PERI	F5XAC9	CYT	peg.1189	CYT	peg.162	CYT	peg.1800	PERI	peg.1180	CYT
B2RHY0	CYT	Q7MW73	CYT	F5X8X8	OM LP	peg.521	ECP	peg.169	CYT	peg.834	PERI	peg.1661	CYT
B2RL11	OM LP	Q7MWW7	CYT	F5XAR8	PERI	peg.1039	CYT	peg.375	OM LP	peg.498	CYT	peg.689	CYT
B2RKF4	CYT	Q7MU17	CYT	F5XB57	IM TM	peg.273	CYT	peg.32	IM TM	peg.722	CYT	peg.2086	CYT
B2RKZo	CYT	Q7MWU3	IM TM	F5X9P0	PERI	peg.719	CYT	peg.233	IM TM	peg.854	PERI	peg.1720	CYT
B2RM88	CYT	Q7MW47	CYT	F5XD79	IM TM	peg.1406	IM TM	peg.1454	CYT	peg.290	IM TM	peg.1010	PERI
B2RH09	IM TM	Q7MUF0	CYT	F5XA75	CYT	peg.25	CYT	peg.323	ECP	peg.1727	CYT	peg.659	CYT
B2RM69	IM TM	Q7MUM7	CYT	G1UBU7	OM LP	peg.1587	CYT	peg.2036	IM TM	peg.1660	CYT	peg.490	PERI
B2RLF9	CYT	Q7MV22	CYT	F5X932	PERI	peg.1679	CYT	peg.658	CYT	peg.1629	CYT	peg.15	CYT
B2RM49	CYT	Q7MWD8	IM TM	F5X800	IM TM	peg.2097	PERI	peg.457	PERI	peg.1390	IM TM	peg.371	CYT
B2RLD4	IM TM	Q7MXS5	CYT	F5X8M0	CYT	peg.1044	OM LP	peg.1969	CYT	peg.1044	CYT	peg.112	IM TM
B2RL83	CYT	Q7MUN9	CYT	F5X8H0	CYT	peg.1617	CYT	peg.1765	IM TM	peg.435	CYT	peg.1266	IM TM
B2RH88	ECP	Q7MVM4	OM	F5X7A4	IM TM	peg.110	OM	peg.1538	IM TM	peg.96	CYT	peg.1028	CYT
B2RJU0	CYT	Q7MTD2	IM TM	F5XAV9	PERI	peg.1700	CYT	peg.1238	CYT	peg.1026	IM TM	peg.1162	OM
B2RLH4	CYT	Q7MUC4	IM TM	F5XC00	ECP	peg.89	CYT	peg.1157	CYT	peg.696	CYT	peg.2066	PERI
B2RLl9	IM TM	Q7MV58	CYT	F5X7A3	CYT	peg.1352	ECP	peg.127	CYT	peg.1968	PERI	peg.933	CYT
B2RLP7	IM TM	Q7MW96	CYT	F5X8Jo	OM LP	peg.90	IM TM	peg.8	CYT	peg.1497	CYT	peg.140	CYT
B2RH61	CYT	Q7MX43	CYT	F5XC19	CYT	peg.528	CYT	peg.1257	PERI	peg.944	CYT	peg.482	CYT
B2RKH6	ECP	Q7MW63	IM TM	F5X913	CYT	peg.250	CYT	peg.224	CYT	peg.723	CYT	peg.1633	CYT
B2RI47	IM TM	Q7MWI3	CYT	F5X9T5	CYT	peg.605	IM TM	peg.2003	PERI	peg.807	CYT	peg.266	ECP
B2RM30	CYT	Q7MTZ7	CYT	F5XAI5	IM TM	peg.1932	CYT	peg.1620	CYT	peg.929	IM TM	peg.621	CYT
B2RJQ6	CYT	Q7MVR9	CYT	F5XBN0	CYT	peg.143	CYT	peg.450	CYT	peg.800	CYT	peg.1643	CYT
B2RIM4	PERI	Q7MWQ3	CYT	F5X900	CYT	peg.1012	CYT	peg.1531	CYT	peg.90	ECP	peg.293	CYT
B2RME7	PERI	Q7MUE0	IM TM	F5X948	OM	peg.1461	PERI	peg.1597	PERI	peg.2014	PorSS	peg.562	ECP
B2RH42	CYT	Q7MTH9	CYT	F5XA19	CYT	peg.537	IM TM	peg.1934	IM TM	peg.116	CYT	peg.1904	IM TM
B2RLW1	CYT	Q7MVF4	CYT	F5X961	IM TM	peg.1475	IM TM	peg.1684	IM TM	peg.1275	CYT	peg.1765	CYT
B2RHQ3	IM TM	Q7MV53	CYT	F5X9N2	CYT	peg.1425	CYT	peg.974	IM TM	peg.426	CYT	peg.1225	IM TM
B2RKH7	CYT	Q7MUY4	IM TM	F5XCX0	PERI	peg.1956	IM TM	peg.1439	CYT	peg.421	PERI	peg.312	OM LP

B2RIK4	IM TM	Q7MV44	CYT	F5XBS6	CYT	peg.1542	ECP	peg.413	CYT	peg.343	OM LP	peg.641	CYT
B2RH66	IM TM	Q7MXA2	IM TM	F5X8S6	CYT	peg.449	CYT	peg.488	CYT	peg.1918	CYT	peg.1872	CYT
B2RH80	CYT	Q7MU85	IM TM	F5X9N6	CYT	peg.2036	CYT	peg.1863	CYT	peg.733	CYT	peg.1580	CYT
B2RGV5	IM TM	Q7MTG3	PERI	F5XAP1	CYT	peg.848	CYT	peg.855	IM TM	peg.1565	CYT	peg.1108	IM LP
B2RJV3	OM LP	Q7MTD7	CYT	F5X968	CYT	peg.40	CYT	peg.976	CYT	peg.709	CYT	peg.88	IM TM
B2RL38	PERI	Q7MTV7	CYT	F5XDD5	CYT	peg.1321	OM LP	peg.986	CYT	peg.871	IM TM	peg.819	OM
B2RKX0	CYT	Q7MTU2	CYT	F5XDA0	PERI	peg.1843	CYT	peg.1288	CYT	peg.1244	CYT	peg.1603	CYT
B2RKL0	IM TM	Q7MVM5	CYT	F5XBR3	CYT	peg.1555	OM LP	peg.385	IM TM	peg.1227	CYT	peg.1468	PERI
B2RK30	CYT	Q7MVH2	CYT	F5XD92	OM LP	peg.1180	IM TM	peg.779	IM TM	peg.277	CYT	peg.307	OM LP
B2RH79	CYT	Q7MWU4	CYT	F5X9F9	CYT	peg.1095	CYT	peg.1859	CYT	peg.78	CYT	peg.1753	IM TM
B2RKJ8	CYT	Q7MVW2	CYT	F5XB31	OM	peg.948	IM LP	peg.980	CYT	peg.185	CYT	peg.1259	CYT
B2RLE0	CYT	Q7MUR8	CYT	F5X962	CYT	peg.1518	CYT	peg.129	CYT	peg.1851	CYT	peg.741	CYT
B2RJ63	IM TM	Q7MVJ1	CYT	F5XBG7	OM	peg.281	CYT	peg.1529	CYT	peg.143	IM TM	peg.560	IM TM
B2RIR8	CYT	Q7MU12	CYT	F5X9V9	CYT	peg.706	CYT	peg.860	OM	peg.392	CYT	peg.1906	IM TM
B2RJR9	CYT	Q7MXM6	IM TM	F5XCN2	CYT	peg.1384	CYT	peg.1819	IM TM	peg.1144	IM TM	peg.1884	CYT
B2RKR5	CYT	Q7MUB4	IM TM	F5XDJ6	CYT	peg.1218	CYT	peg.81	ECP	peg.863	CYT	peg.87	CYT
B2RJ12	PERI	Q7MWF3	ECP	F5X7X2	CYT	peg.320	IM LP	peg.523	CYT	peg.1318	CYT	peg.1181	IM TM
B2RJ44	IM TM	Q7MXQ1	CYT	F5X9E8	CYT	peg.208	CYT	peg.828	CYT	peg.1213	CYT	peg.1566	CYT
B2RI62	IM TM	Q7MT45	CYT	F5X795	IM TM	peg.373	OM	peg.923	CYT	peg.560	ECP	peg.1660	CYT
B2RGV0	IM TM	Q7MWS0	ECP	F5XAV2	IM TM	peg.1741	OM LP	peg.1810	CYT	peg.643	CYT	peg.2115	CYT
B2RIX2	CYT	Q7MX14	IM TM	F5X9J7	PERI	peg.862	CYT	peg.1712	CYT	peg.160	CYT	peg.1768	CYT
B2RLG3	CYT	Q7MUW9	CYT	F5XCT2	CYT	peg.381	IM TM	peg.394	IM TM	peg.1428	CYT	peg.848	CYT
B2RJ23	CYT	Q7MU58	CYT	F5X7M2	CYT	peg.2050	CYT	peg.384	CYT	peg.1910	CYT	peg.749	CYT
B2RK16	unknown	Q7MU06	CYT	F5X7U6	ECP	peg.745	CYT	peg.1982	CYT	peg.1714	CYT	peg.2096	IM TM
B2RGW6	CYT	Q7MXL6	CYT	F5X8E1	CYT	peg.1716	PERI	peg.178	CYT	peg.360	IM TM	peg.1978	CYT
B2RKJ4	CYT	Q7MVX4	IM TM	F5X929	PorSS	peg.504	IM LP	peg.1666	CYT	peg.378	IM TM	peg.44	IM TM
B2RGW0	CYT	Q7MWT0	IM TM	F5XD55	CYT	peg.325	IM TM	peg.381	CYT	peg.1398	CYT	peg.1331	unknown
B2RLS2	CYT	Q7MW50	IM TM	F5XAV4	CYT	peg.24	CYT	peg.1950	CYT	peg.1203	OM LP	peg.1369	CYT
B2RI49	IM TM	Q7MWK1	CYT	F5X7M4	CYT	peg.272	CYT	peg.626	CYT	peg.878	IM TM	peg.1412	CYT
B2RKY3	IM TM	Q7MU15	CYT	F5XAA2	CYT	peg.1075	CYT	peg.1509	CYT	peg.2056	CYT	peg.622	CYT
B2RL87	CYT	Q7MXX1	PERI	F5X909	IM TM	peg.760	CYT	peg.467	IM TM	peg.1694	IM TM	peg.557	CYT
B2RGZ8	CYT	Q7MUR1	IM TM	F5XCZ8	CYT	peg.951	CYT	peg.11	CYT	peg.1061	CYT	peg.1538	CYT
B2RLD3	IM TM	Q7MUM1	ECP	F5X7T4	CYT	peg.617	CYT	peg.342	IM TM	peg.1421	IM TM	peg.1589	PERI
B2RK64	CYT	Q7MWG7	CYT	F5XAZ5	IM TM	peg.512	CYT	peg.1149	CYT	peg.422	CYT	peg.2140	CYT
B2RJP6	CYT	Q7MU72	CYT	F5XCR6	CYT	peg.1544	CYT	peg.770	PorSS	peg.45	CYT	peg.261	IM TM
B2RM91	IM TM	Q7MU12	IM TM	F5XCM7	PERI	peg.1612	CYT	peg.1467	CYT	peg.992	OM LP	peg.781	CYT
B2RMD6	IM TM	Q7MW15	CYT	F5XAK1	CYT	peg.907	CYT	peg.1233	CYT	peg.1053	ECP	peg.1715	OM
B2RKS3	CYT	Q7MWA9	CYT	F5X9R1	CYT	peg.1404	PERI	peg.1881	PERI	peg.263	ECP	peg.313	OM LP
B2RGQ4	CYT	Q7MX67	CYT	F5XB01	IM TM	peg.1794	CYT	peg.745	CYT	peg.599	CYT	peg.1234	CYT
B2RLR5	ECP	Q7MV15	IM TM	F5XAH4	IM TM	peg.284	IM TM	peg.946	IM TM	peg.2149	PERI	peg.1265	CYT
B2RLJ9	CYT	Q7MTT3	ECP	F5X7B8	OM	peg.588	IM TM	peg.510	IM TM	peg.1692	CYT	peg.1901	CYT
B2RIM1	CYT	Q7MTU9	IM TM	F5XAB0	CYT	peg.545	CYT	peg.64	CYT	peg.511	CYT	peg.1186	IM LP
B2RLT0	CYT	Q7MWP6	CYT	F5XCL9	CYT	peg.1714	PERI	peg.832	CYT	peg.1667	CYT	peg.2099	PERI

B2RIQ5	CYT	Q7MU20	CYT	F5X8M4	CYT	peg.2047	OM	peg.359	CYT	peg.1706	CYT	peg.1491	CYT
B2RLL3	OM LP	Q7MW57	PERI	F5XAR2	CYT	peg.1239	IM TM	peg.1272	CYT	peg.1597	CYT	peg.395	CYT
B2RHF4	ECP	Q7MWF9	CYT	F5X8Q4	CYT	peg.1355	OM LP	peg.1719	PERI	peg.2051	CYT	peg.1634	CYT
B2RK76	CYT	Q7MTG5	CYT	F5X7N6	OM LP	peg.416	CYT	peg.990	IM TM	peg.724	PERI	peg.810	CYT
B2RMH9	PERI	Q7MTJ3	IM TM	F5X7W2	CYT	peg.1374	CYT	peg.119	IM TM	peg.414	CYT	peg.1188	IM TM
B2RGQ6	CYT	Q7MTV4	OM LP	F5XA13	CYT	peg.793	OM LP	peg.881	PorSS	peg.1434	CYT	peg.439	CYT
B2RJ45	IM TM	Q7MU31	CYT	F5X927	CYT	peg.1078	CYT	peg.1480	IM TM	peg.147	IM TM	peg.1355	CYT
B2RI38	OM LP	Q7MU25	CYT	F5X9U9	CYT	peg.612	CYT	peg.1095	CYT	peg.1608	CYT	peg.1161	CYT
B2RLP3	CYT	Q7MU67	CYT	F5X9T2	CYT	peg.949	CYT	peg.533	CYT	peg.73	CYT	peg.353	CYT
B2RL59	CYT	Q7MV05	PERI	F5XCW1	CYT	peg.94	CYT	peg.1585	PERI	peg.697	CYT	peg.1897	ECP
B2RJ28	CYT	Q7MXC7	CYT	F5X9T1	PERI	peg.1501	IM TM	peg.1602	CYT	peg.51	IM TM	peg.1157	IM TM
B2RHU6	CYT	Q7MVB8	CYT	F5X8U1	IM TM	peg.1888	OM LP	peg.21	CYT	peg.307	CYT	peg.1704	IM TM
B2RI00	OM	Q7MXX5	IM TM	F5X8A0	CYT	peg.786	CYT	peg.612	IM TM	peg.1615	CYT	peg.1731	CYT
B2RK57	IM TM	Q7MXFo	CYT	F5X8X0	CYT	peg.1378	IM TM	peg.1706	CYT	peg.1709	CYT	peg.1167	CYT
B2RMH3	CYT	Q7MV57	CYT	F5XDF9	CYT	peg.2011	CYT	peg.1650	CYT	peg.986	IM TM	peg.1089	IM TM
B2RT3	CYT	Q7MWJ9	OM LP	F5XD51	CYT	peg.452	CYT	peg.216	ECP	peg.993	CYT	peg.999	CYT
B2RK85	CYT	Q7MU15	PERI	F5X910	CYT	peg.731	IM TM	peg.227	IM TM	peg.1836	CYT	peg.1283	CYT
B2RHH1	OM	Q7MTA6	CYT	F5X955	CYT	peg.1087	CYT	peg.2	CYT	peg.565	CYT	peg.236	OM
B2RH14	PERI	Q7MU96	CYT	F5XCS6	CYT	peg.1885	CYT	peg.1913	CYT	peg.322	CYT	peg.986	CYT
B2RLBo	OM	Q7MUX1	CYT	F5X860	CYT	peg.310	CYT	peg.49	OM LP	peg.500	CYT	peg.893	CYT
B2RHF9	CYT	Q7MWJ6	PERI	F5XD50	CYT	peg.1491	IM TM	peg.650	OM	peg.1086	IM TM	peg.1014	IM TM
B2RL93	CYT	Q7MVH1	CYT	F5XB89	IM TM	peg.1223	CYT	peg.1123	CYT	peg.1383	IM TM	peg.630	CYT
B2RJS4	CYT	Q7MX55	IM TM	F5XBF7	CYT	peg.1682	CYT	peg.607	CYT	peg.145	PERI	peg.2042	OM
B2RIC7	CYT	Q7MV75	IM LP	F5XCX6	CYT	peg.256	ECP	peg.613	CYT	peg.1311	OM LP	peg.1949	IM TM
B2RGQ5	IM TM	Q7MVK0	OM LP	F5XAX8	CYT	peg.1438	PERI	peg.282	CYT	peg.1477	CYT	peg.46	CYT
B2RJT3	CYT	Q7MVA9	CYT	F5X9A0	IM TM	peg.1434	IM TM	peg.1302	IM TM	peg.1048	CYT	peg.1057	CYT
B2RHH2	CYT	Q7MU66	IM TM	F5X812	IM TM	peg.1659	CYT	peg.1319	CYT	peg.1088	CYT	peg.372	CYT
B2RJS6	ECP	Q7MWI8	IM TM	F5XCU1	IM TM	peg.1151	CYT	peg.756	IM TM	peg.978	CYT	peg.1725	CYT
B2RIC4	CYT	Q7MXV6	CYT	F5X7K2	CYT	peg.1971	PorSS	peg.1084	CYT	peg.135	CYT	peg.1698	CYT
B2RM47	CYT	Q7MTW0	IM TM	F5XB19	CYT	peg.1057	CYT	peg.1562	CYT	peg.1197	CYT	peg.1426	IM TM
B2RHT9	CYT	Q7MVH8	IM TM	F5XD47	CYT	peg.1264	IM TM	peg.1172	IM TM	peg.804	CYT	peg.1313	PERI
B2RIR2	CYT	Q7MXH5	CYT	F5XA16	PERI	peg.1588	CYT	peg.1047	CYT	peg.469	CYT	peg.1848	CYT
B2RM06	IM TM	Q7MTH0	CYT	F5X822	CYT	peg.32	CYT	peg.1516	CYT	peg.963	CYT	peg.1908	IM TM
B2RHR5	PERI	Q7MVC2	CYT	F5XB42	OM LP	peg.873	OM LP	peg.1651	CYT	peg.193	PERI	peg.1017	IM TM
B2RI10	PERI	Q7MVC9	CYT	F5X982	CYT	peg.367	PERI	peg.1962	IM TM	peg.975	ECP	peg.1892	CYT
B2RKP2	CYT	Q7MVP1	CYT	F5X914	PERI	peg.1573	CYT	peg.1592	CYT	peg.1096	CYT	peg.217	OM
B2RLC7	PERI	Q7MW12	CYT	F5X957	PERI	peg.6	IM TM	peg.1216	CYT	peg.275	CYT	peg.1849	CYT
B2RLV2	CYT	Q7MTQ5	IM TM	F5XCW4	CYT	peg.1328	CYT	peg.120	PERI	peg.21	CYT	peg.1609	CYT
B2RLU0	OM LP	Q7MTG0	IM TM	F5X995	IM TM	peg.1965	CYT	peg.894	CYT	peg.525	CYT	peg.1253	IM TM
B2RJNo	CYT	Q7MX72	ECP	F5XD66	OM	peg.1009	PERI	peg.595	CYT	peg.2086	ECP	peg.1072	CYT
B2RII2	CYT	Q7MX19	CYT	F5X7D5	ECP	peg.1246	CYT	peg.1370	CYT	peg.716	CYT	peg.9	CYT
B2RLD6	CYT	Q7MW38	OM	F5XAH7	PERI	peg.2053	OM LP	peg.833	ECP	peg.234	CYT	peg.444	CYT
B2RHL4	OM LP	Q7MTU5	ECP	F5XBP2	PERI	peg.1515	CYT	peg.840	CYT	peg.1952	CYT	peg.2033	IM TM

B2RLP1	PorSS	Q7MV00	CYT	F5XBM1	CYT	peg.1232	CYT	peg.427	OM LP	peg.1145	CYT	peg.2120	PorSS
B2RKK8	IM TM	Q7MW62	CYT	F5X8U0	CYT	peg.1124	CYT	peg.1558	CYT	peg.1463	CYT	peg.1133	IM TM
B2RLQ3	ECP	Q7MVY2	CYT	F5XDD0	CYT	peg.1526	CYT	peg.1778	CYT	peg.746	CYT	peg.1879	CYT
B2RIX5	CYT	Q7MUX2	CYT	F5X7Co	IM TM	peg.37	CYT	peg.1077	CYT	peg.2005	CYT	peg.1790	IM TM
B2RKE4	IM TM	Q7MSZ2	CYT	F5X7M5	IM TM	peg.391	CYT	peg.135	IM TM	peg.534	PERI	peg.804	IM TM
B2RL28	IM TM	Q7MTB7	CYT	F5XCLO	CYT	peg.303	CYT	peg.1771	CYT	peg.1987	CYT	peg.39	IM TM
B2RJA2	CYT	Q7MT12	CYT	F5X906	CYT	peg.913	PERI	peg.1627	CYT	peg.819	OM	peg.1529	CYT
B2RHZ4	OM LP	Q7MUZ2	CYT	F5XC20	CYT	peg.4	PorSS	peg.180	IM TM	peg.443	CYT	peg.648	CYT
B2RL00	IM TM	Q7MX63	IM TM	F5XB86	PorSS	peg.1530	IM TM	peg.686	CYT	peg.798	CYT	peg.309	PERI
B2RJG2	CYT	Q7MXC6	CYT	F5XCR4	PERI	peg.753	CYT	peg.1625	CYT	peg.1221	CYT	peg.362	CYT
B2RLK3	CYT	Q7MWG9	IM LP	F5X7V5	IM TM	peg.2044	CYT	peg.2031	IM TM	peg.1294	CYT	peg.1276	IM TM
B2RHX7	CYT	Q7MT00	IM TM	F5XB92	IM TM	peg.2005	IM TM	peg.2012	ECP	peg.520	CYT	peg.1070	CYT
B2RHU5	IM TM	Q7MTB8	CYT	F5XBW9	PERI	peg.150	CYT	peg.1328	OM LP	peg.2032	CYT	peg.673	CYT
B2RHG6	CYT	Q7MU86	CYT	F5X8L9	IM TM	peg.1950	CYT	peg.567	CYT	peg.1236	OM LP	peg.1500	CYT
B2RH12	ECP	Q7MV41	CYT	F5X7D9	CYT	peg.29	IM TM	peg.2064	CYT	peg.1764	CYT	peg.278	ECP
B2RIG2	CYT	Q7MU84	CYT	F5X7Do	CYT	peg.1116	CYT	peg.913	CYT	peg.1959	IM TM	peg.465	CYT
B2RH98	CYT	Q7MXK5	PERI	F5XCP5	IM TM	peg.356	PERI	peg.245	CYT	peg.1905	CYT	peg.1064	CYT
B2RM18	CYT	Q7MTJ9	IM TM	F5XA15	CYT	peg.1508	PERI	peg.1070	CYT	peg.1876	CYT	peg.1932	CYT
B2RHN2	CYT	Q7M7G7	CYT	F5XAP2	CYT	peg.1623	CYT	peg.194	IM TM	peg.1386	IM LP	peg.1232	CYT
B2RM83	CYT	F5HDD2	PERI	F5XA73	CYT	peg.1833	IM TM	peg.1365	CYT	peg.1612	CYT	peg.690	CYT
B2RKH1	OM	Q7MNV4	CYT	F5XBZ5	IM LP	peg.216	CYT	peg.1399	ECP	peg.621	CYT	peg.1002	CYT
B2RKX9	CYT	Q7MVG7	CYT	F5XBF6	CYT	peg.779	CYT	peg.1164	OM	peg.1273	CYT	peg.1934	CYT
B2RHQ6	CYT	Q7MVX6	CYT	F5X803	CYT	peg.266	IM TM	peg.538	IM TM	peg.490	CYT	peg.2116	ECP
B2RK65	CYT	Q7MVK4	CYT	F5X7R6	CYT	peg.1348	CYT	peg.1835	CYT	peg.873	CYT	peg.411	CYT
B2RL16	CYT	Q7MTJ2	CYT	F5XCZ4	IM TM	peg.1723	IM TM	peg.2033	ECP	peg.1662	CYT	peg.1673	CYT
B2RMG8	CYT	Q7MTA3	CYT	F5XD34	CYT	peg.1117	CYT	peg.274	CYT	peg.907	CYT	peg.992	IM TM
B2RKV1	IM TM	Q7MXNo	CYT	F5XD74	ECP	peg.1789	CYT	peg.360	IM TM	peg.314	CYT	peg.1957	CYT
B2RMK8	CYT	F5HI79	PorSS	F5XD97	CYT	peg.1604	CYT	peg.537	ECP	peg.2099	ECP	peg.188	CYT
B2RIB5	CYT	Q7MV06	CYT	F5X7V2	IM TM	peg.608	OM	peg.1385	IM TM	peg.105	CYT	peg.369	IM TM
B2RLU7	CYT	Q7MXB1	CYT	F5X848	CYT	peg.393	CYT	peg.1076	IM LP	peg.540	IM TM	peg.1393	CYT
B2RGT7	IM TM	Q7MXG3	CYT	F5X7Ao	PERI	peg.1566	CYT	peg.616	IM TM	peg.1108	CYT	peg.1998	CYT
B2RKR9	CYT	Q7MW97	CYT	F5XAD8	ECP	peg.482	CYT	peg.302	CYT	peg.1032	IM TM	peg.2068	ECP
B2RHH7	PERI	Q7MVA1	IM TM	F5XBZ4	IM TM	peg.1552	IM TM	peg.1690	CYT	peg.1802	CYT	peg.25	IM TM
B2RMB3	CYT	Q7MV12	CYT	F5X7S8	CYT	peg.404	CYT	peg.843	CYT	peg.728	CYT	peg.515	CYT
B2RI23	CYT	Q7MXN5	CYT	F5X7Po	IM TM	peg.946	CYT	peg.1054	CYT	peg.1373	CYT	peg.1679	CYT
B2RKD7	IM TM	Q7MVU6	PERI	F5X8D6	OM	peg.1255	CYT	peg.420	CYT	peg.69	ECP	peg.1553	IM TM
B2RKK9	IM TM	Q7MVD1	IM LP	F5X7D8	CYT	peg.441	IM TM	peg.1117	ECP	peg.325	CYT	peg.1324	CYT
B2RLN3	IM TM	Q7MAWo	CYT	G1UBU9	OM LP	peg.466	CYT	peg.1060	CYT	peg.1068	ECP	peg.792	OM
B2RK22	IM TM	Q7MVT0	CYT	F5XD37	CYT	peg.455	CYT	peg.1387	IM TM	peg.662	IM TM	peg.591	CYT
B2RGX9	ECP	Q7MVS0	PERI	F5XAJ3	IM TM	peg.1603	CYT	peg.372	OM	peg.1023	PERI	peg.873	CYT
B2RGU2	IM TM	Q7MTZ6	CYT	F5XAC8	CYT	peg.1673	CYT	peg.2026	CYT	peg.1412	CYT	peg.549	PERI
B2RJG5	IM TM	Q7MXX6	CYT	F5X9Q5	IM LP	peg.1992	CYT	peg.294	CYT	peg.1946	OM LP	peg.222	CYT
B2RIL5	CYT	Q7MWP7	PorSS	F5XD86	CYT	peg.1783	CYT	peg.1348	CYT	peg.437	OM	peg.885	IM TM

B2RIS8	PERI	Q7MVY4	CYT	F5X9S0	PERI	peg.802	CYT	peg.2059	ECP	peg.403	IM TM	peg.1208	CYT
B2RIW5	CYT	Q7MXK6	OM LP	F5X8T5	CYT	peg.1915	CYT	peg.165	CYT	peg.1444	CYT	peg.1602	CYT
B2RLX5	ECP	Q7MAW3	CYT	F5XAR9	PERI	peg.1892	IM TM	peg.1671	CYT	peg.1233	ECP	peg.1692	OM
B2RHS2	IM TM	Q7MXE9	CYT	F5X881	CYT	peg.1853	IM TM	peg.1924	CYT	peg.467	CYT	peg.1405	CYT
B2RH8	CYT	Q7MT20	IM TM	F5XA88	PERI	peg.1988	CYT	peg.1785	CYT	peg.1566	CYT	peg.2009	CYT
B2RLE4	CYT	Q7MXL8	CYT	F5XBF4	CYT	peg.108	CYT	peg.1952	CYT	peg.474	IM TM	peg.1915	CYT
B2RIM5	OM	Q7MW46	CYT	F5XBW6	CYT	peg.564	CYT	peg.213	IM TM	peg.892	CYT	peg.978	OM LP
B2RJK1	CYT	Q7MV92	CYT	F5XCQ5	IM TM	peg.1177	CYT	peg.867	ECP	peg.2066	CYT	peg.1691	OM LP
B2RMC4	IM TM	Q7MWH9	IM TM	F5X9B6	IM TM	peg.236	OM	peg.1341	CYT	peg.1723	IM TM	peg.971	CYT
B2RK14	CYT	Q7MXDo	CYT	F5XCX5	CYT	peg.889	CYT	peg.1099	IM TM	peg.1862	CYT	peg.1365	CYT
B2RJo4	CYT	Q7MwY8	OM	F5X8G5	CYT	peg.1000	OM LP	peg.391	CYT	peg.85	CYT	peg.1443	CYT
B2RMKo	CYT	Q7MTS7	CYT	F5XB63	CYT	peg.1921	PERI	peg.1024	CYT	peg.126	CYT	peg.1486	PorSS
B2RM65	CYT	Q7MUT5	CYT	F5XAcO	PERI	peg.1553	CYT	peg.709	CYT	peg.1187	IM TM	peg.710	CYT
B2RKX6	OM LP	Q7MTT8	CYT	F5XBY6	CYT	peg.1633	CYT	peg.897	CYT	peg.1505	CYT	peg.1387	CYT
B2RLA6	OM LP	Q7MTY7	OM	F5X827	CYT	peg.65	CYT	peg.17	CYT	peg.1869	CYT	peg.2081	ECP
B2RH56	CYT	Q7MVY6	CYT	F5X8I5	CYT	peg.1304	CYT	peg.1973	OM LP	peg.753	PERI	peg.342	CYT
B2RIW9	PERI	Q7MUR6	PorSS	F5XA68	CYT	peg.164	CYT	peg.1014	IM TM	peg.83	IM TM	peg.1215	CYT
B2RMF1	OM LP	Q7MXQ4	CYT	F5XC60	CYT	peg.1017	CYT	peg.1241	PERI	peg.1603	CYT	peg.869	IM TM
B2RHT3	IM TM	Q7MVP5	CYT	F5X8K8	ECP	peg.1953	CYT	peg.1414	CYT	peg.2160	CYT	peg.1670	CYT
B2RJ37	CYT	Q7MT81	CYT	F5XCQ5	CYT	peg.1477	IM TM	peg.18	OM	peg.1518	PERI	peg.2074	CYT
B2RJ11	PERI	Q7MV38	CYT	F5XAG0	CYT	peg.963	CYT	peg.1792	CYT	peg.577	IM TM	peg.1380	OM LP
B2RGW9	CYT	Q7MXG5	IM TM	F5X839	ECP	peg.1317	PERI	peg.802	IM LP	peg.1397	PERI	peg.54	CYT
B2RLX0	CYT	Q7MUB1	OM LP	F5X8Z2	CYT	peg.145	IM TM	peg.1401	CYT	peg.1678	CYT	peg.1464	IM TM
B2RIG9	OM	Q7MUA6	OM	F5XAV7	CYT	peg.662	CYT	peg.1494	CYT	peg.701	CYT	peg.1471	CYT
B2RHK4	CYT	Q7MUP3	ECP	F5X7C9	CYT	peg.200	CYT	peg.2045	CYT	peg.1724	CYT	peg.702	CYT
B2RMA6	IM TM	Q7MX96	IM TM	F5X7Q0	PERI	peg.227	CYT	peg.276	IM TM	peg.208	CYT	peg.544	CYT
B2RM81	CYT	Q7MUA2	PERI	F5X8R7	CYT	peg.811	CYT	peg.543	ECP	peg.1160	PERI	peg.1478	CYT
B2RMJ5	CYT	Q7MTH6	CYT	F5XA69	CYT	peg.995	IM TM	peg.1269	CYT	peg.1020	CYT	peg.790	PERI
B2RIP3	IM TM	Q7MT49	CYT	F5X852	IM TM	peg.531	PERI	peg.122	IM TM	peg.1314	CYT	peg.1147	CYT
B2RMI5	CYT	Q7MU22	PERI	F5X7Y5	OM LP	peg.1453	CYT	peg.1283	CYT	peg.1524	CYT	peg.1342	IM TM
B2RI72	CYT	Q7MUL9	CYT	F5X9Z7	IM TM	peg.1275	PorSS	peg.1390	CYT	peg.786	CYT	peg.1658	CYT
B2RIJ0	PERI	Q7MUM8	PERI	F5XB24	ECP	peg.677	OM	peg.1611	IM TM	peg.1933	CYT	peg.485	CYT
B2RK21	CYT	Q7MV49	CYT	F5X976	CYT	peg.1739	CYT	peg.1635	CYT	peg.2012	PERI	peg.772	CYT
B2RKD8	CYT	Q7MU47	IM TM	F5XA61	CYT	peg.621	CYT	peg.1351	IM TM	peg.1991	CYT	peg.852	IM TM
B2RH01	CYT	Q7MXS6	CYT	F5XCL2	CYT	peg.433	CYT	peg.87	CYT	peg.1308	PERI	peg.1862	CYT
B2RM51	CYT	Q7MV59	CYT	F5XDH9	CYT	peg.1895	PERI	peg.738	IM TM	peg.131	CYT	peg.51	ECP
B2RKJ7	CYT	Q7MT26	CYT	F5XBY0	PERI	peg.984	CYT	peg.1740	CYT	peg.65	CYT	peg.1362	CYT
B2RHZ9	IM TM	Q7MVA2	IM TM	F5XAF3	CYT	peg.319	CYT	peg.442	CYT	peg.1573	CYT	peg.828	CYT
B2RLM8	IM TM	Q7MUF2	CYT	F5X9B1	CYT	peg.15	CYT	peg.2052	CYT	peg.25	OM	peg.478	CYT
B2RHJ7	PERI	Q7MUG8	IM TM	F5X8L7	ECP	peg.158	CYT	peg.583	CYT	peg.1791	ECP	peg.578	CYT
B2RHX2	CYT	Q7MW85	CYT	F5X7X1	IM TM	peg.860	CYA	peg.1124	CYT	peg.833	CYT	peg.1688	CYT
B2RJA5	CYT	Q7MWN7	ECP	F5XAJ4	CYT	peg.1598	ECP	peg.1034	CYT	peg.1357	CYT	peg.1889	CYT
B2RL42	CYT	Q7MTC1	IM TM	F5X802	CYT	peg.1270	PERI	peg.648	CYT	peg.2112	ECP	peg.326	CYT



B2RK73	CYT	Q7MUC9	IM TM	F5X9Ho	CYT	peg.691	CYT	peg.1180	CYT	peg.2138	IM TM	peg.1744	CYT
B2RKG8	IM TM	Q7MT86	IM TM	F5XBD4	CYT	peg.1489	IM TM	peg.1434	CYT	peg.1532	IM TM	peg.1579	CYT
B2RH31	CYT	Q7MTG1	IM TM	F5X7D6	IM TM	peg.1799	CYT	peg.1321	CYT	peg.1990	CYT	peg.1371	CYT
B2RM52	CYT	Q7MVS2	CYT	F5XDC8	PERI	peg.83	CYT	peg.1906	CYT	peg.900	CYT	peg.1570	CYT
B2RLO3	CYT	Q7MUM6	IM TM	F5XD23	CYT	peg.577	CYT	peg.883	IM TM	peg.444	IM LP	peg.566	IM TM
B2RJB2	CYT	Q7MVRo	IM TM	F5X9D1	CYT	peg.651	CYT	peg.1246	CYT	peg.857	CYT	peg.36	IM TM
B2RKK7	CYT	F5HAV3	CYT	F5XC44	CYT	peg.1812	CYT	peg.951	CYT	peg.114	CYT	peg.1254	CYT
B2RM98	CYT	Q7MPV2	OM	F5XAC6	CYT	peg.1336	CYT	peg.1568	PERI	peg.1545	IM TM	peg.169	PERI
B2RJ95	CYT	Q7MWJ6	IM TM	F5X8Q1	CYT	peg.921	CYT	peg.876	CYT	peg.2024	IM TM	peg.598	CYT
B2RLN5	IM	Q7MW32	CYT	F5X7X9	CYT	peg.1220	CYT	peg.1476	OM LP	peg.1809	CYT	peg.1545	IM TM
B2RIV9	CYT	Q7MT43	IM TM	F5XCT1	CYT	peg.1171	ECP	peg.262	CYT	peg.1897	CYT	peg.233	CYT
B2RKD2	CYT	Q7MTL5	CYT	F5X8T2	CYT	peg.1738	CYT	peg.769	CYT	peg.2164	CYT	peg.1838	IM TM
B2RIPo	IM TM	Q7MUI6	PERI	F5X9U2	CYT	peg.1745	ECP	peg.445	CYT	peg.1200	ECP	peg.2080	CYT
B2RL13	OM	Q7MWQ8	CYT	F5X9M9	IM TM	peg.1977	CYT	peg.1485	CYT	peg.1559	CYT	peg.49	CYT
B2RME2	CYT	Q7MUZO	IM TM	F5X9B2	CYT	peg.1650	OM LP	peg.1996	IM TM	peg.452	PERI	peg.303	CYT
B2RIR5	OM	Q7MUV1	IM LP	F5XBV6	IM TM	peg.1914	CYT	peg.1745	PERI	peg.1072	OM	peg.1988	CYT
B2RKV8	CYT	Q7MTX8	CYT	F5X8M8	IM TM	peg.878	CYT	peg.499	CYT	peg.960	CYT	peg.1509	CYT
B2RJG3	CYT	Q7MVF5	CYT	F5X7E1	CYT	peg.1183	OM	peg.852	CYT	peg.1226	CYT	peg.523	CYT
B2RJJ7	CYT	Q7MVJ9	CYT	F5XAL1	IM LP	peg.897	CYT	peg.1336	CYT	peg.58	ECP	peg.887	CYT
B2RH44	CYT	Q7MWC0	PERI	F5XCG0	PERI	peg.121	CYT	peg.1849	CYT	peg.1217	CYT	peg.1910	CYT
B2RHW8	OM	Q7MTP7	OM	F5XAU5	unknown	peg.1691	CYT	peg.70	CYT	peg.294	CYT	peg.2015	CYT
B2RIE6	IM TM	Q7MUM9	IM TM	F5XDA7	CYT	peg.292	CYT	peg.1179	IM TM	peg.1530	CYT	peg.1775	IM TM
B2RGW7	CYT	Q7MUA1	PERI	F5X9X0	CYT	peg.890	CYT	peg.1065	CYT	peg.1306	IM TM	peg.253	IM TM
B2RM32	PERI	Q7MUW5	CYT	F5XCY1	CYT	peg.1652	CYT	peg.1840	CYT	peg.1620	CYT	peg.1586	CYT
B2RH18	PERI	Q7MUU9	IM TM	F5XDA2	IM TM	peg.533	IM TM	peg.1888	CYT	peg.231	CYT	peg.441	CYT
B2RK67	CYT	Q7MUP5	CYT	F5X9S5	CYT	peg.1212	CYT	peg.552	CYT	peg.950	CYT	peg.132	OM
B2RI31	IM TM	Q7MVW4	CYT	F5XBQ3	ECP	peg.187	IM TM	peg.1918	CYT	peg.932	CYT	peg.1665	CYT
B2RJM8	CYT	Q7MWE1	CYT	F5X8X4	CYT	peg.2099	CYT	peg.1661	CYT	peg.880	CYT	peg.349	CYT
B2RJ46	CYT	Q7MT56	OM	F5XBM7	CYT	peg.882	IM TM	peg.681	CYT	peg.1774	CYT	peg.286	CYT
B2RHY8	PERI	Q7MW84	CYT	F5X8C2	CYT	peg.2103	CYT	peg.37	CYT	peg.406	IM	peg.2052	CYT
B2RHZ2	CYT	Q7MXP3	CYT	F5X959	OM LP	peg.1818	CYT	peg.517	CYT	peg.470	CYT	peg.2129	CYT
B2RJJo	CYT	Q7MXF7	PERI	F5XCV4	CYT	peg.2018	CYT	peg.388	PERI	peg.1248	CYT	peg.1981	CYT
B2RJW8	CYT	Q7MW31	IM TM	F5X960	PERI	peg.382	CYT	peg.1213	CYT	peg.1539	ECP	peg.183	ECP
B2RHC5	CYT	Q7MUYo	CYT	F5XDH8	CYT	peg.130	CYT	peg.317	CYT	peg.1343	CYT	peg.1964	ECP
B2RMH7	CYT	Q7MUJ2	CYT	F5XBU7	CYT	peg.457	CYT	peg.497	CYT	peg.842	PERI	peg.148	CYT
B2RHH3	OM	Q7MTK4	OM LP	F5X925	CYT	peg.1558	PERI	peg.36	CYT	peg.1167	ECP	peg.102	CYT
B2RLM6	CYT	Q7MX45	OM	F5XCD4	CYT	peg.1099	PERI	peg.1749	OM	peg.1789	IM TM	peg.1865	CYT
B2RJ49	CYT	Q7MTW7	CYT	F5XA49	PERI	peg.1701	CYT	peg.208	IM TM	peg.2154	CYT	peg.662	IM TM
B2RLF6	IM TM	Q7MWI0	IM TM	F5XBC9	CYT	peg.976	CYT	peg.760	CYT	peg.770	CYT	peg.453	CYT
B2RI28	IM TM	Q7MVL8	PorSS	F5XD94	CYT	peg.1416	PERI	peg.933	CYT	peg.1627	CYT	peg.1639	CYT
B2RLH8	CYT	Q7MW02	CYT	F5XBC0	IM TM	peg.1847	CYT	peg.647	CYT	peg.2119	OM LP	peg.1114	CYT
B2RM10	CYT	Q7MUK6	CYT	G1UBT6	CYT	peg.1935	ECP	peg.726	CYT	peg.2120	CYT	peg.1191	IM TM
B2RHD2	IM TM	Q7MZY7	CYT	F5X8J1	PERI	peg.1858	CYT	peg.903	CYT	peg.1642	PERI	peg.900	IM TM

B2RHN5	CYT	F5HF80	OM LP	F5X919	IM TM	peg.473	CYT	peg.1799	CYT	peg.2075	CYT	peg.1432	CYT
B2RIA8	CYT	Q7MXy1	CYT	F5XBE3	IM TM	peg.1165	CYT	peg.506	CYT	peg.1098	CYT	peg.1100	IM TM
B2RMCo	CYT	Q7MXT1	CYT	F5XC1	CYT	peg.463	CYT	peg.1943	IM TM	peg.1111	ECP	peg.912	CYT
B2RHH6	CYT	Q7MXF9	OM LP	F5X8H5	CYT	peg.833	CYT	peg.1192	CYT	peg.1630	CYT	peg.1537	CYT
B2RGR4	CYT	Q7MVZ8	CYT	F5X9S1	CYT	peg.1933	CYT	peg.749	CYT	peg.954	CYT	peg.210	CYT
B2RKQ3	CYT	Q7MWB1	CYT	F5X9F1	CYT	peg.1295	CYT	peg.995	CYT	peg.318	IM TM	peg.459	CYT
B2RHM5	CYT	Q7MW90	IM TM	F5XA99	CYT	peg.1443	OM LP	peg.475	CYT	peg.154	CYT	peg.1197	IM TM
B2RHR2	CYT	Q7MXS4	CYT	F5X9L1	CYT	peg.1208	CYT	peg.1406	CYT	peg.1008	CYT	peg.1595	CYT
B2RML1	IM TM	Q7MWHO	IM TM	F5XAX9	CYT	peg.422	IM TM	peg.1229	IM TM	peg.781	CYT	peg.281	PERI
B2RLJ1	CYT	Q7MW19	CYT	F5X9U0	IM TM	peg.2015	CYT	peg.103	IM TM	peg.24	CYT	peg.1771	ECP
B2RIP7	CYT	Q7MV86	CYT	F5XBT8	CYT	peg.177	IM TM	peg.1350	CYT	peg.858	CYT	peg.1881	PERI
B2RK27	CYT	Q7MV18	IM TM	F5XAF9	CYT	peg.1779	IM TM	peg.859	CYT	peg.1643	CYT	peg.903	CYT
B2RHL3	CYT	Q7MVB6	IM TM	F5X7T8	CYT	peg.1006	PERI	peg.1735	IM LP	peg.2134	CYT	peg.1378	ECP
B2RM20	IM TM	Q7MTR2	CYT	F5X7F4	CYT	peg.723	CYT	peg.1612	CYT	peg.4	CYT	peg.1723	CYT
B2RHV2	CYT	Q7MUL8	IM TM	F5XDK7	CYT	peg.1242	CYT	peg.1187	CYT	peg.1406	IM TM	peg.496	PERI
B2RJ74	PorSS	Q7MXD9	CYT	F5XCT7	CYT	peg.828	IM TM	peg.1278	CYT	peg.1595	CYT	peg.669	CYT
B2RIX9	IM TM	Q7MT11	PERI	F5XCN5	CYT	peg.1428	CYT	peg.1369	CYT	peg.278	CYT	peg.1293	PorSS
B2RJX8	CYT	Q7MXH8	CYT	F5XA93	CYT	peg.1409	OM	peg.494	CYT	peg.295	CYT	peg.928	CYT
B2RJZ4	CYT	Q7MVH9	CYT	F5XCG7	CYT	peg.748	CYT	peg.23	PERI	peg.1896	OM	peg.526	CYT
B2RJM3	PERI	Q7MWS6	CYT	F5XCK9	IM TM	peg.1589	CYT	peg.313	CYT	peg.353	CYT	peg.606	CYT
B2RMG1	IM TM	Q7MSY4	OM	F5X9R7	CYT	peg.998	CYT	peg.1624	CYT	peg.1780	CYT	peg.1612	IM TM
B2RLK6	ECP	Q7MW56	CYT	F5XAL8	unknown	peg.1483	CYT	peg.700	IM TM	peg.1496	ECP	peg.2124	CYT
B2RKW7	IM LP	Q7MX36	IM TM	F5XBQ8	CYT	peg.184	CYT	peg.142	CYT	peg.687	CYT	peg.2023	CYT
B2RHK2	IM TM	Q7MW03	CYT	F5XAP0	CYT	peg.165	IM LP	peg.228	CYT	peg.249	unknown	peg.2046	IM TM
B2RM68	CYT	Q7MWZ0	IM TM	F5X7H7	CYT	peg.738	ECP	peg.52	CYT	peg.454	IM TM	peg.1787	IM TM
B2RL26	PERI	Q7MVL5	IM TM	F5X941	OM LP	peg.1660	CYT	peg.1153	CYT	peg.170	OM	peg.553	CYT
B2RJ09	ECP	Q7MUH9	CYT	F5XA28	CYT	peg.932	CYT	peg.1023	IM TM	peg.1449	CYT	peg.1700	CYT
B2RK92	CYT	Q7MTF4	CYT	F5XAW1	OM	peg.1465	CYT	peg.432	IM TM	peg.1492	ECP	peg.1825	CYT
B2RIA0	ECP	Q7MVM0	IM TM	F5X9E2	IM TM	peg.799	CYT	peg.1728	ECP	peg.1871	CYT	peg.1048	IM TM
B2RLU8	CYT	Q7MUN7	IM TM	F5XAZ6	OM LP	peg.486	CYT	peg.1091	CYT	peg.555	PERI	peg.334	CYT
B2RIT9	CYT	Q7MU52	OM LP	F5XB59	CYT	peg.667	CYT	peg.1428	PERI	peg.2090	CYT	peg.761	CYT
B2RIY4	PorSS	Q7MUM4	CYT	F5XD16	CYT	peg.713	IM TM	peg.1760	CYT	peg.1157	IM TM	peg.1037	CYT
B2RKM8	CYT	F5H9H1	OM	F5X7C2	CYT	peg.925	CYT	peg.1898	CYT	peg.1984	CYT	peg.909	IM TM
B2RK16	ECP	Q7MVF2	CYT	F5XBM8	IM TM	peg.772	CYT	peg.1161	CYT	peg.391	CYT	peg.571	PERI
B2RJD5	CYT	Q7MT74	CYT	F5XDE0	CYT	peg.1031	CYT	peg.621	PERI	peg.825	IM	peg.959	ECP
B2RLD9	CYT	Q7MU35	CYT	F5XBQ9	ECP	peg.1035	IM TM	peg.175	CYT	peg.822	IM LP	peg.1644	CYT
B2RHK3	IM LP	Q7MTE1	CYT	F5X818	CYT	peg.398	CYT	peg.516	CYT	peg.628	IM TM	peg.629	OM LP
B2RLI5	unknown	Q7MVT4	IM TM	F5XB37	PERI	peg.1071	CYT	peg.430	OM	peg.1125	CYT	peg.1780	PERI
B2RI26	ECP	Q7MSZ4	CYT	F5XC02	CYT	peg.1467	CYT	peg.1474	CYT	peg.1772	CYT	peg.69	CYT
B2RLK5	ECP	Q7MWY5	IM TM	F5X7J7	ECP	peg.1578	CYT	peg.71	CYT	peg.375	CYT	peg.625	CYT
B2RID0	CYT	Q7MW76	ECP	F5XA64	CYT	peg.865	CYT	peg.1894	CYT	peg.176	ECP	peg.1025	CYT
B2RJU7	PERI	Q7MXW7	PERI	F5XDB4	CYT	peg.641	IM TM	peg.606	CYT	peg.604	CYT	peg.713	CYT
B2RH06	CYT	Q7MTE6	CYT	F5X914	CYT	peg.1866	ECP	peg.1726	IM TM	peg.1753	CYT	peg.1794	CYT

B2RKZ5	PERI	Q7MTD4	CYT	F5XBX8	IM TM	peg.1259	CYT	peg.40	IM TM	peg.244	CYT	peg.208	CYT
B2RLT4	CYT	Q7MWW1	CYT	F5XB11	CYT	peg.1641	ECP	peg.1042	ECP	peg.812	IM TM	peg.1304	CYT
B2RLG5	CYT	Q7MVF9	CYT	F5X8B5	CYT	peg.2066	PERI	peg.1662	IM TM	peg.2092	CYT	peg.1125	CYT
B2RMA1	CYT	Q7MXV7	CYT	F5XBB9	IM TM	peg.1839	IM TM	peg.1942	IM TM	peg.1936	CYT	peg.1158	PERI
B2RGU3	CYT	Q7MVR1	CYT	F5XAW7	CYT	peg.73	CYT	peg.1830	CYT	peg.2129	CYT	peg.274	CYT
B2RMD2	IM TM	Q7MUW8	IM TM	F5XDB3	CYT	peg.703	CYT	peg.75	CYT	peg.2140	CYT	peg.1926	CYT
B2RIQ7	CYT	Q7MTX9	CYT	F5X924	CYT	peg.1731	CYT	peg.1617	CYT	peg.16	ECP	peg.190	PERI
B2RLJ7	IM TM	Q7MXJ5	OM	F5X9Mo	CYT	peg.1038	PERI	peg.146	CYT	peg.738	CYT	peg.644	CYT
B2RIN2	CYT	Q7MVL0	CYT	F5XC59	CYT	peg.231	CYT	peg.56	CYT	peg.1138	CYT	peg.938	IM TM
B2RJJ9	IM TM	Q7MTK8	IM TM	F5XD99	IM TM	peg.136	CYT	peg.775	IM LP	peg.852	CYT	peg.1707	CYT
B2RK54	CYT	Q7MU92	OM	F5XBE6	CYT	peg.769	CYT	peg.1889	CYT	peg.888	CYT	peg.843	ECP
B2RJJ8	CYT	Q7MXA5	CYT	F5X7W5	CYT	peg.62	CYT	peg.131	IM TM	peg.1163	OM LP	peg.30	CYT
B2RKI3	CYT	Q7MU83	IM TM	F5XA02	CYT	peg.1054	IM TM	peg.570	CYT	peg.1844	CYT	peg.2002	CYT
B2RLJ3	CYT	Q7MTI7	PorSS	F5XAF1	CYT	peg.197	IM TM	peg.1757	OM	peg.735	CYT	peg.1309	IM TM
B2RGN7	IM TM	Q7MU40	PERI	F5X7A8	IM TM	peg.686	CYT	peg.174	CYT	peg.1207	CYT	peg.1735	CYT
B2RGZ5	OM	Q7MUX9	CYT	F5X9T8	CYT	peg.789	CYT	peg.886	CYT	peg.1081	ECP	peg.1092	CYT
B2RH73	IM TM	Q7MUM5	IM TM	F5X9J8	CYT	peg.630	ECP	peg.1337	IM TM	peg.345	CYT	peg.1213	CYT
B2RJo6	OM	Q7MWA3	CYT	F5X7W8	ECP	peg.1405	CYT	peg.958	CYT	peg.35	OM LP	peg.4	CYT
B2RKV5	IM TM	Q7MWS2	CYT	F5XD96	CYT	peg.321	CYT	peg.1815	CYT	peg.223	CYT	peg.1515	IM TM
B2RJK9	CYT	Q7MX92	CYT	F5X915	CYT	peg.584	CYT	peg.1212	PorSS	peg.1458	CYT	peg.381	CYT
B2RJDo	CYT	Q7MVS4	CYT	F5XBJ2	CYT	peg.1562	IM TM	peg.1848	PERI	peg.922	CYT	peg.1248	CYT
B2RMC5	CYT	Q7MUN1	IM TM	F5XCR0	CYT	peg.445	CYT	peg.1421	OM LP	peg.671	CYT	peg.656	PorSS
B2RIQ0	CYT	Q7MWN9	CYT	F5XA58	CYT	peg.1343	PERI	peg.1902	CYT	peg.1509	CYT	peg.1680	CYT
B2RMG4	OM	Q7MVP4	PERI	F5X8Lo	CYT	peg.1201	PorSS	peg.1429	CYT	peg.967	IM TM	peg.135	CYT
B2RH49	CYT	Q7MT98	CYT	F5XBW0	CYT	peg.541	OM LP	peg.863	IM TM	peg.1647	CYT	peg.898	PERI
B2RMG2	IM TM	Q7MWU2	PorSS	F5XCR5	CYT	peg.962	IM TM	peg.1107	CYT	peg.826	OM	peg.1260	CYT
B2RKN4	ECP	Q7MXC5	CYT	F5X985	OM LP	peg.369	OM	peg.1181	CYT	peg.1631	CYT	peg.1832	CYT
B2RI05	OM LP	Q7MWM8	IM TM	F5X8Po	IM TM	peg.61	CYT	peg.1459	ECP	peg.750	CYT	peg.123	CYT
B2RI29	CYT	Q7MU02	OM	F5XCv0	CYT	peg.1155	IM TM	peg.406	CYT	peg.283	CYT	peg.1453	CYT
B2RLL1	CYT	Q7MTV6	unknow	F5XB60	CYT	peg.1326	OM	peg.1463	CYT	peg.93	CYT	peg.1498	OM
B2RI16	IM TM	Q7MUA4	ECP	F5XBJ4	CYT	peg.1227	CYT	peg.3	CYT	peg.1821	CYT	peg.1990	CYT
B2RJY4	CYT	Q7MV39	CYT	F5XBN1	CYT	peg.1268	CYT	peg.993	CYT	peg.1858	PERI	peg.1618	CYT
B2RLU3	CYT	Q7MT31	OM LP	F5XAW0	ECP	peg.1079	CYT	peg.1522	PERI	peg.1698	IM TM	peg.1084	CYT
B2RK81	ECP	Q7MV36	CYT	F5X815	IM TM	peg.1624	CYT	peg.1395	CYT	peg.407	CYT	peg.138	ECP
B2RL04	CYT	Q7MWF1	OM LP	F5XBV0	CYT	peg.1952	CYT	peg.68	IM TM	peg.1710	CYT	peg.494	PorSS
B2RGU5	CYT	Q7MUJ5	CYT	F5X7B6	CYT	peg.1656	CYT	peg.1360	IM TM	peg.184	IM TM	peg.1174	CYT
B2RKJ6	CYT	Q7MU18	PERI	F5X9J9	CYT	peg.280	CYT	peg.189	OM	peg.1482	CYT	peg.426	ECP
B2RLZ0	CYT	Q7MWB2	IM TM	F5XD11	CYT	peg.423	IM TM	peg.152	CYT	peg.1967	CYT	peg.763	CYT
B2RJM2	CYT	Q7MUE9	CYT	F5XBM4	CYT	peg.1092	CYT	peg.1357	PERI	peg.508	IM TM	peg.862	CYT
B2RMB6	CYT	Q7MWA0	CYT	F5XBL6	IM TM	peg.1203	PERI	peg.817	IM TM	peg.1540	IM TM	peg.634	CYT
B2RK33	PERI	Q7MT04	CYT	F5X8U3	CYT	peg.1742	OM LP	peg.698	IM TM	peg.808	CYT	peg.683	IM TM
B2RH64	CYT	Q7MWI4	PorSS	F5XBS5	IM TM	peg.1113	CYT	peg.423	IM TM	peg.1307	IM TM	peg.2091	IM TM
B2RJW6	CYT	Q7MXA4	IM TM	F5XBD3	IM TM	peg.1150	CYT	peg.1323	CYT	peg.1282	CYT	peg.1142	PERI

B2RJ42	IM TM	Q7MW70	CYT	F5X794	IM TM	peg.1249	CYT	peg.298	PERI	peg.363	CYT	peg.2111	CYT
B2RKW9	CYT	Q7MT61	ECP	F5X8Z4	PERI	peg.1388	OM LP	peg.1176	PorSS	peg.1850	CYT	peg.1844	CYT
B2RGX5	IM TM	Q7MVP3	PERI	F5X8C1	ECP	peg.1127	CYT	peg.1484	CYT	peg.1472	CYT	peg.552	CYT
B2RI82	IM LP	Q7MXS7	OM	F5X9J4	CYT	peg.866	IM TM	peg.198	CYT	peg.1872	IM TM	peg.1811	CYT
B2RKK2	CYT	Q7MW08	CYT	F5X938	CYT	peg.1957	CYT	peg.1721	CYT	peg.2150	IM TM	peg.740	CYT
B2RI33	PERI	Q7MXW6	IM TM	F5XC13	CYT	peg.183	CYT	peg.1101	CYT	peg.757	CYT	peg.1622	CYT
B2RH00	IM TM	Q7MU07	CYT	F5XAU3	IM TM	peg.709	OM	peg.1222	OM LP	peg.499	PorSS	peg.1060	CYT
B2RJ10	CYT	Q7MX17	PERI	F5X9D8	CYT	peg.1457	IM TM	peg.1772	IM TM	peg.1745	PorSS	peg.1328	CYT
B2RHE1	CYT	Q7MXW4	CYT	F5X8P4	CYT	peg.975	CYT	peg.936	CYT	peg.582	CYT	peg.16	IM TM
B2RHH4	OM	Q7MXX9	IM TM	F5XB25	CYT	peg.1486	CYT	peg.637	CYT	peg.1009	CYT	peg.422	CYT
B2RLQ1	PERI	Q7MVK9	OM LP	F5X7C6	CYT	peg.782	CYT	peg.1822	CYT	peg.1256	CYT	peg.1431	CYT
B2RLQ6	CYT	Q7MT52	OM LP	F5XD13	CYT	peg.1271	unknown	peg.399	CYT	peg.301	CYT	peg.1576	CYT
B2RJY5	CYT	Q7MW67	CYT	F5X7L4	CYT	peg.1400	CYT	peg.989	IM TM	peg.708	CYT	peg.1798	CYT
B2RJ10	OM	Q7MW24	CYT	F5XCA5	CYT	peg.516	IM TM	peg.1262	CYT	peg.1043	CYT	peg.839	CYT
B2RK11	CYT	Q7MVK5	CYT	F5X7B0	CYT	peg.10	CYT	peg.1132	CYT	peg.2145	OM	peg.726	CYT
B2RKE5	PorSS	Q7MVZ7	CYT	F5XAQ2	CYT	peg.1881	CYT	peg.92	CYT	peg.624	IM TM	peg.1136	CYT
B2RK72	IM TM	Q7MXA6	IM TM	F5XDA9	CYT	peg.1984	CYT	peg.1461	CYT	peg.1455	CYT	peg.1617	CYT
B2RM99	PERI	Q7MV98	IM TM	F5XAM7	CYT	peg.1879	CYT	peg.1854	CYT	peg.1270	CYT	peg.298	PERI
B2RJF2	ECP	Q7MUX7	CYT	F5XAM6	CYT	peg.1066	CYT	peg.719	CYT	peg.246	IM TM	peg.1911	CYT
B2RHY5	CYT	Q7MW65	CYT	G1UBU5	OM LP	peg.1855	CYT	peg.959	CYT	peg.1376	CYT	peg.886	CYT
B2RKW4	CYT	Q7MXD2	ECP	F5X7B7	CYT	peg.1446	CYT	peg.556	CYT	peg.216	IM TM	peg.1649	CYT
B2RIL4	CYT	Q7MWZ2	IM TM	F5XAE3	IM TM	peg.2040	CYT	peg.795	CYT	peg.889	CYT	peg.329	CYT
B2RKL5	CYT	Q7MTZ1	OM	F5X970	CYT	peg.2058	CYT	peg.792	CYT	peg.163	CYT	peg.153	PERI
B2RGR1	CYT	Q7MX33	CYT	F5XDB8	PERI	peg.582	CYT	peg.105	CYT	peg.1913	IM TM	peg.1921	CYT
B2RLU1	PorSS	Q7MXB0	CYT	F5X8R5	CYT	peg.1083	PERI	peg.335	CYT	peg.432	OM LP	peg.109	OM LP
B2RI84	CYT	Q7MXY4	CYT	F5XDK5	PERI	peg.1359	CYT	peg.1362	IM TM	peg.364	CYT	peg.1664	CYT
B2RK17	CYT	Q7MW99	CYT	F5X9I5	CYT	peg.765	CYT	peg.183	IM TM	peg.1901	IM TM	peg.2145	CYT
B2RMJ7	IM TM	F5HE36	OM	F5XBX2	CYT	peg.485	PorSS	peg.1694	CYT	peg.801	CYT	peg.736	CYT
B2RIP4	IM TM	Q7MTE8	CYT	F5XA29	IM TM	peg.137	CYT	peg.1801	CYT	peg.462	PERI	peg.904	IM TM
B2RI66	CYT	Q7MUP1	IM TM	F5XB08	IM TM	peg.1725	IM LP	peg.1871	CYT	peg.569	CYT	peg.280	PERI
B2RJW7	CYT	Q7MUU8	OM	F5X840	ECP	peg.729	ECP	peg.1312	CYT	peg.1512	CYT	peg.21	CYT
B2RL95	CYT	Q7MWY1	CYT	F5X946	CYT	peg.1495	CYT	peg.379	CYT	peg.1027	IM TM	peg.753	CYT
B2RJ26	PorSS	Q7MXI9	PERI	F5XDA3	CYT	peg.1543	IM TM	peg.417	CYT	peg.564	CYT	peg.384	CYT
B2RHBo	OM	Q7MSZ6	CYT	F5XAK7	CYT	peg.527	CYT	peg.327	OM LP	peg.1977	OM	peg.448	CYT
B2RM82	CYT	Q7MVV0	CYT	F5XC32	IM TM	peg.1129	CYT	peg.1374	CYT	peg.1192	CYT	peg.1296	CYT
B2RJV6	CYT	Q7MXB2	CYT	F5X811	CYT	peg.683	CYT	peg.965	CYT	peg.1839	CYT	peg.1447	IM TM
B2RJRo	IM TM	Q7MWS8	IM TM	F5X8D0	IM TM	peg.1053	CYT	peg.1264	IM TM	peg.427	CYT	peg.1756	CYT
B2RL85	PERI	Q7MXC3	IM TM	F5X7T9	CYT	peg.412	CYT	peg.1127	CYT	peg.837	CYT	peg.1905	CYT
B2RHY2	PorSS	Q7MVA0	PERI	F5X8A6	CYT	peg.306	CYT	peg.1548	IM LP	peg.1393	CYT	peg.640	CYT
B2RKL7	CYT	Q7MWE5	CYT	F5X7J1	CYT	peg.1050	IM TM	peg.1410	CYT	peg.1276	CYT	peg.440	IM TM
B2RHZ7	IM TM	Q7MVD0	CYT	F5X9D2	CYT	peg.1884	CYT	peg.891	CYT	peg.1467	CYT	peg.1975	CYT
B2RL50	CYT	Q7MTR4	IM TM	F5X9B8	CYT	peg.735	IM TM	peg.286	CYT	peg.1149	CYT	peg.863	ECP
B2RI11	CYT	Q7MX79	CYT	F5X7U3	ECP	peg.1147	OM	peg.1872	CYT	peg.1904	CYT	peg.481	CYT

B2RJ87	CYT	F5HGG7	CYT	F5XD88	CYT	peg.2090	CYT	peg.363	CYT	peg.417	CYT	peg.159	CYT
B2RH71	OM	Q7MXF1	CYT	F5XCT5	CYT	peg.885	CYT	peg.1418	PERI	peg.161	ECP	peg.1077	OM LP
B2RHF7	PERI	Q7MVI3	CYT	F5XC42	CYT	peg.756	CYT	peg.1606	IM TM	peg.1394	CYT	peg.609	CYT
B2RHZ0	unknown	Q7MW60	IM TM	F5X9Z6	OM LP	peg.891	PERI	peg.653	IM TM	peg.1150	IM TM	peg.152	CYT
B2RLJ8	CYT	Q7MWA6	CYT	G1UBU3	OM	peg.1827	OM	peg.139	IM TM	peg.1719	CYT	peg.789	CYT
B2RH75	CYT	Q7MUP8	CYT	F5X8N9	CYT	peg.672	CYT	peg.587	IM TM	peg.1588	CYT	peg.296	IM TM
B2RJH2	CYT	Q7MV89	CYT	F5XDH7	CYT	peg.17	CYT	peg.453	CYT	peg.874	ECP	peg.614	CYT
B2RL94	CYT	Q7MV64	CYT	F5X869	CYT	peg.1636	PERI	peg.692	CYT	peg.647	CYT	peg.1262	CYT
B2RK62	IM LP	Q7MUA9	CYT	F5X791	CYT	peg.2023	CYT	peg.190	IM LP	peg.2000	ECP	peg.163	PERI
B2RME8	CYT	Q7MWV2	IM TM	F5XA03	CYT	peg.1011	CYT	peg.2008	CYT	peg.1655	CYT	peg.801	IM TM
B2RKH4	CYT	Q7MTZ5	CYT	F5XBC2	CYT	peg.438	CYT	peg.463	ECP	peg.1401	CYT	peg.1871	CYT
B2RLO5	CYT	Q7MUS3	OM	F5X7J0	IM TM	peg.1380	CYT	peg.318	OM LP	peg.1214	IM TM	peg.1854	CYT
B2RI65	CYT	Q7MTE9	CYT	F5XB12	CYT	peg.99	PERI	peg.1510	IM TM	peg.2116	CYT	peg.1974	IM TM
B2RJ17	CYT	Q7MV84	ECP	F5XC80	CYT	peg.602	CYT	peg.1697	CYT	peg.706	CYT	peg.932	CYT
B2RIW2	IM LP	Q7MT38	CYT	F5XDD4	CYT	peg.1963	CYT	peg.782	CYT	peg.1141	ECP	peg.1229	ECP
B2RJU5	IM TM	Q7MU56	IM TM	F5X9L7	IM TM	peg.1237	CYT	peg.390	CYT	peg.1956	CYT	peg.1606	CYT
B2RI32	PERI	Q7MX74	CYT	F5X8L3	CYT	peg.524	OM	peg.1499	OM LP	peg.2019	IM TM	peg.1258	CYT
B2RHP7	OM LP	Q7MX80	ECP	F5X7W6	CYT	peg.228	CYT	peg.1554	ECP	peg.418	CYT	peg.1033	ECP
B2RJ15	IM TM	Q7MWC9	CYT	F5XB35	CYT	peg.103	CYT	peg.1448	OM	peg.411	IM LP	peg.1563	CYT
B2RKN8	CYT	Q7MVG6	CYT	F5XA09	CYT	peg.480	CYT	peg.1930	CYT	peg.342	CYT	peg.1746	CYT
B2RJ39	CYT	Q7MWG8	CYT	F5XA04	CYT	peg.33	CYT	peg.1550	CYT	peg.122	CYT	peg.1043	CYT
B2RJL5	IM TM	Q7MTS1	CYT	F5XAH0	CYT	peg.1754	CYT	peg.1578	CYT	peg.1178	CYT	peg.232	IM TM
B2RJZ5	CYT	Q7MU10	CYT	F5X9U4	CYT	peg.1685	CYT	peg.1645	OM LP	peg.1433	CYT	peg.429	CYT
B2RGN8	OM LP	Q7MWS4	CYT	F5XDH2	CYT	peg.1314	PERI	peg.1388	CYT	peg.862	CYT	peg.995	IM TM
B2RGV6	CYT	Q7MTE5	IM TM	F5XAA8	CYT	peg.351	CYT	peg.1703	CYT	peg.1717	CYT	peg.435	IM TM
B2RIH8	PERI	Q7MTA0	CYT	G1UBT9	CYT	peg.1786	CYT	peg.1808	CYT	peg.1012	CYT	peg.84	CYT
B2RHR1	CYT	Q7MU39	CYT	F5XCJ7	IM TM	peg.1473	CYT	peg.357	CYT	peg.1813	CYT	peg.1532	CYT
B2RMD1	IM TM	Q7MVN3	CYT	F5XD64	IM TM	peg.958	CYT	peg.1061	CYT	peg.1733	CYT	peg.939	CYT
B2RM77	OM	Q7MWG3	PorSS	F5XCF6	OM LP	peg.1161	CYT	peg.1868	ECP	peg.139	CYT	peg.213	PERI
B2RJL7	CYT	Q7MVM1	CYT	F5X7R4	PERI	peg.1616	CYT	peg.856	CYT	peg.768	CYT	peg.1046	CYT
B2RM55	CYT	Q7MUK2	OM LP	F5XCJ1	ECP	peg.2063	CYT	peg.291	CYT	peg.901	CYT	peg.1006	CYT
B2RJ66	CYT	Q7MX38	IM TM	F5XDC2	ECP	peg.575	PERI	peg.1689	CYT	peg.1104	CYT	peg.366	IM TM
B2RIU2	CYT	Q7MWN3	ECP	F5XDJ8	CYT	peg.408	ECP	peg.161	PERI	peg.1778	CYT	peg.1341	PERI
B2RLM3	CYT	Q7MXQ3	IM TM	F5X8Y2	IM TM	peg.1298	CYT	peg.873	IM TM	peg.168	CYT	peg.415	CYT
B2RJ41	IM TM	Q7MVM7	CYT	F5X7U9	CYT	peg.499	PERI	peg.1032	CYT	peg.267	CYT	peg.315	IM TM
B2RIB3	CYT	Q7MXV8	IM TM	F5XCP8	IM TM	peg.58	CYT	peg.368	CYT	peg.974	CYT	peg.795	CYT
B2RK97	IM TM	Q7MWC3	CYT	F5X890	CYT	peg.1945	PERI	peg.1010	CYT	peg.1868	CYT	peg.310	OM LP
B2RJH0	PERI	Q7MUV5	CYT	F5XAC2	CYT	peg.1848	IM TM	peg.1113	CYT	peg.1823	IM TM	peg.2132	CYT
B2RJ91	CYT	Q7MVW1	CYT	G1UBU2	CYT	peg.1112	CYT	peg.1253	CYT	peg.349	CYT	peg.76	CYT
B2RLN1	CYT	Q7MVZ4	CYT	F5XA27	CYT	peg.553	IM LP	peg.220	PERI	peg.1879	CYT	peg.977	OM
B2RH85	CYT	Q7MV66	CYT	F5XC69	PERI	peg.1512	CYT	peg.926	CYT	peg.308	CYT	peg.195	IM TM
B2RJN6	CYT	F5H9J5	OM	F5XA84	ECP	peg.1940	CYT	peg.1058	CYT	peg.1806	IM TM	peg.1638	CYT
B2RHD1	PorSS	Q7MU97	CYT	F5XD83	IM TM	peg.352	CYT	peg.728	CYT	peg.610	CYT	peg.1939	CYT

B2RLR6	CYT	Q7MW58	PorSS	F5XD16	CYT	peg.1393	CYT	peg.1796	CYT	peg.1092	CYT	peg.945	IM TM
B2RHJo	PERI	Q7MT47	IM TM	F5X7L1	ECP	peg.2043	IM TM	peg.1160	ECP	peg.1209	CYT	peg.18	CYT
B2RH19	IM TM	Q7MWJ5	CYT	F5XD49	CYT	peg.1996	CYT	peg.1504	CYT	peg.495	IM TM	peg.674	CYT
B2RIE3	ECP	Q7MW87	CYT	F5X9K0	CYT	peg.462	CYT	peg.1039	IM TM	peg.1962	OM	peg.1287	CYT
B2RJH9	IM TM	Q7MW35	IM TM	F5XBC1	PERI	peg.2081	IM TM	peg.1581	PERI	peg.127	IM TM	peg.605	CYT
B2RL32	CYT	Q7MUE3	PERI	F5X870	CYT	peg.1896	IM TM	peg.347	CYT	peg.658	CYT	peg.1482	IM TM
B2RLN9	CYT	Q7MXR1	CYT	F5XAA6	CYT	peg.843	IM TM	peg.1750	CYT	peg.1289	IM TM	peg.1822	IM TM
B2RKN9	ECP	Q7MU03	CYT	F5XCDS	OM LP	peg.1959	CYT	peg.1937	PERI	peg.1036	PERI	peg.1875	CYT
B2RJ86	CYT	Q7MTF1	CYT	F5X715	CYT	peg.261	CYT	peg.1244	CYT	peg.1232	CYT	peg.113	CYT
B2RHK1	CYT	Q7MX07	PERI	F5X873	CYT	peg.360	IM TM	peg.1017	CYT	peg.202	CYT	peg.1111	CYT
B2RIS2	CYT	Q7MVU4	IM TM	F5X875	IM TM	peg.1569	CYT	peg.259	OM LP	peg.684	CYT	peg.1377	CYT
B2RHB3	OM LP	Q7MXG8	CYT	F5X857	CYT	peg.139	CYT	peg.349	CYT	peg.1219	CYT	peg.1524	CYT
B2RHC9	CYT	Q7MXL9	CYT	F5XA62	CYT	peg.508	OM LP	peg.717	CYT	peg.843	CYT	peg.952	CYT
B2RLT1	IM TM	Q7MUU1	IM TM	F5XC63	CYT	peg.1327	CYT	peg.2055	CYT	peg.256	PERI	peg.1440	CYT
B2RHT8	CYT	Q7MX39	CYT	F5XC55	CYT	peg.1437	PERI	peg.1956	CYT	peg.1042	IM TM	peg.1361	IM TM
B2RKH2	PERI	Q7MV77	CYT	F5X997	IM TM	peg.989	PERI	peg.1774	PERI	peg.971	CYT	peg.391	CYT
B2RKV7	CYT	Q7MVN6	CYT	F5XCH1	CYT	peg.1025	CYT	peg.1882	CYT	peg.1738	OM	peg.2085	CYT
B2RMI7	OM LP	Q7MUJ3	CYT	F5XDK4	IM TM	peg.1449	CYT	peg.2006	PERI	peg.1828	IM TM	peg.2084	IM TM
B2RJR1	IM TM	Q7MWV9	IM LP	F5XCH3	CYT	peg.180	CYT	peg.1878	IM TM	peg.998	CYT	peg.866	CYT
B2RKN6	CYT	Q7MW26	CYT	F5X7H9	CYT	peg.894	CYT	peg.577	CYT	peg.959	CYT	peg.698	CYT
B2RHU1	CYT	Q7MT57	OM	F5XBDO	ECP	peg.1289	CYT	peg.439	PERI	peg.1331	CYT	peg.184	CYT
B2RKG9	IM TM	Q7MT91	PERI	F5XA43	CYT	peg.1411	ECP	peg.1005	IM TM	peg.101	CYT	peg.974	OM
B2RHB6	CYT	Q7MVQ9	PERI	F5X7Y9	IM TM	peg.1353	CYT	peg.1675	CYT	peg.1322	CYT	peg.588	CYT
B2RHH0	IM TM	Q7MVM2	PorSS	F5X939	CYT	peg.591	CYT	peg.1204	IM TM	peg.395	IM TM	peg.127	CYT
B2RJZ1	CYT	Q7MUJo	CYT	F5XD18	CYT	peg.1807	CYT	peg.1947	CYT	peg.894	CYT	peg.519	CYT
B2RJTo	PERI	Q7MUK1	CYT	F5X8Y9	CYT	peg.126	OM LP	peg.2029	CYT	peg.1285	OM LP	peg.719	CYT
B2RLD1	IM TM	Q7MVN7	CYT	F5X9W4	CYT	peg.1143	IM TM	peg.799	CYT	peg.264	CYT	peg.1436	CYT
B2RM31	PERI	Q7MNV9	IM TM	F5X9V2	PERI	peg.990	CYT	peg.1779	CYT	peg.41	OM	peg.946	CYT
B2RMP3	OM	Q7MXC1	IM TM	F5XAS9	OM	peg.2014	CYT	peg.270	CYT	peg.399	CYT	peg.501	ECP
B2RKT1	CYT	Q7MT62	ECP	F5XDE8	CYT	peg.2033	CYT	peg.582	IM TM	peg.595	CYT	peg.1272	CYT
B2RLB9	CYT	Q7MVU7	IM TM	F5X7Y1	IM TM	peg.386	ECP	peg.908	CYT	peg.674	CYT	peg.1346	PERI
B2RIQ3	OM	Q7MTC6	CYT	F5XCCK4	CYT	peg.1678	CYT	peg.273	CYT	peg.1942	CYT	peg.2136	ECP
B2RJF5	CYT	Q7MVZ3	CYT	F5XDE7	PERI	peg.1760	OM LP	peg.446	IM TM	peg.1336	IM TM	peg.1519	CYT
B2RJZ2	CYT	Q7MXH3	IM TM	F5XBE1	IM LP	peg.1490	CYT	peg.1293	CYT	peg.1547	PERI	peg.166	CYT
B2RMC8	IM TM	Q7MTZ4	IM TM	F5XCA2	CYT	peg.1872	CYT	peg.1345	PERI	peg.915	CYT	peg.1205	ECP
B2RHV1	CYT	Q7MXY8	CYT	F5XDE4	CYT	peg.837	CYT	peg.1471	unknown	peg.2060	IM TM	peg.1307	CYT
B2RIV5	CYT	Q7MUA7	OM	F5X8Z8	CYT	peg.1034	IM TM	peg.682	IM TM	peg.2048	CYT	peg.677	CYT
B2RMF2	IM LP	F5HG90	OM	F5XDG4	CYT	peg.1159	IM TM	peg.1536	CYT	peg.1663	CYT	peg.705	CYT
B2RK83	CYT	Q7MVB3	CYT	F5XC09	CYT	peg.315	IM LP	peg.562	IM LP	peg.1756	IM TM	peg.618	ECP
B2RKZ8	IM TM	Q7MTV3	CYT	F5X8F9	IM TM	peg.570	CYT	peg.1564	ECP	peg.1438	PERI	peg.1423	CYT
B2RHA9	CYT	Q7MUP0	CYT	F5X9Z3	IM TM	peg.655	CYT	peg.591	CYT	peg.1948	OM	peg.1592	CYT
B2RJ89	CYT	Q7MVB4	CYT	F5XCk0	CYT	peg.1284	CYT	peg.1571	PERI	peg.756	CYT	peg.1496	CYT
B2RGR8	CYT	Q7MUB6	CYT	F5XAN5	CYT	peg.1823	IM TM	peg.111	CYT	peg.1037	CYT	peg.1850	CYT

B2RMK9	CYT	Q7MTN3	IM TM	F5XAA9	CYT	peg.173	CYT	peg.1196	OM LP	peg.239	CYT	peg.834	IM TM
B2RI96	IM TM	Q7MU16	CYT	F5X8V7	CYT	peg.902	CYT	peg.735	OM LP	peg.1164	PERI	peg.527	CYT
B2RKX2	CYT	Q7MAV7	CYT	F5XB48	CYT	peg.1251	CYT	peg.159	CYT	peg.2009	IM TM	peg.1419	OM
B2RK38	ECP	Q7MWR4	CYT	F5X7Z2	CYT	peg.1775	CYT	peg.1315	CYT	peg.1728	IM TM	peg.277	CYT
B2RI06	OM	Q7MW07	CYT	F5X7No	CYT	peg.1850	CYT	peg.1844	CYT	peg.1076	CYT	peg.1120	IM TM
B2RLJ8	IM TM	Q7MWG5	CYT	F5XDF7	CYT	peg.980	CYT	peg.836	CYT	peg.235	CYT	peg.204	CYT
B2RI69	IM TM	Q7MXJ7	OM	F5XB58	ECP	peg.1802	CYT	peg.1028	CYT	peg.1623	CYT	peg.406	CYT
B2RJ57	IM TM	Q7MTT7	CYT	F5X8W6	CYT	peg.1375	CYT	peg.676	IM TM	peg.765	OM	peg.320	OM LP
B2RLU2	OM	Q7MTY1	IM LP	F5XCv6	CYT	peg.1509	ECP	peg.46	IM TM	peg.1932	CYT	peg.817	CYT
B2RH74	PERI	Q7MX93	CYT	F5X7J6	CYT	peg.1556	OM	peg.1139	CYT	peg.747	IM TM	peg.743	CYT
B2RIU6	CYT	Q7MT40	IM TM	F5X903	PERI	peg.144	CYT	peg.33	PERI	peg.938	CYT	peg.1087	PERI
B2RHR7	CYT	Q7MX29	CYT	F5X7P6	CYT	peg.794	IM TM	peg.837	CYT	peg.1117	CYT	peg.1231	OM
B2RJ14	CYT	Q7MT08	PERI	F5XAL2	ECP	peg.2077	CYT	peg.590	CYT	peg.2141	CYT	peg.1953	CYT
B2RHS6	CYT	Q7MTH7	CYT	F5XB36	CYT	peg.1607	PERI	peg.1839	CYT	peg.1500	CYT	peg.1994	OM LP
B2RIL1	IM LP	Q7MWJ1	CYT	F5XBD5	CYT	peg.917	CYT	peg.1927	IM TM	peg.589	CYT	peg.1109	CYT
B2RLB7	PERI	Q7MUCo	PERI	F5X8H7	CYT	peg.1537	OM LP	peg.672	CYT	peg.1464	IM TM	peg.1460	CYT
B2RLW0	CYT	Q7MTH4	ECP	F5XA83	CYT	peg.967	ECP	peg.880	PERI	peg.1980	CYT	peg.265	CYT
B2RJF6	CYT	Q7MT54	OM	F5XAG1	CYT	peg.1371	CYT	peg.1332	CYT	peg.899	CYT	peg.1335	CYT
B2RHA1	CYT	Q7MVX2	IM LP	F5XB26	CYT	peg.1844	CYT	peg.513	CYT	peg.61	IM TM	peg.596	CYT
B2RLL8	OM	Q7MVT3	PERI	F5XCW5	CYT	peg.604	OM	peg.705	IM TM	peg.1134	CYT	peg.922	PERI
B2RJX0	CYT	Q7MVD3	CYT	F5X8M9	PERI	peg.1899	CYT	peg.1088	CYT	peg.1582	CYT	peg.2070	CYT
B2RIZ2	IM TM	Q7MXI0	CYT	F5XCA3	CYT	peg.744	PERI	peg.1517	CYT	peg.1454	CYT	peg.387	IM TM
B2RIF6	CYT	Q7MUA3	CYT	F5X966	IM TM	peg.937	CYT	peg.1490	CYT	peg.1535	CYT	peg.983	CYT
B2RH26	PorSS	Q7MUQ8	CYT	F5XCho	CYT	peg.389	CYT	peg.376	CYT	peg.600	CYT	peg.1640	CYT
B2RKF5	CYT	Q7MUA8	IM TM	F5XA39	CYT	peg.1482	CYT	peg.1631	ECP	peg.1004	PorSS	peg.29	CYT
B2RJko	CYT	Q7MUN3	PERI	F5XBG6	CYT	peg.124	CYT	peg.364	CYT	peg.1293	CYT	peg.379	CYT
B2RKC7	CYT	Q7MVA5	CYT	F5X8Q8	IM LP	peg.174	CYT	peg.203	IM TM	peg.1893	CYT	peg.1476	CYT
B2RL01	CYT	Q7MWZ6	CYT	F5XBL3	CYT	peg.1790	CYT	peg.643	CYT	peg.2169	CYT	peg.1968	CYT
B2RIM6	CYT	Q7MXJ0	CYT	F5X9L9	CYT	peg.235	CYT	peg.723	CYT	peg.1866	CYT	peg.491	PERI
B2RMJ6	CYT	Q7MXQ6	CYT	F5XD29	CYT	peg.1907	CYT	peg.1339	CYT	peg.440	CYT	peg.638	CYT
B2RM86	CYT	Q7MXU8	IM TM	F5XBL1	CYT	peg.747	CYT	peg.471	OM LP	peg.1887	CYT	peg.64	CYT
B2RJF3	ECP	Q7MT16	CYT	F5X9F7	CYT	peg.861	CYT	peg.534	CYT	peg.274	CYT	peg.1983	ECP
B2RL65	OM	Q7MW33	CYT	F5XDC9	CYT	peg.207	IM TM	peg.489	CYT	peg.1634	CYT	peg.1868	IM TM
B2RHQ8	CYT	Q7MVP9	IM TM	F5X9K3	CYT	peg.942	CYT	peg.668	CYT	peg.1787	CYT	peg.1457	IM TM
B2RIY0	IM TM	Q7MU94	ECP	F5XAY7	CYT	peg.1735	ECP	peg.1489	CYT	peg.39	CYT	peg.896	CYT
B2RL18	OM LP	Q7MWM1	IM TM	F5X7F9	IM TM	peg.295	CYT	peg.1165	IM TM	peg.2027	ECP	peg.1104	CYT
B2RKX7	CYT	Q7MTI1	OM	F5X7F6	CYT	peg.808	CYT	peg.962	CYT	peg.1883	CYT	peg.1121	IM TM
B2RKH3	PERI	Q7MAX0	CYT	F5X8K7	CYT	peg.1826	CYT	peg.484	ECP	peg.449	CYT	peg.1216	IM TM
B2RHF0	CYT	Q7MVE1	IM TM	F5XCV5	CYT	peg.830	OM	peg.664	CYT	peg.1198	ECP	peg.536	CYT
B2RKI9	CYT	Q7MU24	CYT	F5X7E4	IM TM	peg.1565	IM TM	peg.917	CYT	peg.1562	CYT	peg.1383	CYT
B2RMC9	CYT	Q7MWM9	CYT	F5XCG6	CYT	peg.1366	CYT	peg.1301	CYT	peg.1445	CYT	peg.289	CYT
B2RJ22	ECP	Q7MW06	CYT	F5X7Y4	CYT	peg.1504	IM TM	peg.618	ECP	peg.1995	CYT	peg.709	IM TM
B2RHC1	IM TM	Q7MXG7	ECP	F5XC04	CYT	peg.377	PERI	peg.1767	CYT	peg.936	CYT	peg.687	IM TM

B2RKN5	CYT	Q7MXA9	CYT	F5X7P5	OM LP	peg.666	CYT	peg.266	CYT	peg.1347	IM TM	peg.546	IM TM
B2RIB2	CYT	Q7MXH2	PERI	F5XCF3	CYT	peg.2093	IM TM	peg.806	CYT	peg.118	CYT	peg.308	OM
B2RJ76	IM TM	Q7MTX3	IM TM	F5XBT1	CYT	peg.1531	ECP	peg.466	CYT	peg.1950	CYT	peg.1601	CYT
B2RHT2	IM TM	Q7MXE0	CYT	F5XDD7	CYT	peg.1836	IM TM	peg.1809	IM TM	peg.1366	CYT	peg.1408	CYT
B2RIA7	CYT	Q7MT67	ECP	F5XCK5	IM TM	peg.494	ECP	peg.188	CYT	peg.1183	OM LP	peg.2010	IM TM
B2RIC3	PERI	Q7MT90	IM TM	F5X8K6	CYT	peg.643	PERI	peg.330	IM LP	peg.2172	IM TM	peg.931	PERI
B2RKF8	CYT	Q7MXM9	CYT	F5X8L1	CYT	peg.920	CYT	peg.501	CYT	peg.382	CYT	peg.1080	OM
B2RJJ3	CYT	Q7MVX0	IM LP	F5X8H3	CYT	peg.118	PERI	peg.1920	IM TM	peg.1019	CYT	peg.96	CYT
B2RI76	CYT	Q7MTC0	PERI	F5X7Z0	CYT	peg.503	IM TM	peg.755	CYT	peg.1795	CYT	peg.134	PERI
B2RJ65	CYT	Q7MWC5	IM TM	F5XDC4	CYT	peg.1460	IM TM	peg.866	CYT	peg.1974	OM	peg.80	CYT
B2RIP1	CYT	Q7MT58	CYT	F5X9E1	CYT	peg.972	CYT	peg.74	CYT	peg.1222	IM TM	peg.670	CYT
B2RLN8	CYT	Q7MTR8	CYT	F5XD69	CYT	peg.2072	CYT	peg.1498	CYT	peg.74	CYT	peg.510	CYT
B2RIV2	OM	Q7MV85	CYT	F5X9A7	CYT	peg.1664	CYT	peg.954	CYT	peg.1204	OM LP	peg.2079	CYT
B2RIC6	CYT	Q7MWU6	PERI	F5XC70	CYT	peg.1396	CYT	peg.28	CYT	peg.1917	PERI	peg.1738	CYT
B2RJH5	CYT	Q7MVC1	CYT	F5XCZ7	CYT	peg.344	CYT	peg.1665	CYT	peg.286	CYT	peg.1929	CYT
B2RJ19	CYT	Q7MU28	CYT	F5XCI0	CYT	peg.910	CYT	peg.1508	CYT	peg.1146	PERI	peg.1510	CYT
B2RH21	OM LP	Q7MW59	CYT	F5X896	ECP	peg.290	unknown	peg.851	CYT	peg.642	IM TM	peg.1244	CYT
B2RJ12	CYT	Q7MTQ7	OM LP	F5XA10	ECP	peg.48	CYT	peg.1413	CYT	peg.142	CYT	peg.844	PERI
B2RKH9	ECP	Q7MT87	PERI	F5XCJ2	CYT	peg.631	IM TM	peg.765	CYT	peg.1553	ECP	peg.1505	CYT
B2RKD6	CYT	Q7MVC8	IM TM	F5XAE7	CYT	peg.1188	IM TM	peg.1521	ECP	peg.617	CYT	peg.1599	CYT
B2RIB1	CYT	Q7MXI7	IM TM	F5XD82	IM TM	peg.247	CYT	peg.530	CYT	peg.1361	CYT	peg.338	IM TM
B2RIY5	PERI	Q7MVT2	CYT	F5XC31	CYT	peg.334	CYT	peg.584	CYT	peg.54	CYT	peg.1861	CYT
B2RKV9	IM TM	Q7MXI1	IM TM	F5X7V1	CYT	peg.717	IM TM	peg.93	CYT	peg.1424	CYT	peg.141	CYT
B2RJB3	IM TM	Q7MTE7	CYT	F5X716	IM TM	peg.1103	CYT	peg.1501	CYT	peg.2113	CYT	peg.2027	CYT
B2RI93	CYT	Q7MTA9	PERI	F5XD42	CYT	peg.1773	CYT	peg.247	CYT	peg.2081	CYT	peg.2063	PERI
B2RJ11	CYT	Q7MTS6	ECP	F5X9H1	ECP	peg.169	IM TM	peg.829	CYT	peg.1440	PERI	peg.1962	CYT
B2RLC8	IM TM	Q7MWQ5	CYT	F5X8Y6	CYT	peg.1195	CYT	peg.1621	CYT	peg.2101	CYT	peg.1352	CYT
B2RI94	CYT	Q7MU75	IM TM	F5X7H2	IM TM	peg.1904	IM TM	peg.1880	OM	peg.482	CYT	peg.697	CYT
B2RME9	CYT	Q7MTX1	CYT	F5XC46	CYT	peg.1442	IM TM	peg.1064	CYT	peg.220	CYT	peg.1764	CYT
B2RI86	CYT	Q7MWW2	CYT	F5X9M4	CYT	peg.2102	IM TM	peg.63	OM	peg.607	CYT	peg.1238	CYT
B2RHL1	CYT	Q7MV76	CYT	F5XA01	ECP	peg.852	IM TM	peg.1122	CYT	peg.2020	CYT	peg.1096	CYT
B2RLP2	OM LP	Q7MVC4	CYT	F5X7G2	IM TM	peg.1333	IM TM	peg.14	CYT	peg.2045	CYT	peg.2006	CYT
B2RGN6	CYT	Q7MWV7	PERI	F5XDB2	CYT	peg.1645	IM LP	peg.1442	CYT	peg.1297	CYT	peg.1779	CYT
B2RID2	CYT	Q7MUX5	CYT	F5X9E5	ECP	peg.427	CYT	peg.539	ECP	peg.666	PorSS	peg.239	IM
B2RKI8	PERI	Q7MVB9	CYT	F5XDF8	CYT	peg.696	CYT	peg.1914	CYT	peg.1325	IM TM	peg.1588	IM TM
B2RLK7	PorSS	Q7MUR4	CYT	F5XC74	CYT	peg.557	CYT	peg.225	CYT	peg.356	CYT	peg.2057	CYT
B2RL21	PERI	Q7MUC5	ECP	F5X9R6	CYT	peg.430	CYT	peg.771	CYT	peg.334	CYT	peg.174	CYT
B2RKU7	CYT	Q7MWA1	IM TM	F5X844	CYT	peg.589	CYT	peg.1652	CYT	peg.633	CYT	peg.2105	PERI
B2RIM3	CYT	Q7MXS8	IM LP	F5XBI5	CYT	peg.1094	CYT	peg.687	CYT	peg.1024	PERI	peg.199	CYT
B2RJ32	CYT	Q7MTT1	CYT	F5X8J2	IM TM	peg.822	ECP	peg.1601	ECP	peg.884	CYT	peg.1684	CYT
B2RGY6	CYT	Q7MW53	CYT	F5X8C3	IM TM	peg.625	OM	peg.580	CYT	peg.379	CYT	peg.461	OM
B2RJ67	CYT	Q7MVL6	CYT	F5X8K4	CYT	peg.1972	ECP	peg.1720	CYT	peg.546	CYT	peg.270	CYT
B2RKE7	OM LP	Q7MX13	PERI	F5XAA1	IM TM	peg.874	unknown	peg.24	CYT	peg.559	IM TM	peg.1374	IM TM



B2RKM0	CYT	Q7MV67	IM TM	F5XD14	ECP	peg.1291	CYT	peg.1746	CYT	peg.1607	CYT	peg.2047	IM TM
B2RJS8	CYT	Q7MVE6	PERI	F5XAZ7	CYT	peg.1610	IM TM	peg.1908	CYT	peg.1994	IM TM	peg.1541	CYT
B2RK93	CYT	Q7MVW0	CYT	F5X8U5	CYT	peg.918	CYT	peg.1466	CYT	peg.1352	CYT	peg.118	CYT
B2RL69	CYT	Q7MUT7	IM TM	F5X792	IM TM	peg.819	IM TM	peg.1968	CYT	peg.504	IM LP	peg.1501	CYT
B2RM59	IM TM	Q7MU63	PERI	F5XB93	ECP	peg.481	CYT	peg.611	IM TM	peg.521	IM TM	peg.1816	PERI
B2RLB5	CYT	Q7MV82	unknown	F5X9X8	CYT	peg.335	PERI	peg.1338	CYT	peg.945	OM	peg.475	OM
B2RKT7	IM TM	Q7MUW4	CYT	F5X7To	CYT	peg.1991	IM TM	peg.1539	OM	peg.980	CYT	peg.767	CYT
B2RK89	CYT	Q7MUT2	IM TM	F5XAU4	ECP	peg.2106	IM TM	peg.1003	CYT	peg.1171	CYT	peg.1210	ECP
B2RKC6	IM TM	Q7MXE3	IM TM	F5X945	CYT	peg.607	CYT	peg.1096	IM TM	peg.593	CYT	peg.1224	CYT
B2RLG0	CYT	Q7MVN5	CYT	F5X9J5	ECP	peg.1832	IM TM	peg.59	CYT	peg.904	CYT	peg.1546	CYT
B2RK35	CYT	Q7MVQ1	CYT	F5XBI7	CYT	peg.2006	CYT	peg.136	CYT	peg.1303	PERI	peg.241	IM TM
B2RJ68	CYT	Q7MX76	CYT	F5X7I3	ECP	peg.1069	CYT	peg.983	CYT	peg.613	IM TM	peg.1845	IM TM
B2RM22	IM TM	Q7MUQ3	CYT	F5XA60	CYT	peg.1137	CYT	peg.1173	CYT	peg.1759	CYT	peg.1154	PERI
B2RHY1	CYT	Q7MU71	PERI	F5XBC3	CYT	peg.1178	CYT	peg.1048	CYT	peg.793	ECP	peg.1319	CYT
B2RGN3	PERI	Q7MUB9	CYT	F5X9Q0	CYT	peg.1487	CYT	peg.320	CYT	peg.537	PERI	peg.248	CYT
B2RKY1	IM TM	Q7MX50	CYT	F5XBD7	CYT	peg.661	CYT	peg.1798	CYT	peg.1115	CYT	peg.1752	ECP
B2RH93	CYT	Q7MT29	CYT	F5X9S2	CYT	peg.1199	CYT	peg.1739	CYT	peg.689	CYT	peg.1946	PERI
B2RIH4	CYT	Q7MUD4	CYT	F5XC56	CYT	peg.1207	CYT	peg.969	IM TM	peg.89	CYT	peg.855	OM LP
B2RIB6	OM LP	Q7MVR6	CYT	F5XCV7	IM TM	peg.834	CYT	peg.1834	CYT	peg.11	CYT	peg.1783	CYT
B2RHU0	CYT	Q7MVD6	CYT	F5X9U8	CYT	peg.996	OM	peg.1732	PERI	peg.571	CYT	peg.1290	CYT
B2RLU4	OM LP	Q7MVM8	IM TM	F5XB75	CYT	peg.1724	CYT	peg.776	CYT	peg.846	IM TM	peg.602	ECP
B2RJN3	IM TM	Q7MUG7	IM TM	F5XCy2	CYT	peg.1098	CYT	peg.1961	CYT	peg.2107	CYT	peg.969	ECP
B2RL20	CYT	Q7MXI2	IM TM	F5XB14	ECP	peg.1954	CYT	peg.601	CYT	peg.829	CYT	peg.824	CYT
B2RKQ6	OM	Q7MT46	CYT	F5XB12	IM TM	peg.1985	IM TM	peg.1217	IM TM	peg.816	CYT	peg.1521	PERI
B2RKZ2	IM TM	Q7MT33	CYT	F5XBA4	CYT	peg.454	CYT	peg.1876	CYT	peg.677	PERI	peg.172	CYT
B2RH25	OM LP	Q7MTZ9	CYT	F5X8K5	CYT	peg.1286	CYT	peg.659	CYT	peg.1892	CYT	peg.1420	IM TM
B2RGW2	CYT	Q7M WV1	IM TM	F5X9N3	CYT	peg.966	CYT	peg.882	PERI	peg.1252	CYT	peg.1389	IM LP
B2RHU2	PERI	Q7MUK0	CYT	F5XAN9	CYT	peg.1347	CYT	peg.1481	OM LP	peg.1684	CYT	peg.1558	IM TM
B2RH99	IM TM	Q7M WZ5	CYT	F5X7G4	CYT	peg.1454	IM TM	peg.437	OM	peg.2096	CYT	peg.1954	CYT
B2RLI2	CYT	Q7MVU1	CYT	F5XC26	IM TM	peg.221	CYT	peg.1813	ECP	peg.134	IM TM	peg.2121	CYT
B2RK05	OM LP	Q7MW44	CYT	F5X907	CYT	peg.1464	CYT	peg.887	CYT	peg.52	ECP	peg.38	CYT
B2RMD8	ECP	Q7MWF6	CYT	F5XCA4	CYT	peg.530	CYT	peg.163	CYT	peg.1261	CYT	peg.1277	CYT
B2RGV8	CYT	Q7MVH7	CYT	G1UBT8	PERI	peg.1423	IM TM	peg.316	CYT	peg.941	CYT	peg.1829	IM TM
B2RKR3	ECP	Q7MXC8	OM LP	F5XBR1	IM TM	peg.1653	CYT	peg.1191	CYT	peg.29	CYT	peg.1960	ECP
B2RIB8	PERI	Q7MV42	CYT	F5X9D5	ECP	peg.390	CYT	peg.353	IM TM	peg.218	CYT	peg.691	CYT
B2RJ13	CYT	Q7MTJ7	CYT	F5XCF5	IM TM	peg.237	PERI	peg.60	CYT	peg.543	IM TM	peg.668	CYT
B2RJ13	IM TM	Q7MXW2	CYT	F5XBP3	CYT	peg.176	CYT	peg.1366	CYT	peg.777	CYT	peg.225	CYT
B2RJV8	CYT	Q7MWL4	CYT	F5XBP1	PERI	peg.1302	IM TM	peg.1447	OM	peg.1085	OM LP	peg.1627	CYT
B2RJR4	CYT	Q7MWB7	CYT	F5XBB8	CYT	peg.1527	CYT	peg.660	CYT	peg.1964	CYT	peg.1728	CYT
B2RKH0	CYT	Q7MXV2	IM TM	F5XAL7	CYT	peg.559	CYT	peg.2037	IM TM	peg.926	IM TM	peg.1937	CYT
B2RIP6	CYT	Q7MX12	PERI	F5X7N7	CYT	peg.778	CYT	peg.529	CYT	peg.227	CYT	peg.82	IM TM
B2RLG4	PERI	Q7MTS3	CYT	F5XA41	IM TM	peg.1254	CYT	peg.234	IM TM	peg.1676	CYT	peg.993	OM
B2RMD4	CYT	Q7MW45	CYT	F5X8T1	CYT	peg.1750	PERI	peg.1306	CYT	peg.655	CYT	peg.805	OM

B2RJH7	CYT	Q7MT02	CYT	F5X7J8	CYT	peg.467	CYT	peg.1636	CYT	peg.384	CYT	peg.791	OM
B2RJJ7	OM LP	Q7MSZ5	CYT	F5XBZ6	CYT	peg.1118	PERI	peg.221	CYT	peg.515	CYT	peg.585	PERI
B2RGZ6	OM LP	Q7MTJ1	IM TM	F5XD46	CYT	peg.240	CYT	peg.712	CYT	peg.1417	CYT	peg.412	IM TM
B2RIF0	IM TM	Q7MUY7	IM TM	F5X8P9	CYT	peg.926	IM TM	peg.374	CYT	peg.964	CYT	peg.1233	CYT
B2RH36	PERI	Q7MTU1	PERI	F5XAX5	ECP	peg.1480	CYT	peg.170	CYT	peg.354	IM TM	peg.170	CYT
B2RIM9	OM LP	Q7MVI4	CYT	F5XCZ5	ECP	peg.1980	CYT	peg.1057	CYT	peg.1590	CYT	peg.1132	CYT
B2RJR6	CYT	Q7MWQ9	CYT	F5XAS6	IM TM	peg.1824	CYT	peg.1544	CYT	peg.1154	CYT	peg.1999	CYT
B2RM56	CYT	Q7MVP0	IM TM	F5X8A3	CYT	peg.710	CYT	peg.1460	ECP	peg.2067	CYT	peg.1359	CYT
B2RHB5	CYT	Q7MX77	IM TM	F5XDE9	CYT	peg.1941	CYT	peg.7	IM TM	peg.1413	CYT	peg.1878	IM TM
B2RL60	CYT	Q7MUG0	CYT	F5X845	CYT	peg.270	CYT	peg.1158	CYT	peg.1087	OM	peg.1067	CYT
B2RIQ8	CYT	Q7MZW1	IM TM	F5X8A2	CYT	peg.914	CYT	peg.1232	CYT	peg.233	ECP	peg.973	OM
B2RMB0	OM	Q7MWQ2	CYT	F5X9F0	CYT	peg.801	CYT	peg.1271	CYT	peg.1748	CYT	peg.19	PERI
B2RLQ8	CYT	Q7MVW5	IM TM	F5XB43	CYT	peg.66	CYT	peg.414	CYT	peg.1875	CYT	peg.484	CYT
B2RKP3	CYT	Q7MWA5	OM LP	F5X8U8	CYT	peg.1309	IM TM	peg.126	CYT	peg.805	PERI	peg.643	CYT
B2RKC4	CYT	Q7MVG2	IM TM	F5X7W1	IM TM	peg.2087	CYT	peg.625	CYT	peg.1379	CYT	peg.647	CYT
B2RLF4	IM TM	Q7MVD8	unknown	F5X9F6	CYT	peg.226	CYT	peg.916	ECP	peg.1812	CYT	peg.1628	CYT
B2RJ58	OM	Q7MWQ1	CYT	F5XCQ4	CYT	peg.23	PorSS	peg.1371	CYT	peg.1953	IM TM	peg.989	CYT
B2RM73	IM TM	Q7MU48	CYT	F5X9G7	ECP	peg.392	IM TM	peg.251	CYT	peg.1069	CYT	peg.1049	CYT
B2RIH6	CYT	Q7MWA4	CYT	F5XDG8	CYT	peg.1016	CYT	peg.1166	IM TM	peg.1290	IM TM	peg.570	IM TM
B2RKH8	IM TM	Q7MXB4	OM	F5XD30	CYT	peg.857	CYT	peg.1858	CYT	peg.1502	IM TM	peg.836	PERI
B2RJ93	CYT	Q7MUE4	PERI	F5XCM8	CYT	peg.1554	PERI	peg.1853	CYT	peg.272	IM LP	peg.2000	CYT
B2RM13	ECP	Q7MUB8	CYT	F5XC67	IM TM	peg.1303	CYT	peg.1256	PorSS	peg.328	CYT	peg.716	PERI
B2RIX8	CYT	Q7MVE3	CYT	F5X901	CYT	peg.1024	CYT	peg.451	CYT	peg.1469	CYT	peg.425	OM
B2RKT3	CYT	Q7MVU0	CYT	F5XA25	IM TM	peg.1276	IM TM	peg.283	CYT	peg.1659	CYT	peg.1071	CYT
B2RL41	CYT	Q7MU51	OM LP	F5XBN7	CYT	peg.243	CYT	peg.1851	CYT	peg.1895	CYT	peg.1514	CYT
B2RKZ1	CYT	Q7MVV1	CYT	F5XBX0	CYT	peg.300	CYT	peg.638	CYT	peg.745	CYT	peg.1539	CYT
B2RI04	CYT	Q7MU32	IM TM	F5X9J6	CYT	peg.146	CYT	peg.1685	CYT	peg.592	PERI	peg.1997	CYT
B2RGN2	CYT	Q7MVF0	CYT	F5XD13	CYT	peg.1403	OM LP	peg.1185	PERI	peg.799	ECP	peg.389	IM TM
B2RJN2	CYT	Q7MWK4	CYT	F5XBLO	CYT	peg.2065	CYT	peg.975	IM TM	peg.1173	CYT	peg.129	IM TM
B2RHX6	CYT	Q7MWE4	CYT	F5X7E8	ECP	peg.888	CYT	peg.1649	CYT	peg.2163	CYT	peg.970	CYT
B2RGP1	IM TM	Q7MUQ1	IM TM	F5X917	CYT	peg.1644	IM TM	peg.985	CYT	peg.663	CYT	peg.187	IM TM
B2RH23	CYT	Q7MVM3	CYT	F5X8Q5	CYT	peg.840	ECP	peg.999	CYT	peg.908	IM TM	peg.590	CYT
B2RKA5	ECP	Q7MVF3	CYT	F5XDJ7	CYT	peg.1784	IM TM	peg.460	CYT	peg.1372	CYT	peg.2135	CYT
B2RI53	IM TM	F5HFD5	CYT	F5X884	OM LP	peg.593	CYT	peg.343	OM	peg.1927	CYT	peg.1209	CYT
B2RHM3	CYT	Q7MT03	CYT	F5XCL7	CYT	peg.2082	CYT	peg.44	IM TM	peg.107	IM TM	peg.1415	CYT
B2RJR2	CYT	Q7MXA1	IM TM	F5X987	CYT	peg.1865	ECP	peg.102	PERI	peg.1567	CYT	peg.1323	ECP
B2RGP7	PERI	Q7MUF4	IM TM	F5X7K9	CYT	peg.2052	CYT	peg.1789	CYT	peg.1234	IM TM	peg.2036	IM LP
B2RM28	CYT	Q7MWW5	IM TM	F5XC97	CYT	peg.1795	CYT	peg.1864	CYT	peg.729	CYT	peg.882	IM TM
B2RGM6	CYT	Q7MVJ4	CYT	F5XBS3	CYT	peg.623	CYT	peg.814	IM TM	peg.1506	OM	peg.26	CYT
B2RLI0	CYT	Q7MXU2	ECP	F5X958	IM TM	peg.752	CYT	peg.1438	IM LP	peg.491	CYT	peg.2028	CYT
B2RJS0	CYT	Q7MX05	CYT	F5XAK2	IM TM	peg.869	CYT	peg.1992	OM LP	peg.390	CYT	peg.1040	CYT
B2RJK7	IM TM	Q7MTZ8	CYT	F5X894	CYT	peg.111	CYT	peg.149	IM TM	peg.1447	CYT	peg.1345	IM TM
B2RGP2	CYT	Q7MAW1	CYT	F5X817	IM TM	peg.792	CYT	peg.973	IM TM	peg.764	PERI	peg.2102	CYT

B2RK59	IM TM	Q7MWF5	CYT	F5XCZ0	IM TM	peg.1076	CYT	peg.1297	IM TM	peg.155	CYT	peg.729	CYT
B2RJT5	CYT	Q7MVX8	CYT	F5XA00	CYT	peg.1545	CYT	peg.1619	OM	peg.1715	IM TM	peg.594	CYT
B2RL51	IM TM	Q7MW91	CYT	F5XBJ1	CYT	peg.1801	CYT	peg.788	CYT	peg.853	PERI	peg.1073	IM TM
B2RKU4	CYT	Q7MX04	OM LP	F5XC52	IM TM	peg.1385	CYT	peg.1455	IM TM	peg.106	CYT	peg.558	CYT
B2RGT8	PERI	Q7MTW2	IM TM	F5X8S7	CYT	peg.1713	CYT	peg.796	CYT	peg.1611	CYT	peg.1337	CYT
B2RLS4	CYT	Q7MWK8	OM	F5X825	CYT	peg.1715	CYT	peg.858	IM TM	peg.2079	ECP	peg.1708	CYT
B2RGP3	ECP	Q7MTE0	IM TM	F5X8F5	CYT	peg.1037	CYT	peg.1320	CYT	peg.1345	CYT	peg.1020	CYT
B2RGQ0	CYT	Q7MUU3	IM TM	F5X9A1	PERI	peg.2075	CYT	peg.458	PERI	peg.533	CYT	peg.1487	OM
B2RMH8	CYT	Q7MT93	ECP	F5XAT9	CYT	peg.1743	OM LP	peg.1159	CYT	peg.28	CYT	peg.275	CYT
B2RHZ3	CYT	Q7MX87	CYT	F5XBT9	CYT	peg.1369	IM TM	peg.1205	CYT	peg.280	CYT	peg.179	ECP
B2RLV7	CYT	Q7MW72	CYT	F5XD15	CYT	peg.253	PERI	peg.1221	IM TM	peg.2059	CYT	peg.1273	CYT
B2RHM8	CYT	Q7MVS6	IM TM	F5XAT6	CYT	peg.186	CYT	peg.727	CYT	peg.1224	CYT	peg.1693	CYT
B2RLE9	IM TM	Q7MWA8	CYT	F5XAU9	CYT	peg.326	CYT	peg.988	OM	peg.326	ECP	peg.1139	CYT
B2RIK0	CYT	Q7MV74	ECP	F5X810	CYT	peg.1120	CYT	peg.1907	CYT	peg.1389	OM LP	peg.746	CYT
B2RH17	CYT	Q7MVP6	CYT	F5XCR1	PERI	peg.1681	ECP	peg.825	IM TM	peg.1564	CYT	peg.319	PERI
B2RHM0	CYT	Q7MV50	IM TM	F5X8T7	CYT	peg.428	CYT	peg.206	IM TM	peg.1746	CYT	peg.407	CYT
B2RGZ2	IM TM	Q7MW74	CYT	F5X7U7	CYT	peg.1581	CYT	peg.1268	CYT	peg.377	OM LP	peg.240	OM
B2RGP9	CYT	Q7MVY3	CYT	F5XDC1	PERI	peg.881	CYT	peg.1891	CYT	peg.423	ECP	peg.70	CYT
B2RLF0	IM LP	Q7MTQ6	PERI	F5XDF1	CYT	peg.1811	CYT	peg.1422	CYT	peg.1079	OM LP	peg.1567	CYT
B2RHP2	CYT	Q7MUB5	IM TM	F5XCB8	CYT	peg.1880	CYT	peg.691	CYT	peg.302	CYT	peg.919	OM LP
B2RID7	IM TM	Q7MVX7	CYT	F5XB27	CYT	peg.759	CYT	peg.130	CYT	peg.568	IM TM	peg.782	IM LP
B2RGN9	CYT	Q7MWP0	ECP	F5XAF8	CYT	peg.191	OM LP	peg.1431	CYT	peg.1695	IM TM	peg.2089	IM TM
B2RI85	PorSS	Q7MTY6	ECP	F5XCS5	IM LP	peg.611	CYT	peg.805	CYT	peg.654	CYT	peg.89	CYT
B2RK10	CYT	Q7MWQ7	IM LP	F5XCE6	IM LP	peg.1138	IM TM	peg.673	IM TM	peg.1735	CYT	peg.214	CYT
B2RKA7	CYT	Q7MTF2	CYT	F5XB80	CYT	peg.1215	PERI	peg.177	PERI	peg.790	CYT	peg.1235	CYT
B2RKT4	CYT	Q7MW88	CYT	F5XCP1	CYT	peg.218	CYT	peg.1759	IM TM	peg.2050	CYT	peg.849	CYT
B2RHD8	CYT	Q7MX25	CYT	F5XAL5	CYT	peg.1154	CYT	peg.1983	IM TM	peg.434	CYT	peg.1282	CYT
B2RME5	CYT	Q7MXX7	CYT	F5XAY0	CYT	peg.1433	ECP	peg.380	ECP	peg.72	IM TM	peg.2088	CYT
B2RGQ2	CYT	Q7MTA2	ECP	F5X9P4	CYT	peg.2095	CYT	peg.1493	CYT	peg.141	CYT	peg.1896	CYT
B2RIR1	IM TM	Q7MV87	IM TM	F5XBI8	CYT	peg.520	OM LP	peg.1378	ECP	peg.1853	CYT	peg.314	CYT
B2RLS9	CYT	Q7MUL6	PERI	F5XAS8	OM	peg.943	OM LP	peg.884	IM TM	peg.1266	CYT	peg.43	CYT
B2RKR8	CYT	Q7MXE7	CYT	F5X832	CYT	peg.954	CYT	peg.88	CYT	peg.966	CYT	peg.1815	CYT
B2RLT7	CYT	Q7MWP9	CYT	F5X8M7	CYT	peg.1439	CYT	peg.443	CYT	peg.1241	CYT	peg.1885	CYT
B2RI91	CYT	Q7MX02	CYT	F5XAR7	IM TM	peg.364	CYT	peg.2002	IM TM	peg.832	CYT	peg.2055	CYT
B2RJK5	CYT	Q7MWL7	CYT	F5XAI4	CYT	peg.1140	CYT	peg.540	CYT	peg.2098	CYT	peg.1300	CYT
B2RI15	CYT	Q7MWE9	CYT	F5X9Z2	CYT	peg.2010	CYT	peg.1532	CYT	peg.1210	OM LP	peg.574	CYT
B2RGW1	CYT	Q7MWK3	CYT	F5X9W2	ECP	peg.546	CYT	peg.1674	CYT	peg.1202	OM	peg.1372	CYT
B2RH50	CYT	Q7MUG3	CYT	F5XD95	CYT	peg.1329	CYT	peg.448	CYT	peg.1335	CYT	peg.1907	ECP
B2RIZ6	CYT	Q7MV13	PERI	F5X7V9	CYT	peg.1492	IM TM	peg.1861	CYT	peg.95	CYT	peg.150	CYT
B2RH87	CYT	Q7MTT0	CYT	F5XBB6	IM TM	peg.1918	IM TM	peg.263	CYT	peg.1382	CYT	peg.1396	CYT
B2RJ77	CYT	Q7MWT6	IM TM	F5XCV1	CYT	peg.743	PERI	peg.1133	CYT	peg.1420	IM TM	peg.1156	ECP
B2RJX4	CYT	Q7MX59	IM TM	F5X8T0	CYT	peg.642	IM TM	peg.1919	CYT	peg.59	CYT	peg.2065	CYT
B2RMD9	IM TM	Q7MXU0	ECP	F5XDC5	CYT	peg.547	CYT	peg.1245	CYT	peg.1842	CYT	peg.617	CYT

B2RHL2	CYT	Q7MTP4	CYT	F5XBN5	CYT	peg.1356	PorSS	peg.877	PERI	peg.304	CYT	peg.1201	CYT
B2RLC5	IM TM	Q7MXV9	IM TM	F5XA47	IM TM	peg.1533	OM	peg.811	IM TM	peg.1277	CYT	peg.1971	ECP
B2RJQ4	CYT	Q7MWC8	CYT	F5X8H4	CYT	peg.1574	IM TM	peg.1440	PERI	peg.847	CYT	peg.2043	IM TM
B2RKGo	OM LP	F5HE64	PorSS	F5X8F6	CYT	peg.54	CYT	peg.1033	CYT	peg.640	CYT	peg.110	IM TM
B2RJL9	PERI	Q7MTT5	CYT	F5XD09	CYT	peg.1615	CYT	peg.1477	CYT	peg.1478	CYT	peg.1560	IM TM
B2RL92	CYT	Q7MWR9	CYT	F5XA63	IM TM	peg.451	CYT	peg.628	unknown	peg.1969	CYT	peg.356	IM TM
B2RLB1	CYT	Q7MUT9	IM TM	F5X9K4	CYT	peg.1294	CYT	peg.732	ECP	peg.870	IM TM	peg.1267	PERI
B2RIK1	IM TM	Q7MWD1	CYT	F5XC71	CYT	peg.472	CYT	peg.646	CYT	peg.861	IM TM	peg.79	CYT
B2RK82	IM TM	F5HI17	IM TM	F5XBJ6	CYT	peg.1695	CYT	peg.551	CYT	peg.254	CYT	peg.1314	OM
B2RKY2	CYT	Q7MWU0	CYT	F5X9G9	CYT	peg.1238	CYT	peg.1752	CYT	peg.740	IM TM	peg.1732	CYT
B2RKX1	CYT	Q7MWG2	ECP	F5XBS9	IM TM	peg.831	CYT	peg.1826	ECP	peg.1479	ECP	peg.1767	CYT
B2RHS1	CYT	Q7MUy8	IM TM	F5XB16	IM TM	peg.1757	CYT	peg.1305	CYT	peg.1300	IM TM	peg.1054	CYT
B2RIF4	CYT	Q7MWS1	IM TM	F5XCS4	CYT	peg.1247	IM TM	peg.1766	CYT	peg.635	CYT	peg.1699	CYT
B2RKA1	ECP	Q7MT99	CYT	F5XCB1	OM LP	peg.1767	CYT	peg.1727	CYT	peg.679	CYT	peg.1847	CYT
B2RMJ2	CYT	Q7MVK8	CYT	F5XCP9	CYT	peg.523	PERI	peg.1944	CYT	peg.1310	CYT	peg.1160	CYT
B2RHS4	OM	Q7MTK6	PERI	F5XA70	CYT	peg.565	IM TM	peg.518	OM LP	peg.1528	CYT	peg.1635	IM TM
B2RHC0	IM TM	Q7MTQ9	CYT	F5X8G1	PERI	peg.155	CYT	peg.1486	CYT	peg.725	ECP	peg.105	CYT
B2RL40	CYT	Q7MV18	CYT	F5X710	ECP	peg.1630	CYT	peg.761	CYT	peg.985	IM LP	peg.373	IM TM
B2RI08	CYT	Q7MW68	CYT	F5X7W7	CYT	peg.2024	CYT	peg.878	CYT	peg.512	CYT	peg.601	CYT
B2RKP8	CYT	Q7MV17	CYT	F5XCZ6	CYT	peg.34	CYT	peg.573	CYT	peg.1396	CYT	peg.1527	CYT
B2RHQ9	CYT	Q7MXy6	IM TM	F5X7C5	CYT	peg.1579	CYT	peg.1170	IM TM	peg.323	ECP	peg.2143	CYT
B2RKC9	CYT	Q7MXD4	CYT	F5XAB1	CYT	peg.1088	ECP	peg.820	CYT	peg.698	CYT	peg.1011	CYT
B2RLD0	ECP	Q7MTC5	CYT	F5X859	CYT	peg.785	OM LP	peg.407	IM LP	peg.688	CYT	peg.1292	ECP
B2RLJ2	CYT	Q7MUN0	IM TM	F5X9E4	IM TM	peg.349	IM TM	peg.1331	CYT	peg.1046	IM TM	peg.419	CYT
B2RK23	ECP	Q7MX61	ECP	F5XB74	CYT	peg.1166	CYT	peg.1753	CYT	peg.1644	IM TM	peg.1189	CYT
B2RM74	CYT	Q7MVJ5	CYT	F5XBJ9	CYT	peg.1845	CYT	peg.934	IM TM	peg.1689	CYT	peg.1659	CYT
B2RIH9	PERI	Q7MWC2	IM LP	F5X8D8	CYT	peg.1	PERI	peg.503	CYT	peg.1576	PERI	peg.1986	OM LP
B2RIK7	OM	Q7MWY7	CYT	F5X7P4	unknown	peg.1927	CYT	peg.498	CYT	peg.335	CYT	peg.965	CYT
B2RMB8	PERI	Q7MUT4	ECP	F5X891	CYT	peg.722	CYT	peg.121	IM TM	peg.1602	IM TM	peg.45	CYT
B2RHH8	CYT	F5H9B8	OM	F5XBM6	CYT	peg.1778	CYT	peg.1404	ECP	peg.1616	PERI	peg.811	PERI
B2RJQ0	CYT	Q7MWX2	CYT	F5XCM5	CYT	peg.232	CYT	peg.254	PERI	peg.350	CYT	peg.1759	IM TM
B2RL68	CYT	Q7MTX6	IM	F5XAS5	IM TM	peg.383	IM TM	peg.2019	CYT	peg.736	CYT	peg.1166	CYT
B2RJ47	PERI	Q7MVZ0	ECP	F5XB94	IM TM	peg.1222	CYT	peg.1780	CYT	peg.361	CYT	peg.1826	CYT
B2RMA2	CYT	Q7MWC4	CYT	F5X9V4	ECP	peg.872	CYT	peg.1986	CYT	peg.296	CYT	peg.495	OM
B2RHV3	CYT	Q7MT70	CYT	F5X9V8	CYT	peg.464	CYT	peg.1997	CYT	peg.1122	OM LP	peg.14	CYT
B2RGP5	CYT	Q7MV79	CYT	F5XBC4	CYT	peg.725	IM TM	peg.1707	CYT	peg.2074	CYT	peg.762	PERI
B2RJE8	CYT	Q7MTD9	CYT	F5XCL3	CYT	peg.1668	CYT	peg.277	CYT	peg.1	CYT	peg.1571	CYT
B2RK49	CYT	Q7MUR7	CYT	F5XD70	CYT	peg.999	CYT	peg.1775	PorSS	peg.1686	PERI	peg.1379	CYT
B2RJW5	CYT	Q7MV68	unknown	F5X862	CYT	peg.1049	ECP	peg.244	IM TM	peg.1769	OM	peg.1605	CYT
B2RK74	ECP	Q7MVD2	IM TM	F5X8W4	CYT	peg.1934	CYT	peg.1628	CYT	peg.317	IM TM	peg.292	CYT
B2RMJ8	CYT	Q7MXW9	CYT	F5XC38	IM TM	peg.1764	CYT	peg.1147	CYT	peg.243	CYT	peg.1789	CYT
B2RLM2	IM TM	Q7MUX0	CYT	F5XDB1	ECP	peg.2078	CYT	peg.1682	CYT	peg.1743	PERI	peg.1480	CYT
B2RHD6	IM TM	Q7MXJ3	OM	F5XAP6	CYT	peg.93	CYT	peg.2025	PERI	peg.1975	CYT	peg.580	OM LP

B2RHN7	CYT	Q7MUQ0	CYT	F5X7N8	CYT	peg.1243	CYT	peg.481	PERI	peg.773	CYT	peg.115	CYT
B2RGU7	CYT	Q7MVX3	IM TM	F5XAK4	IM TM	peg.827	CYT	peg.1557	CYT	peg.477	IM TM	peg.539	CYT
B2RLV9	CYT	Q7MX62	PERI	F5XBX5	PERI	peg.447	CYT	peg.479	IM TM	peg.1151	CYT	peg.1701	CYT
B2RJD4	CYT	Q7MUD7	IM TM	F5XCH2	CYT	peg.70	CYT	peg.783	IM TM	peg.2153	CYT	peg.335	ECP
B2RJE7	OM LP	Q7MTB6	CYT	F5X8V2	CYT	peg.1520	CYT	peg.996	CYT	peg.230	CYT	peg.1619	CYT
B2RJF1	CYT	Q7MXM2	CYT	F5XD60	CYT	peg.166	CYT	peg.708	ECP	peg.309	CYT	peg.1882	CYT
B2RI61	CYT	Q7MX69	IM TM	F5XCN8	CYT	peg.797	CYT	peg.38	IM LP	peg.1158	IM TM	peg.1356	IM TM
B2RHS0	CYT	Q7MU98	IM TM	F5XA82	CYT	peg.1803	IM TM	peg.2065	CYT	peg.1870	CYT	peg.1596	CYT
B2RMI2	CYT	Q7MU61	CYT	F5XCL4	CYT	peg.415	CYT	peg.288	CYT	peg.864	ECP	peg.908	IM TM
B2RM90	IM TM	Q7MUQ5	IM TM	F5XDo2	CYT	peg.798	CYT	peg.1657	IM TM	peg.1596	CYT	peg.694	IM TM
B2RI02	ECP	Q7MWP2	CYT	F5X921	IM TM	peg.347	IM TM	peg.1398	CYT	peg.2133	CYT	peg.1528	CYT
B2RKX5	CYT	Q7MVN0	CYT	F5XBJo	CYT	peg.1906	CYT	peg.1626	CYT	peg.1225	CYT	peg.1036	IM TM
B2RHK5	CYT	Q7MXV4	ECP	F5X8N3	IM TM	peg.205	IM TM	peg.1261	CYT	peg.1672	CYT	peg.1788	PERI
B2RGQ7	CYT	Q7MVB7	CYT	F5XAU2	CYT	peg.1561	IM TM	peg.404	CYT	peg.1320	CYT	peg.1645	CYT
B2RLT5	PERI	Q7MVB1	IM TM	F5XCR2	CYT	peg.74	IM TM	peg.589	PERI	peg.811	CYT	peg.497	CYT
B2RHZ8	CYT	Q7MWX8	IM TM	F5X7Fo	CYT	peg.933	CYT	peg.1899	IM TM	peg.710	CYT	peg.2017	IM TM
B2RKL9	CYT	Q7MT23	PERI	F5XBH6	CYT	peg.1936	CYT	peg.1384	CYT	peg.1708	ECP	peg.264	CYT
B2RLF7	IM TM	Q7MX54	IM TM	F5X905	CYT	peg.1362	CYT	peg.1397	CYT	peg.1920	CYT	peg.1198	CYT
B2RMI3	CYT	Q7MXy9	IM TM	F5X830	CYT	peg.129	CYT	peg.193	OM	peg.1843	OM	peg.1172	CYT
B2RJ82	CYT	Q7MVC5	ECP	F5X9Y4	CYT	peg.1060	CYT	peg.1584	CYT	peg.1916	CYT	peg.610	CYT
B2RI63	CYT	Q7MWU1	CYT	F5XBD9	CYT	peg.1663	CYT	peg.303	PERI	peg.989	CYT	peg.1334	CYT
B2RM54	CYT	Q7MX98	IM TM	F5X9C7	IM TM	peg.1837	IM TM	peg.214	IM TM	peg.460	CYT	peg.1793	CYT
B2RKZ7	OM LP	Q7MUL4	ECP	F5X9A2	CYT	peg.1190	CYT	peg.304	PorSS	peg.1133	CYT	peg.2001	ECP
B2RKI2	CYT	Q7MUE8	CYT	F5XBC6	PorSS	peg.676	CYT	peg.1286	CYT	peg.1762	CYT	peg.554	IM TM
B2RLC9	IM TM	Q7MVQ0	ECP	F5X8L5	IM TM	peg.1250	CYT	peg.1475	PorSS	peg.1594	ECP	peg.1513	CYT
B2RHR6	CYT	Q7MVR4	CYT	F5XCT3	CYT	peg.41	ECP	peg.1386	CYT	peg.1650	CYT	peg.1772	CYT
B2RJM7	CYT	Q7MXG9	IM TM	F5XCB5	PERI	peg.868	PERI	peg.295	CYT	peg.612	CYT	peg.1227	CYT
B2RLC0	CYT	Q7MV29	CYT	F5XD12	CYT	peg.374	IM TM	peg.1053	CYT	peg.344	OM	peg.1187	IM TM
B2RLN6	IM	Q7MTW5	CYT	F5XBG5	CYT	peg.2056	CYT	peg.898	CYT	peg.1427	CYT	peg.787	CYT
B2RLF8	CYT	F5HAH6	OM LP	F5XAW6	ECP	peg.702	CYT	peg.1103	IM LP	peg.15	CYT	peg.1925	CYT
B2RJB6	PERI	Q7MTF3	CYT	F5X8J9	OM	peg.985	CYT	peg.90	CYT	peg.1354	CYT	peg.160	CYT
B2RMA3	CYT	Q7MXI8	CYT	F5XAR1	ECP	peg.556	CYT	peg.1116	CYT	peg.2137	CYT	peg.1613	CYT
B2RHL0	OM	Q7MUH7	IM TM	F5XBU2	CYT	peg.196	CYT	peg.1449	CYT	peg.175	CYT	peg.1776	CYT
B2RI58	CYT	Q7MXF2	CYT	F5XCP7	CYT	peg.518	CYT	peg.615	IM TM	peg.82	OM	peg.191	CYT
B2RJX9	CYT	Q7MTY0	CYT	F5XBZ1	CYT	peg.1072	CYT	peg.1075	IM TM	peg.1803	CYT	peg.737	CYT
B2RH40	ECP	Q7MVM6	CYT	F5X922	CYT	peg.63	OM LP	peg.1128	CYT	peg.726	CYT	peg.1303	CYT
B2RKI7	CYT	Q7MU62	CYT	F5XAF7	CYT	peg.986	CYT	peg.831	OM LP	peg.1284	OM	peg.122	OM LP
B2RJo2	CYT	Q7MVS8	CYT	F5X9P2	CYT	peg.1312	PERI	peg.634	CYT	peg.991	OM LP	peg.154	CYT
B2RHY7	OM LP	Q7MXD7	CYT	F5XCI9	CYT	peg.1399	CYT	peg.1598	CYT	peg.585	CYT	peg.514	IM TM
B2RHP9	CYT	Q7MW64	IM TM	F5XBQ2	CYT	peg.1913	CYT	peg.566	CYT	peg.1448	IM TM	peg.899	CYT
B2RJY7	CYT	Q7MUV3	ECP	G1UBT7	CYT	peg.431	CYT	peg.1013	CYT	peg.34	CYT	peg.1804	CYT
B2RKI0	CYT	Q7MX75	ECP	F5XAP3	CYT	peg.694	ECP	peg.1025	IM TM	peg.921	CYT	peg.764	IM TM
B2RJT8	CYT	Q7MVE8	IM TM	F5X7R3	CYT	peg.84	IM TM	peg.1240	PERI	peg.606	CYT	peg.530	ECP

B2RLR3	CYT	Q7MU33	CYT	F5XAX7	CYT	peg.161	PorSS	peg.507	CYT	peg.1491	CYT	peg.2106	IM TM
B2RK94	CYT	Q7MTI0	ECP	F5X7A5	CYT	peg.1634	IM TM	peg.1425	CYT	peg.339	CYT	peg.207	CYT
B2RIG8	CYT	Q7MU54	IM TM	F5X7Q2	PERI	peg.1640	CYT	peg.1955	OM LP	peg.1664	CYT	peg.1175	CYT
B2RI37	IM TM	Q7MTY9	PERI	F5XC18	OM LP	peg.845	CYT	peg.596	CYT	peg.1080	OM LP	peg.633	IM TM
B2RIE2	CYT	Q7MWP3	IM TM	F5XA1i	CYT	peg.479	CYT	peg.1970	IM TM	peg.953	CYT	peg.466	CYT
B2RHP3	ECP	Q7MUI8	CYT	F5XD28	CYT	peg.318	CYT	peg.421	CYT	peg.1701	CYT	peg.1736	CYT
B2RHM6	CYT	Q7MT77	CYT	F5X9A3	CYT	peg.761	ECP	peg.1784	IM TM	peg.824	IM TM	peg.91	CYT
B2RHC3	IM TM	Q7MUV2	CYT	F5XAY8	OM LP	peg.434	CYT	peg.1069	CYT	peg.1983	CYT	peg.1833	IM TM
B2RK88	IM TM	Q7MXL2	CYT	F5XBF9	CYT	peg.263	ECP	peg.19	IM LP	peg.1906	CYT	peg.1249	CYT
B2RJB4	CYT	Q7MWP8	CYT	F5X9H9	IM TM	peg.1651	PorSS	peg.1791	CYT	peg.1935	IM TM	peg.563	CYT
B2RIH5	CYT	Q7MVJ2	CYT	F5XC07	IM TM	peg.1042	CYT	peg.1574	ECP	peg.224	CYT	peg.1719	CYT
B2RL17	OM LP	Q7MUV4	CYT	F5XDB5	CYT	peg.1267	IM TM	peg.2041	PorSS	peg.1003	CYT	peg.175	CYT
B2RJ62	CYT	Q7MT51	CYT	F5XA66	IM TM	peg.1337	ECP	peg.922	CYT	peg.368	CYT	peg.382	CYT
B2RJ60	IM TM	Q7MUP9	CYT	F5X7Y2	ECP	peg.1737	CYT	peg.844	IM TM	peg.1849	PERI	peg.1126	CYT
B2RIA3	IM TM	Q7MXB6	IM TM	F5X7B5	CYT	peg.1620	CYT	peg.371	CYT	peg.603	CYT	peg.1681	CYT
B2RK37	CYT	Q7MXI3	CYT	F5XA22	CYT	peg.1391	CYT	peg.428	ECP	peg.1161	PERI	peg.929	CYT
B2RLE8	IM	Q7MTW4	IM TM	F5XA38	CYT	peg.652	CYT	peg.1177	ECP	peg.2157	ECP	peg.626	CYT
B2RJ00	CYT	Q7MVW7	CYT	F5XA18	CYT	peg.217	OM LP	peg.1873	CYT	peg.1533	IM TM	peg.1404	IM TM
B2RMB5	CYT	Q7MUT8	IM TM	F5X895	CYT	peg.291	CYT	peg.1100	CYT	peg.1470	CYT	peg.1388	PERI
B2RJA6	CYT	Q7MUK7	CYT	F5X816	CYT	peg.1702	CYT	peg.67	CYT	peg.1775	CYT	peg.870	CYT
B2RIQ6	PERI	Q7MWL0	IM TM	G1UBV3	CYT	peg.378	CYT	peg.1225	IM TM	peg.8	IM TM	peg.1424	CYT
B2RJB7	IM TM	Q7MVC3	CYT	F5XAZ9	CYT	peg.1320	PERI	peg.793	PERI	peg.428	PERI	peg.1650	CYT
B2RIY1	CYT	Q7MWZ4	IM TM	F5XDK3	CYT	peg.573	IM TM	peg.2058	CYT	peg.1945	CYT	peg.2138	IM TM
B2RK70	CYT	Q7MTV5	CYT	F5XBG8	IM TM	peg.1263	CYT	peg.197	unknown	peg.125	CYT	peg.35	CYT
B2RIY9	CYT	Q7MUI4	CYT	F5X916	CYT	peg.1420	PERI	peg.1209	PorSS	peg.1648	PERI	peg.1407	IM TM
B2RGW4	CYT	Q7MT96	IM TM	F5X8U6	CYT	peg.578	CYT	peg.892	CYT	peg.1544	OM LP	peg.1144	IM TM
B2RL47	CYT	Q7MW83	IM TM	F5X9No	CYT	peg.101	CYT	peg.1569	OM LP	peg.651	CYT	peg.809	CYT
B2RL10	OM LP	Q7MWR2	CYT	F5X8C6	IM TM	peg.132	CYT	peg.652	IM TM	peg.270	CYT	peg.359	CYT
B2RIY2	CYT	Q7MTG4	ECP	F5X8N8	CYT	peg.1500	IM TM	peg.354	IM TM	peg.1546	PERI	peg.1671	CYT
B2RHW7	CYT	Q7MUZ7	CYT	F5XAX2	CYT	peg.1692	IM TM	peg.334	CYT	peg.2025	CYT	peg.477	CYT
B2RL08	PERI	Q7MXS3	CYT	F5XDD8	ECP	peg.1817	CYT	peg.362	IM TM	peg.1930	CYT	peg.145	CYT
B2RKS9	CYT	Q7MV01	IM TM	F5XC27	CYT	peg.1592	CYT	peg.929	CYT	peg.262	IM TM	peg.814	CYT
B2RGN1	CYT	Q7MVA4	CYT	F5XCc9	CYT	peg.1684	CYT	peg.699	IM TM	peg.1342	IM TM	peg.1760	CYT
B2RGY8	CYT	Q7MT95	PERI	F5XAZ4	CYT	peg.495	PERI	peg.480	PERI	peg.1561	CYT	peg.1891	CYT
B2RI44	CYT	Q7MUV8	CYT	F5X806	CYT	peg.636	IM TM	peg.1593	CYT	peg.1958	IM TM	peg.1980	CYT
B2RHR0	CYT	Q7MW92	CYT	F5XB79	CYT	peg.1148	CYT	peg.1990	IM TM	peg.1062	IM TM	peg.569	IM TM
B2RJW4	CYT	Q7MU99	PERI	F5X8Y3	IM TM	peg.338	CYT	peg.1316	CYT	peg.1558	CYT	peg.1864	CYT
B2RK75	CYT	Q7MXU5	CYT	F5X8S4	CYT	peg.289	CYT	peg.1126	CYT	peg.976	ECP	peg.398	CYT
B2RK79	CYT	Q7MUL2	CYT	F5X8P6	CYT	peg.1979	IM TM	peg.1843	CYT	peg.1677	CYT	peg.1192	IM TM
B2RGQ3	ECP	Q7MXD6	CYT	F5X984	IM TM	peg.1108	IM TM	peg.1885	CYT	peg.132	CYT	peg.934	ECP
B2RM71	CYT	Q7MT21	IM TM	F5XC06	CYT	peg.141	CYT	peg.1818	CYT	peg.1773	CYT	peg.577	CYT
B2RKV6	CYT	Q7MX49	CYT	F5XA20	ECP	peg.88	IM TM	peg.609	PERI	peg.1525	CYT	peg.619	ECP
B2RIR3	CYT	Q7MWR8	CYT	F5XDC3	CYT	peg.732	PERI	peg.217	CYT	peg.879	CYT	peg.1467	IM LP

B2RJFo	CYT	Q7MWC7	CYT	F5XA76	CYT	peg.1417	PERI	peg.694	PERI	peg.64	IM TM	peg.67	CYT
B2RJX2	CYT	Q7MXN2	unknown	F5XC01	CYT	peg.1876	CYT	peg.1375	CYT	peg.2013	CYT	peg.304	OM
B2RI88	ECP	Q7MUG9	OM	F5XD05	IM TM	peg.2016	CYT	peg.2044	ECP	peg.1309	PERI	peg.599	CYT
B2RIK2	CYT	Q7MVC7	CYT	F5XAJo	CYT	peg.497	OM LP	peg.166	OM LP	peg.1880	CYT	peg.243	CYT
B2RGT4	IM TM	Q7MWN5	CYT	F5XA42	IM TM	peg.1121	OM	peg.1052	CYT	peg.848	ECP	peg.902	IM TM
B2RIZ9	ECP	Q7MWF8	CYT	F5XCU8	CYT	peg.14	IM TM	peg.1363	CYT	peg.646	PERI	peg.1587	IM TM
B2RKK4	CYT	Q7MUN8	CYT	F5XAM3	CYT	peg.271	OM LP	peg.287	CYT	peg.471	IM TM	peg.868	ECP
B2RL35	CYT	Q7MXT2	CYT	F5XBF8	CYT	peg.1514	IM	peg.1795	ECP	peg.138	CYT	peg.325	CYT
B2RJI1	IM LP	Q7MWU5	CYT	F5XCE3	IM TM	peg.1306	CYT	peg.693	CYT	peg.1218	CYT	peg.954	CYT
B2RMG6	CYT	Q7MTK5	IM TM	F5X9Zo	IM TM	peg.539	CYT	peg.1525	CYT	peg.881	CYT	peg.1689	CYT
B2RJR7	PERI	Q7MTH2	CYT	F5XBN4	CYT	peg.47	CYT	peg.899	IM TM	peg.1435	CYT	peg.2114	CYT
B2RI70	CYT	Q7MX65	CYT	F5X7D7	CYT	peg.1791	CYT	peg.1879	CYT	peg.563	PERI	peg.1289	CYT
B2RKU3	PERI	Q7MTD5	CYT	F5X8E0	ECP	peg.2091	CYT	peg.1761	CYT	peg.1531	IM TM	peg.1943	CYT
B2RH10	IM TM	Q7MU68	CYT	F5X7H5	IM	peg.1780	CYT	peg.711	CYT	peg.1102	CYT	peg.167	CYT
B2RIS9	CYT	Q7MV81	CYT	F5XAT7	CYT	peg.938	CYT	peg.1417	CYT	peg.717	CYT	peg.256	IM TM
B2RJ27	ECP	Q7MUS8	CYT	F5X9Jo	CYT	peg.1381	CYT	peg.559	CYT	peg.2037	CYT	peg.1506	OM
B2RLRo	CYT	Q7MW21	CYT	F5XCQ7	IM TM	peg.1377	CYT	peg.1072	PERI	peg.1274	CYT	peg.489	CYT
B2RGX3	PERI	Q7MTJo	IM TM	F5X879	IM TM	peg.361	IM TM	peg.1605	CYT	peg.451	PERI	peg.2016	CYT
B2RMA0	PERI	Q7MWT1	CYT	F5XA30	CYT	peg.1511	CYT	peg.114	CYT	peg.388	CYT	peg.1068	CYT
B2RMC2	CYT	Q7MVN8	CYT	F5X7X0	CYT	peg.1828	CYT	peg.1513	ECP	peg.1484	ECP	peg.1950	CYT
B2RGY9	IM TM	Q7MV11	CYT	F5XB95	IM TM	peg.1787	CYT	peg.633	CYT	peg.1628	PERI	peg.452	CYT
B2RI45	IM TM			F5XCA6	ECP	peg.1751	OM LP	peg.1696	CYT	peg.1788	IM TM	peg.1106	CYT
B2RKM7	CYT			F5X7L8	CYT	peg.339	CYT	peg.1322	CYT	peg.785	CYT	peg.1003	CYT
B2RJE0	CYT			F5X902	ECP	peg.1995	ECP	peg.1190	CYT	peg.84	CYT	peg.348	PERI
B2RH02	OM			F5X8Z3	CYT	peg.252	CYT	peg.809	IM	peg.119	CYT	peg.1433	CYT
B2RH78	PERI			F5XDF6	CYT	peg.877	IM TM	peg.51	CYT	peg.2104	CYT	peg.1987	CYT
B2RMK1	CYT			F5XCA7	PERI	peg.448	IM TM	peg.1361	CYT	peg.293	CYT	peg.672	IM TM
B2RL02	CYT			F5XA21	CYT	peg.59	IM TM	peg.1713	CYT	peg.762	CYT	peg.1490	IM TM
B2RIU7	CYT			F5X7K3	CYT	peg.120	IM TM	peg.1987	CYT	peg.1097	CYT	peg.52	ECP
B2RLQ0	CYT			F5X9K6	CYT	peg.1981	CYT	peg.324	IM TM	peg.1783	CYT	peg.2131	CYT
B2RL79	IM TM			F5XDE2	IM TM	peg.671	CYT	peg.1141	CYT	peg.1047	CYT	peg.1078	PERI
B2RIH2	CYT			F5X8I3	CYT	peg.1427	CYT	peg.1309	PERI	peg.200	CYT	peg.1636	CYT
B2RIN0	OM LP			F5XC90	CYT	peg.104	CYT	peg.1541	CYT	peg.730	CYT	peg.911	CYT
B2RKS2	CYT			F5X818	CYT	peg.267	CYT	peg.1802	CYT	peg.1095	IM TM	peg.508	CYT
B2RIC5	CYT			F5X7M7	CYT	peg.1472	IM TM	peg.588	CYT	peg.1050	PERI	peg.235	CYT
B2RL88	CYT			F5X9B3	CYT	peg.1662	CYT	peg.994	CYT	peg.484	CYT	peg.1427	CYT
B2RLB6	PERI			F5X9Wo	CYT	peg.2046	PERI	peg.108	CYT	peg.1179	IM LP	peg.851	OM
B2RHI9	CYT			F5X823	CYT	peg.1968	CYT	peg.241	CYT	peg.1443	ECP	peg.524	ECP
B2RI14	IM TM			F5XCF2	CYT	peg.1065	ECP	peg.491	CYT	peg.1957	IM TM	peg.2024	IM TM
B2RKY6	IM TM			F5X8R6	IM TM	peg.2071	CYT	peg.1106	CYT	peg.979	CYT	peg.1115	IM TM
B2RHD5	CYT			F5XCQ1	CYT	peg.2069	CYT	peg.620	CYT	peg.895	CYT	peg.341	CYT
B2RJZ0	CYT			F5XA91	CYT	peg.2062	OM LP	peg.476	PERI	peg.1736	CYT	peg.1297	CYT

B2RIX4	CYT	F5XCC3	CYT	peg.154	CYT	peg.55	CYT	peg.121	CYT	peg.458	IM TM
B2RK41	CYT	F5XBY5	ECP	peg.1600	IM TM	peg.617	IM TM	peg.213	IM TM	peg.1965	CYT
B2RJZ8	CYT	F5XAS3	CYT	peg.906	CYT	peg.729	PERI	peg.228	OM	peg.966	CYT
B2RHG0	IM TM	F5X9C4	CYT	peg.112	CYT	peg.83	CYT	peg.1816	CYT	peg.1470	CYT
B2RLH0	CYT	F5X8M6	CYT	peg.405	IM TM	peg.1188	CYT	peg.1430	CYT	peg.1101	CYT
B2RHG8	OM LP	F5X8U4	CYT	peg.507	CYT	peg.1734	OM	peg.902	CYT	peg.211	CYT
B2RJY3	PERI	F5XA06	CYT	peg.755	ECP	peg.1189	OM LP	peg.196	CYT	peg.1554	CYT
B2RIV4	CYT	F5XC35	CYT	peg.844	CYT	peg.772	IM TM	peg.1103	CYT	peg.287	CYT
B2RML3	OM	F5XA35	CYT	peg.314	IM TM	peg.1277	CYT	peg.1827	CYT	peg.779	CYT
B2RGZ1	IM TM	F5XBX1	CYT	peg.1316	IM TM	peg.141	CYT	peg.496	CYT	peg.1942	CYT
B2RIF7	IM TM	F5XC51	ECP	peg.1390	IM TM	peg.1129	IM TM	peg.250	OM LP	peg.352	CYT
B2RH33	CYT	F5X9T7	IM TM	peg.922	PERI	peg.312	PERI	peg.2110	CYT	peg.1747	CYT
B2RJ43	IM TM	F5XB72	IM TM	peg.1354	PorSS	peg.514	CYT	peg.172	CYT	peg.799	CYT
B2RLG8	PERI	F5X7J5	CYT	peg.437	CYT	peg.1162	CYT	peg.102	ECP	peg.34	CYT
B2RKQ9	CYT	F5XBR5	CYT	peg.2	PorSS	peg.145	CYT	peg.103	CYT	peg.101	CYT
B2RII4	CYT	F5X8L2	CYT	peg.1313	IM TM	peg.1081	CYT	peg.464	CYT	peg.432	CYT
B2RKL1	IM TM	F5X9F2	CYT	peg.1820	CYT	peg.940	CYT	peg.1298	CYT	peg.231	CYT
B2RKP0	PorSS	F5XB55	CYT	peg.647	CYT	peg.433	OM	peg.972	CYT	peg.1127	IM TM
B2RGZ9	CYT	F5XAE4	CYT	peg.298	CYT	peg.236	CYT	peg.157	CYT	peg.1320	CYT
B2RLP4	ECP	F5X9S7	CYT	peg.1394	CYT	peg.1263	IM TM	peg.257	CYT	peg.2139	CYT
B2RLV4	OM	F5X8T3	IM TM	peg.576	CYT	peg.209	IM TM	peg.1923	CYT	peg.2083	CYT
B2RGZ3	PERI	F5X967	IM TM	peg.1458	PERI	peg.1904	PERI	peg.383	CYT	peg.1007	CYT
B2RLJ2	CYT	F5XAG9	CYT	peg.601	CYT	peg.979	CYT	peg.572	CYT	peg.1217	CYT
B2RJ29	CYT	F5XB56	CYT	peg.262	CYT	peg.1613	CYT	peg.1833	CYT	peg.759	IM TM
B2RLA3	IM TM	F5XCM4	CYT	peg.1130	PERI	peg.367	ECP	peg.1572	CYT	peg.996	PERI
B2RLS3	CYT	F5X8F8	PorSS	peg.1946	CYT	peg.810	CYT	peg.522	CYT	peg.1340	PERI
B2RHJ4	IM TM	F5XBT7	CYT	peg.307	CYT	peg.2054	CYT	peg.1110	IM TM	peg.623	CYT
B2RJI8	CYT	F5X8A8	IM TM	peg.359	CYT	peg.1031	CYT	peg.1718	CYT	peg.1047	IM TM
B2RJH3	CYT	F5XAL4	IM TM	peg.87	PERI	peg.1252	CYT	peg.958	CYT	peg.1466	PERI
B2RL33	ECP	F5XAM9	CYT	peg.627	IM TM	peg.605	CYT	peg.374	ECP	peg.1931	CYT
B2RML4	PERI	F5XC88	CYT	peg.1893	CYT	peg.627	OM LP	peg.1757	OM	peg.680	CYT
B2RJD1	IM TM	F5X9V6	IM TM	peg.1568	CYT	peg.255	CYT	peg.1321	CYT	peg.416	CYT
B2RGY7	ECP	F5X808	ECP	peg.1637	PERI	peg.1941	CYT	peg.1961	IM TM	peg.785	IM TM
B2RH48	CYT	F5XCN6	ECP	peg.1707	CYT	peg.1616	CYT	peg.1267	CYT	peg.2128	ECP
B2RKF1	CYT	F5X9V5	CYT	peg.740	CYT	peg.403	CYT	peg.1330	CYT	peg.936	PERI
B2RMD5	OM	F5X7L3	CYT	peg.488	PERI	peg.1725	CYT	peg.189	CYT	peg.83	OM LP
B2RM67	CYT	F5X9R3	IM TM	peg.739	CYT	peg.759	CYT	peg.1563	CYT	peg.1182	ECP
B2RLX2	IM TM	F5X7K1	PERI	peg.1696	CYT	peg.766	CYT	peg.385	OM LP	peg.1093	IM TM
B2RLU5	IM TM	F5X8D3	CYT	peg.1657	ECP	peg.786	CYT	peg.394	CYT	peg.377	IM TM
B2RM61	CYT	F5XD10	CYT	peg.299	CYT	peg.1006	ECP	peg.916	IM TM	peg.403	IM TM
B2RIP8	CYT	F5XAD0	CYT	peg.1958	CYT	peg.132	CYT	peg.556	IM TM	peg.1483	IM TM
B2RKG4	CYT	F5X9S9	CYT	peg.1408	IM TM	peg.1349	CYT	peg.1206	OM	peg.1550	OM
B2RLC4	IM TM	F5X8Y7	CYT	peg.788	CYT	peg.34	IM TM	peg.529	CYT	peg.2119	CYT



B2RM01	OM LP	F5XA36	CYT	peg.682	IM TM	peg.1405	CYT	peg.237	CYT	peg.1534	PERI
B2RMF6	CYT	F5X8S8	CYT	peg.222	CYT	peg.957	OM LP	peg.767	IM TM	peg.1663	CYT
B2RM03	CYT	F5X7G3	CYT	peg.1169	CYT	peg.752	CYT	peg.1947	OM	peg.953	unknown
B2RIK5	CYT	F5X7Lo	CYT	peg.1114	CYT	peg.97	CYT	peg.755	CYT	peg.1518	OM LP
B2RI57	CYT	F5XAP5	IM TM	peg.585	CYT	peg.2018	CYT	peg.1515	CYT	peg.1306	CYT
B2RHA3	ECP	F5X7G9	CYT	peg.1340	CYT	peg.1966	CYT	peg.1499	IM TM	peg.589	CYT
B2RIN8	CYT	F5X8X5	CYT	peg.424	CYT	peg.733	CYT	peg.398	CYT	peg.748	CYT
B2RJJ4	CYT	F5XCU2	CYT	peg.322	CYT IM TM	peg.1589	CYT	peg.910	OM LP	peg.1714	CYT
B2RHM1	CYT	F5XB66	CYT	peg.1093	IM TM	peg.1910	IM TM	peg.1675	PERI	peg.1874	IM TM
B2RM19	CYT	F5X8P8	ECP	peg.27	OM IM TM	peg.173	ECP	peg.675	CYT	peg.1938	CYT
B2RIB9	IM TM	F5XC30	CYT	peg.1387	IM TM	peg.1821	CYT	peg.815	IM TM	peg.1221	CYT
B2RKJ9	CYT	F5XA37	CYT	peg.1677	CYT	peg.115	IM TM	peg.179	IM TM	peg.1024	IM LP
B2RK69	CYT	F5X9W8	CYT	peg.1699	CYT	peg.431	OM LP	peg.1385	CYT	peg.604	CYT
B2RHT7	CYT	F5XDJ9	CYT	peg.1033	CYT	peg.1228	CYT	peg.1304	IM TM	peg.768	IM TM
B2RLN7	CYT	F5X8V4	CYT	peg.1226	PERI IM LP	peg.447	IM TM	peg.2117	CYT	peg.1830	CYT
B2RJU8	IM TM	F5XCC2	IM TM	peg.1010	IM LP	peg.949	CYT	peg.2095	CYT	peg.114	CYT
B2RIG1	PERI	F5XBR4	IM TM	peg.695	CYT	peg.1202	IM TM	peg.598	IM TM	peg.1411	CYT
B2RL74	IM TM	F5XAQ1	CYT	peg.138	CYT IM TM	peg.550	CYT	peg.410	PorSS	peg.1784	CYT
B2RKQ8	CYT	F5XBE4	CYT	peg.1091	IM TM	peg.2021	CYT	peg.693	CYT	peg.119	CYT
B2RHA7	CYT	F5X8N2	ECP	peg.1597	OM	peg.592	PorSS	peg.1237	CYT	peg.757	CYT
B2RGU1	IM TM	F5X977	CYT	peg.50	CYT	peg.1993	CYT	peg.545	CYT	peg.507	CYT
B2RJJ3	CYT	F5XD14	OM LP	peg.397	CYT IM TM	peg.683	CYT	peg.1632	CYT	peg.771	CYT
B2RGU6	CYT	F5X8H8	CYT	peg.526	IM TM	peg.1394	CYT	peg.1725	CYT	peg.457	OM
B2RJ84	CYT	F5XC16	CYT	peg.816	CYT	peg.395	IM TM	peg.2061	IM TM	peg.1310	IM TM
B2RM08	IM TM	F5XAG4	CYT	peg.708	ECP	peg.2015	CYT	peg.2049	CYT	peg.657	CYT
B2RKC3	CYT	F5XCL1	CYT	peg.1585	CYT	peg.1182	PERI	peg.1730	CYT	peg.1819	CYT
B2RHN3	CYT	F5X9H6	CYT	peg.419	CYT	peg.502	CYT	peg.1824	CYT	peg.1696	CYT
B2RLR1	CYT	F5X7E7	IM TM	peg.1202	CYT IM TM	peg.1456	CYT	peg.1021	IM TM	peg.2069	CYT
B2RMH5	IM TM	F5XDJ4	IM TM	peg.1382	IM TM LP	peg.720	CYT	peg.31	CYT	peg.1058	ECP
B2RI97	IM TM	F5XBQ1	CYT	peg.1540	IM LP	peg.2061	CYT	peg.949	CYT	peg.2092	CYT
B2RHA0	IM TM	F5XAJ6	CYT	peg.1689	CYT	peg.1342	CYT	peg.530	CYT	peg.1855	CYT
B2RJJ8	CYT	F5XA23	CYT	peg.1869	OM	peg.272	CYT	peg.1439	IM TM	peg.754	CYT
B2RK51	CYT	F5X8Ko	OM	peg.80	PERI	peg.1356	PERI	peg.1722	CYT	peg.1712	CYT
B2RI25	PERI	F5XDF4	PERI	peg.1021	CYT	peg.555	CYT	peg.1299	CYT	peg.1135	IM TM
B2RHT1	CYT	F5XAB6	CYT	peg.568	CYT	peg.424	OM LP	peg.2146	PERI	peg.1286	IM TM
B2RLT9	CYT	F5XCG4	PERI	peg.1046	CYT PorS S	peg.45	CYT	peg.1742	PERI	peg.2101	CYT
B2RKC8	CYT	F5XBU1	CYT	peg.212	IM LP	peg.1807	CYT	peg.1481	CYT	peg.1000	PERI
B2RM12	CYT	F5XAX6	ECP	peg.182	CYT	peg.1154	CYT	peg.485	CYT	peg.1624	CYT
B2RJN7	CYT	F5X994	IM TM	peg.616	CYT	peg.642	CYT	peg.925	CYT	peg.1812	OM LP
B2RIF3	CYT	F5XB49	CYT	peg.1128	CYT	peg.560	IM TM	peg.2147	CYT	peg.1559	IM TM
B2RJ20	CYT	F5X8L8	CYT	peg.1445	CYT IM TM	peg.1895	IM TM	peg.625	CYT	peg.1870	CYT
B2RJQ9	IM TM	F5X7Q5	IM TM	peg.519	IM TM	peg.1380	CYT	peg.1480	CYT	peg.1392	ECP
B2RLZ8	CYT	F5X834	CYT	peg.411	CYT	peg.1195	IM TM	peg.1057	IM TM	peg.1797	CYT

B2RIU3	CYT	F5X7I2	IM TM	peg.603	ECP	peg.1237	CYT	peg.400	CYT	peg.480	OM LP
B2RIA1	CYT	F5XBm9	CYT	peg.7	CYT	peg.1300	CYT	peg.1857	PERI	peg.1446	OM LP
B2RHW1	CYT	F5X8Ro	CYT	peg.1323	OM LP	peg.1435	IM TM	peg.930	IM TM	peg.2093	PorSS
B2RJC0	IM TM	F5XCZ3	CYT	peg.2037	CYT	peg.378	CYT	peg.865	CYT	peg.13	CYT
B2RH91	CYT	F5X7M1	CYT	peg.746	IM TM	peg.937	CYT	peg.1211	CYT	peg.1993	CYT
B2RH90	CYT	F5XC24	IM TM	peg.2009	CYT	peg.526	CYT	peg.1699	CYT	peg.297	CYT
B2RGX8	CYT	F5X7P2	ECP	peg.42	CYT	peg.472	CYT	peg.711	CYT	peg.502	CYT
B2RGX4	CYT	F5X7A9	CYT	peg.1584	PERI	peg.874	IM TM	peg.638	CYT	peg.75	OM LP
B2RJC4	IM TM	F5X7J2	CYT	peg.728	IM TM	peg.1313	PERI	peg.1147	CYT	peg.1966	CYT
B2RH84	CYT	F5X8I9	ECP	peg.974	CYT	peg.895	ECP	peg.1739	CYT	peg.1976	CYT
B2RHY3	CYT	F5XC57	CYT	peg.1200	CYT	peg.1788	CYT	peg.1978	PERI	peg.889	ECP
B2RHJ8	CYT	F5XCQ9	IM TM	peg.1068	CYT	peg.972	CYT	peg.586	CYT	peg.1623	CYT
B2RGTo	OM LP	F5X9I8	CYT	peg.1111	CYT	peg.1928	CYT	peg.1456	CYT	peg.1741	IM TM
B2RGX7	IM TM	F5X9S3	CYT	peg.864	CYT	peg.945	CYT	peg.2016	PERI	peg.1722	PERI
B2RGS1	CYT	F5X7B9	CYT	peg.92	CYT	peg.669	CYT	peg.703	PERI	peg.2051	IM TM
B2RGY2	CYT	F5X9C5	IM TM	peg.330	CYT	peg.1443	CYT	peg.707	CYT	peg.1263	CYT
B2RGS5	CYT	F5X9To	IM TM	peg.1680	CYT	peg.701	IM TM	peg.99	IM TM	peg.1246	CYT
B2RJB8	CYT	F5X965	CYT	peg.257	unknown	peg.1921	IM TM	peg.720	CYT	peg.1755	CYT
B2RH05	CYT	F5X831	CYT	peg.2030	IM TM	peg.835	CYT	peg.1281	CYT	peg.1909	CYT
B2RH89	CYT	G1UBU8	CYT	peg.893	CYT	peg.1668	OM	peg.996	PERI	peg.1902	OM
B2RJC6	OM LP	F5XC39	CYT	peg.1236	IM TM	peg.267	CYT	peg.772	IM TM	peg.149	ECP
B2RGY0	CYT	F5X9S8	CYT	peg.1625	IM TM	peg.1038	CYT	peg.809	PERI	peg.295	CYT
B2RGS6	CYT	F5XC77	CYT	peg.1182	CYT	peg.331	CYT	peg.875	CYT	peg.1582	CYT
B2RJ53	CYT	F5XAE8	CYT	peg.1796	CYT	peg.665	CYT	peg.1711	CYT	peg.142	ECP
B2RKQ7	CYT	F5XA34	CYT	peg.721	CYT	peg.847	PorSS	peg.1705	CYT	peg.1239	IM TM
B2RJC8	CYT	F5XCUC6	IM TM	peg.1196	IM TM	peg.1639	OM	peg.1392	CYT	peg.229	IM TM
B2RGS3	CYT	G1UBV1	CYT	peg.1887	PERI	peg.716	CYT	peg.1702	ECP	peg.1450	PERI
B2RJC2	PERI	F5XB68	IM LP	peg.1084	CYT	peg.158	OM LP	peg.182	CYT	peg.2032	IM TM
B2RGS7	CYT	F5XA56	CYT	peg.1667	CYT	peg.1857	CYT	peg.2006	CYT	peg.282	IM TM
B2RID9	IM TM	F5X937	unknown	peg.502	OM	peg.1768	CYT	peg.1028	IM TM	peg.1228	CYT
B2RGX6	CYT	F5XA8A5	CYT	peg.1903	IM TM	peg.677	IM TM	peg.856	IM TM	peg.421	CYT
B2RGQ1	CYT	F5XA40	IM TM	peg.1507	ECP	peg.544	CYT	peg.7	CYT	peg.935	CYT
B2RIC9	CYT	F5X7X4	CYT	peg.766	CYT	peg.535	CYT	peg.602	CYT	peg.86	CYT
B2RJC3	IM TM	F5X9H5	CYT	peg.2101	CYT	peg.561	CYT	peg.463	PERI	peg.492	IM TM
B2RGT1	CYT	F5XCQ8	IM TM	peg.851	CYT	peg.2034	PERI	peg.997	CYT	peg.2064	OM LP
B2RJB9	CYT	F5XB69	IM TM	peg.689	CYT	peg.1526	CYT	peg.46	PERI	peg.445	CYT
B2RGS0	IM TM	F5XBA5	CYT	peg.632	CYT	peg.1974	PERI	peg.279	CYT	peg.1278	CYT
B2RGS4	CYT	F5XBJ7	CYT	peg.1712	PERI	peg.1693	CYT	peg.1490	CYT	peg.2056	PERI
B2RHW6	CYT	F5XB45	PERI	peg.1162	IM TM	peg.2049	OM	peg.365	CYT	peg.339	CYT
B2RGY1	CYT	F5XAN3	CYT	peg.1030	CYT	peg.1430	CYT	peg.836	IM TM	peg.1593	CYT
B2RJC1	PERI	F5XD22	CYT	peg.1187	CYT	peg.1282	CYT	peg.1770	ECP	peg.1032	CYT
B2RIE0	CYT	F5X897	IM LP	peg.1211	CYT	peg.925	CYT	peg.162	CYT	peg.1349	IM TM
B2RGS8	CYT	F5X8T9	IM TM	peg.1365	CYT	peg.292	CYT	peg.1375	CYT	peg.1928	CYT

B2RJE5	CYT	F5X796	CYT	peg.1990	CYT	peg.1642	CYT	peg.1846	IM TM	peg.449	ECP
B2RGT3	PERI	F5X931	CYT	peg.543	IM TM	peg.184	CYT	peg.1587	IM TM	peg.845	PERI
B2RGS9	PERI	F5X9Y6	CYT	peg.1002	PERI	peg.308	PERI	peg.2001	CYT	peg.1223	CYT
B2RGS2	CYT	F5X8Q2	CYT	peg.665	CYT	peg.1110	IM TM	peg.110	CYT	peg.1245	ECP
B2RID8	ECP	F5XBW5	CYT	peg.328	CYT	peg.1553	OM	peg.1912	CYT	peg.1194	CYT
B2RH94	CYT	F5X8M5	CYT	peg.343	CYT	peg.187	OM	peg.1468	ECP	peg.961	CYT
B2RJC9	CYT	F5XCH9	CYT	peg.1862	CYT	peg.490	CYT	peg.92	CYT	peg.1437	CYT
B2RJo8	CYT	F5XBP9	CYT	peg.1104	IM TM	peg.734	OM LP	peg.183	IM TM	peg.1807	CYT
B2RJC5	ECP	F5X7L4	ECP	peg.929	ECP	peg.1549	OM	peg.1671	IM TM	peg.1751	CYT
		F5XC82	IM TM	peg.858	CYT	peg.1092	ECP	peg.438	PorSS	peg.883	OM LP
		F5X8U9	CYT	peg.1719	CYT	peg.1112	CYT	peg.664	PorSS	peg.238	IM TM
		F5XCZ2	CYT	peg.469	CYT	peg.29	CYT	peg.433	CYT	peg.947	OM LP
		F5XAV6	CYT	peg.248	CYT	peg.1243	CYT	peg.2052	CYT	peg.1533	PERI
		F5XA46	PERI	peg.1280	IM TM	peg.1079	CYT	peg.616	CYT	peg.1685	CYT
		F5XBG2	CYT	peg.1346	CYT	peg.258	IM TM	peg.507	IM TM	peg.1653	PERI
		F5XDK6	CYT	peg.2094	CYT	peg.718	CYT	peg.1402	CYT	peg.1143	CYT
		F5XC45	OM	peg.1441	CYT	peg.79	CYT	peg.164	CYT	peg.573	CYT
		F5XCG9	CYT	peg.2002	CYT	peg.1938	OM	peg.2082	CYT	peg.1886	CYT
		F5XDA8	CYT	peg.1758	PERI	peg.1503	PERI	peg.1091	OM	peg.139	CYT
		F5X7C1	CYT	peg.491	CYT	peg.1580	CYT	peg.348	CYT	peg.982	CYT
		F5XAX4	CYT	peg.1007	CYT	peg.1869	CYT	peg.1407	IM TM	peg.1252	PERI
		F5X9H4	ECP	peg.810	CYT	peg.1174	CYT	peg.1808	IM TM	peg.1375	IM LP
		F5X9P5	IM TM	peg.1930	CYT	peg.229	CYT	peg.1902	CYT	peg.897	IM TM
		F5X7P7	CYT	peg.1570	CYT	peg.1976	CYT	peg.946	OM LP	peg.1366	CYT
		F5XAF6	CYT	peg.2028	OM	peg.578	CYT	peg.2021	CYT	peg.271	IM TM
		F5XC40	CYT	peg.821	IM TM	peg.1393	PERI	peg.2087	CYT	peg.1540	CYT
		F5X7D4	CYT	peg.775	CYT	peg.930	CYT	peg.503	CYT	peg.950	ECP
		F5X826	CYT	peg.626	IM TM	peg.548	CYT	peg.1495	IM TM	peg.722	IM LP
		F5X797	ECP	peg.1593	CYT	peg.1560	IM TM	peg.905	CYT	peg.474	IM TM
		F5XCJ3	CYT	peg.476	CYT	peg.1915	CYT	peg.483	CYT	peg.1428	CYT
		F5X7Ho	CYT	peg.1080	CYT	peg.907	CYT	peg.1418	CYT	peg.654	PERI
		F5XA54	CYT	peg.471	CYT	peg.299	CYT	peg.1423	CYT	peg.259	IM TM
		F5XA33	CYT	peg.542	CYT	peg.436	OM	peg.1765	CYT	peg.1110	PERI
		F5X9T6	CYT	peg.515	CYT	peg.1249	CYT	peg.538	IM TM	peg.1763	OM
		F5XA45	IM TM	peg.201	CYT	peg.1470	CYT	peg.794	CYT	peg.2048	ECP
		F5XDK1	ECP	peg.1999	CYT	peg.1704	ECP	peg.713	ECP	peg.528	CYT
		F5XAZo	CYT	peg.644	PERI	peg.307	PERI	peg.1779	IM TM	peg.1171	OM LP
		F5XA26	IM TM	peg.1262	ECP	peg.1577	OM	peg.357	OM LP	peg.1315	OM LP
		F5X888	CYT	peg.1290	CYT	peg.1903	PorSS	peg.1353	CYT	peg.2122	ECP
		F5X991	CYT	peg.117	IM TM	peg.862	IM TM	peg.1025	IM TM	peg.540	CYT
		F5XB05	ECP	peg.1976	CYT	peg.321	IM TM	peg.55	CYT	peg.1727	CYT
		F5X7X6	IM TM	peg.961	CYT	peg.870	IM TM	peg.10	CYT	peg.1947	ECP

F5X7V8	CYT	peg.807	CYT	peg.1294	CYT	peg.828	IM TM	peg.1202	PorSS
F5XCR9	CYT	peg.1939	CYT	peg.1959	CYT	peg.305	CYT	peg.854	CYT
F5XDD2	CYT	peg.1873	CYT	peg.1570	IM TM	peg.2046	IM TM	peg.1	ECP
F5X9H2	CYT	peg.450	CYT	peg.869	CYT	peg.1262	CYT	peg.1055	PorSS
F5XCo8	CYT	peg.1339	ECP	peg.740	CYT	peg.1360	CYT	peg.650	IM TM
F5XATo	CYT	peg.2019	CYT	peg.400	CYT	peg.2033	IM TM	peg.1520	PERI
F5X7W9	CYT	peg.435	CYT	peg.1327	CYT	peg.240	CYT	peg.2110	PERI
F5XBC7	CYT	peg.991	CYT	peg.1600	CYT	peg.1388	IM TM	peg.345	CYT
F5XBH8	CYT	peg.1450	IM TM	peg.1838	PERI	peg.1251	CYT	peg.2060	IM TM
F5X846	CYT	peg.849	CYT	peg.1287	CYT	peg.1324	CYT	peg.1013	CYT
F5XBS0	IM TM	peg.1726	CYT			peg.1190	CYT	peg.1802	CYT
F5XAY1	CYT	peg.1748	CYT			peg.1451	IM LP	peg.1031	OM
F5XD98	IM TM	peg.1253	CYT			peg.2106	CYT	peg.865	IM TM
F5XBX4	CYT	peg.1766	CYT			peg.678	OM LP	peg.1148	CYT
F5X9C2	CYT	peg.771	IM TM			peg.1172	OM LP	peg.2075	CYT
F5XCK7	CYT	peg.1285	CYT			peg.1617	CYT	peg.1674	CYT
F5X9E6	CYT	peg.656	CYT			peg.1965	CYT	peg.1549	CYT
F5X874	IM TM	peg.1334	CYT			peg.1033	CYT	peg.1914	CYT
F5XDJ5	IM TM	peg.597	IM TM			peg.53	CYT	peg.1577	IM TM
F5XC25	IM TM	peg.123	CYT			peg.516	IM TM	peg.1922	CYT
F5X9Z8	CYT	peg.387	CYT			peg.1577	CYT	peg.699	CYT
F5X9H3	ECP	peg.276	CYT			peg.2121	CYT	peg.1843	IM TM
F5XCW8	CYT	peg.125	IM TM			peg.1863	IM TM	peg.584	CYT
F5XBA2	ECP	peg.401	CYT			peg.1517	CYT	peg.830	CYT
F5X8B0	IM TM	peg.172	CYT			peg.1473	CYT	peg.1074	ECP
F5XCS9	ECP	peg.571	CYT			peg.885	CYT	peg.1851	IM TM
F5XCX9	CYT	peg.1922	PorSS			peg.1606	PERI	peg.712	CYT
F5XA55	ECP	peg.1772	CYT			peg.1637	ECP	peg.247	CYT
F5X8Q6	CYT	peg.838	CYT			peg.199	CYT	peg.876	CYT
F5XC36	OM LP	peg.1424	ECP			peg.778	CYT	peg.180	CYT
F5X7Z1	CYT	peg.561	IM TM			peg.609	CYT	peg.637	CYT
F5X7W3	IM TM	peg.1028	OM			peg.1529	CYT	peg.40	CYT
F5XAZ8	CYT	peg.1133	OM			peg.1381	PorSS	peg.823	CYT
F5X8K9	IM TM	peg.77	IM TM			peg.1683	CYT	peg.821	CYT
F5XAE9	OM LP	peg.444	CYT			peg.1599	CYT	peg.90	IM TM
F5XALo	CYT	peg.1430	CYT			peg.1349	CYT	peg.1169	OM
F5X975	IM TM	peg.592	ECP			peg.942	IM LP	peg.840	IM TM
F5XDo8	CYT	peg.192	CYT			peg.1891	CYT	peg.22	CYT
F5XC53	CYT	peg.1370	PERI			peg.667	CYT	peg.55	PERI
F5XCY6	CYT	peg.1942	ECP			peg.203	IM TM	peg.956	CYT
F5XCA1	CYT	peg.1412	CYT			peg.542	CYT	peg.355	IM TM
F5XBE7	CYT	peg.2057	PERI			peg.1682	CYT	peg.1418	CYT

F5XB44	CYT	peg.981	IM TM	peg.355	IM TM	peg.676	CYT
F5X887	CYT	peg.536	CYT	peg.1084	OM	peg.1081	CYT
F5X798	CYT	peg.1536	CYT	peg.488	CYT	peg.1495	CYT
F5XC62	CYT	peg.1419	OM LP	peg.1245	IM TM	peg.1648	CYT
F5X868	CYT	peg.1019	PERI	peg.77	CYT	peg.1122	PERI
F5XAZ3	CYT	peg.105	CYT	peg.1065	CYT	peg.1385	PERI
F5XAR6	IM TM	peg.1917	IM TM	peg.205	PERI	peg.732	CYT
F5XC50	CYT	peg.971	CYT	peg.700	CYT	peg.545	ECP
F5XBH9	CYT	peg.781	CYT	peg.60	CYT	peg.1338	IM TM
F5X9D7	CYT			peg.1129	PERI	peg.706	IM TM
F5XA90	CYT			peg.1255	CYT	peg.595	ECP
F5XAJ5	CYT			peg.1907	CYT	peg.535	CYT
F5XCI5	IM TM			peg.2125	OM LP	peg.164	CYT
F5X8H1	CYT			peg.1624	CYT	peg.1463	CYT
F5X864	PERI			peg.1635	CYT	peg.178	IM TM
F5X930	ECP			peg.1501	CYT	peg.300	OM
F5XAV1	CYT			peg.660	IM TM	peg.385	CYT
F5X9Y8	IM TM			peg.893	ECP	peg.1475	CYT
F5XDB6	CYT			peg.1552	CYT	peg.976	OM LP
F5XAQ7	CYT			peg.2040	CYT	peg.942	OM LP
F5X9C3	CYT			peg.1288	CYT	peg.798	CYT
F5X9V7	IM TM			peg.1317	CYT	peg.2038	PorSS
F5XB85	ECP			peg.1820	CYT	peg.268	CYT
F5XDH5	CYT			peg.1941	IM TM	peg.2005	IM TM
F5XAS2	PERI			peg.497	IM TM	peg.126	CYT
F5XD24	CYT			peg.917	CYT	peg.1384	OM LP
F5X912	CYT			peg.821	OM	peg.1395	CYT
F5XBS2	CYT			peg.1971	CYT	peg.1630	CYT
F5X9L4	CYT			peg.441	OM LP	peg.1835	IM TM
F5X9L5	CYT			peg.1358	CYT	peg.1858	CYT
F5XAC5	CYT			peg.1075	IM TM	peg.1969	CYT
F5XDH4	CYT			peg.583	OM	peg.1739	OM LP
F5XBE0	IM TM			peg.238	CYT	peg.930	IM TM
F5XAG6	CYT			peg.2028	ECP	peg.1105	CYT
F5XBY7	CYT			peg.2168	CYT	peg.1119	CYT
F5XAN0	CYT			peg.1996	CYT	peg.2144	OM
F5X8F0	IM TM			peg.457	CYT	peg.661	OM
G1UBV0	IM LP			peg.1193	CYT	peg.2011	CYT
F5X989	CYT			peg.1365	IM TM	peg.388	PERI
F5X9G3	CYT			peg.1107	CYT	peg.10	CYT
F5XAN7	ECP			peg.1016	CYT	peg.95	CYT
F5XCD7	CYT			peg.1486	CYT	peg.63	CYT

F5X9W9	CYT
F5X7H4	CYT
F5XCU7	CYT
F5X9U5	IM TM
F5XCU0	CYT
F5XBF2	IM TM
F5XCQ2	ECP
F5XB83	CYT
F5XC03	CYT
F5XC23	CYT
F5XAZ2	ECP
F5XC43	CYT
F5XBT4	CYT
F5X853	IM TM
F5XD73	CYT
F5XD90	ECP
F5XDB0	CYT
G1UBV2	CYT
F5XBN2	CYT
F5X8U7	CYT
F5X7L7	IM TM
F5X973	ECP
F5XCA0	ECP
F5XDo7	CYT
F5X7R5	CYT
F5XCU9	CYT
F5XBH2	CYT
F5XCU5	CYT
F5XCP2	ECP
F5X8Q9	CYT
F5XC49	PERI
F5XA81	IM TM
F5X7V4	PERI
F5X971	CYT
F5XBQ5	IM TM
F5X949	CYT
F5X9M2	CYT
F5XB00	CYT
F5XD61	CYT
F5XBD1	CYT
F5X8L4	IM TM
F5XAG3	CYT

peg.448	ECP	peg.538	CYT
peg.20	CYT	peg.665	CYT
peg.266	CYT	peg.923	CYT
peg.1168	OM	peg.802	IM TM
peg.2078	CYT	peg.518	CYT
peg.634	CYT	peg.835	CYT
peg.1888	CYT	peg.1152	CYT
peg.1199	CYT	peg.567	IM TM
peg.553	CYT		
peg.245	PERI		
peg.81	CYT		
peg.38	CYT		
peg.1656	CYT		
peg.150	CYT		
peg.1182	IM TM		
peg.739	CYT		
peg.1884	CYT		
peg.1792	CYT		
peg.287	CYT		
peg.1346	IM TM		
peg.1536	PERI		
peg.1339	CYT		
peg.526	CYT		
peg.933	CYT		
peg.580	IM TM		
peg.2142	CYT		
peg.1854	IM TM		
peg.1830	CYT		
peg.1988	CYT		
peg.619	CYT		
peg.2100	ECP		
peg.1819	CYT		
peg.313	CYT		

F5X8E5	CYT
F5X8Y1	CYT
F5XBF3	ECP
F5XB82	CYT
F5X9V1	CYT
F5XBV3	CYT
F5X942	PERI
F5X9Ro	CYT
F5XA17	CYT
F5XA74	CYT
F5X9I3	CYT
F5X9P1	IM TM
F5XAC3	IM TM

**Table S4.** The *P. gingivalis* core proteome. The presented list includes all orthologs of the *P. gingivalis* ATCC 33277 proteins present in all *P. gingivalis* strains analyzed in this study, as well as the predicted subcellular localization of the respective proteins.

ATCC 33277		W83		TDC60		MDS33		MDS140		512915		20655	
ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.
B2RIU4	CYT	Q51834	CYT	F5XCH8	CYT	peg.2009	CYT	peg.1058	CYT	peg.1905	CYT	peg.744	CYT
B2RLZ3	CYT	Q7MTL2	CYT	F5X7U7	CYT	peg.1656	CYT	peg.914	CYT	peg.2104	CYT	peg.620	CYT
B2RLH2	CYT	Q7MU16	CYT	F5XB46	CYT	peg.2048	CYT	peg.170	CYT	peg.947	CYT	peg.1451	CYT
B2RLY3	CYT	Q7MTM2	CYT	F5X7T7	CYT	peg.1666	CYT	peg.924	CYT	peg.2094	CYT	peg.610	CYT
B2RLY8	ECP	Q7MTL7	ECP	F5X7U2	ECP	peg.1661	ECP	peg.919	ECP	peg.2099	ECP	peg.615	ECP
B2RL45	CYT	Q7MX27	CYT	F5XBW2	CYT	peg.454	CYT	peg.290	CYT	peg.2	CYT	peg.508	CYT
B2RL44	CYT	Q7MX26	CYT	F5XBW3	CYT	peg.455	CYT	peg.291	CYT	peg.1	CYT	peg.507	CYT
B2RLW8	CYT	Q7MTN7	CYT	F5X7S2	CYT	peg.1680	CYT	peg.938	CYT	peg.2080	CYT	peg.596	CYT
B2RH41	ECP	Q7MT66	ECP	F5XAX5	ECP	peg.1337	ECP	peg.1460	ECP	peg.793	ECP	peg.964	ECP
B2RL48	CYT	Q7MX30	CYT	F5XBV9	CYT	peg.451	CYT	peg.287	CYT	peg.5	CYT	peg.511	CYT
B2RLC2	CYT	Q7MX95	CYT	F5XBA1	CYT	peg.737	CYT	peg.215	CYT	peg.847	CYT	peg.262	CYT
B2RIU1	CYT	Q51832	CYT	F5XCH5	CYT	peg.2012	CYT	peg.1055	CYT	peg.1908	CYT	peg.747	CYT
B2RH13	CYT	Q7MX14	CYT	F5X8L2	CYT	peg.363	CYT	peg.444	CYT	peg.1098	CYT	peg.293	CYT
B2RLW7	ECP	Q7MTN8	ECP	F5X7S1	ECP	peg.1681	ECP	peg.939	ECP	peg.2079	ECP	peg.595	ECP
B2RL54	CYT	Q7MX34	CYT	F5XBV3	CYT	peg.445	CYT	peg.280	CYT	peg.12	CYT	peg.518	CYT
B2RJ07	CYT	Q7MW36	CYT	F5XD22	CYT	peg.838	CYT	peg.1986	CYT	peg.1138	CYT	peg.1505	CYT
B2RJT7	CYT	Q7MUZ6	CYT	F5XDA8	CYT	peg.108	CYT	peg.110	CYT	peg.585	CYT	peg.1600	CYT
B2RIE4	CYT	Q7MWN0	CYT	F5XBL2	CYT	peg.2079	CYT	peg.1391	CYT	peg.1802	CYT	peg.407	CYT
B2RL63	CYT	Q7MX42	CYT	F5XBU4	CYT	peg.436	CYT	peg.271	CYT	peg.22	CYT	peg.527	CYT
B2RLG7	CYT	Q7MU19	CYT	F5XB51	CYT	peg.695	CYT	peg.174	CYT	peg.806	CYT	peg.221	CYT
B2RLW6	CYT	Q7MTN9	CYT	F5X7S0	CYT	peg.1682	CYT	peg.940	CYT	peg.2078	CYT	peg.594	CYT
B2RLZ5	CYT	Q7MTL0	CYT	F5X7U9	CYT	peg.1654	CYT	peg.912	CYT	peg.2106	CYT	peg.622	CYT
B2RLX8	CYT	Q7MTM7	CYT	F5X7T2	CYT	peg.1671	CYT	peg.929	CYT	peg.2089	CYT	peg.605	CYT
B2RLV5	CYT	P59946	CYT	F5X7Q7	CYT	peg.884	CYT	peg.1750	CYT	peg.81	CYT	peg.1499	CYT
B2RHC2	CYT	Q7MXN7	CYT	F5X8E9	CYT	peg.1266	CYT	peg.384	CYT	peg.157	CYT	peg.1776	CYT
B2RLX9	CYT	Q7MTM6	CYT	F5X7T3	CYT	peg.1670	CYT	peg.928	CYT	peg.2090	CYT	peg.606	CYT
B2RIG4	CYT	Q7MWL2	CYT	F5XBN6	CYT	peg.2100	CYT	peg.1370	CYT	peg.1820	CYT	peg.1913	CYT
B2RHR8	CYT	Q7MU43	CYT	F5X8W4	CYT	peg.992	CYT	peg.1348	CYT	peg.1256	CYT	peg.1719	CYT
B2RLY6	CYT	Q7MTL9	CYT	F5X7U0	CYT	peg.1663	CYT	peg.921	CYT	peg.2097	CYT	peg.613	CYT
B2RIG3	CYT	Q7MWL3	CYT	F5XBN5	CYT	peg.2099	CYT	peg.1371	CYT	peg.1819	CYT	peg.1912	CYT
B2RLV6	CYT	Q7MTP6	CYT	F5X7Q8	CYT	peg.885	CYT	peg.1751	CYT	peg.80	CYT	peg.1500	CYT



B2RLZ6	CYT	Q7MTK9	CYT	F5X7Vo	CYT	peg.1653	CYT	peg.911	CYT	peg.2107	CYT	peg.623	CYT
B2RL62	CYT	Q7MX41	CYT	F5XBU5	CYT	peg.437	CYT	peg.272	CYT	peg.21	CYT	peg.526	CYT
B2RIG7	CYT	Q7MWK9	CYT	F5XBN9	CYT	peg.2103	CYT	peg.1366	CYT	peg.1824	CYT	peg.1917	CYT
B2RLY2	CYT	Q7MTM3	CYT	F5X7T6	CYT	peg.1667	CYT	peg.925	CYT	peg.2093	CYT	peg.609	CYT
B2RLX3	ECP	Q7MTN2	ECP	F5X7S7	ECP	peg.1675	CYT	peg.933	CYT	peg.2085	CYT	peg.601	CYT
B2RLY5	CYT	Q7MTM0	CYT	F5X7T9	CYT	peg.1664	CYT	peg.922	CYT	peg.2096	CYT	peg.612	CYT
B2RJ75	CYT	Q7MUR5	CYT	F5XCM2	CYT	peg.5	CYT	peg.845	CYT	peg.498	CYT	peg.2092	CYT
B2RGP4	CYT	Q7MX4	CYT	F5X7Bo	CYT	peg.894	CYT	peg.1901	CYT	peg.1047	CYT	peg.210	CYT
B2RHD7	CYT	Q7MXM3	CYT	F5X8G4	CYT	peg.1281	CYT	peg.399	CYT	peg.142	CYT	peg.1791	CYT
B2RHM7	CYT	Q7MXE6	CYT	F5X8So	CYT	peg.952	CYT	peg.718	CYT	peg.1219	CYT	peg.1571	CYT
B2RJF8	IM TM	Q7MVS5	IM TM	F5X9R5	IM TM	peg.383	IM TM	peg.617	IM TM	peg.260	IM TM	peg.1456	IM TM
B2RHF2	CYT	Q7MXK9	CYT	F5X8H9	CYT	peg.1297	CYT	peg.414	CYT	peg.1653	CYT	peg.324	CYT
B2RJX3	PERI	Q7MUW6	PERI	F5XCU4	PERI	peg.147	PERI	peg.758	PERI	peg.1367	PERI	peg.1653	PERI
B2RL41	CYT	Q7MX24	CYT	F5XBW6	CYT	peg.458	CYT	peg.295	CYT	peg.1013	CYT	peg.503	CYT
B2RM78	CYT	Q7MTF5	CYT	F5X82o	CYT	peg.1868	CYT	peg.1540	CYT	peg.1692	CYT	peg.689	CYT
B2RLW4	CYT	Q7MTP1	CYT	F5X7R8	CYT	peg.1684	CYT	peg.942	CYT	peg.2076	CYT	peg.592	CYT
B2RHE0	CYT	Q7MXM0	CYT	F5X8G7	CYT	peg.1284	CYT	peg.402	CYT	peg.139	CYT	peg.1794	CYT
B2RJY1	CYT	Q7MUV7	CYT	F5XCT4	CYT	peg.157	CYT	peg.766	CYT	peg.1377	CYT	peg.1644	CYT
B2RIZ3	CYT	Q7MW49	CYT	F5XD06	CYT	peg.1249	CYT	peg.1265	CYT	peg.488	CYT	peg.692	CYT
B2RK42	CYT	Q7MVE5	CYT	F5XAB9	CYT	peg.1951	CYT	peg.544	CYT	peg.726	CYT	peg.20	CYT
B2RHN9	CYT	Q7MXD5	CYT	F5X8T4	CYT	peg.963	CYT	peg.1321	CYT	peg.1229	CYT	peg.1746	CYT
B2RH81	CYT	Q7MT32	CYT	F5XAT3	CYT	peg.1546	CYT	peg.1444	CYT	peg.1173	CYT	peg.1003	CYT
B2RJG1	CYT	Q7MVS7	CYT	F5X9R2	CYT	peg.387	CYT	peg.1483	CYT	peg.264	CYT	peg.1459	CYT
B2RLI5	CYT	Q7MU04	CYT	F5XB33	CYT	peg.1940	CYT	peg.157	CYT	peg.2126	CYT	peg.1437	CYT
B2RKT2	CYT	Q7MWS5	CYT	F5XBE8	CYT	peg.586	CYT	peg.1681	CYT	peg.131	CYT	peg.438	CYT
B2RID6	CYT	Q7MV30	CYT	F5XDF9	CYT	peg.1596	CYT	peg.1090	CYT	peg.1555	CYT	peg.415	CYT
B2RKL4	CYT	Q7MV45	CYT	F5XAQ0	CYT	peg.1689	CYT	peg.1292	CYT	peg.1416	CYT	peg.1539	CYT
B2RM15	CYT	Q7MTJ4	CYT	F5X7Xo	CYT	peg.1911	CYT	peg.891	CYT	peg.2025	CYT	peg.644	CYT
B2RLY9	ECP	Q7MTL6	ECP	F5X7U3	ECP	peg.1660	CYT	peg.918	ECP	peg.2100	ECP	peg.616	ECP
B2RL49	ECP	Q7MX31	ECP	F5XBV8	ECP	peg.450	CYT	peg.286	CYT	peg.6	ECP	peg.512	CYT
B2RGQ9	CYT	Q7MXW3	CYT	F5X7C4	CYT	peg.1580	CYT	peg.1914	CYT	peg.963	CYT	peg.1248	CYT
B2RLY7	CYT	Q7MTL8	CYT	F5X7U1	CYT	peg.1662	CYT	peg.920	CYT	peg.2098	CYT	peg.614	CYT
B2RIG0	CYT	Q7MWL6	CYT	F5XBN2	CYT	peg.2096	CYT	peg.1374	CYT	peg.2072	CYT	peg.1256	CYT
B2RLW9	CYT	Q7MTN6	CYT	F5X7S3	CYT	peg.1679	CYT	peg.937	CYT	peg.2081	CYT	peg.597	CYT
B2RLY0	CYT	Q7MTM5	CYT	F5X7T4	CYT	peg.1669	CYT	peg.927	CYT	peg.2091	CYT	peg.607	CYT
B2RH13	CYT	Q7MT92	CYT	F5XB04	CYT	peg.1089	CYT	peg.1310	CYT	peg.873	CYT	peg.935	CYT
B2RHF3	CYT	Q7MXK8	CYT	F5X8I0	CYT	peg.1298	CYT	peg.415	CYT	peg.1652	CYT	peg.323	CYT

B2RLC1	ECP	Q7MX94	ECP	F5XBA2	ECP	peg.738	ECP	peg.216	ECP	peg.848	ECP	peg.263	ECP
B2RIL8	ECP	Q7MWG1	ECP	F5XCA0	ECP	peg.1171	ECP	peg.1631	ECP	peg.1985	ECP	peg.826	ECP
B2RLZ2	ECP	Q7MTL3	ECP	F5X7U6	ECP	peg.1657	ECP	peg.915	ECP	peg.2103	ECP	peg.619	ECP
B2RLZ1	ECP	Q7MTL4	ECP	F5X7U5	ECP	peg.1658	ECP	peg.916	ECP	peg.2102	ECP	peg.618	ECP
B2RL46	CYT	Q7MX28	CYT	F5XBW1	CYT	peg.453	CYT	peg.289	CYT	peg.3	CYT	peg.509	CYT
B2RLY4	CYT	Q7MTM1	CYT	F5X7T8	CYT	peg.1665	CYT	peg.923	CYT	peg.2095	CYT	peg.611	CYT
B2RM14	CYT	Q7MTJ5	CYT	F5X7W9	CYT	peg.1910	CYT	peg.892	CYT	peg.2026	CYT	peg.643	CYT
B2RJD8	ECP	Q7MVQ7	ECP	F5X9T3	ECP	peg.249	ECP	peg.636	ECP	peg.241	ECP	peg.2081	ECP
B2RIG5	CYT	Q7MWL1	CYT	F5XBN7	CYT	peg.2101	CYT	peg.1369	CYT	peg.1821	CYT	peg.1914	CYT
B2RM10	CYT	Q7MTB0	CYT	F5XDH8	CYT	peg.921	CYT	peg.1427	CYT	peg.1607	CYT	peg.1806	CYT
B2RLY1	CYT	Q7MTM4	CYT	F5X7T5	CYT	peg.1668	CYT	peg.926	CYT	peg.2092	CYT	peg.608	CYT
B2RLX6	CYT	Q7MTM9	CYT	F5X7T0	CYT	peg.1673	CYT	peg.931	CYT	peg.2087	CYT	peg.603	CYT
B2RMA5	CYT	Q7MAV4	CYT	F5X851	CYT	peg.1821	CYT	peg.70	CYT	peg.1836	CYT	peg.1224	CYT
B2RK25	CYT	Q7MVG0	CYT	F5XAC9	CYT	peg.774	CYT	peg.531	CYT	peg.715	CYT	peg.10	CYT
B2RK53	CYT	Q7MVD7	CYT	F5XAA7	CYT	peg.1773	CYT	peg.555	CYT	peg.737	CYT	peg.33	CYT
B2RKT6	CYT	Q7MWS9	CYT	F5XBE4	CYT	peg.582	CYT	peg.1685	CYT	peg.135	CYT	peg.434	CYT
B2RIL9	CYT	Q7MWG0	CYT	F5XCA1	CYT	peg.1170	CYT	peg.1632	CYT	peg.1984	CYT	peg.825	CYT
B2RH69	CYT	Q7MT44	CYT	F5XAU9	CYT	peg.938	CYT	peg.1226	CYT	peg.1188	CYT	peg.991	CYT
B2RLS5	CYT	Q7MTS0	CYT	F5X7M2	CYT	peg.860	CYT	peg.1790	CYT	peg.1115	CYT	peg.1955	CYT
B2RL61	CYT	Q7MX40	CYT	F5XBU6	CYT	peg.438	CYT	peg.273	CYT	peg.20	CYT	peg.525	CYT
B2RIW6	CYT	Q7MW79	CYT	F5XCX7	CYT	peg.1223	CYT	peg.1238	CYT	peg.460	CYT	peg.719	CYT
B2RK20	CYT	Q7MVG5	CYT	F5XAD4	CYT	peg.779	CYT	peg.526	CYT	peg.710	CYT	peg.5	CYT
B2RIF2	CYT	Q51831	CYT	F5XBM0	CYT	peg.2087	CYT	peg.1383	CYT	peg.1810	CYT	peg.399	CYT
B2RIE8	IM TM	Q7MWM6	IM TM	F5XBL6	IM TM	peg.2083	IM TM	peg.1387	IM TM	peg.1806	IM TM	peg.403	IM TM
B2RJV4	CYT	Q7MUY2	CYT	F5XD91	CYT	peg.127	CYT	peg.740	CYT	peg.1349	CYT	peg.274	CYT
B2RMD0	CYT	Q7MXU9	CYT	F5X877	CYT	peg.1381	CYT	peg.41	CYT	peg.1501	CYT	peg.1189	CYT
B2RJ01	CYT	Q7MW43	CYT	F5XD16	CYT	peg.845	CYT	peg.1272	CYT	peg.888	CYT	peg.1259	CYT
B2RL29	CYT	Q7MX15	CYT	F5XBX7	CYT	peg.486	CYT	peg.305	CYT	peg.1003	CYT	peg.493	CYT
B2RIJ4	CYT	Q51841	CYT	F5XC75	CYT	peg.1198	CYT	peg.1604	CYT	peg.209	CYT	peg.1137	CYT
B2RIE9	CYT	Q7MWM5	CYT	F5XBL7	CYT	peg.2084	CYT	peg.1386	CYT	peg.1807	CYT	peg.402	CYT
B2RIF1	CYT	Q7MAW5	CYT	F5XBL9	CYT	peg.2086	CYT	peg.1384	CYT	peg.1809	CYT	peg.400	CYT
B2RKG6	CYT	Q7MAW4	CYT	F5X9V9	CYT	peg.230	CYT	peg.657	CYT	peg.223	CYT	peg.127	CYT
B2RJU3	IM TM	Q7MUZ1	IM TM	F5XDA4	IM TM	peg.113	IM TM	peg.115	IM TM	peg.580	IM TM	peg.1594	IM TM
B2RKK1	CYT	Q7MV56	CYT	F5XAN5	CYT	peg.1700	CYT	peg.1706	CYT	peg.1428	CYT	peg.1925	CYT
B2RIV7	CYT	Q7MW55	CYT	F5XCZ9	CYT	peg.1243	CYT	peg.1259	CYT	peg.482	CYT	peg.698	CYT
B2RJ03	IM TM	Q7MW41	IM TM	F5XD18	IM TM	peg.843	IM TM	peg.1274	IM TM	peg.890	IM TM	peg.1261	IM TM
B2RIH0	CYT	Q7MWK7	CYT	F5XC46	CYT	peg.1218	CYT	peg.1578	CYT	peg.188	CYT	peg.1161	CYT

B2RLM4	CYT	Q7MTW6	CYT	F5X7G4	CYT	peg.1526	CYT	peg.821	CYT	peg.1786	CYT	peg.1038	CYT
B2RJJ6	CYT	Q7MUV7	CYT	F5X9M8	CYT	peg.336	CYT	peg.138	CYT	peg.909	CYT	peg.376	CYT
B2RIF8	CYT	Q7MWMo	CYT	F5XBM9	CYT	peg.2094	CYT	peg.1376	CYT	peg.1816	CYT	peg.1254	CYT
B2RKW6	CYT	Q7MWV8	CYT	F5XBA9	CYT	peg.554	CYT	peg.2024	CYT	peg.1627	CYT	peg.1109	CYT
B2RK28	CYT	Q7MVF1	CYT	F5XAC6	CYT	peg.770	CYT	peg.534	CYT	peg.718	CYT	peg.13	CYT
B2RHS7	CYT	Q7MU5o	CYT	F5X8X7	CYT	peg.999	CYT	peg.1354	CYT	peg.648	CYT	peg.1008	CYT
B2RLJ5	CYT	Q51843	CYT	F5XC76	CYT	peg.1197	CYT	peg.1605	CYT	peg.210	CYT	peg.1136	CYT
B2RHV8	CYT	Q7MU78	CYT	F5X911	CYT	peg.1627	CYT	peg.1857	CYT	peg.611	CYT	peg.1865	CYT
B2RKU2	CYT	Q7MWT4	CYT	F5XBD6	CYT	peg.577	CYT	peg.591	CYT	peg.1753	CYT	peg.1211	CYT
B2RII6	CYT	Q7MWJo	IM TM	F5XC65	CYT	peg.1207	CYT	peg.1593	CYT	peg.201	CYT	peg.1146	CYT
B2RHG2	OM LP	Q7MXK2	OM LP	F5X8I8	CYT	peg.1743	OM LP	peg.425	OM LP	peg.1078	OM LP	peg.312	OM LP
B2RHG4	OM LP	Q7MXKo	OM LP	F5X8Jo	OM LP	peg.1741	OM LP	peg.427	OM LP	peg.1080	OM LP	peg.310	OM LP
B2RKS4	CYT	Q7MAW6	CYT	F5XBF6	CYT	peg.593	CYT	peg.1673	CYT	peg.124	CYT	peg.446	CYT
B2RHPo	CYT	Q7MAW9	CYT	F5X8T5	CYT	peg.964	CYT	peg.1322	CYT	peg.1230	CYT	peg.1745	CYT
B2RME3	CYT	Q7MXT7	CYT	F5X889	CYT	peg.1394	CYT	peg.27	CYT	peg.1514	CYT	peg.1177	CYT
B2RIq8	IM TM	Q7MUE1	IM TM	F5X995	IM TM	peg.1455	IM TM	peg.700	IM TM	peg.540	IM TM	peg.565	IM TM
B2RIK3	CYT	Q7MWH4	CYT	F5XC84	CYT	peg.1189	CYT	peg.1613	CYT	peg.218	CYT	peg.1128	CYT
B2RJE9	CYT	Q7MVR7	CYT	F5X9S5	CYT	peg.273	CYT	peg.625	CYT	peg.252	CYT	peg.1583	CYT
B2RLAo	CYT	Q7MAW8	CYT	F5XBQ7	CYT	peg.759	CYT	peg.235	CYT	peg.60	CYT	peg.861	CYT
B2RLS8	IM TM	Q7MTR7	IM TM	F5X7M5	IM TM	peg.863	IM TM	peg.1787	IM TM	peg.1118	IM TM	peg.1952	IM TM
B2RGP8	CYT	Q7MXXo	CYT	F5X7B4	CYT	peg.890	CYT	peg.1905	CYT	peg.1051	CYT	peg.214	CYT
B2RLA8	CYT	Q7MX82	CYT	F5XBQo	CYT	peg.752	CYT	peg.228	CYT	peg.862	CYT	peg.853	CYT
B2RJD7	CYT	Q7MVQ6	CYT	F5X9T4	CYT	peg.248	CYT	peg.637	CYT	peg.240	CYT	peg.2082	CYT
B2RI92	CYT	PoC936	CYT	F5X9D9	CYT	peg.17	CYT	peg.978	CYT	peg.2004	CYT	peg.1709	CYT
B2RGR5	CYT	PoC938	CYT	F5X7Do	CYT	peg.1576	CYT	peg.1918	CYT	peg.1142	CYT	peg.832	CYT
B2RIJ6	CYT	Q7MVU8	CYT	F5X9N8	CYT	peg.346	CYT	peg.148	CYT	peg.899	CYT	peg.386	CYT
B2RHM9	CYT	Q7MXE4	CYT	F5X8S2	CYT	peg.954	CYT	peg.716	CYT	peg.1221	CYT	peg.1569	CYT
B2RIJ5	CYT	Q7MUQ9	CYT	F5XCL6	CYT	peg.10	CYT	peg.971	CYT	peg.493	CYT	peg.1672	CYT
B2RLI7	OM	Q7MUo2	OM	F5XB31	OM	peg.1938	OM	peg.155	OM	peg.2128	OM	peg.1435	OM
B2RKU8	CYT	Q7MWT9	CYT	F5XBC9	CYT	peg.571	CYT	peg.2043	CYT	peg.1747	CYT	peg.1204	CYT
B2RI39	IM TM	Q7MUD1	IM TM	F5X986	IM TM	peg.1444	IM TM	peg.1964	IM TM	peg.548	IM TM	peg.556	IM TM
B2RLV1	CYT	Q7MTQo	CYT	F5X7Q3	CYT	peg.880	CYT	peg.1746	CYT	peg.85	CYT	peg.1495	CYT
B2RKS6	CYT	P42375	CYT	F5XBF4	CYT	peg.591	CYT	peg.1676	CYT	peg.126	CYT	peg.443	CYT
B2RL67	CYT	Q7MX47	CYT	F5XBT7	CYT	peg.430	CYT	peg.266	CYT	peg.28	CYT	peg.532	CYT
B2RL24	CYT	Q7MX1o	CYT	F5XBY2	CYT	peg.491	CYT	peg.310	CYT	peg.998	CYT	peg.488	CYT
B2RL89	CYT	Q7MX68	CYT	F5XBR5	CYT	peg.410	CYT	peg.245	CYT	peg.50	CYT	peg.870	CYT
B2RM63	CYT	Q7MTG7	CYT	F5X8o5	CYT	peg.1881	CYT	peg.1527	CYT	peg.1705	CYT	peg.676	CYT

B2RJH4	CYT	Q7MVT9	CYT	F5X9Q0	CYT	peg.400	CYT	peg.1978	CYT	peg.277	CYT	peg.1472	CYT
B2RM92	CYT	Q7MTE3	CYT	F5X837	CYT	peg.1601	CYT	peg.944	CYT	peg.2062	CYT	peg.2002	CYT
B2RI74	CYT	Q7MUG4	CYT	F5X9C1	CYT	peg.33	CYT	peg.995	CYT	peg.511	CYT	peg.2029	CYT
B2RKS5	CYT	P42376	CYT	F5XBF5	CYT	peg.592	ECP	peg.1674	CYT	peg.125	CYT	peg.445	CYT
B2RKL2	CYT	Q7MV47	CYT	F5XAP8	CYT	peg.1691	CYT	peg.1294	CYT	peg.1418	CYT	peg.1537	CYT
B2RMJ1	CYT	Q7MT07	CYT	F5XDI8	CYT	peg.912	CYT	peg.1417	CYT	peg.1617	CYT	peg.166	CYT
B2RKJ1	CYT	P0C934	CYT	F5XAM5	CYT	peg.1710	CYT	peg.1713	CYT	peg.1437	CYT	peg.1933	CYT
B2RGM5	CYT	Q7MXZ1	CYT	F5X790	CYT	peg.1030	CYT	peg.1882	CYT	peg.763	CYT	peg.191	CYT
B2RLJ0	ECP	Q9XCA6	ECP	F5XB28	ECP	peg.1935	ECP	peg.1803	ECP	peg.2131	ECP	peg.1432	CYT
B2RMB9	CYT	Q7MTB9	CYT	F5X865	CYT	peg.1371	CYT	peg.51	CYT	peg.1577	CYT	peg.1241	CYT
B2RIT4	CYT	Q7MWA2	CYT	F5XCG7	CYT	peg.2019	CYT	peg.1048	CYT	peg.1915	CYT	peg.754	CYT
B2RJM1	CYT	Q7MVY0	CYT	F5X9K1	CYT	peg.307	CYT	peg.1115	CYT	peg.1689	CYT	peg.350	CYT
B2RLI9	CYT	Q7MU00	CYT	F5XB29	CYT	peg.1936	CYT	peg.1802	CYT	peg.2130	CYT	peg.1433	CYT
B2RIF9	CYT	Q7MWL9	CYT	F5XBN0	CYT	peg.2095	CYT	peg.1375	CYT	peg.1817	CYT	peg.1255	CYT
B2RHB4	CYT	Q7MXP4	CYT	F5X8E1	CYT	peg.1257	CYT	peg.376	CYT	peg.165	CYT	peg.1768	CYT
B2RH08	CYT	Q7MT97	CYT	F5XB09	CYT	peg.1081	CYT	peg.1315	CYT	peg.879	CYT	peg.929	CYT
B2RK02	CYT	Q7MV10	CYT	F5XAF2	CYT	peg.797	CYT	peg.507	CYT	peg.293	CYT	peg.1997	CYT
B2RLH9	CYT	Q7MU10	CYT	F5XB39	CYT	peg.1947	CYT	peg.163	CYT	peg.955	CYT	peg.1443	CYT
B2RLG9	CYT	P60053	CYT	F5XB49	CYT	peg.693	CYT	peg.172	CYT	peg.804	CYT	peg.219	CYT
B2RKY9	CYT	Q7MWY2	CYT	F5XC20	CYT	peg.529	CYT	peg.349	CYT	peg.1851	CYT	peg.1085	CYT
B2RIR0	CYT	Q7MWC6	CYT	F5XCE2	CYT	peg.1126	CYT	peg.1739	CYT	peg.1942	CYT	peg.786	CYT
B2RIS4	CYT	Q7MWB6	CYT	F5XCF4	CYT	peg.1109	CYT	peg.1034	CYT	peg.1927	CYT	peg.769	CYT
B2RLJ1	CYT	Q7MW15	CYT	F5XC70	CYT	peg.1202	CYT	peg.1598	CYT	peg.206	CYT	peg.1141	CYT
B2RGR2	CYT	Q7MXW0	CYT	F5X7C7	CYT	peg.1578	CYT	peg.1916	CYT	peg.961	CYT	peg.1280	CYT
B2RHB7	CYT	Q7MXP1	CYT	F5X8E4	CYT	peg.1261	CYT	peg.379	CYT	peg.162	CYT	peg.1772	CYT
B2RID1	PERI	Q7MV25	PERI	F5XDF4	PERI	peg.1591	PERI	peg.1085	PERI	peg.1560	PERI	peg.420	PERI
B2RIT0	PERI	Q7MWA7	CYT	F5XCG2	PERI	peg.1099	PERI	peg.1044	PERI	peg.1919	CYT	peg.758	PERI
B2RMK4	CYT	Q7MSZ3	CYT	F5XDK2	CYT	peg.898	CYT	peg.1402	CYT	peg.774	CYT	peg.180	CYT
B2RLZ4	CYT	Q7MTL1	CYT	F5X7U8	CYT	peg.1655	CYT	peg.913	CYT	peg.2105	CYT	peg.621	CYT
B2RJ90	CYT	P0C937	CYT	F5XAK3	CYT	peg.1733	CYT	peg.1866	CYT	peg.1460	CYT	peg.1856	CYT
B2RL52	CYT	F5HDQ9	CYT	G1UBU0	CYT	peg.447	CYT	peg.283	CYT	peg.9	CYT	peg.515	CYT
B2RMG0	CYT	P0C935	CYT	F5X8A7	CYT	peg.2032	CYT	peg.10	CYT	peg.1530	CYT	peg.1423	CYT
B2RKV3	PERI	Q7MWU6	PERI	F5XBC1	PERI	peg.567	PERI	peg.2038	PERI	peg.1642	PERI	peg.1122	PERI
B2RJH1	CYT	Q7MVT6	CYT	F5X9Q3	CYT	peg.397	CYT	peg.1975	CYT	peg.274	CYT	peg.1469	CYT
B2RJX5	CYT	Q7MUW3	CYT	F5XCU0	CYT	peg.151	CYT	peg.760	CYT	peg.1371	CYT	peg.1650	CYT
B2RLL7	CYT	Q7MTV8	CYT	F5X7F7	CYT	peg.1534	CYT	peg.828	CYT	peg.1794	CYT	peg.1030	CYT
B2RH63	CYT	Q7MAV3	CYT	F5XAV5	CYT	peg.932	CYT	peg.1232	CYT	peg.1194	CYT	peg.985	CYT

B2RIZo	CYT	Q7MW52	CYT	F5XD03	CYT	peg.1246	CYT	peg.1262	CYT	peg.485	CYT	peg.695	CYT
B2RKS0	IM TM	P60036	IM TM	F5XBG0	IM TM	peg.597	IM TM	peg.1560	IM TM	peg.120	IM TM	peg.451	IM TM
B2RJS2	CYT	Q7MV08	CYT	F5XDC7	CYT	peg.2061	CYT	peg.1498	CYT	peg.433	CYT	peg.1810	CYT
B2RHI2	CYT	Q7MXI5	CYT	F5X8L1	CYT	peg.364	CYT	peg.443	CYT	peg.1097	CYT	peg.294	CYT
B2RI95	IM TM	Q7MUH6	IM TM	F5X9E2	IM TM	peg.14	IM TM	peg.975	IM TM	peg.2007	IM TM	peg.1706	IM TM
B2RHL6	CYT	Q7MXF6	CYT	F5X8Q4	CYT	peg.1007	CYT	peg.733	CYT	peg.2117	CYT	peg.1386	CYT
B2RIV3	CYT	P0C939	CYT	F5XCW3	CYT	peg.2000	CYT	peg.1067	CYT	peg.1895	CYT	peg.734	CYT
B2RII9	CYT	Q7MWI7	CYT	F5XC68	CYT	peg.1204	CYT	peg.1596	CYT	peg.204	CYT	peg.1143	CYT
B2RM62	CYT	Q7MTG8	CYT	F5X804	CYT	peg.1882	CYT	peg.1526	CYT	peg.1706	CYT	peg.675	CYT
B2RKS1	CYT	Q7MWR7	CYT	F5XBF9	CYT	peg.596	CYT	peg.1561	CYT	peg.121	CYT	peg.450	CYT
B2RME4	CYT	Q7MXT6	CYT	F5X890	CYT	peg.1395	CYT	peg.26	CYT	peg.1515	CYT	peg.1176	CYT
B2RL77	CYT	Q7MX57	CYT	F5XBS7	CYT	peg.420	CYT	peg.256	CYT	peg.38	CYT	peg.880	CYT
B2RJW0	CYT	Q7MUX8	CYT	F5XD85	CYT	peg.132	CYT	peg.745	CYT	peg.1354	CYT	peg.1667	CYT
B2RJN1	CYT	P77925	CYT	F5X9I9	CYT	peg.297	CYT	peg.1127	CYT	peg.1678	CYT	peg.340	CYT
B2RIY8	CYT	Q7MW54	CYT	F5XD00	CYT	peg.1244	CYT	peg.1260	CYT	peg.483	CYT	peg.697	CYT
B2RI67	CYT	Q7MUF7	CYT	F5X9B4	CYT	peg.40	CYT	peg.1002	CYT	peg.518	CYT	peg.2022	CYT
B2RHF5	CYT	Q7MXK7	CYT	F5X8I2	CYT	peg.1752	CYT	peg.417	CYT	peg.1650	CYT	peg.321	CYT
B2RJD6	CYT	Q7MVQ5	CYT	F5X9T5	CYT	peg.247	CYT	peg.638	CYT	peg.239	CYT	peg.2083	CYT
B2RHN4	CYT	Q7MXD8	CYT	F5X8S9	CYT	peg.960	CYT	peg.710	CYT	peg.1226	CYT	peg.1563	CYT
B2RHK7	CYT	Q7MXG0	CYT	F5X8P5	CYT	peg.1649	CYT	peg.472	CYT	peg.440	CYT	peg.1379	CYT
B2RH34	CYT	Q7MTI71	CYT	F5XAY2	CYT	peg.1345	CYT	peg.1467	CYT	peg.674	CYT	peg.957	CYT
B2RH32	CYT	Q7MTI73	CYT	F5XAY4	CYT	peg.1347	CYT	peg.1469	CYT	peg.672	CYT	peg.955	CYT
B2RMB4	CYT	Q7MTC4	CYT	F5X860	CYT	peg.1365	CYT	peg.57	CYT	peg.1572	CYT	peg.1235	CYT
B2RHJ3	CYT	Q7MXH4	CYT	F5X8M7	CYT	peg.1633	CYT	peg.455	CYT	peg.455	CYT	peg.283	CYT
B2RHC6	PERI	Q7MXN3	PERI	F5X8F3	PERI	peg.1270	PERI	peg.388	PERI	peg.153	PERI	peg.1780	PERI
B2RHK5	CYT	Q7MXG2	CYT	F5X8P3	CYT	peg.1647	CYT	peg.470	CYT	peg.442	CYT	peg.1377	CYT
B2RKL9	CYT	Q7MV41	CYT	G1UBV1	CYT	peg.1686	CYT	peg.1289	CYT	peg.1413	CYT	peg.2000	CYT
B2RML0	CYT	Q7MSY7	CYT	F5XDK9	CYT	peg.1025	CYT	peg.1877	CYT	peg.768	CYT	peg.186	CYT
B2RMA3	CYT	Q7MTD4	CYT	F5X849	CYT	peg.1819	CYT	peg.72	CYT	peg.1834	CYT	peg.1222	CYT
B2RHH0	IM TM	Q7MXJ6	OM LP	F5X8J6	OM LP	peg.374	IM TM	peg.432	IM TM	peg.1086	IM TM	peg.305	ECP
B2RGR3	OM LP	P49008	OM LP	F5X7C8	OM LP	peg.1577	OM LP	peg.1917	OM LP	peg.960	CYT	peg.1281	CYT
B2RKV0	PorSS	Q7MWU2	PorSS	F5XBC6	PorSS	peg.569	PorSS	peg.2041	PorSS	peg.1745	PorSS	peg.1202	PorSS
B2RH48	CYT	Q7MTI60	CYT	F5XAW9	CYT	peg.1330	CYT	peg.1451	CYT	peg.800	CYT	peg.970	CYT
B2RHR2	CYT	Q7MU37	CYT	F5X8V8	PERI	peg.986	CYT	peg.1342	CYT	peg.1250	CYT	peg.1725	CYT
B2RIJ9	CYT	Q7MUV1	CYT	F5X9N5	CYT	peg.343	CYT	peg.145	CYT	peg.902	CYT	peg.383	CYT
B2RLF2	CYT	Q7MXB9	CYT	F5XB66	CYT	peg.710	CYT	peg.188	CYT	peg.820	CYT	peg.235	CYT
B2RLQ3	ECP	Q7MTU5	ECP	F5X7J7	ECP	peg.1065	ECP	peg.1704	ECP	peg.90	ECP	peg.1983	ECP

B2RIW5	CYT	Q7MW8o	CYT	F5XCX6	CYT	peg.1220	CYT	peg.1236	CYT	peg.457	CYT	peg.720	CYT
B2RJG8	IM LP	Q7MVT4	IM TM	F5X9Q5	IM LP	peg.395	OM LP	peg.1973	OM LP	peg.272	IM LP	peg.1467	IM LP
B2RJ63	IM TM	Q7MUS4	IM TM	F5XCN7	IM TM	peg.828	IM TM	peg.855	IM TM	peg.64	IM TM	peg.1551	IM TM
B2RH22	CYT	Q7MT84	IM TM	F5XAZ5	IM TM	peg.1360	IM TM	peg.1480	IM TM	peg.660	IM TM	peg.943	IM TM
B2RJ56	IM TM	Q7MUT1	IM TM	F5XCP4	IM TM	peg.820	IM TM	peg.862	IM TM	peg.71	IM TM	peg.1559	IM TM
B2RGX3	PERI	Q7MT11	PERI	F5X7D5	ECP	peg.1571	PERI	peg.1923	PERI	peg.1146	PERI	peg.836	PERI
B2RI91	CYT	P59916	CYT	F5X9D8	CYT	peg.18	CYT	peg.979	CYT	peg.2003	CYT	peg.1710	CYT
B2RI13	PERI	Q7MU99	PERI	F5X960	PERI	peg.1420	PERI	peg.1568	PERI	peg.1543	PERI	peg.918	PERI
B2RLK8	IM TM	Q7MTU9	IM TM	F5X7E7	IM TM	peg.1543	IM TM	peg.2060	IM TM	peg.2111	IM TM	peg.1021	IM TM
B2RHS2	IM TM	Q7MU47	IM TM	F5X8X1	IM TM	peg.995	IM TM	peg.1351	IM TM	peg.1259	IM TM	peg.1716	IM TM
B2RH27	CYT	Q7MT78	CYT	F5XAZo	CYT	peg.1353	CYT	peg.1474	CYT	peg.667	CYT	peg.949	CYT
B2RL11	PERI	Q7MUo8	PERI	F5XB37	PERI	peg.1945	PERI	peg.161	PERI	peg.957	PERI	peg.1441	PERI
B2RKV8	CYT	Q7MWV0	CYT	F5XBB7	CYT	peg.562	CYT	peg.2032	CYT	peg.1635	CYT	peg.1117	CYT
B2RJK5	CYT	Q7MVW4	CYT	F5X9L8	CYT	peg.326	CYT	peg.1097	CYT	peg.918	CYT	peg.367	CYT
B2RLR3	CYT	Q7MIT5	CYT	F5X7K9	CYT	peg.1075	CYT	peg.1694	CYT	peg.100	CYT	peg.1973	CYT
B2RHZ3	CYT	Q7MUB2	CYT	F5X940	CYT	peg.1402	CYT	peg.1763	CYT	peg.1583	CYT	peg.2057	CYT
B2RLQ1	PERI	Q7MTY9	PERI	F5X7J4	PERI	peg.1960	PERI	peg.793	PERI	peg.421	PERI	peg.1065	PERI
B2RM77	OM	F5HFX8	OM	F5X819	OM	peg.1869	OM	peg.1539	OM	peg.1693	OM	peg.688	OM
B2RI14	IM TM	Q7MU98	IM TM	F5X961	IM TM	peg.1421	IM TM	peg.1567	IM TM	peg.1542	IM TM	peg.917	IM TM
B2RM66	ECP	Q7MTG4	ECP	F5X808	ECP	peg.1878	ECP	peg.1530	ECP	peg.1702	ECP	peg.679	ECP
B2RLV3	IM TM	Q7MTP8	IM TM	F5X7Q5	IM TM	peg.882	IM TM	peg.1748	IM TM	peg.83	IM TM	peg.1497	IM TM
B2RGZ7	PERI	Q7MT25	PERI	F5XAS2	PERI	peg.1554	PERI	peg.1940	PERI	peg.1164	PERI	peg.1316	PERI
B2RJY7	CYT	Q7MVJ4	CYT	F5XAG6	CYT	peg.811	CYT	peg.492	CYT	peg.307	CYT	peg.1629	CYT
B2RHY5	CYT	Q7MU90	CYT	F5X932	PERI	peg.1758	PERI	peg.1182	PERI	peg.1070	PERI	peg.2066	PERI
B2RMC8	IM TM	Q7MXV1	IM TM	F5X875	IM TM	peg.1379	IM TM	peg.43	IM TM	peg.1499	IM TM	peg.1191	IM TM
B2RKo8	CYT	Q7MVH5	CYT	F5XAE6	CYT	peg.790	CYT	peg.514	CYT	peg.285	CYT	peg.1991	CYT
B2RL73	CYT	Q7MX53	CYT	F5XBT1	CYT	peg.424	CYT	peg.260	CYT	peg.34	CYT	peg.884	CYT
B2RK12	OM LP	Q7MVH1	CYT	F5XAE1	OM LP	peg.785	OM LP	peg.518	OM LP	peg.683	OM LP	peg.1986	OM LP
B2RH44	CYT	Q7MT63	CYT	F5XAX2	CYT	peg.1334	CYT	peg.1456	CYT	peg.796	CYT	peg.967	CYT
B2RK97	IM TM	Q7MT15	IM TM	F5X7Eo	IM TM	peg.1567	IM TM	peg.1927	IM TM	peg.1150	IM TM	peg.840	IM TM
B2RHS1	CYT	Q7MU46	CYT	F5X8Xo	CYT	peg.994	CYT	peg.1350	CYT	peg.1258	CYT	peg.1717	CYT
B2RLB9	CYT	Q7MX92	CYT	F5XBPo	CYT	peg.740	CYT	peg.218	CYT	peg.850	CYT	peg.265	CYT
B2RH16	IM TM	Q7MXI1	IM TM	F5X8L5	IM TM	peg.360	IM TM	peg.447	IM TM	peg.1101	IM TM	peg.290	IM TM
B2RMK9	CYT	Q7MSY8	CYT	F5XDK8	CYT	peg.1024	CYT	peg.1876	CYT	peg.769	CYT	peg.185	CYT
B2RKV6	CYT	Q7MWU9	CYT	F5XBB8	CYT	peg.564	CYT	peg.2035	CYT	peg.1639	CYT	peg.1119	CYT
B2RME5	CYT	Q7MXT5	CYT	F5X891	CYT	peg.1396	CYT	peg.25	CYT	peg.1516	CYT	peg.1175	CYT
B2RL01	CYT	Q7MWZ5	CYT	F5XC06	CYT	peg.515	CYT	peg.336	CYT	peg.1864	CYT	peg.1072	CYT

B2RGR1	CYT	Q7MXW2	CYT	F5X7C6	CYT	peg.1579	CYT	peg.1915	CYT	peg.962	CYT	peg.1279	CYT
B2RKV5	IM TM	Q7MWU8	IM TM	F5XBB9	IM TM	peg.565	IM TM	peg.2036	IM TM	peg.1640	IM TM	peg.1120	IM TM
B2RJK2	CYT	Q7MVW2	CYT	F5X9M2	CYT	peg.330	CYT	peg.132	CYT	peg.915	CYT	peg.370	CYT
B2RI83	CYT	Q7MUH0	CYT	F5X9D1	CYT	peg.25	CYT	peg.986	CYT	peg.503	CYT	peg.2037	CYT
B2RHJ5	PERI	Q7MXH2	PERI	F5X8M9	PERI	peg.1635	PERI	peg.457	PERI	peg.453	PERI	peg.281	PERI
B2RHR3	CYT	Q7MU38	CYT	F5X8V9	CYT	peg.987	CYT	peg.1343	CYT	peg.1251	CYT	peg.1724	CYT
B2RIX2	CYT	Q7MW71	CYT	F5XCY3	CYT	peg.1228	CYT	peg.1243	CYT	peg.466	CYT	peg.714	CYT
B2RK46	CYT	Q7MVE2	CYT	F5XAB5	CYT	peg.1955	CYT	peg.548	CYT	peg.730	CYT	peg.24	CYT
B2RK58	CYT	Q7MVD3	CYT	F5XAA2	CYT	peg.1778	CYT	peg.559	CYT	peg.741	CYT	peg.38	CYT
B2RM72	CYT	Q7MTF8	CYT	F5X814	CYT	peg.1872	CYT	peg.1536	CYT	peg.1696	CYT	peg.685	CYT
B2RLS9	CYT	Q7MTR6	CYT	F5X7M6	CYT	peg.864	CYT	peg.1786	CYT	peg.1119	CYT	peg.1951	CYT
B2RKH5	CYT	Q7MVP6	CYT	F5X9U9	CYT	peg.240	CYT	peg.646	CYT	peg.232	CYT	peg.136	CYT
B2RJD3	CYT	Q7MVQ1	CYT	F5X9U3	CYT	peg.243	CYT	peg.641	CYT	peg.235	CYT	peg.2087	CYT
B2RKP6	CYT	Q7MV84	ECP	F5XBI4	ECP	peg.1861	ECP	peg.1833	ECP	peg.976	ECP	peg.2116	ECP
B2RKL5	CYT	Q7MV44	CYT	F5XAQ1	CYT	peg.1688	CYT	peg.1291	CYT	peg.1415	CYT	peg.1540	CYT
B2RHF6	OM LP	Q7MXK6	OM LP	F5X8I3	CYT	peg.1751	OM LP	peg.418	OM LP	peg.1649	OM LP	peg.320	OM LP
B2RMD3	CYT	Q7MXU6	IM LP	F5X880	CYT	peg.1384	CYT	peg.38	IM LP	peg.1504	IM LP	peg.1186	IM LP
B2RM97	IM TM	Q7MTE0	IM TM	F5X842	IM TM	peg.1813	IM TM	peg.78	IM TM	peg.1828	IM TM	peg.1216	IM TM
B2RJH0	PERI	Q7MVT5	PERI	F5X9Q4	PERI	peg.396	PERI	peg.1974	PERI	peg.273	PERI	peg.1468	PERI
B2RLJ8	CYT	Q7MTZ3	CYT	F5XB20	CYT	peg.1928	CYT	peg.1810	CYT	peg.2139	CYT	peg.1425	CYT
B2RL43	IM TM	Q7MUD5	IM TM	F5X990	IM TM	peg.1450	IM TM	peg.705	IM TM	peg.544	IM TM	peg.560	IM TM
B2RHF9	CYT	Q7MXK3	unknown	F5X816	CYT	peg.1747	CYT	peg.422	CYT	peg.1645	CYT	peg.316	CYT
B2RM90	IM TM	Q7MTE5	IM TM	F5X835	IM TM	peg.1599	IM TM	peg.947	IM TM	peg.2060	IM TM	peg.2005	IM TM
B2RJS1	OM LP	Q7MV09	PERI	F5XDC8	PERI	peg.2062	OM LP	peg.1499	OM LP	peg.432	OM LP	peg.1812	OM LP
B2RLD8	CYT	Q7MXA9	CYT	F5XB79	CYT	peg.722	CYT	peg.200	CYT	peg.833	CYT	peg.247	CYT
B2RM96	CYT	Q7MTE1	CYT	F5X841	CYT	peg.1812	CYT	peg.79	CYT	peg.1827	CYT	peg.1215	CYT
B2RKH7	CYT	Q7MVP8	CYT	F5X9U6	CYT	peg.242	CYT	peg.643	CYT	peg.234	CYT	peg.139	CYT
B2RLJ6	IM TM	Q7MW11	IM TM	F5XC77	IM TM	peg.1196	IM TM	peg.1606	IM TM	peg.211	IM TM	peg.1135	IM TM
B2RJY8	CYT	Q7MVJ3	CYT	F5XAG5	CYT	peg.810	CYT	peg.493	CYT	peg.306	CYT	peg.1628	CYT
B2RKZ3	CYT	Q7MWY6	CYT	F5XC16	CYT	peg.525	CYT	peg.345	CYT	peg.1855	CYT	peg.1081	CYT
B2RIK0	CYT	P60093	CYT	F5XC81	CYT	peg.1192	CYT	peg.1610	CYT	peg.215	CYT	peg.1131	CYT
B2RHQ3	IM TM	Q7MU30	IM TM	F5X8V0	IM TM	peg.978	IM TM	peg.1334	IM TM	peg.1242	IM TM	peg.1733	IM TM
B2RJ55	IM TM	Q7MUT2	IM TM	F5XCP5	IM TM	peg.819	IM TM	peg.863	IM TM	peg.72	IM TM	peg.1560	IM TM
B2RMH4	CYT	Q7MTA4	CYT	F5XDH2	CYT	peg.927	CYT	peg.1433	CYT	peg.1601	CYT	peg.1800	CYT
B2RJX8	CYT	Q7MUW0	CYT	F5XCT7	CYT	peg.154	CYT	peg.763	CYT	peg.1374	CYT	peg.1647	CYT
B2RJL0	CYT	Q7MVW9	CYT	F5X9L3	CYT	peg.321	CYT	peg.1102	CYT	peg.923	CYT	peg.362	CYT
B2RIX1	CYT	Q7MW72	CYT	F5XCY1	CYT	peg.1227	CYT	peg.1242	CYT	peg.465	CYT	peg.715	CYT

B2RKK2	CYT	Q7MV55	CYT	F5XAN6	CYT	peg.1699	CYT	peg.1705	CYT	peg.1427	CYT	peg.1924	CYT
B2RKG3	CYT	Q7MVN5	CYT	F5X9W2	ECP	peg.227	CYT	peg.2014	CYT	peg.340	CYT	peg.124	ECP
B2RK11	IM TM	Q7MV72	IM TM	F5XAL4	IM TM	peg.1723	IM TM	peg.1726	IM TM	peg.1448	IM TM	peg.144	IM TM
B2RI89	CYT	Q7MUH3	CYT	F5X9D6	CYT	peg.20	CYT	peg.981	CYT	peg.2001	CYT	peg.1712	CYT
B2RJA1	CYT	Q7MV85	CYT	F5XAJ9	CYT	peg.1984	CYT	peg.788	CYT	peg.604	CYT	peg.1613	CYT
B2RIL4	CYT	Q7MWG6	CYT	F5XC96	CYT	peg.1176	CYT	peg.1627	CYT	peg.1989	CYT	peg.830	CYT
B2RH10	IM TM	Q7MX17	IM TM	F5X8K9	IM TM	peg.366	IM TM	peg.441	IM TM	peg.1095	IM TM	peg.296	IM TM
B2RJ61	CYT	Q7MUS6	CYT	F5XCN8	CYT	peg.827	CYT	peg.857	CYT	peg.65	CYT	peg.1552	CYT
B2RJT2	CYT	Q7MV00	CYT	F5XDB6	CYT	peg.101	CYT	peg.104	CYT	peg.2151	CYT	peg.1265	CYT
B2RI78	IM TM	Q7MUG6	IM TM	F5X9C6	IM TM	peg.30	IM TM	peg.991	IM TM	peg.508	IM TM	peg.2032	IM TM
B2RKV4	IM TM	Q7MWU7	IM TM	F5XBCo	IM TM	peg.566	IM TM	peg.2037	IM TM	peg.1641	IM TM	peg.1121	IM TM
B2RHV5	IM TM	Q7MU75	IM TM	F5X909	IM TM	peg.1625	IM TM	peg.1855	IM TM	peg.613	IM TM	peg.1868	IM TM
B2RMJ3	CYT	Q7MT05	PERI	F5XDJo	PERI	peg.909	CYT	peg.1415	PERI	peg.784	PERI	peg.169	PERI
B2RIR9	CYT	Q7MWB9	CYT	F5XCF1	CYT	peg.1116	CYT	peg.1030	CYT	peg.1932	CYT	peg.774	CYT
B2RKE4	IM TM	Q7MVM0	IM TM	F5X9Yo	IM TM	peg.214	IM TM	peg.1211	IM TM	peg.360	IM TM	peg.106	IM TM
B2RLM9	CYT	Q7MTX1	CYT	F5X7G9	CYT	peg.1521	CYT	peg.816	CYT	peg.1781	CYT	peg.1043	CYT
B2RIH2	CYT	Q7MWK5	ECP	F5XC48	CYT	peg.1216	CYT	peg.1580	CYT	peg.190	CYT	peg.1159	CYT
B2RJ78	unknown	Q7MUR1	IM TM	F5XCL8	IM TM	peg.8	IM TM	peg.842	IM TM	peg.495	IM TM	peg.2089	IM TM
B2RKE1	PorSS	Q7MVL8	PorSS	F5X9Y2	PorSS	peg.212	PorSS	peg.1209	PorSS	peg.362	PorSS	peg.104	PorSS
B2RHY1	CYT	Q59676	CYT	F5X928	CYT	peg.1754	CYT	peg.1175	CYT	peg.1065	CYT	peg.1412	CYT
B2RMH7	CYT	Q7MTA7	CYT	F5XDH5	CYT	peg.924	CYT	peg.1430	CYT	peg.1604	CYT	peg.1803	CYT
B2RIP0	IM TM	Q7MWE2	IM TM	F5XCC2	IM TM	peg.1146	IM TM	peg.1655	IM TM	peg.1961	IM TM	peg.804	IM TM
B2RLH8	CYT	Q7MAV6	CYT	F5XB40	CYT	peg.1948	CYT	peg.164	CYT	peg.954	CYT	peg.1444	CYT
B2RIP7	CYT	Q7MWD5	CYT	F5XCDo	CYT	peg.1139	CYT	peg.1661	CYT	peg.1954	CYT	peg.797	CYT
B2RIT9	CYT	Q7MW98	CYT	F5XCH3	CYT	peg.2014	CYT	peg.1053	CYT	peg.1910	CYT	peg.749	CYT
B2RL42	CYT	Q7MX25	CYT	F5XBW5	CYT	peg.457	CYT	peg.294	CYT	peg.1014	CYT	peg.504	CYT
B2RKJ7	CYT	Q7MV58	CYT	F5XAN1	CYT	peg.1705	CYT	peg.1710	CYT	peg.1433	CYT	peg.1929	CYT
B2RHC1	IM TM	Q7MXN8	IM TM	F5X8E8	IM TM	peg.1265	IM TM	peg.383	IM TM	peg.158	IM TM	peg.1775	IM TM
B2RKP2	CYT	Q7MWP8	CYT	F5XBI8	CYT	peg.1858	CYT	peg.1830	CYT	peg.971	CYT	peg.2119	CYT
B2RM31	PERI	Q7MTI2	PERI	F5X7Y7	PERI	peg.1887	PERI	peg.1522	PERI	peg.1758	PERI	peg.660	OM
B2RHE5	IM LP	Q7MXL5	IM LP	F5X8H2	CYT	peg.1290	CYT	peg.407	IM LP	peg.1660	CYT	peg.331	IM LP
B2RI25	PERI	Q7MUCo	PERI	F5X972	PERI	peg.1431	PERI	peg.1009	PERI	peg.563	PERI	peg.542	PERI
B2RII2	CYT	Q7MWJ5	CYT	F5XC60	CYT	peg.1211	CYT	peg.1588	CYT	peg.196	CYT	peg.1151	CYT
B2RJH9	IM TM	Q7MVU4	IM TM	F5X9P5	IM TM	peg.405	IM TM	peg.1983	IM TM	peg.282	IM TM	peg.1477	IM TM
B2RJK3	IM TM	Q7MVW3	IM TM	F5X9M1	IM TM	peg.329	IM TM	peg.131	IM TM	peg.916	IM TM	peg.369	IM TM
B2RIS8	PERI	Q7MWB0	PERI	F5XCG0	PERI	peg.1102	PERI	peg.1041	PERI	peg.1922	PERI	peg.762	PERI
B2RIS0	CYT	Q7MWB8	CYT	F5XCF2	CYT	peg.1114	CYT	peg.1032	CYT	peg.1930	CYT	peg.773	CYT



B2RKPo	PorSS	Q7MWP7	PorSS	F5XBJ3	PorSS	peg.1857	PorSS	peg.1828	PorSS	peg.338	PorSS	peg.2120	PorSS
B2RJH8	CYT	Q7MVU3	CYT	F5X9P6	CYT	peg.404	CYT	peg.1982	CYT	peg.281	CYT	peg.1476	CYT
B2RLP5	CYT	Q7MTY3	CYT	F5X7I8	CYT	peg.1966	CYT	peg.799	CYT	peg.414	CYT	peg.1059	CYT
B2RLZ7	IM TM	Q7MTK8	IM TM	F5X7V2	IM TM	peg.1892	IM TM	peg.910	IM TM	peg.2046	IM TM	peg.624	IM TM
B2RK69	CYT	Q7MVC6	CYT	F5XA92	CYT	peg.1788	CYT	peg.568	CYT	peg.750	CYT	peg.48	CYT
B2RJ34	OM LP	Q7MUU8	OM	F5XCS2	OM	peg.168	OM	peg.778	OM	peg.1389	OM LP	peg.1285	OM LP
B2RJ8o	CYT	Q7MVJ7	CYT	F5XAG9	CYT	peg.815	CYT	peg.489	CYT	peg.310	CYT	peg.1632	CYT
B2RHU8	CYT	Q7MU69	CYT	F5X90o	CYT	peg.1613	CYT	peg.1844	CYT	peg.625	CYT	peg.1875	CYT
B2RMB7	IM TM	Q7MTC1	IM TM	F5X863	IM TM	peg.1369	IM TM	peg.54	IM TM	peg.1575	IM TM	peg.1239	IM TM
B2RGQ5	IM TM	Q7MXW6	IM TM	F5X7Co	IM TM	peg.1583	IM TM	peg.1910	IM TM	peg.967	IM TM	peg.1251	IM TM
B2RLN4	CYT	Q7MTX5	CYT	F5X7H4	CYT	peg.1515	CYT	peg.81o	CYT	peg.4o4	CYT	peg.1o49	CYT
B2RLR4	CYT	Q7MTT4	CYT	F5X7Lo	CYT	peg.1o76	CYT	peg.1693	CYT	peg.1o1	CYT	peg.1972	CYT
B2RJYo	CYT	Q7MUV8	CYT	F5XCT5	CYT	peg.156	CYT	peg.765	CYT	peg.1376	CYT	peg.1645	CYT
B2RJH5	CYT	Q7MVUo	CYT	F5X9P9	CYT	peg.4o1	CYT	peg.1979	CYT	peg.278	CYT	peg.1473	CYT
B2RGY9	IM TM	Q7MTI8	IM TM	F5XAR4	IM TM	peg.1562	IM TM	peg.1932	IM TM	peg.1156	IM TM	peg.13o8	IM TM
B2RLC4	IM TM	Q7MX97	IM TM	F5XB99	IM TM	peg.735	IM TM	peg.213	IM TM	peg.845	IM TM	peg.26o	IM TM
B2RLQ9	CYT	Q7MTT9	CYT	F5X7K3	CYT	peg.1o71	CYT	peg.1698	CYT	peg.96	CYT	peg.1977	CYT
B2RMo1	OM LP	Q7MTK4	OM LP	F5X7V6	OM LP	peg.1897	OM LP	peg.9o5	OM LP	peg.2o41	OM LP	peg.629	OM LP
B2RH1o	PERI	Q7MT95	PERI	F5XBo7	PERI	peg.1o83	PERI	peg.1313	PERI	peg.877	PERI	peg.931	PERI
B2RLJ9	CYT	Q7MWH8	CYT	F5XC8o	CYT	peg.1193	CYT	peg.16o9	CYT	peg.214	CYT	peg.1132	CYT
B2RKR1	OM	Q7MWR1	OM	F5XBG7	OM	peg.6o4	OM	peg.1553	OM	peg.113	OM	peg.457	OM
B2RLN2	IM TM	Q7MTX3	IM TM	F5X7H2	IM TM	peg.1517	IM TM	peg.812	IM TM	peg.4o2	IM TM	peg.1o47	IM TM
B2RI61	CYT	Q7MAV9	IM TM	F5X9A8	CYT	peg.1469	CYT	peg.685	CYT	peg.524	CYT	peg.2o16	CYT
B2RLS1	IM TM	Q7MTS5	IM TM	F5X7L7	IM TM	peg.856	IM TM	peg.1794	IM TM	peg.111o	IM TM	peg.1961	IM TM
B2RM61	CYT	Q7MTG9	CYT	F5X8o3	CYT	peg.1883	CYT	peg.1525	CYT	peg.17o7	CYT	peg.674	CYT
B2RL99	CYT	Q7MX76	CYT	F5XBQ8	CYT	peg.76o	CYT	peg.236	CYT	peg.59	CYT	peg.862	CYT
B2RIS1	CYT	Q7MWB7	CYT	F5XCF3	CYT	peg.1113	CYT	peg.1o33	CYT	peg.1929	CYT	peg.772	CYT
B2RKo4	IM TM	Q7MVH8	IM TM	F5XAfo	IM TM	peg.794	IM TM	peg.51o	IM TM	peg.29o	IM TM	peg.1995	IM TM
B2RK32	CYT	Q7MVE7	CYT	F5XAC1	CYT	peg.1925	CYT	peg.541	CYT	peg.723	CYT	peg.18	CYT
B2RI4o	CYT	Q7MUD2	CYT	F5X987	CYT	peg.1445	CYT	peg.1965	CYT	peg.547	CYT	peg.557	CYT
B2RMoo	IM TM	Q7MTK5	IM TM	F5X7V5	IM TM	peg.1896	IM TM	peg.9o6	IM TM	peg.2o42	IM TM	peg.628	IM TM
B2RKR5	CYT	Q7MWR3	CYT	F5XBG4	CYT	peg.6o1	CYT	peg.1556	CYT	peg.116	CYT	peg.455	CYT
B2RMF1	OM LP	Q7MXS9	IM TM	F5X896	ECP	peg.2o43	IM TM	peg.2o	IM TM	peg.1521	IM TM	peg.1171	OM LP
B2RJR9	CYT	Q7MV11	CYT	F5XDDo	CYT	peg.2o64	CYT	peg.15o1	CYT	peg.43o	CYT	peg.1814	CYT
B2RHA8	CYT	Q7MXQo	CYT	F5X8D4	CYT	peg.1o62	CYT	peg.37o	CYT	peg.172	CYT	peg.1761	CYT
B2RHW8	OM	Q7MU8o	OM	F5X918	OM	peg.1831	OM	peg.1164	OM	peg.1o54	OM	peg.14o1	OM
B2RK75	CYT	Q7MVC4	CYT	F5XA85	CYT	peg.179o	CYT	peg.57o	CYT	peg.751	CYT	peg.53	CYT

B2RL82	PERI	Q7MX62	PERI	F5XBS1	CYT	peg.415	CYT	peg.250	CYT	peg.43	CYT	peg.875	PERI
B2RJ17	CYT	Q7MVU9	CYT	F5X9N7	CYT	peg.345	CYT	peg.147	CYT	peg.900	CYT	peg.385	CYT
B2RK50	CYT	Q7MVD9	CYT	F5XAB1	CYT	peg.1959	CYT	peg.552	CYT	peg.734	CYT	peg.28	CYT
B2RL21	PERI	Q7MX07	PERI	F5XBY5	ECP	peg.495	PERI	peg.314	PERI	peg.994	PERI	peg.483	PERI
B2RGN3	PERI	Q7MXY3	PERI	F5X7A0	PERI	peg.1038	PERI	peg.1890	PERI	peg.1036	PERI	peg.200	PERI
B2RI71	CYT	Q7MUG1	CYT	F5X9B8	CYT	peg.36	CYT	peg.998	CYT	peg.514	CYT	peg.2026	CYT
B2RH25	OM LP	Q7MT79	PERI	F5XAZ2	ECP	peg.1355	OM LP	peg.1476	OM LP	peg.665	OM LP	peg.947	OM LP
B2RJS8	CYT	Q7MV04	CYT	F5XDC0	CYT	peg.97	CYT	peg.100	CYT	peg.2147	CYT	peg.1269	CYT
B2RKG8	IM TM	Q7MVN9	IM TM	F5X9V7	IM TM	peg.233	IM TM	peg.654	IM TM	peg.225	IM TM	peg.129	IM TM
B2RLC7	PERI	Q7MXA0	PERI	F5XB96	PERI	peg.732	PERI	peg.210	PERI	peg.842	PERI	peg.257	PERI
B2RH74	PERI	Q7MT39	PERI	F5XAU2	CYT	peg.946	CYT	peg.1436	CYT	peg.1181	CYT	peg.996	PERI
B2RJ57	IM TM	Q7MUT0	IM TM	F5XCP3	IM TM	peg.821	IM TM	peg.861	IM TM	peg.70	IM TM	peg.1558	IM TM
B2RJY9	CYT	Q7MVJ2	CYT	F5XAG4	CYT	peg.809	CYT	peg.494	CYT	peg.305	CYT	peg.1627	CYT
B2RJG5	IM TM	Q7MVT1	IM TM	F5X9Q8	IM TM	peg.392	IM TM	peg.1970	IM TM	peg.269	IM TM	peg.1464	IM TM
B2RJK8	CYT	Q7MVW7	CYT	F5X9L5	CYT	peg.323	CYT	peg.1100	CYT	peg.921	CYT	peg.364	CYT
B2RLU0	OM LP	Q7MTQ7	OM LP	F5X7N6	OM LP	peg.873	OM LP	peg.1776	OM LP	peg.1128	OM LP	peg.1941	OM LP
B2RM64	CYT	Q7MTG6	CYT	F5X806	CYT	peg.1880	CYT	peg.1528	CYT	peg.1704	CYT	peg.677	CYT
B2RKY5	IM TM	Q7MWX8	IM TM	F5XC24	IM TM	peg.533	IM TM	peg.353	IM TM	peg.1847	IM TM	peg.1089	IM TM
B2RJT1	IM TM	Q7MV01	IM TM	F5XDB7	IM TM	peg.100	IM TM	peg.103	IM TM	peg.2150	IM TM	peg.1266	IM TM
B2RGZ9	CYT	Q7MT26	CYT	F5XAS4	CYT	peg.1553	CYT	peg.1941	CYT	peg.1165	CYT	peg.1317	CYT
B2RIU7	CYT	Q7MW91	CYT	F5XC11	CYT	peg.2006	CYT	peg.1061	CYT	peg.1902	CYT	peg.740	CYT
B2RKY6	IM TM	Q7MWX9	CYT	F5XC23	CYT	peg.532	CYT	peg.352	CYT	peg.1848	IM TM	peg.1088	IM TM
B2RI11	IM TM	Q7MAV8	IM TM	F5X958	IM TM	peg.1418	IM TM	peg.1570	IM TM	peg.1545	IM TM	peg.920	IM TM
B2RLS2	CYT	Q7MTS3	CYT	F5X7L9	CYT	peg.858	CYT	peg.1792	CYT	peg.1112	CYT	peg.1959	CYT
B2RL79	IM TM	Q7MX59	IM TM	F5XBS5	IM TM	peg.418	PERI	peg.254	PERI	peg.40	IM TM	peg.878	PERI
B2RJY3	PERI	Q7MUV5	CYT	F5XCT2	CYT	peg.159	CYT	peg.768	CYT	peg.1379	CYT	peg.1642	PERI
B2RJJ4	CYT	Q7MVV5	CYT	F5X9N0	CYT	peg.338	CYT	peg.140	CYT	peg.907	CYT	peg.378	CYT
B2RGM8	CYT	Q7MXY8	CYT	F5X793	CYT	peg.1033	CYT	peg.1885	CYT	peg.760	CYT	peg.194	CYT
B2RI38	OM LP	Q7MUD0	OM LP	F5X985	OM LP	peg.1443	OM LP	peg.1963	OM LP	peg.549	OM LP	peg.555	OM LP
B2RIK4	IM TM	Q7MWH3	IM TM	F5XC85	IM TM	peg.1188	IM TM	peg.1614	IM TM	peg.219	IM TM	peg.1127	IM TM
B2RLT0	CYT	Q7MTR5	CYT	F5X7M7	CYT	peg.865	CYT	peg.1785	CYT	peg.1120	CYT	peg.1950	CYT
B2RLS6	CYT	Q7MTR9	CYT	F5X7M3	CYT	peg.861	CYT	peg.1789	CYT	peg.1116	CYT	peg.1954	CYT
B2RKX4	IM TM	Q7MWW5	IM TM	F5XC38	IM TM	peg.543	IM TM	peg.1990	IM TM	peg.1208	IM TM	peg.1100	IM TM
B2RL91	ECP	Q7MX70	ECP	F5XBR3	CYT	peg.408	ECP	peg.243	ECP	peg.52	ECP	peg.868	ECP
B2RIL2	CYT	Q7MWG8	CYT	F5XC94	CYT	peg.1178	CYT	peg.1625	CYT	peg.1991	CYT	peg.2135	CYT
B2RLG8	PERI	Q7MU18	PERI	F5XB50	PERI	peg.694	ECP	peg.173	ECP	peg.805	PERI	peg.220	PERI
B2RLI6	CYT	Q7MU03	CYT	F5XB32	CYT	peg.1939	CYT	peg.156	CYT	peg.2127	CYT	peg.1436	CYT

B2RJW3	CYT	Q7MUX5	CYT	F5XCV5	CYT	peg.135	CYT	peg.748	CYT	peg.1357	CYT	peg.1664	CYT
B2RIZ2	IM TM	Q7MW50	IM TM	F5XD05	IM TM	peg.1248	IM TM	peg.1264	IM TM	peg.487	IM TM	peg.693	IM TM
B2RJH6	CYT	Q7MVU1	CYT	F5X9P8	CYT	peg.402	CYT	peg.1980	CYT	peg.279	CYT	peg.1474	CYT
B2RJ67	CYT	Q7MUS2	CYT	F5XCNo	CYT	peg.834	CYT	peg.850	CYT	peg.2142	CYT	peg.1547	CYT
B2RHN1	CYT	Q7MXE2	CYT	F5X8S4	CYT	peg.956	CYT	peg.714	CYT	peg.1223	CYT	peg.1567	CYT
B2RIV5	CYT	Q7MWS5	CYT	F5XCW6	CYT	peg.1998	CYT	peg.1069	CYT	peg.1892	CYT	peg.731	CYT
B2RIW9	PERI	Q7MW76	ECP	F5XCY0	PERI	peg.1226	PERI	peg.1241	PERI	peg.463	PERI	peg.716	PERI
B2RJV8	CYT	Q7MUY0	CYT	F5XD87	CYT	peg.130	CYT	peg.743	CYT	peg.1352	CYT	peg.1669	CYT
B2RI73	CYT	Q7MUG3	CYT	F5X9Co	CYT	peg.34	CYT	peg.996	CYT	peg.512	CYT	peg.2028	CYT
B2RIJ2	CYT	Q7MWI3	CYT	F5XC73	CYT	peg.1200	CYT	peg.1602	CYT	peg.207	CYT	peg.1139	CYT
B2RKD5	IM TM	Q7MVL3	IM TM	F5X9Y8	IM TM	peg.205	IM TM	peg.1202	IM TM	peg.369	IM TM	peg.90	IM TM
B2RHU2	PERI	Q7MU63	PERI	F5X8Z4	PERI	peg.1607	PERI	peg.1838	PERI	peg.631	PERI	peg.1881	PERI
B2RJH7	CYT	Q7MVU2	CYT	F5X9P7	CYT	peg.403	CYT	peg.1981	CYT	peg.280	CYT	peg.1475	CYT
B2RMC0	CYT	Q7MTB8	CYT	F5X866	CYT	peg.1372	CYT	peg.50	CYT	peg.1578	CYT	peg.1242	CYT
B2RME2	CYT	Q7MXT8	CYT	F5X888	CYT	peg.1393	CYT	peg.28	CYT	peg.1513	CYT	peg.1178	CYT
B2RLG4	PERI	Q7MU22	PERI	F5XB54	PERI	peg.698	PERI	peg.177	PERI	peg.809	PERI	peg.224	PERI
B2RHU0	CYT	Q7MU61	CYT	F5X8Z2	CYT	peg.1604	CYT	peg.1836	CYT	peg.634	CYT	peg.1884	CYT
B2RLP2	OM LP	Q7MTY1	IM LP	F5X7I2	IM TM	peg.1969	IM LP	peg.802	IM LP	peg.411	IM LP	peg.1056	OM LP
B2RH31	CYT	Q7MT74	CYT	F5XAY5	unknown	peg.1348	CYT	peg.1470	CYT	peg.671	CYT	peg.954	CYT
B2RI10	PERI	Q7MUA1	PERI	F5X957	PERI	peg.1417	PERI	peg.1571	PERI	peg.1546	PERI	peg.921	PERI
B2RKX6	OM LP	Q7MWW7	CYT	F5XC36	OM LP	peg.541	OM LP	peg.1992	OM LP	peg.1210	OM LP	peg.1098	OM LP
B2RI96	IM TM	Q7MUH7	IM TM	F5X9E3	unknown	peg.13	IM TM	peg.974	IM TM	peg.2008	IM TM	peg.1705	IM TM
B2RKX2	CYT	Q7MWW3	CYT	F5XC41	CYT	peg.546	CYT	peg.2017	CYT	peg.1619	CYT	peg.1102	CYT
B2RI80	IM TM	Q7MUG8	IM TM	F5X9C8	IM TM	peg.28	IM TM	peg.989	IM TM	peg.506	IM TM	peg.2034	IM TM
B2RKW5	PERI	Q7MWW7	PERI	F5XBB0	PERI	peg.555	PERI	peg.2025	PERI	peg.1628	PERI	peg.1110	PERI
B2RJL8	CYT	Q7MVX7	CYT	F5X9K5	CYT	peg.310	CYT	peg.1112	CYT	peg.933	CYT	peg.353	CYT
B2RLR5	ECP	Q7MIT3	ECP	F5X7L1	ECP	peg.1077	ECP	peg.1692	ECP	peg.102	ECP	peg.1971	ECP
B2RKS3	CYT	Q7MWR9	CYT	F5XBP7	CYT	peg.594	CYT	peg.1672	CYT	peg.123	CYT	peg.447	CYT
B2RH78	PERI	Q7MT35	PERI	F5XAT8	PERI	peg.950	PERI	peg.1440	PERI	peg.1177	PERI	peg.1000	PERI
B2RIN9	OM	Q7MWE3	OM	F5XCC1	OM	peg.1147	OM	peg.1654	OM	peg.1962	OM	peg.805	OM
B2RKY3	IM TM	Q7MWX6	IM TM	F5XC26	IM TM	peg.535	IM TM	peg.355	IM TM	peg.1845	IM TM	peg.1091	IM TM
B2RL87	CYT	Q7MX66	CYT	F5XBR7	CYT	peg.412	CYT	peg.247	CYT	peg.48	CYT	peg.872	CYT
B2RMH6	CYT	Q7MTA6	CYT	F5XDH4	CYT	peg.925	CYT	peg.1431	CYT	peg.1603	CYT	peg.1802	CYT
B2RIF7	IM TM	Q7MWM1	IM TM	F5XBM8	IM TM	peg.2093	IM TM	peg.1377	IM TM	peg.1815	IM TM	peg.1253	IM TM
B2RM08	IM TM	Q7MTJ9	IM TM	F5X7W3	IM TM	peg.1903	IM TM	peg.900	IM TM	peg.2034	IM TM	peg.635	IM TM
B2RIF3	CYT	Q7MWM3	CYT	F5XBM1	CYT	peg.2088	CYT	peg.1382	CYT	peg.1811	CYT	peg.398	CYT
B2RKD6	CYT	Q7MVL4	CYT	F5X9Y7	CYT	peg.206	CYT	peg.1203	CYT	peg.368	CYT	peg.91	CYT

B2RHM8	CYT	Q7MXE5	CYT	F5X8S1	CYT	peg.953	CYT	peg.717	CYT	peg.1220	CYT	peg.1570	CYT
B2RMC2	CYT	Q7MTB7	CYT	F5X868	CYT	peg.1374	CYT	peg.48	CYT	peg.1580	CYT	peg.1244	CYT
B2RI93	CYT	Q7MUH5	CYT	F5X9E0	CYT	peg.16	CYT	peg.977	CYT	peg.2005	CYT	peg.1708	CYT
B2RH28	PERI	Q7MT76	OM LP	F5XAY8	OM LP	peg.1351	PERI	peg.1472	PERI	peg.669	PERI	peg.951	CYT
B2RMF4	CYT	Q7MXS6	CYT	F5X899	CYT	peg.2040	CYT	peg.17	CYT	peg.1524	CYT	peg.1168	CYT
B2RIM1	CYT	Q7MWF8	CYT	F5XCA3	CYT	peg.1168	CYT	peg.1634	CYT	peg.1982	CYT	peg.823	CYT
B2RKN3	CYT	Q7MWN9	CYT	F5XBK1	CYT	peg.1849	CYT	peg.1820	CYT	peg.328	CYT	peg.2126	CYT
B2RMK1	CYT	Q7MSZ6	CYT	F5XDJ9	CYT	peg.902	CYT	peg.1408	CYT	peg.777	CYT	peg.176	CYT
B2RI77	IM TM	Q7MUG5	IM TM	F5X9C5	IM TM	peg.31	IM TM	peg.992	IM TM	peg.509	IM TM	peg.2031	IM TM
B2RKO6	CYT	Q7MVH6	CYT	F5XAE8	CYT	peg.792	CYT	peg.512	CYT	peg.288	CYT	peg.1993	CYT
B2RJT6	CYT	Q7MUZ7	CYT	F5XDA9	CYT	peg.107	CYT	peg.109	CYT	peg.586	CYT	peg.1601	CYT
B2RJL6	IM TM	Q7MVX5	IM TM	F5X9K7	IM TM	peg.312	IM TM	peg.1110	IM TM	peg.931	IM TM	peg.355	IM TM
B2RGZ3	PERI	Q7MT22	PERI	F5XAR8	PERI	peg.1558	PERI	peg.1936	PERI	peg.1160	PERI	peg.1312	PERI
B2RJL4	IM TM	Q7MVX3	IM TM	F5X9K9	IM TM	peg.314	IM TM	peg.1108	IM TM	peg.929	IM TM	peg.357	IM TM
B2RI90	CYT	Q7MUH4	CYT	F5X9D7	CYT	peg.19	CYT	peg.980	CYT	peg.2002	CYT	peg.1711	CYT
B2RHJ2	CYT	Q7MXH5	CYT	F5X8M5	CYT	peg.352	CYT	peg.453	CYT	peg.656	CYT	peg.284	CYT
B2RI81	OM	Q7MUG9	OM	F5X9C9	OM	peg.27	OM	peg.988	OM	peg.505	OM	peg.2035	OM
B2RJ84	CYT	Q7MV76	CYT	F5XAL0	CYT	peg.1726	CYT	peg.1860	CYT	peg.1452	CYT	peg.1862	CYT
B2RJ64	OM	Q7MUS3	OM	F5XC�3	OM	peg.830	OM	peg.853	OM	peg.2145	OM	peg.1550	OM
B2RI51	PERI	Q7MUE4	PERI	F5X998	PERI	peg.1458	PERI	peg.697	PERI	peg.537	PERI	peg.568	PERI
B2RIQ9	CYT	Q7MWC7	CYT	F5XCE1	CYT	peg.1127	CYT	peg.1740	CYT	peg.1943	CYT	peg.787	CYT
B2RJX2	CYT	Q7MUW7	CYT	F5XCU5	CYT	peg.146	CYT	peg.757	CYT	peg.1366	CYT	peg.1654	CYT
B2RIN8	CYT	Q7MWE4	CYT	F5XCC0	CYT	peg.1148	CYT	peg.1653	CYT	peg.1963	CYT	peg.806	CYT
B2RLB3	CYT	Q7MX87	CYT	F5XBP5	CYT	peg.747	CYT	peg.223	CYT	peg.857	CYT	peg.848	CYT
B2RH23	CYT	Q7MT83	CYT	F5XAZ4	CYT	peg.1359	CYT	peg.1479	CYT	peg.661	CYT	peg.944	CYT
B2RJV2	IM TM	Q7MUY4	IM TM	F5XD93	IM TM	peg.125	IM TM	peg.738	IM TM	peg.1346	IM TM	peg.271	IM TM
B2RHA7	CYT	Q7MXQ1	CYT	F5X8D3	CYT	peg.1061	CYT	peg.369	CYT	peg.173	CYT	peg.1760	CYT
B2RIW0	CYT	Q7MWS4	CYT	F5XCX2	CYT	peg.1992	CYT	peg.1074	CYT	peg.1887	CYT	peg.725	CYT
B2RJN5	PERI	Q7MVZ1	CYT	F5X9I4	PERI	peg.294	PERI	peg.1130	PERI	peg.1675	PERI	peg.337	PERI
B2RL39	ECP	Q7MX22	CYT	F5XBW8	ECP	peg.460	ECP	peg.297	ECP	peg.1011	ECP	peg.501	ECP
B2RJX1	IM TM	Q7MUW8	IM TM	F5XCU6	IM TM	peg.145	IM TM	peg.756	IM TM	peg.1365	IM TM	peg.1655	IM TM
B2RKL3	CYT	Q7MV46	CYT	F5XAP9	CYT	peg.1690	CYT	peg.1293	CYT	peg.1417	CYT	peg.1538	CYT
B2RGT9	CYT	Q7MUM7	CYT	F5XA43	CYT	peg.1311	CYT	peg.2000	CYT	peg.1302	CYT	peg.906	CYT
B2RHX1	IM TM	Q7MU83	IM TM	F5X921	IM TM	peg.1834	IM TM	peg.1167	IM TM	peg.1057	IM TM	peg.1404	IM TM
B2RI42	CYT	Q7MUD4	CYT	F5X989	CYT	peg.1449	CYT	peg.706	CYT	peg.545	CYT	peg.559	CYT
B2RIF6	CYT	Q7MWM2	CYT	F5XBM4	CYT	peg.2091	CYT	peg.1379	CYT	peg.1814	CYT	peg.395	CYT
B2RJE2	PERI	Q7MVQ9	PERI	F5X9T1	PERI	peg.253	PERI	peg.632	PERI	peg.245	PERI	peg.2105	PERI

B2RKD4	CYT	Q7MVL2	CYT	F5X9Y9	CYT	peg.204	CYT	peg.1201	CYT	peg.370	CYT	peg.89	CYT
B2RKU6	CYT	Q7MWT7	CYT	F5XBD2	CYT	peg.572	CYT	peg.586	CYT	peg.1748	CYT	peg.1206	CYT
B2RMH9	PERI	Q7MTA9	PERI	F5XDH7	CYT	peg.922	PERI	peg.1428	PERI	peg.1606	PERI	peg.1805	PERI
B2RJY2	CYT	Q7MUV6	CYT	F5XCT3	CYT	peg.158	CYT	peg.767	CYT	peg.1378	CYT	peg.1643	CYT
B2RIE6	IM TM	Q7MWM8	IM TM	F5XBL4	IM TM	peg.2081	IM TM	peg.1389	IM TM	peg.1804	IM TM	peg.405	IM TM
B2RI79	IM TM	Q7MUG7	IM TM	F5X9C7	IM TM	peg.29	IM TM	peg.990	IM TM	peg.507	IM TM	peg.2033	IM TM
B2RJR5	CYT	Q7MV15	IM TM	F5XDD4	CYT	peg.2068	CYT	peg.1505	CYT	peg.426	CYT	peg.1818	CYT
B2RK66	IM TM	Q7MVC8	IM TM	F5XA95	IM TM	peg.1784	IM TM	peg.565	IM TM	peg.747	IM TM	peg.44	IM TM
B2RJI4	PERI	Q7MUV6	PERI	F5X9Po	PERI	peg.348	PERI	peg.150	PERI	peg.897	PERI	peg.388	PERI
B2RH95	CYT	Q7MXR3	CYT	F5X8Co	CYT	peg.1020	CYT	peg.1095	CYT	peg.185	CYT	peg.1748	CYT
B2RI20	IM TM	Q7MUB5	IM TM	F5X967	IM TM	peg.1426	IM TM	peg.1014	IM TM	peg.568	IM TM	peg.537	IM TM
B2RK11	CYT	Q7MVH2	CYT	F5XAE2	CYT	peg.786	CYT	peg.517	CYT	peg.681	CYT	peg.1987	CYT
B2RHV0	PERI	Q7MU71	PERI	F5X903	PERI	peg.1618	PERI	peg.1848	PERI	peg.620	PERI	peg.1873	PERI
B2RHB1	CYT	Q7MXP7	CYT	F5X8D7	CYT	peg.1253	CYT	peg.373	CYT	peg.169	CYT	peg.1764	CYT
B2RKD9	CYT	Q7MVL6	CYT	F5X9Y4	CYT	peg.210	CYT	peg.1207	CYT	peg.364	CYT	peg.102	CYT
B2RI34	CYT	Q7MUC6	CYT	F5X981	CYT	peg.1439	CYT	peg.1959	CYT	peg.553	CYT	peg.551	CYT
B2RK19	CYT	Q7MVG6	CYT	F5XAD5	CYT	peg.780	CYT	peg.525	CYT	peg.709	CYT	peg.4	CYT
B2RMI9	CYT	Q7MT09	CYT	F5XDI6	CYT	peg.914	CYT	peg.1419	CYT	peg.1615	CYT	peg.164	CYT
B2RJ88	CYT	Q7MV80	CYT	F5XAK6	CYT	peg.1731	CYT	peg.1864	CYT	peg.1458	CYT	peg.1858	CYT
B2RLL3	OM LP	Q7MTV4	OM LP	G1UBU5	OM LP	peg.1537	OM LP	peg.831	OM LP	peg.1797	OM LP	peg.1027	OM LP
B2RLL4	CYT	Q7MTV5	CYT	F5X7F4	CYT	peg.1536	CYT	peg.830	CYT	peg.1796	CYT	peg.1028	CYT
B2RL22	PERI	Q7MX08	PERI	F5XBY4	PERI	peg.493	PERI	peg.312	PERI	peg.996	PERI	peg.486	PERI
B2RLX2	IM TM	Q7MTN3	IM TM	F5X7S6	IM TM	peg.1676	IM TM	peg.934	IM TM	peg.2084	IM TM	peg.600	IM TM
B2RkTo	IM TM	Q7MWS3	IM TM	F5XBFo	IM TM	peg.588	IM TM	peg.1679	IM TM	peg.129	IM TM	peg.440	IM TM
B2RLB5	CYT	Q7MX89	CYT	F5XBP3	CYT	peg.745	CYT	peg.221	CYT	peg.855	CYT	peg.846	CYT
B2RMB5	CYT	Q7MTC3	CYT	F5X861	CYT	peg.1366	CYT	peg.56	CYT	peg.1573	CYT	peg.1236	CYT
B2RJR4	CYT	Q7MV16	CYT	F5XDD5	CYT	peg.2069	CYT	peg.1506	CYT	peg.425	CYT	peg.1819	CYT
B2RLP6	IM TM	Q7MXC3	IM TM	F5XB62	IM TM	peg.705	IM TM	peg.183	IM TM	peg.815	IM TM	peg.230	IM TM
B2RHH3	OM	Q7MXJ3	OM	F5X8J9	OM	peg.371	OM	peg.435	OM	peg.1089	OM	peg.302	OM
B2RLJ9	CYT	Q7MTZ2	CYT	F5XB19	CYT	peg.1927	CYT	peg.1811	CYT	peg.2140	CYT	peg.1424	CYT
B2RJ68	CYT	Q7MUS1	CYT	F5XCM9	CYT	peg.835	CYT	peg.849	CYT	peg.2141	CYT	peg.1546	CYT
B2RM22	IM TM	Q7MTJo	IM TM	F5X7X7	IM TM	peg.1919	IM TM	peg.883	IM TM	peg.2017	IM TM	peg.652	IM TM
B2RHH2	CYT	Q7MXJ4	CYT	F5X8J8	CYT	peg.372	CYT	peg.434	CYT	peg.1088	CYT	peg.303	CYT
B2RJQ9	IM TM	Q7MV19	IM TM	F5XDE3	IM TM	peg.2106	IM TM	peg.1512	IM TM	peg.2172	IM TM	peg.1482	IM TM
B2RMI7	OM LP	Q7MT10	OM LP	F5XDI4	OM LP	peg.916	OM LP	peg.1421	OM LP	peg.1613	OM LP	peg.162	OM LP
B2RLX0	CYT	Q7MTN5	CYT	F5X7S4	CYT	peg.1678	CYT	peg.936	CYT	peg.2082	CYT	peg.598	CYT
B2RJ89	CYT	Q7MV81	CYT	F5XAK5	CYT	peg.1732	CYT	peg.1865	CYT	peg.1459	CYT	peg.1857	CYT

B2RIW8	PERI	Q7MW77	PERI	F5XCX9	CYT	peg.1225	PERI	peg.1240	PERI	peg.462	PERI	peg.717	PERI
B2RHT9	CYT	Q7MU60	CYT	F5X8Z1	CYT	peg.1603	CYT	peg.1835	CYT	peg.635	CYT	peg.1885	CYT
B2RJM9	CYT	Q7MVY7	CYT	F5X9J1	CYT	peg.299	CYT	peg.1125	CYT	peg.1680	CYT	peg.342	CYT
B2RIL5	CYT	Q7MWG5	CYT	F5XC97	CYT	peg.1175	CYT	peg.1628	CYT	peg.1988	CYT	peg.829	CYT
B2RJY6	CYT	Q7MVJ5	CYT	F5XAG7	CYT	peg.812	CYT	peg.491	CYT	peg.308	CYT	peg.1630	CYT
B2RML4	CYT	Q7MTB4	CYT	F5XDI1	CYT	peg.918	CYT	peg.1423	CYT	peg.1611	CYT	peg.160	CYT
B2RK44	CYT	Q7MVE4	CYT	F5XAB7	CYT	peg.1953	CYT	peg.546	CYT	peg.728	CYT	peg.22	CYT
B2RHN3	CYT	Q7MXE0	CYT	F5X8S6	CYT	peg.958	CYT	peg.712	CYT	peg.1225	CYT	peg.1565	CYT
B2RL53	CYT	Q7MX33	CYT	F5XBV4	CYT	peg.446	CYT	peg.281	CYT	peg.11	CYT	peg.517	CYT
B2RI57	CYT	Q7MUF0	CYT	F5X9A4	CYT	peg.1464	CYT	peg.691	CYT	peg.531	CYT	peg.574	CYT
B2RI24	CYT	Q7MUB9	CYT	F5X971	CYT	peg.1430	CYT	peg.1010	CYT	peg.564	CYT	peg.541	CYT
B2RKK7	CYT	Q7MV52	CYT	F5XAP3	CYT	peg.1695	CYT	peg.1299	CYT	peg.1423	CYT	peg.1921	CYT
B2RGP7	PERI	Q7MXX1	PERI	F5X7B3	PERI	peg.891	PERI	peg.1904	PERI	peg.1050	PERI	peg.213	PERI
B2RHY8	PERI	Q7MU93	PERI	F5X935	PERI	peg.1761	PERI	peg.1185	PERI	peg.1073	PERI	peg.2063	PERI
B2RHV1	CYT	Q7MU72	CYT	F5X904	CYT	peg.1619	CYT	peg.1849	CYT	peg.619	CYT	peg.1872	CYT
B2RHT7	CYT	Q7MU58	CYT	F5X8Y7	CYT	peg.1487	CYT	peg.1364	CYT	peg.637	CYT	peg.1019	CYT
B2RJ00	CYT	Q7MW44	CYT	F5XD15	CYT	peg.846	CYT	peg.1271	CYT	peg.887	CYT	peg.1258	CYT
B2RK22	IM TM	Q7MVG3	IM TM	F5XAD2	IM TM	peg.777	IM TM	peg.528	IM TM	peg.712	IM TM	peg.7	IM TM
B2RLK9	OM LP	Q7MTV0	OM LP	F5X7E8	ECP	peg.1542	ECP	peg.2059	ECP	peg.2112	ECP	peg.1022	ECP
B2RI26	ECP	Q7MUC1	ECP	F5X973	ECP	peg.1432	ECP	peg.1007	CYT	peg.561	CYT	peg.544	CYT
B2RIF0	IM TM	Q7MWM4	IM TM	F5XBL8	IM TM	peg.2085	IM TM	peg.1385	IM TM	peg.1808	IM TM	peg.401	IM TM
B2RI97	IM TM	Q7MUH8	IM TM	F5X9E4	IM TM	peg.12	IM TM	peg.973	IM TM	peg.2009	IM TM	peg.1704	IM TM
B2RLZ8	CYT	Q7MTK7	CYT	F5X7V3	CYT	peg.1894	CYT	peg.908	CYT	peg.2044	CYT	peg.626	CYT
B2RIR2	CYT	Q7MWC4	CYT	F5XCE4	CYT	peg.1124	CYT	peg.1737	CYT	peg.1940	CYT	peg.784	CYT
B2RM06	IM TM	Q7MTK1	IM TM	F5X7W1	IM TM	peg.1901	IM TM	peg.902	IM TM	peg.2036	IM TM	peg.633	IM TM
B2RGR8	CYT	Q7MXV7	CYT	F5X7D3	CYT	peg.1573	CYT	peg.1922	CYT	peg.1145	CYT	peg.835	CYT
B2RLG6	CYT	Q7MU20	CYT	F5XB52	CYT	peg.696	CYT	peg.175	CYT	peg.807	CYT	peg.222	CYT
B2RHJ0	PERI	Q7MXH7	CYT	F5X8M1	CYT	peg.356	PERI	peg.451	CYT	peg.652	CYT	peg.286	CYT
B2RMH5	IM TM	Q7MTA5	IM TM	F5XDH3	IM TM	peg.926	IM TM	peg.1432	IM TM	peg.1602	IM TM	peg.1801	IM TM
B2RH19	CYT	Q7MXH8	CYT	F5X8M0	CYT	peg.357	CYT	peg.450	CYT	peg.651	CYT	peg.287	CYT
B2RK09	CYT	Q7MVH4	CYT	F5XAE5	CYT	peg.789	CYT	peg.515	CYT	peg.284	CYT	peg.1990	CYT
B2RLK3	CYT	Q7MTU6	CYT	F5XB82	CYT	peg.1766	CYT	peg.1815	CYT	peg.1724	CYT	peg.429	CYT
B2RKH0	CYT	Q7MVP1	CYT	F5X9V5	CYT	peg.235	CYT	peg.651	CYT	peg.227	CYT	peg.131	CYT
B2RID2	CYT	Q7MV26	CYT	F5XDF5	CYT	peg.1592	CYT	peg.1086	CYT	peg.1559	CYT	peg.419	CYT
B2RKC4	CYT	Q7MVK4	CYT	F5X9Z9	CYT	peg.195	CYT	peg.1193	CYT	peg.380	CYT	peg.80	CYT
B2RIN0	OM LP	Q7MWF1	OM LP	F5XCB2	OM LP	peg.1156	OM LP	peg.1645	OM LP	peg.1971	CYT	peg.814	CYT
B2RH33	CYT	Q7MT72	CYT	F5XAY3	CYT	peg.1346	CYT	peg.1468	CYT	peg.673	CYT	peg.956	CYT

B2RMA0	PERI	Q7MTD7	CYT	F5X846	CYT	peg.1816	CYT	peg.75	CYT	peg.1831	CYT	peg.1219	PERI
B2RLQ0	CYT	Q7MTY8	CYT	F5X7J3	CYT	peg.1961	CYT	peg.794	CYT	peg.420	CYT	peg.1064	CYT
B2RHD5	CYT	F5HGG7	CYT	F5X8G2	CYT	peg.1279	CYT	peg.397	CYT	peg.144	CYT	peg.1789	CYT
B2RI49	IM TM	Q7MUE2	IM TM	F5X996	IM TM	peg.1456	IM TM	peg.699	IM TM	peg.539	IM TM	peg.566	IM TM
B2RML3	OM	Q7MSY4	OM	F5XCV9	OM	peg.1028	OM	peg.1880	OM	peg.765	OM	peg.189	OM
B2RJR7	PERI	Q7MV13	PERI	F5XDD2	CYT	peg.2066	PERI	peg.1503	PERI	peg.428	PERI	peg.1816	PERI
B2RI70	CYT	Q7MUG0	CYT	G1UBV3	CYT	peg.37	CYT	peg.999	CYT	peg.515	CYT	peg.2025	CYT
B2RKU3	PERI	F5HAB9	PERI	F5XBD5	CYT	peg.575	PERI	peg.589	PERI	peg.1751	CYT	peg.1209	CYT
B2RHM1	CYT	Q7MXF2	CYT	F5X8R0	CYT	peg.1012	CYT	peg.726	CYT	peg.940	CYT	peg.1391	CYT
B2RHK2	IM TM	Q7MXG5	IM TM	F5X8P0	IM TM	peg.1644	IM TM	peg.467	IM TM	peg.445	IM TM	peg.1374	IM TM
B2RJU0	CYT	Q7MUZ3	CYT	F5XDA6	CYT	peg.111	CYT	peg.113	CYT	peg.582	CYT	peg.1596	CYT
B2RL59	CYT	Q7MX39	CYT	F5XBU8	CYT	peg.440	CYT	peg.275	CYT	peg.18	CYT	peg.523	CYT
B2RHD9	CYT	Q7MXM1	CYT	F5X8G6	CYT	peg.1283	CYT	peg.401	CYT	peg.140	CYT	peg.1793	CYT
B2RMA9	CYT	Q7MTC9	CYT	F5X855	CYT	peg.1825	CYT	peg.66	CYT	peg.1840	CYT	peg.1228	CYT
B2RI62	IM TM	Q7MUF4	IM TM	F5X9A9	IM TM	peg.1470	IM TM	peg.684	IM TM	peg.523	IM TM	peg.2017	IM TM
B2RJQ3	CYT	Q7MV22	CYT	F5XDF0	CYT	peg.1587	CYT	peg.1081	CYT	peg.1565	CYT	peg.590	CYT
B2RMK2	CYT	Q7MSZ5	CYT	F5XDK0	CYT	peg.901	CYT	peg.1407	CYT	peg.776	CYT	peg.177	CYT
B2RGR6	IM TM	Q7MXV9	IM TM	F5X7D1	IM TM	peg.1575	IM TM	peg.1920	IM TM	peg.1143	IM TM	peg.833	IM TM
B2RK26	CYT	Q7MVF9	CYT	F5XAC8	CYT	peg.773	CYT	peg.532	CYT	peg.716	CYT	peg.11	CYT
B2RJG0	IM TM	Q7MVS6	IM TM	F5X9R3	IM TM	peg.385	IM TM	peg.615	IM TM	peg.262	IM TM	peg.1458	IM TM
B2RJZ7	CYT	Q7MVI4	CYT	F5XAF6	CYT	peg.801	CYT	peg.503	CYT	peg.297	CYT	peg.1619	CYT
B2RLM5	CYT	Q7MTW7	CYT	F5X7G5	CYT	peg.1525	CYT	peg.820	CYT	peg.1785	CYT	peg.1039	CYT
B2RMJ0	PERI	Q7MT08	PERI	F5XDI7	PERI	peg.913	PERI	peg.1418	PERI	peg.1616	PERI	peg.165	PERI
B2RKD3	IM TM	Q7MVL1	IM TM	F5X9Z0	IM TM	peg.203	IM TM	peg.1200	IM TM	peg.371	IM TM	peg.88	IM TM
B2RLJ7	IM TM	Q7MTZ4	IM TM	F5XB21	IM TM	peg.1929	IM TM	peg.1809	IM TM	peg.2138	IM TM	peg.1426	IM TM
B2RHCo	IM TM	Q7MXN9	IM TM	F5X8E7	IM TM	peg.1264	IM TM	peg.382	IM TM	peg.159	IM TM	peg.1774	IM TM
B2RJF1	CYT	Q7MVR9	CYT	F5X9S3	CYT	peg.275	CYT	peg.623	CYT	peg.254	CYT	peg.1581	CYT
B2RLJ2	CYT	Q7MTZ8	CYT	F5XB26	CYT	peg.1933	CYT	peg.1805	CYT	peg.2133	CYT	peg.1430	CYT
B2RHU5	IM TM	Q7MU66	IM TM	F5X8Z7	IM TM	peg.1610	IM TM	peg.1841	IM TM	peg.628	IM TM	peg.1878	IM TM
B2RKN9	ECP	Q7MWP5	ECP	F5XBJ5	ECP	peg.1856	ECP	peg.1826	ECP	peg.337	ECP	peg.2122	ECP
B2RJU9	IM TM	Q7MUY7	IM TM	F5XD98	IM TM	peg.120	IM TM	peg.122	IM TM	peg.573	IM TM	peg.1587	IM TM
B2RHT8	CYT	Q7MU59	CYT	F5X8Y8	CYT	peg.1486	CYT	peg.1365	CYT	peg.636	CYT	peg.1020	CYT
B2RH71	OM	Q7MT42	OM	F5XAU7	OM	peg.940	OM	peg.1224	OM	peg.1186	OM	peg.993	OM
B2RH64	CYT	Q7MT49	CYT	F5XAV4	CYT	peg.933	CYT	peg.1231	CYT	peg.1193	CYT	peg.986	CYT
B2RHN2	CYT	Q7MXE1	CYT	F5X8S5	CYT	peg.957	CYT	peg.713	CYT	peg.1224	CYT	peg.1566	CYT
B2RJQ4	CYT	Q7MV21	CYT	F5XDE9	CYT	peg.1586	CYT	peg.1080	CYT	peg.1566	CYT	peg.589	CYT
B2RM83	CYT	Q7MTF2	CYT	F5X827	CYT	peg.691	CYT	peg.954	CYT	peg.2065	CYT	peg.2013	CYT

B2RGZ4	PERI	Q7MT23	PERI	F5XAR9	PERI	peg.1557	PERI	peg.1937	PERI	peg.1161	PERI	peg.1313	PERI
B2RM84	CYT	Q7MTF1	CYT	F5X828	CYT	peg.690	CYT	peg.953	CYT	peg.2066	CYT	peg.2012	CYT
B2RLH3	PERI	Q7MU15	PERI	F5XB45	PERI	peg.2050	CYT	peg.169	CYT	peg.949	CYT	peg.1450	PERI
B2RJR2	CYT	F5HFD5	CYT	G1UBT9	CYT	peg.2072	CYT	peg.1509	CYT	peg.422	CYT	peg.1821	CYT
B2RMJ4	CYT	Q7MT04	CYT	F5XDJ1	CYT	peg.908	CYT	peg.1414	CYT	peg.783	CYT	peg.170	CYT
B2RMJ2	CYT	Q7MT06	CYT	F5XDI9	CYT	peg.911	CYT	peg.1416	CYT	peg.1618	CYT	peg.167	CYT
B2RLN3	IM TM	Q7MTX4	IM TM	F5X7H3	IM TM	peg.1516	IM TM	peg.811	IM TM	peg.403	IM TM	peg.1048	IM TM
B2RIP6	CYT	Q7MWD6	CYT	F5XCC8	CYT	peg.1140	CYT	peg.1660	CYT	peg.1955	CYT	peg.798	CYT
B2RLF4	IM TM	Q7MXC1	IM TM	F5XB64	IM TM	peg.707	IM TM	peg.185	IM TM	peg.817	IM TM	peg.232	IM TM
B2RJH3	CYT	Q7MVT8	CYT	F5X9Q1	CYT	peg.399	unknown	peg.1977	CYT	peg.276	CYT	peg.1471	CYT
B2RK92	CYT	Q7MVA6	CYT	F5XA09	CYT	peg.1808	CYT	peg.95	CYT	peg.389	CYT	peg.71	CYT
B2RKK8	IM TM	Q7MV51	CYT	F5XAP4	IM TM	peg.1694	CYT	peg.1298	IM TM	peg.1422	CYT	peg.1920	IM TM
B2RLM6	CYT	Q7MTW8	CYT	F5X7G6	CYT	peg.1524	CYT	peg.819	CYT	peg.1784	CYT	peg.1040	CYT
B2RMD4	CYT	Q7MXU5	CYT	F5X881	CYT	peg.1385	CYT	peg.37	CYT	peg.1505	CYT	peg.1185	CYT
B2RIR5	OM	F5HHM2	OM	F5XCE7	OM	peg.1121	OM	peg.1734	OM	peg.1937	OM	peg.780	OM
B2RLI2	CYT	Q7MU07	CYT	F5XB36	CYT	peg.1944	CYT	peg.160	CYT	peg.958	CYT	peg.1440	CYT
B2RK27	CYT	Q7MVF8	CYT	F5XAC7	CYT	peg.772	CYT	peg.533	CYT	peg.717	CYT	peg.12	CYT
B2RKX7	CYT	F5HCK4	CYT	F5XC35	CYT	peg.540	CYT	peg.1993	CYT	peg.1211	CYT	peg.1097	CYT
B2RI69	IM TM	Q7MUF9	IM TM	F5X9B6	IM TM	peg.38	IM TM	peg.1000	IM TM	peg.516	IM TM	peg.2024	IM TM
B2RH42	CYT	Q7MT65	CYT	F5XAX4	CYT	peg.1336	CYT	peg.1458	CYT	peg.794	CYT	peg.965	CYT
B2RKH6	ECP	Q7MVP7	ECP	F5X9U7	ECP	peg.241	ECP	peg.644	ECP	peg.233	ECP	peg.138	ECP
B2RJG6	CYT	Q7MVT2	CYT	F5X9Q7	CYT	peg.393	CYT	peg.1971	CYT	peg.270	CYT	peg.1465	CYT
B2RL71	CYT	Q7MX51	CYT	F5XBT3	CYT	peg.426	CYT	peg.262	CYT	peg.32	CYT	peg.886	CYT
B2RKI7	CYT	Q7MV66	CYT	F5XAM1	CYT	peg.1715	CYT	peg.1718	CYT	peg.1441	CYT	peg.152	CYT
B2RGU8	CYT	Q7MW30	CYT	F5X9H5	CYT	peg.1301	CYT	peg.1161	CYT	peg.1292	CYT	peg.2131	CYT
B2RIX3	CYT	Q7MW70	CYT	F5XCY4	CYT	peg.1229	CYT	peg.1244	CYT	peg.467	CYT	peg.713	CYT
B2RL75	IM TM	Q7MX55	IM TM	F5XBS9	IM TM	peg.422	IM TM	peg.258	IM TM	peg.36	IM TM	peg.882	IM TM
B2RIQ7	CYT	Q7MWC9	CYT	F5XCD9	CYT	peg.1129	CYT	peg.1670	CYT	peg.1945	CYT	peg.789	CYT
B2RME6	CYT	Q7MXT4	CYT	F5X892	CYT	peg.1397	CYT	peg.24	CYT	peg.1517	CYT	peg.1174	CYT
B2RK63	CYT	Q7MVD0	CYT	F5XA98	CYT	peg.1782	CYT	peg.563	CYT	peg.745	CYT	peg.42	CYT
B2RLV2	CYT	Q7MTP9	CYT	F5X7Q4	CYT	peg.881	CYT	peg.1747	CYT	peg.84	CYT	peg.1496	CYT
B2RLA3	IM TM	Q7MX78	IM TM	F5XBQ5	IM TM	peg.757	IM TM	peg.233	IM TM	peg.62	IM TM	peg.858	IM TM
B2RM65	CYT	Q7MTG5	CYT	F5X807	CYT	peg.1879	CYT	peg.1529	CYT	peg.1703	CYT	peg.678	CYT
B2RJ79	CYT	Q7MVJ6	CYT	F5XAG8	CYT	peg.814	CYT	peg.490	CYT	peg.309	CYT	peg.1631	CYT
B2RJ72	PorSS	Q7RQJ2	PorSS	F5XCM6	PorSS	peg.2	PorSS	peg.847	PorSS	peg.788	PorSS	peg.1543	PorSS
B2RMF3	OM	Q7MXS7	OM	F5X898	OM	peg.2041	OM	peg.18	OM	peg.1523	OM	peg.1169	OM
B2RHU3	CYT	Q7MU64	CYT	F5X8Z5	CYT	peg.1608	CYT	peg.1839	CYT	peg.630	CYT	peg.1880	CYT



B2RLQ5	CYT	Q7MTU3	CYT	F5X7J9	CYT	peg.1067	CYT	peg.1702	CYT	peg.92	CYT	peg.1981	CYT
B2RM69	IM TM	Q7MTG1	IM TM	F5X811	CYT	peg.1875	CYT	peg.1533	CYT	peg.1699	CYT	peg.682	CYT
B2RIX7	IM TM	Q7MW66	IM TM	F5XCY8	IM TM	peg.1233	ECP	peg.1248	IM TM	peg.471	IM TM	peg.709	IM TM
B2RIL7	PorSS	Q7MWG3	PorSS	F5XC99	PorSS	peg.1173	PorSS	peg.1630	PorSS	peg.1986	PorSS	peg.827	PorSS
B2RH03	OM	Q7MT28	OM	F5XAS8	OM	peg.1550	OM	peg.1448	OM	peg.1168	OM	peg.1322	OM
B2RI45	IM TM	Q7MUD7	IM TM	F5X992	IM TM	peg.1451	IM TM	peg.704	IM TM	peg.543	IM TM	peg.561	IM TM
B2RKJ9	CYT	Q7MAW1	CYT	F5XAN3	CYT	peg.1703	CYT	peg.1708	CYT	peg.1431	CYT	peg.1927	CYT
B2RL80	IM TM	Q7MX60	IM TM	F5XBS4	OM	peg.417	OM	peg.253	OM	peg.41	OM	peg.877	OM
B2RGN8	OM LP	Q7MXX8	OM LP	F5X7A5	CYT	peg.1044	OM LP	peg.1896	CYT	peg.1043	CYT	peg.206	CYT
B2RKI4	CYT	Q7MV69	CYT	F5XAL7	CYT	peg.1719	CYT	peg.1722	CYT	peg.1444	CYT	peg.148	CYT
B2RMD2	IM TM	Q7MXU7	IM TM	F5X879	IM TM	peg.1383	IM TM	peg.39	IM TM	peg.1503	IM TM	peg.1187	IM TM
B2RI09	PERI	Q7MUA2	PERI	F5X956	PERI	peg.1416	PERI	peg.1572	PERI	peg.1547	PERI	peg.922	PERI
B2RJX4	CYT	Q7MUW5	CYT	F5XCU3	CYT	peg.148	CYT	peg.759	CYT	peg.1368	CYT	peg.1652	CYT
B2RLR6	CYT	Q7MTT2	CYT	F5X7L2	CYT	peg.1078	CYT	peg.1691	CYT	peg.103	CYT	peg.1970	CYT
B2RK17	CYT	Q7MVG8	CYT	F5XAD7	CYT	peg.782	CYT	peg.523	CYT	peg.686	CYT	peg.2	CYT
B2RGP6	PorSS	Q7MXX2	PorSS	F5X7B2	PorSS	peg.892	PorSS	peg.1903	PorSS	peg.1049	PorSS	peg.212	PorSS
B2RJH2	CYT	Q7MVT7	CYT	F5X9Q2	CYT	peg.398	CYT	peg.1976	CYT	peg.275	CYT	peg.1470	CYT
B2RK62	IM LP	Q7MVD1	IM LP	F5XA99	CYT	peg.1781	IM LP	peg.562	IM LP	peg.744	IM LP	peg.41	IM LP
B2RL23	CYT	Q7MX09	CYT	F5XBY3	CYT	peg.492	CYT	peg.311	CYT	peg.997	CYT	peg.487	CYT
B2RKF8	CYT	Q7MVM9	CYT	F5X9W7	CYT	peg.223	CYT	peg.1220	CYT	peg.345	CYT	peg.120	CYT
B2RID4	CYT	Q7MV28	CYT	F5XDF7	CYT	peg.1594	CYT	peg.1088	CYT	peg.1557	CYT	peg.417	CYT
B2RIZ7	CYT	Q7MW46	CYT	F5XD11	CYT	peg.849	CYT	peg.1268	CYT	peg.884	CYT	peg.1508	CYT
B2RL16	CYT	Q7MX03	CYT	F5XBZ0	PERI	peg.499	PERI	peg.319	PERI	peg.990	CYT	peg.478	CYT
B2RMG8	CYT	Q7MXR4	CYT	F5X8B4	CYT	peg.2024	CYT	peg.1	CYT	peg.1538	CYT	peg.1415	CYT
B2RLJ0	PERI	Q7MW16	PERI	F5XC69	PERI	peg.1203	PERI	peg.1597	PERI	peg.205	PERI	peg.1142	PERI
B2RIK1	IM TM	Q7MWH6	IM TM	F5XC82	IM TM	peg.1191	IM TM	peg.1611	IM TM	peg.216	IM TM	peg.1130	IM TM
B2RKD8	CYT	Q7MAW3	CYT	F5X9Y5	CYT	peg.209	CYT	peg.1206	CYT	peg.365	CYT	peg.101	CYT
B2RJB3	IM TM	Q7MV89	CYT	F5XAJ2	IM TM	peg.1979	IM TM	peg.783	IM TM	peg.598	IM TM	peg.1822	IM TM
B2RLF9	CYT	Q7MXC5	CYT	F5XB59	CYT	peg.703	CYT	peg.181	CYT	peg.813	CYT	peg.228	CYT
B2RHB6	CYT	Q7MXP2	CYT	F5X8E3	CYT	peg.1259	CYT	peg.378	CYT	peg.163	CYT	peg.1770	CYT
B2RHK1	CYT	Q7MXG6	CYT	F5X8N9	CYT	peg.1643	CYT	peg.466	CYT	peg.446	CYT	peg.1373	CYT
B2RKG9	IM TM	Q7MVP0	IM TM	F5X9V6	IM TM	peg.234	IM TM	peg.652	IM TM	peg.226	IM TM	peg.130	IM TM
B2RMC9	CYT	Q7MXV0	CYT	F5X876	CYT	peg.1380	CYT	peg.42	CYT	peg.1500	CYT	peg.1190	CYT
B2RH15	IM TM	Q7MX12	IM TM	F5X8L4	IM TM	peg.361	IM TM	peg.446	IM TM	peg.1100	IM TM	peg.291	IM TM
B2RK64	CYT	Q7MVC9	CYT	F5XA97	CYT	peg.1783	CYT	peg.564	CYT	peg.746	CYT	peg.43	CYT
B2RLD3	IM TM	Q7MXA6	IM TM	F5XB90	IM TM	peg.726	IM TM	peg.204	IM TM	peg.836	IM TM	peg.251	IM TM
B2RI36	CYT	Q7MUC8	CYT	F5X983	CYT	peg.1441	CYT	peg.1961	CYT	peg.551	CYT	peg.553	CYT

B2RMA2	CYT	Q7MTD5	CYT	F5X848	CYT	peg.1818	CYT	peg.73	CYT	peg.1833	CYT	peg.1221	CYT
B2RIR1	IM TM	Q7MWC5	IM TM	F5XCE3	IM TM	peg.1125	IM TM	peg.1738	IM TM	peg.1941	IM TM	peg.785	IM TM
B2RJZ5	CYT	Q7MV16	CYT	F5XAF8	CYT	peg.803	CYT	peg.501	CYT	peg.299	CYT	peg.1621	CYT
B2RLBo	OM	Q7MX84	OM	F5XBP8	OM	peg.750	OM	peg.226	OM	peg.860	OM	peg.851	OM
B2RLP1	PorSS	F5H9F8	PorSS	F5X71	PorSS	peg.1508	PERI	peg.803	PorSS	peg.410	PorSS	peg.1055	PorSS
B2RIH4	CYT	Q7MWK3	CYT	F5XC49	PERI	peg.1215	PERI	peg.1581	PERI	peg.191	PERI	peg.1158	PERI
B2RLJ3	IM TM	Q7MVU5	IM TM	F5X9P1	IM TM	peg.349	IM TM	peg.151	IM TM	peg.896	IM TM	peg.389	IM TM
B2RLN1	CYT	Q7MAV5	CYT	F5X7H1	CYT	peg.1518	CYT	peg.813	CYT	peg.1778	CYT	peg.1046	CYT
B2RHS0	CYT	Q7MU45	CYT	F5X8W9	CYT	peg.993	CYT	peg.1349	CYT	peg.1257	CYT	peg.1718	CYT
B2RI72	CYT	Q7MUG2	CYT	G1UBU8	CYT	peg.35	CYT	peg.997	CYT	peg.513	CYT	peg.2027	CYT
B2RGZ2	IM TM	Q7MT21	IM TM	F5XAR7	IM TM	peg.1559	IM TM	peg.1935	IM TM	peg.1159	IM TM	peg.1311	IM TM
B2RLK4	CYT	Q7MTU7	CYT	F5XB83	CYT	peg.1767	CYT	peg.1814	CYT	peg.1725	CYT	peg.428	CYT
B2RIQ0	CYT	Q7MWD2	CYT	F5XCD3	CYT	peg.1135	CYT	peg.1665	CYT	peg.1950	CYT	peg.794	CYT
B2RH06	CYT	Q7MT99	CYT	F5XB11	CYT	peg.1079	CYT	peg.1317	CYT	peg.881	CYT	peg.927	CYT
B2RIP5	CYT	Q7MWD7	CYT	F5XCC7	CYT	peg.1141	CYT	peg.1659	CYT	peg.1956	CYT	peg.799	CYT
B2RHA9	CYT	Q7MXP9	CYT	F5X8D5	CYT	peg.1251	CYT	peg.371	CYT	peg.171	CYT	peg.1762	CYT
B2RGN9	CYT	Q7MXX7	CYT	F5X7A6	CYT	peg.1045	CYT	peg.1897	CYT	peg.1044	CYT	peg.207	CYT
B2RMG2	IM TM	Q7MXR9	IM TM	F5X8A9	IM TM	peg.2030	IM TM	peg.7	IM TM	peg.1532	IM TM	peg.1421	IM TM
B2RKI8	PERI	Q7MV65	PERI	F5XAM2	PERI	peg.1714	PERI	peg.1717	PERI	peg.1440	PERI	peg.153	PERI
B2RLR8	CYT	Q7MTT0	CYT	F5X7L4	CYT	peg.851	CYT	peg.1798	CYT	peg.1104	CYT	peg.1968	CYT
B2RLL8	OM	Q7MTV9	OM	F5X7F8	OM	peg.1533	OM	peg.827	OM	peg.1793	OM	peg.1031	OM
B2RKE6	CYT	Q7MVM3	CYT	F5X9X8	CYT	peg.216	CYT	peg.1213	CYT	peg.358	CYT	peg.108	CYT
B2RHE7	CYT	Q7MXL3	CYT	F5X8H4	CYT	peg.1292	CYT	peg.409	CYT	peg.1658	CYT	peg.329	CYT
B2RKT1	CYT	Q7MWS4	CYT	F5XBE9	CYT	peg.587	CYT	peg.1680	CYT	peg.130	CYT	peg.439	CYT
B2RGQ4	CYT	Q7MXW7	PERI	F5X7B9	CYT	peg.1584	PERI	peg.1909	CYT	peg.968	CYT	peg.1252	PERI
B2RLR1	CYT	Q7MTT7	CYT	F5X7K7	CYT	peg.1073	CYT	peg.1696	CYT	peg.98	CYT	peg.1975	CYT
B2RLV4	OM	Q7MTP7	OM	F5X7Q6	OM	peg.883	OM	peg.1749	OM	peg.82	OM	peg.1498	OM
B2RIQ6	PERI	Q7MWD0	PERI	F5XCD8	OM LP	peg.1130	PERI	peg.1669	PERI	peg.1946	OM LP	peg.790	PERI
B2RJB7	IM TM	Q7MV96	IM TM	F5XA15	IM TM	peg.90	IM TM	peg.477	IM TM	peg.591	IM TM	peg.1829	IM TM
B2RGU1	IM TM	Q7MUM5	IM TM	F5XA41	IM TM	peg.1309	IM TM	peg.1800	unknown	peg.1300	IM TM	peg.908	IM TM
B2RJL3	CYT	Q7MVX2	IM LP	F5X9Lo	IM LP	peg.315	IM LP	peg.1107	CYT	peg.928	CYT	peg.358	CYT
B2RHZ5	PERI	Q7MUB0	PERI	F5X942	PERI	peg.1404	PERI	peg.1761	CYT	peg.1585	CYT	peg.2055	CYT
B2RK21	CYT	Q7MVG4	CYT	F5XAD3	CYT	peg.778	CYT	peg.527	CYT	peg.711	CYT	peg.6	CYT
B2RK82	IM TM	Q7MVB6	IM TM	F5XA81	IM TM	peg.1797	IM TM	peg.84	IM TM	peg.401	IM TM	peg.59	IM TM
B2RHC9	CYT	Q7MXN0	CYT	F5X8F6	CYT	peg.1273	CYT	peg.391	CYT	peg.150	CYT	peg.1783	CYT
B2RLT1	IM TM	Q7MTR4	IM TM	F5X7M8	IM TM	peg.866	IM TM	peg.1784	IM TM	peg.1121	IM TM	peg.1949	IM TM
B2RH47	ECP	Q7MT61	ECP	F5XAX0	ECP	peg.1331	CYT	peg.1453	ECP	peg.799	ECP	peg.969	ECP

B2RMG4	OM	Q7MXR8	OM	F5X8B1	OM	peg.2028	OM	peg.5	OM	peg.1534	OM	peg.1419	OM
B2RJ39	CYT	Q7MUT5	CYT	F5XCQ3	CYT	peg.1506	CYT	peg.868	CYT	peg.1409	CYT	peg.1831	CYT
B2RH15	IM TM	Q7MT9o	IM TM	F5XB02	IM TM	peg.1091	IM TM	peg.1308	IM TM	peg.871	IM TM	peg.937	IM TM
B2RJJ3	CYT	Q7MVV4	CYT	F5X9N1	CYT	peg.339	CYT	peg.141	CYT	peg.906	CYT	peg.379	CYT
B2RLQ8	CYT	Q7MTUo	CYT	F5X7K2	CYT	peg.1070	CYT	peg.1699	CYT	peg.95	CYT	peg.1978	CYT
B2RHV3	CYT	Q7MU74	CYT	F5X906	CYT	peg.1621	CYT	peg.1851	CYT	peg.617	CYT	peg.1870	CYT
B2RLH5	CYT	Q7MU13	CYT	F5XB43	CYT	peg.2052	CYT	peg.167	CYT	peg.951	CYT	peg.1448	CYT
B2RME1	CYT	Q7MAXo	CYT	F5X887	CYT	peg.1392	CYT	peg.29	CYT	peg.1512	CYT	peg.1179	CYT
B2RH18	IM TM	Q7MXH9	IM TM	F5X8L9	IM TM	peg.358	IM TM	peg.449	IM TM	peg.650	IM TM	peg.288	IM TM
B2RLP9	OM	Q7MTY7	OM	F5X7J2	CYT	peg.1962	OM	peg.795	CYT	peg.419	CYT	peg.1063	CYT
B2RJJ5	IM TM	Q7MVX4	IM TM	F5X9K8	IM TM	peg.313	IM TM	peg.1109	IM TM	peg.930	IM TM	peg.356	IM TM
B2RJB2	CYT	Q7MV91	CYT	F5XAJ1	CYT	peg.1978	CYT	peg.782	CYT	peg.597	CYT	peg.1823	CYT
B2RIV4	CYT	Q7MW86	CYT	F5XCW4	CYT	peg.1999	CYT	peg.1068	CYT	peg.1894	CYT	peg.733	CYT
B2RM79	CYT	Q7MTF4	CYT	F5X821	CYT	peg.1867	CYT	peg.1541	CYT	peg.1691	CYT	peg.690	CYT
B2RLT6	CYT	Q7MTR1	CYT	F5X7N2	CYT	peg.869	CYT	peg.1780	CYT	peg.1124	CYT	peg.1945	CYT
B2RKZ9	CYT	Q7MWZ3	CYT	F5XC09	CYT	peg.518	CYT	peg.339	CYT	peg.1862	CYT	peg.1075	CYT
B2RLG2	CYT	Q7MU24	CYT	F5XB56	CYT	peg.700	CYT	peg.179	CYT	peg.811	CYT	peg.226	CYT
B2RKZ0	CYT	Q7MWY3	CYT	F5XC19	CYT	peg.528	CYT	peg.348	CYT	peg.1852	CYT	peg.1084	CYT
B2RHH5	OM	Q7MXJ1	OM	F5X8K1	OM	peg.369	OM	peg.437	OM	peg.1091	OM	peg.300	OM
B2RIZ8	CYT	Q7MW45	CYT	F5XD12	CYT	peg.848	CYT	peg.1269	CYT	peg.885	CYT	peg.1507	CYT
B2RIN5	CYT	Q7MWE6	CYT	F5XCB7	CYT	peg.1151	CYT	peg.1650	CYT	peg.1966	CYT	peg.809	CYT
B2RL97	CYT	Q7MX74	CYT	F5XBRo	CYT	peg.762	CYT	peg.238	CYT	peg.57	CYT	peg.864	CYT
B2RIG9	OM	Q7MWK8	OM	F5XC45	OM	peg.1219	OM	peg.1577	OM	peg.187	OM	peg.1162	OM
B2RJN2	CYT	Q7MVY9	CYT	F5X9I8	CYT	peg.296	CYT	peg.1128	CYT	peg.1677	CYT	peg.339	CYT
B2RIT1	CYT	Q7MWA6	CYT	F5XCG3	CYT	peg.1098	CYT	peg.1045	CYT	peg.1918	CYT	peg.757	CYT
B2RK86	CYT	Q7MVB3	CYT	F5XA77	CYT	peg.1801	CYT	peg.88	CYT	peg.397	CYT	peg.63	CYT
B2RK03	CYT	Q7MVH9	CYT	F5XAF1	CYT	peg.796	CYT	peg.508	CYT	peg.292	CYT	peg.1996	CYT
B2RH21	OM LP	Q7MT85	OM LP	F5XAZ6	OM LP	peg.1361	OM LP	peg.1481	OM LP	peg.659	OM LP	peg.942	OM LP
B2RL72	IM TM	Q7MX52	IM LP	F5XBT2	IM TM	peg.425	IM TM	peg.261	IM LP	peg.33	IM TM	peg.885	IM TM
B2RIX9	IM TM	Q7MW64	IM TM	F5XCZ0	IM TM	peg.1235	IM TM	peg.1250	IM TM	peg.473	IM TM	peg.707	IM TM
B2RM70	IM TM	Q7MTG0	IM TM	F5X812	IM TM	peg.1874	IM TM	peg.1534	IM TM	peg.1698	IM TM	peg.683	IM TM
B2RLQ7	PERI	Q7MTU1	PERI	F5X7K1	PERI	peg.1069	CYT	peg.1700	CYT	peg.94	CYT	peg.1979	PERI
B2RJ77	CYT	Q7MUR2	CYT	F5XCL9	CYT	peg.7	CYT	peg.843	CYT	peg.496	CYT	peg.2090	CYT
B2RIF4	CYT	O07827	CYT	F5XBM2	CYT	peg.2089	CYT	peg.1381	CYT	peg.1812	CYT	peg.397	CYT
B2RJW4	CYT	Q7MUX4	CYT	F5XCV4	CYT	peg.136	CYT	peg.749	CYT	peg.1358	CYT	peg.1663	CYT
B2RKX8	CYT	Q7MWW8	CYT	F5XC34	CYT	peg.539	CYT	peg.1994	CYT	peg.1212	CYT	peg.1096	CYT
B2RKT5	IM TM	Q7MWS8	IM TM	F5XBE5	IM TM	peg.583	IM TM	peg.1684	IM TM	peg.134	IM TM	peg.435	IM TM

B2RJM3	PERI	Q7MVY1	PERI	F5X9J7	PERI	peg.305	PERI	peg.1119	PERI	peg.1686	PERI	peg.348	PERI
B2RML2	CYT	Q7MSY5	CYT	F5XCV8	CYT	peg.1027	CYT	peg.1879	CYT	peg.766	CYT	peg.188	CYT
B2RIL4	CYT	Q7MWJ2	CYT	F5XC63	CYT	peg.1209	CYT	peg.1591	CYT	peg.199	CYT	peg.1148	CYT
B2RLV7	CYT	Q7MTP5	CYT	F5X7Q9	unknown	peg.886	CYT	peg.1752	CYT	peg.79	CYT	peg.1501	CYT
B2RK18	CYT	Q7MVG7	CYT	F5XAD6	CYT	peg.781	CYT	peg.524	CYT	peg.687	CYT	peg.3	CYT
B2RM09	IM TM	Q7MTJ8	IM TM	F5X7W4	IM TM	peg.1904	IM TM	peg.899	IM TM	peg.2033	IM TM	peg.636	IM TM
B2RH30	OM	Q7MT75	OM	F5XAY6	OM	peg.1349	unknown	peg.1471	unknown	peg.670	unknown	peg.953	unknown
B2RRH0	CYT	Q7MU35	CYT	F5X8V6	CYT	peg.984	CYT	peg.1340	CYT	peg.1248	CYT	peg.1727	CYT
B2RHJ6	PERI	Q7MXH1	OM	F5X8No	PERI	peg.1636	PERI	peg.458	PERI	peg.452	PERI	peg.280	PERI
B2RIM2	CYT	Q7MWF7	CYT	F5XCA4	CYT	peg.1167	CYT	peg.1635	CYT	peg.1981	CYT	peg.822	CYT
B2RLN6	IM	Q7MTX7	IM	F5X7H6	IM	peg.1513	IM	peg.808	IM	peg.406	IM	peg.1051	IM
B2RIL1	IM LP	Q7MWG9	IM LP	F5XC93	IM LP	peg.1179	IM LP	peg.1623	IM LP	peg.1993	OM LP	peg.2137	IM LP
B2RJF5	CYT	Q7MVS3	CYT	F5X9R9	CYT	peg.378	CYT	peg.620	CYT	peg.257	CYT	peg.1453	CYT
B2RIT3	CYT	Q7MWA3	CYT	F5XCG6	CYT	peg.2020	CYT	peg.1047	CYT	peg.1916	CYT	peg.755	CYT
B2RK10	CYT	Q7MV73	CYT	F5XAL3	CYT	peg.1724	CYT	peg.1727	CYT	peg.1449	CYT	peg.143	CYT
B2RJ44	IM TM	Q7MUU0	IM TM	F5XCQ8	IM TM	peg.1501	IM TM	peg.873	IM TM	peg.1404	IM TM	peg.1836	IM TM
B2RIN7	CYT	Q7MWE5	CYT	F5XCB9	CYT	peg.1149	CYT	peg.1652	CYT	peg.1964	CYT	peg.808	CYT
B2RL70	CYT	Q7MX50	CYT	F5XBT4	CYT	peg.427	CYT	peg.263	CYT	peg.31	CYT	peg.887	CYT
B2RJ76	IM TM	Q7MUR3	IM TM	F5XCM0	IM TM	peg.6	IM TM	peg.844	IM TM	peg.497	IM TM	peg.2091	IM TM
B2RJ45	IM TM	Q7MUU1	IM TM	F5XCQ9	IM TM	peg.1500	IM TM	peg.874	IM TM	peg.1403	IM TM	peg.1837	IM TM
B2RJ50	PERI	Q7MUU6	PERI	F5XCR4	PERI	peg.1494	PERI	peg.880	PERI	peg.1397	PERI	peg.1575	PERI
B2RMA4	CYT	Q7MTD3	CYT	F5X850	CYT	peg.1820	CYT	peg.71	CYT	peg.1835	CYT	peg.1223	CYT
B2RHT0	PERI	Q7MU52	OM LP	F5X8Y0	OM LP	peg.1002	PERI	peg.1357	PERI	peg.644	OM LP	peg.1012	OM LP
B2RJ74	PorSS	Q7MUR6	PorSS	F5XCM3	PorSS	peg.4	PorSS	peg.846	PorSS	peg.499	PorSS	peg.2093	PorSS
B2RJ41	IM TM	Q7MUT7	IM TM	F5XCQ5	IM TM	peg.1504	IM TM	peg.870	IM TM	peg.1407	IM TM	peg.1833	IM TM
B2RHY7	OM LP	Q7MU92	OM	F5X934	OM LP	peg.1760	OM LP	peg.1184	OM LP	peg.1072	OM	peg.2064	OM LP
B2RKE5	PorSS	Q7MVM2	PorSS	F5X9X9	PorSS	peg.215	PorSS	peg.1212	PorSS	peg.359	PorSS	peg.107	PorSS
B2RKY0	IM TM	Q7MWX0	IM TM	F5XC32	IM TM	peg.537	IM TM	peg.1996	IM TM	peg.1214	IM TM	peg.1094	IM TM
B2RHP9	CYT	Q7MU25	CYT	F5X8U4	CYT	peg.972	CYT	peg.1330	CYT	peg.1238	CYT	peg.1737	CYT
B2RH98	CYT	Q7MXR1	CYT	F5X8C4	CYT	peg.1051	CYT	peg.359	CYT	peg.182	CYT	peg.1751	CYT
B2RLC9	IM TM	Q7MXA2	IM TM	F5XB94	IM TM	peg.730	IM TM	peg.208	IM TM	peg.840	IM TM	peg.255	IM TM
B2RLH6	OM LP	Q7MU12	IM TM	F5XB42	OM LP	peg.2053	OM LP	peg.166	OM LP	peg.952	OM LP	peg.1446	OM LP
B2RHM4	CYT	Q7MXE9	CYT	F5X8R3	CYT	peg.1016	CYT	peg.722	CYT	peg.936	CYT	peg.1395	CYT
B2RJS4	CYT	Q7MV06	CYT	F5XDC5	CYT	peg.2059	CYT	peg.1496	CYT	peg.435	CYT	peg.1808	CYT
B2RLC5	IM TM	Q7MX98	IM TM	F5XB98	IM TM	peg.734	IM TM	peg.212	IM TM	peg.844	IM TM	peg.259	IM TM
B2RHE2	CYT	Q7MXL8	CYT	F5X8G9	CYT	peg.1287	CYT	peg.404	CYT	peg.1663	CYT	peg.1797	CYT
B2RLB2	CYT	Q7MX86	CYT	F5XBP6	CYT	peg.748	CYT	peg.224	CYT	peg.858	CYT	peg.849	CYT

B2RI5o	OM LP	Q7MUE3	PERI	F5X997	IM TM	peg.1457	IM TM	peg.698	IM TM	peg.538	IM TM	peg.567	IM TM
B2RIH1	CYT	Q7MWK6	CYT	F5XC47	CYT	peg.1217	CYT	peg.1579	CYT	peg.189	CYT	peg.1160	CYT
B2RKQ8	CYT	Q7MWQ8	CYT	F5XBH0	CYT	peg.607	CYT	peg.1550	CYT	peg.110	CYT	peg.460	CYT
B2RJE3	IM TM	Q7MVR0	IM TM	F5X9To	IM TM	peg.254	IM TM	peg.631	IM TM	peg.246	IM TM	peg.2106	IM TM
B2RL85	PERI	Q7MX64	PERI	F5XBR9	PERI	peg.414	PERI	peg.249	PERI	peg.46	PERI	peg.874	PERI
B2RII0	PERI	Q7MWJ7	PERI	F5XC58	PERI	peg.1213	PERI	peg.1586	PERI	peg.194	PERI	peg.1153	CYT
B2RI08	CYT	Q7MUA3	CYT	F5X955	CYT	peg.1415	CYT	peg.1573	CYT	peg.1548	CYT	peg.923	CYT
B2RL40	CYT	Q7MX23	IM TM	F5XBW7	CYT	peg.459	CYT	peg.296	CYT	peg.1012	CYT	peg.502	CYT
B2RII5	CYT	Q7MWJ1	CYT	F5XC64	CYT	peg.1208	CYT	peg.1592	CYT	peg.200	CYT	peg.1147	CYT
B2RK79	CYT	Q7MVB8	CYT	F5XA90	CYT	peg.1795	CYT	peg.575	CYT	peg.756	CYT	peg.57	CYT
B2RHB5	CYT	Q7MXP3	CYT	F5X8E2	CYT	peg.1258	CYT	peg.377	CYT	peg.164	CYT	peg.1769	CYT
B2RHZ2	CYT	Q7MUB3	CYT	F5X939	CYT	peg.1401	CYT	peg.1764	CYT	peg.1582	CYT	peg.2058	CYT
B2RKM0	CYT	Q7MV40	CYT	F5XAAQ4	CYT	peg.1685	CYT	peg.1288	CYT	peg.1412	CYT	peg.1999	CYT
B2RJT5	CYT	Q7MUZ8	CYT	F5XDB0	CYT	peg.105	CYT	peg.107	CYT	peg.587	CYT	peg.1603	CYT
B2RHK4	CYT	Q7MXG3	CYT	F5X8P2	CYT	peg.1646	CYT	peg.469	CYT	peg.443	CYT	peg.1376	CYT
B2RHQ9	CYT	Q7MU34	CYT	F5X8V5	CYT	peg.983	CYT	peg.1339	CYT	peg.1247	CYT	peg.1728	CYT
B2RHL4	CYT	Q7MXI3	CYT	F5X8L3	CYT	peg.362	CYT	peg.445	CYT	peg.1099	CYT	peg.292	CYT
B2RM75	IM TM	Q7MTF6	IM TM	F5X817	IM TM	peg.1870	IM TM	peg.1538	IM TM	peg.1694	IM TM	peg.687	IM TM
B2RLP7	IM TM	Q7MTY5	IM TM	F5X7Jo	IM TM	peg.1964	IM TM	peg.797	IM TM	peg.416	IM TM	peg.1061	IM TM
B2RME7	PERI	Q7MXT3	PERI	F5X893	PERI	peg.1398	PERI	peg.23	PERI	peg.1518	PERI	peg.1173	PERI
B2RID5	CYT	Q7MV29	CYT	F5XDF8	CYT	peg.1595	CYT	peg.1089	CYT	peg.1556	CYT	peg.416	CYT
B2RGV0	IM TM	Q7MUL8	IM TM	F5XA31	IM TM	peg.627	IM TM	peg.673	IM TM	peg.1290	IM TM	peg.2047	IM TM
B2RIE7	CYT	Q7MWM7	CYT	F5XBL5	CYT	peg.2082	CYT	peg.1388	CYT	peg.1805	CYT	peg.404	CYT
B2RLF7	IM TM	Q7MXC4	IM TM	F5XB61	IM TM	peg.704	IM TM	peg.182	IM TM	peg.814	IM TM	peg.229	IM TM
B2RKS9	CYT	Q7MWS2	CYT	F5XBF1	CYT	peg.589	CYT	peg.1678	CYT	peg.128	CYT	peg.441	CYT
B2RJM4	CYT	Q7MVY2	CYT	F5X9J6	CYT	peg.304	CYT	peg.1120	CYT	peg.1685	CYT	peg.347	CYT
B2RI35	CYT	Q7MUC7	CYT	F5X982	CYT	peg.1440	CYT	peg.1960	CYT	peg.552	CYT	peg.552	CYT
B2RKZ4	OM	Q7MWY8	OM	F5XC14	OM	peg.524	OM	peg.343	OM	peg.1856	OM	peg.1080	OM
B2RL04	CYT	Q7MWZ9	CYT	F5XC02	CYT	peg.512	CYT	peg.333	CYT	peg.1867	CYT	peg.1069	CYT
B2RGQ7	CYT	Q7MXW5	CYT	F5X7C2	CYT	peg.1582	CYT	peg.1912	CYT	peg.965	CYT	peg.1250	CYT
B2RHC4	CYT	Q7MXN5	CYT	F5X8F1	CYT	peg.1268	CYT	peg.386	CYT	peg.155	CYT	peg.1778	CYT
B2RJE4	CYT	Q7MVR1	CYT	F5X9S9	CYT	peg.255	CYT	peg.630	CYT	peg.247	CYT	peg.2107	CYT
B2RK48	CYT	Q7MAW2	CYT	F5XAB3	CYT	peg.1957	CYT	peg.550	CYT	peg.732	CYT	peg.26	CYT
B2RHQ8	CYT	Q7MU33	CYT	F5X8V4	CYT	peg.982	CYT	peg.1338	CYT	peg.1246	CYT	peg.1729	CYT
B2RK93	CYT	Q7MVA5	CYT	F5XAA08	CYT	peg.1809	CYT	peg.96	CYT	peg.388	CYT	peg.72	CYT
B2RLN5	IM	Q7MTX6	IM	F5X7H5	IM	peg.1514	IM	peg.809	IM	peg.405	IM	peg.1050	IM
B2RMB3	CYT	Q7MTC5	CYT	F5X859	CYT	peg.1363	CYT	peg.59	CYT	peg.1570	CYT	peg.1233	CYT

B2RM89	CYT	Q7MTE6	CYT	F5X833	CYT	peg.685	CYT	peg.948	CYT	peg.2071	CYT	peg.2007	CYT
B2RKQ5	IM LP	Q7MWQ7	IM LP	F5XBH2	CYT	peg.609	IM LP	peg.1548	IM LP	peg.108	IM LP	peg.462	IM LP
B2RKY8	CYT	Q7MWY1	CYT	F5XC21	CYT	peg.530	CYT	peg.350	CYT	peg.1850	CYT	peg.1086	CYT
B2RL30	PorSS	F5HGU5	PorSS	F5XBX6	PorSS	peg.485	PorSS	peg.304	PorSS	peg.1004	PorSS	peg.494	PorSS
B2RKG2	CYT	Q7MVN4	CYT	F5X9W3	CYT	peg.226	CYT	peg.2015	CYT	peg.341	CYT	peg.123	CYT
B2RLE2	CYT	Q7MXB2	CYT	F5XB76	CYT	peg.719	CYT	peg.197	unknown	peg.830	CYT	peg.244	CYT
B2RI07	ECP	Q7MUA4	ECP	F5X954	ECP	peg.1414	ECP	peg.1574	ECP	peg.1549	ECP	peg.924	ECP
B2RIJ8	IM TM	Q7MWH9	IM TM	F5XC79	IM TM	peg.1194	IM TM	peg.1608	IM TM	peg.213	IM TM	peg.1133	IM TM
B2RGX1	CYT	Q7MT12	CYT	F5X7D7	CYT	peg.1570	CYT	peg.1924	CYT	peg.1147	CYT	peg.837	CYT
B2RMF8	CYT	Q7MXS2	CYT	F5X8A4	CYT	peg.2035	CYT	peg.12	CYT	peg.1529	CYT	peg.1163	CYT
B2RIX5	CYT	Q7MW68	CYT	F5XCY6	CYT	peg.1231	CYT	peg.1246	CYT	peg.469	CYT	peg.711	CYT
B2RID7	IM TM	Q7MV31	CYT	F5XDG0	CYT	peg.1977	CYT	peg.1091	CYT	peg.1554	CYT	peg.414	CYT
B2RL92	CYT	Q7MX71	CYT	F5XBR2	CYT	peg.407	CYT	peg.242	CYT	peg.53	CYT	peg.867	CYT
B2RLDo	ECP	Q7MXA3	ECP	F5XB93	ECP	peg.729	ECP	peg.207	ECP	peg.839	ECP	peg.254	ECP
B2RLM2	IM TM	Q7MTW4	IM TM	F5X7G2	IM TM	peg.1528	IM TM	peg.823	IM TM	peg.1788	IM TM	peg.1036	IM TM
B2RIY6	CYT	Q7MW56	CYT	F5XCZ8	CYT	peg.1242	CYT	peg.1258	CYT	peg.481	CYT	peg.699	CYT
B2RIM8	OM	F5HE36	OM	F5XCB0	OM	peg.1158	OM	peg.1643	OM	peg.1974	OM	peg.816	OM
B2RL43	CYT	Q7MAW7	CYT	F5XBW4	CYT	peg.456	CYT	peg.293	CYT	peg.1015	CYT	peg.505	CYT
B2RKW1	CYT	Q7MWV3	CYT	F5XBB4	CYT	peg.559	CYT	peg.2029	CYT	peg.1632	CYT	peg.1114	CYT
B2RLF0	IM LP	Q7MXB7	IM LP	F5XB68	IM LP	peg.712	IM LP	peg.190	IM LP	peg.822	IM LP	peg.237	IM LP
B2RLE7	OM	Q7MXB4	OM	F5XB71	OM	peg.715	OM	peg.193	OM	peg.826	OM	peg.240	OM
B2RLI8	CYT	Q7MU01	CYT	F5XB30	CYT	peg.1937	CYT	peg.154	CYT	peg.2129	CYT	peg.1434	CYT
B2RIU8	IM TM	Q7MW90	IM TM	F5XCl2	IM TM	peg.2005	IM TM	peg.1062	IM TM	peg.1901	IM TM	peg.739	IM TM
B2RH70	IM TM	Q7MT43	IM TM	F5XAU8	IM TM	peg.939	IM TM	peg.1225	IM TM	peg.1187	IM TM	peg.992	IM TM
B2RMG1	IM TM	Q7MXS0	IM TM	F5X8A8	IM TM	peg.2031	IM TM	peg.9	IM TM	peg.1531	IM TM	peg.1422	IM TM
B2RM68	CYT	Q7MTG2	CYT	F5X810	CYT	peg.1876	CYT	peg.1532	CYT	peg.1700	CYT	peg.681	CYT
B2RH02	OM	F5H9B8	OM	F5XAS9	OM	peg.1549	OM	peg.1447	OM	peg.1169	OM	peg.1321	OM
B2RJZ0	CYT	Q7MVJ1	CYT	F5XAG3	CYT	peg.808	CYT	peg.496	CYT	peg.304	CYT	peg.1626	CYT
B2RIK2	CYT	Q7MWH5	CYT	F5XC83	CYT	peg.1190	CYT	peg.1612	CYT	peg.217	CYT	peg.1129	CYT
B2RIX4	CYT	Q7MW69	CYT	F5XCY5	CYT	peg.1230	CYT	peg.1245	CYT	peg.468	CYT	peg.712	CYT
B2RJ47	PERI	Q7MUU3	IM TM	F5XCR1	PERI	peg.1497	PERI	peg.877	PERI	peg.1400	PERI	peg.1578	PERI
B2RLG3	CYT	Q7MU23	CYT	F5XB55	CYT	peg.699	CYT	peg.178	CYT	peg.810	CYT	peg.225	CYT
B2RIU3	CYT	Q7MW95	CYT	F5XCH7	CYT	peg.2010	CYT	peg.1057	CYT	peg.1906	CYT	peg.745	CYT
B2RIG1	PERI	Q7MWL5	PERI	F5XBN3	PERI	peg.2097	PERI	peg.1373	PERI	peg.2073	PERI	peg.1257	PERI
B2RLB4	IM TM	Q7MX88	IM TM	F5XBP4	IM TM	peg.746	IM TM	peg.222	IM TM	peg.856	IM TM	peg.847	IM TM
B2RHB3	OM LP	Q7MXP5	OM LP	F5X8D9	CYT	peg.1255	CYT	peg.375	OM LP	peg.167	CYT	peg.1766	OM LP
B2RJU6	IM TM	Q7MUZ0	IM TM	F5XDA1	IM TM	peg.117	IM TM	peg.119	IM TM	peg.576	IM TM	peg.1590	IM TM

B2RLT8	CYT	Q7MTQ9	CYT	F5X7N4	CYT	peg.871	CYT	peg.1778	CYT	peg.1126	CYT	peg.1943	CYT
B2RH26	PorSS	F5H179	PorSS	F5XAZ1	PorSS	peg.1354	PorSS	peg.1475	PorSS	peg.666	PorSS	peg.948	PorSS
B2RIG2	CYT	Q7MWL4	CYT	F5XBN4	CYT	peg.2098	CYT	peg.1372	CYT	peg.1818	CYT	peg.1911	CYT
B2RMG3	IM TM	F5H117	IM TM	F5X8Bo	IM TM	peg.2029	IM TM	peg.6	IM TM	peg.1533	IM TM	peg.1420	IM TM
B2RK12	CYT	Q7MV71	CYT	F5XAL5	CYT	peg.1721	CYT	peg.1724	CYT	peg.1446	CYT	peg.146	CYT
B2RIF5	CYT	Oo8466	CYT	F5XBM3	CYT	peg.2090	CYT	peg.1380	CYT	peg.1813	CYT	peg.396	CYT
B2RHL9	IM LP	Q7MXF4	IM LP	F5X8Q8	IM LP	peg.1010	IM LP	peg.728	CYT	peg.942	IM LP	peg.1389	IM LP
B2RIW1	IM TM	Q7MW83	IM TM	F5XCX3	IM TM	peg.1991	IM TM	peg.1075	IM TM	peg.1886	IM TM	peg.723	IM TM
B2RHF7	PERI	Q7MXK5	PERI	F5X8I4	PERI	peg.1750	PERI	peg.419	PERI	peg.1648	PERI	peg.319	PERI
B2RJL7	CYT	Q7MVX6	CYT	F5X9K6	CYT	peg.311	CYT	peg.1111	CYT	peg.932	CYT	peg.354	CYT
B2RLQ6	CYT	Q7MTU2	CYT	F5X7Ko	CYT	peg.1068	CYT	peg.1701	CYT	peg.93	CYT	peg.1980	CYT
B2RI82	IM LP	F5HFY5	ECP	G1UBV0	IM LP	peg.26	IM LP	peg.987	IM LP	peg.504	IM LP	peg.2036	IM LP
B2RKU9	CYT	Q7MWU0	CYT	F5XBC8	CYT	peg.570	CYT	peg.2042	CYT	peg.1746	CYT	peg.1203	CYT
B2RJTo	PERI	Q7MV02	PERI	F5XDB8	PERI	peg.99	PERI	peg.102	PERI	peg.2149	PERI	peg.1267	PERI
B2RM71	CYT	Q7MTF9	CYT	F5X813	CYT	peg.1873	CYT	peg.1535	CYT	peg.1697	CYT	peg.684	CYT
B2RJFo	CYT	Q7MVR8	CYT	F5X9S4	CYT	peg.274	CYT	peg.624	CYT	peg.253	CYT	peg.1582	CYT
B2RJZ4	CYT	Q7MV17	CYT	F5XAF9	CYT	peg.804	CYT	peg.500	CYT	peg.300	CYT	peg.1622	CYT
B2RGP1	IM TM	Q7MXX5	IM TM	F5X7A8	IM TM	peg.1047	IM TM	peg.1899	IM TM	peg.1046	IM TM	peg.209	IM TM
B2RL46	CYT	Q7MUD9	CYT	F5X993	CYT	peg.1453	CYT	peg.702	CYT	peg.542	CYT	peg.563	CYT
B2RH73	IM TM	Q7MT40	IM TM	F5XAU3	IM TM	peg.945	IM TM	peg.1435	IM TM	peg.1182	IM TM	peg.995	IM TM
B2RHR1	CYT	Q7MU36	CYT	F5X8V7	CYT	peg.985	CYT	peg.1341	CYT	peg.1249	CYT	peg.1726	CYT
B2RJW6	CYT	Q7MUX2	CYT	F5XCV2	CYT	peg.138	CYT	peg.751	CYT	peg.1360	CYT	peg.1661	CYT
B2RH67	CYT	Q7MT46	CYT	F5XAV1	CYT	peg.936	CYT	peg.1228	CYT	peg.1190	CYT	peg.989	CYT
B2RLP6	CYT	Q7MTY4	CYT	F5X7I9	CYT	peg.1965	CYT	peg.798	CYT	peg.415	CYT	peg.1060	CYT
B2RIR4	IM LP	Q7MWC2	IM LP	F5XCE6	IM LP	peg.1122	IM LP	peg.1735	IM LP	peg.1938	IM LP	peg.782	IM LP
B2RH24	CYT	Q7MT81	CYT	F5XAZ3	CYT	peg.1357	CYT	peg.1477	CYT	peg.663	CYT	peg.946	CYT
B2RHR5	PERI	Q7MU40	PERI	F5X8W1	PERI	peg.989	PERI	peg.1345	PERI	peg.1253	PERI	peg.1722	PERI
B2RLB1	CYT	Q7MX85	CYT	F5XBP7	CYT	peg.749	CYT	peg.225	CYT	peg.859	CYT	peg.850	CYT
B2RHM3	CYT	Q7MXFo	CYT	G1UBT7	CYT	peg.1015	CYT	peg.724	CYT	peg.937	CYT	peg.1394	CYT
B2RLF1	OM	Q7MXB8	OM	F5XB67	OM	peg.711	OM	peg.189	OM	peg.821	OM	peg.236	OM
B2RGN2	CYT	Q7MXY4	CYT	F5X799	CYT	peg.1036	CYT	peg.1888	CYT	peg.1034	CYT	peg.198	CYT
B2RJW7	CYT	Q7MUX1	CYT	F5XCV1	CYT	peg.140	CYT	peg.753	CYT	peg.1362	CYT	peg.1659	CYT
B2RJJ5	IM TM	Q7MVV6	IM TM	F5X9M9	IM TM	peg.337	IM TM	peg.139	IM TM	peg.908	IM TM	peg.377	IM TM
B2RL78	CYT	Q7MX58	CYT	F5XBS6	CYT	peg.419	CYT	peg.255	CYT	peg.39	CYT	peg.879	CYT
B2RJZ3	CYT	Q7MV18	CYT	F5XAG0	CYT	peg.805	CYT	peg.499	CYT	peg.301	CYT	peg.1623	CYT
B2RI22	CYT	Q7MUB7	CYT	F5X969	CYT	peg.1428	CYT	peg.1012	CYT	peg.566	CYT	peg.539	CYT
B2RKM6	CYT	Q7MV35	CYT	F5XDG6	CYT	peg.2055	CYT	peg.1397	CYT	peg.2122	CYT	peg.392	CYT

B2RKZ7	OM LP	Q7MWZ1	IM TM	F5XC11	OM LP	peg.520	OM LP	peg.341	OM LP	peg.1860	OM LP	peg.1077	OM LP
B2RMH8	CYT	Q7MTA8	CYT	F5XDH6	CYT	peg.923	CYT	peg.1429	CYT	peg.1605	CYT	peg.1804	CYT
B2RGP5	CYT	Q7MXX3	CYT	F5X7B1	CYT	peg.893	CYT	peg.1902	CYT	peg.1048	CYT	peg.211	CYT
B2RJ81	CYT	Q7MVJ8	CYT	F5XAH0	CYT	peg.816	CYT	peg.488	CYT	peg.311	CYT	peg.1633	CYT
B2RHK3	IM LP	Q7MXG4	IM LP	F5X8P1	IM LP	peg.1645	IM LP	peg.468	IM LP	peg.444	IM LP	peg.1375	IM LP
B2RLW5	CYT	Q7MTP0	CYT	F5X7R9	CYT	peg.1683	CYT	peg.941	CYT	peg.2077	CYT	peg.593	CYT
B2RLE4	CYT	Q7MXB3	CYT	F5XB74	CYT	peg.718	CYT	peg.196	CYT	peg.829	CYT	peg.243	CYT
B2RJW2	OM LP	Q7MUX6	CYT	F5XCV6	CYT	peg.134	CYT	peg.747	CYT	peg.1356	OM LP	peg.1665	CYT
B2RMA8	CYT	Q7MTD0	CYT	F5X854	CYT	peg.1824	CYT	peg.67	CYT	peg.1839	CYT	peg.1227	CYT
B2RIT6	IM TM	Q7MWA1	IM TM	F5XCG9	CYT	peg.2017	IM TM	peg.1050	IM TM	peg.1913	IM TM	peg.752	IM TM
B2RII1	CYT	Q7MWJ6	PERI	F5XC59	CYT	peg.1212	CYT	peg.1587	CYT	peg.195	CYT	peg.1152	CYT
B2RKI3	CYT	Q7MV70	CYT	F5XAL6	CYT	peg.1720	CYT	peg.1723	CYT	peg.1445	CYT	peg.147	CYT
B2RIU5	IM LP	Q7MW94	IM LP	F5XCH9	CYT	peg.2008	CYT	peg.1059	CYT	peg.1904	CYT	peg.743	CYT
B2RHS4	OM	Q7MU49	OM	F5X8X3	OM	peg.996	OM	peg.1352	OM	peg.1260	OM	peg.1715	OM
B2RIT8	CYT	Q7MW99	CYT	F5XCH2	CYT	peg.2015	CYT	peg.1052	CYT	peg.1911	CYT	peg.750	CYT
B2RKG0	OM LP	Q7MVN2	OM LP	F5X9W5	CYT	peg.225	OM LP	peg.1222	OM LP	peg.343	OM LP	peg.122	OM LP
B2RLL0	CYT	Q7MTV1	CYT	F5X7E9	CYT	peg.1541	CYT	peg.2058	CYT	peg.2113	CYT	peg.1023	CYT
B2RKE7	OM LP	Q7MVM4	OM	F5X9X7	OM LP	peg.217	OM LP	peg.1214	OM LP	peg.357	OM LP	peg.109	OM LP
B2RKT7	IM TM	Q7MWT0	IM TM	F5XBE3	IM TM	peg.581	IM TM	peg.1686	IM TM	peg.136	IM TM	peg.433	IM TM
B2RHL4	OM LP	Q7MXF8	CYT	F5X8Q2	CYT	peg.1005	OM LP	peg.735	OM LP	peg.2119	OM LP	peg.1384	OM LP
B2RLB7	PERI	Q7MX91	PERI	F5XBP1	PERI	peg.743	PERI	peg.219	PERI	peg.853	PERI	peg.844	PERI
B2RMA6	IM TM	Q7MTD2	IM TM	F5X852	IM TM	peg.1822	IM TM	peg.69	IM TM	peg.1837	IM TM	peg.1225	IM TM
B2RKC9	CYT	Q7MVK9	OM LP	F5X9Z4	CYT	peg.200	CYT	peg.1198	CYT	peg.375	CYT	peg.85	CYT
B2RLX1	CYT	Q7MTN4	CYT	F5X7S5	CYT	peg.1677	CYT	peg.935	CYT	peg.2083	CYT	peg.599	CYT
B2RK57	IM TM	Q7MVD4	IM TM	F5XAA3	IM TM	peg.1777	IM TM	peg.558	IM TM	peg.740	IM TM	peg.37	IM TM
B2RKF9	OM	Q7MVN1	OM	F5X9W6	OM	peg.224	OM	peg.1221	IM TM	peg.344	OM	peg.121	OM
B2RMH3	CYT	Q7MTA3	CYT	F5XDH1	CYT	peg.928	CYT	peg.1434	CYT	peg.1600	CYT	peg.1799	CYT
B2RLH7	CYT	Q7MU11	CYT	F5XB41	CYT	peg.1949	CYT	peg.165	CYT	peg.953	CYT	peg.1445	CYT
B2RIN4	CYT	Q7MWE7	CYT	F5XCB6	CYT	peg.1152	CYT	peg.1649	CYT	peg.1967	CYT	peg.810	CYT
B2RLT7	CYT	Q7MTR0	CYT	F5X7N3	CYT	peg.870	CYT	peg.1779	CYT	peg.1125	CYT	peg.1944	CYT
B2RKX5	CYT	Q7MWW6	CYT	F5XC37	CYT	peg.542	CYT	peg.1991	CYT	peg.1209	CYT	peg.1099	CYT
B2RMJ8	CYT	Q7MSZ9	CYT	F5XDJ6	CYT	peg.904	CYT	peg.1410	CYT	peg.779	CYT	peg.174	CYT
B2RHA5	CYT	Q7MXQ4	CYT	F5X8D1	CYT	peg.1060	CYT	peg.368	CYT	peg.175	CYT	peg.1758	CYT
B2RJG2	CYT	Q7MVS8	CYT	F5X9R1	CYT	peg.388	CYT	peg.1967	CYT	peg.265	CYT	peg.1460	CYT
B2RKW3	CYT	Q7MWV5	CYT	F5XBB2	CYT	peg.557	CYT	peg.2027	CYT	peg.1630	CYT	peg.1112	CYT
B2RKY4	IM TM	Q7MWX7	IM TM	F5XC25	IM TM	peg.534	IM TM	peg.354	IM TM	peg.1846	IM TM	peg.1090	IM TM
B2RHC7	unknown	Q7MXN2	unknown	F5X8F4	unknown	peg.1271	unknown	peg.389	unknown	peg.152	unknown	peg.1781	PERI



B2RKC1	CYT	Q7MVK2	CYT	F5XA04	CYT	peg.192	CYT	peg.1190	CYT	peg.384	CYT	peg.76	CYT
B2RHP3	ECP	Q7MXD2	ECP	F5X8T8	ECP	peg.967	ECP	peg.1325	ECP	peg.1233	ECP	peg.1742	ECP
B2RHH7	PERI	Q7MXI9	PERI	F5X8K3	PERI	peg.367	PERI	peg.439	PERI	peg.1093	PERI	peg.298	PERI
B2RHJ4	IM TM	Q7MXH3	IM TM	F5X8M8	IM TM	peg.1634	IM TM	peg.456	IM TM	peg.454	IM TM	peg.282	IM TM
B2RJ18	CYT	Q7MVo0	CYT	F5X9N6	CYT	peg.344	CYT	peg.146	CYT	peg.901	CYT	peg.384	CYT
B2RI23	CYT	Q7MUB8	CYT	F5X970	CYT	peg.1429	CYT	peg.1011	CYT	peg.565	CYT	peg.540	CYT
B2RKD7	IM TM	Q7MVL5	IM TM	F5X9Y6	CYT	peg.207	IM TM	peg.1204	IM TM	peg.367	IM TM	peg.100	IM TM
B2RMK0	CYT	Q7MSZ7	CYT	F5XDJ8	CYT	peg.903	CYT	peg.1409	CYT	peg.778	CYT	peg.175	CYT
B2RL10	CYT	Q7MU09	CYT	F5XB38	CYT	peg.1946	CYT	peg.162	CYT	peg.956	CYT	peg.1442	CYT
B2RIW2	IM LP	Q7MW82	CYT	F5XCX4	CYT	peg.1990	CYT	peg.1076	IM LP	peg.1885	IM LP	peg.722	IM LP
B2RHQ1	CYT	Q7MU28	CYT	F5X8U8	CYT	peg.975	CYT	peg.1332	CYT	peg.1240	CYT	peg.1735	CYT
B2RIL6	CYT	Q7MWG4	CYT	F5XC98	CYT	peg.1174	CYT	peg.1629	CYT	peg.1987	CYT	peg.828	CYT
B2RKW2	CYT	Q7MWV4	CYT	F5XBB3	CYT	peg.558	CYT	peg.2028	CYT	peg.1631	CYT	peg.1113	CYT
B2RL00	IM TM	Q7MWZ4	IM TM	F5XC07	IM TM	peg.516	IM TM	peg.337	IM TM	peg.1863	IM TM	peg.1073	IM TM
B2RH77	CYT	Q7MT36	CYT	F5XAT9	CYT	peg.949	CYT	peg.1439	CYT	peg.1178	CYT	peg.999	CYT
B2RHM2	CYT	Q7MXF1	CYT	F5X8R1	CYT	peg.1014	CYT	peg.725	CYT	peg.938	CYT	peg.1393	CYT
B2RJS9	CYT	Q7MV03	CYT	F5XDB9	CYT	peg.98	CYT	peg.101	CYT	peg.2148	CYT	peg.1268	CYT
B2RHD3	IM TM	Q7MXM6	IM TM	F5X8Go	IM TM	peg.1277	IM TM	peg.395	IM TM	peg.146	IM TM	peg.1787	IM TM
B2RH11	CYT	Q7MT94	CYT	F5XB06	CYT	peg.1087	CYT	peg.1312	CYT	peg.875	CYT	peg.933	CYT
B2RIZ1	IM TM	Q7MW51	IM TM	F5XD04	IM TM	peg.1247	IM TM	peg.1263	IM TM	peg.486	IM TM	peg.694	IM TM
B2RKH1	OM	Q7MVP2	OM	F5X9V3	OM	peg.236	OM	peg.650	OM	peg.228	OM	peg.132	OM
B2RKK5	CYT	Q7MV54	CYT	F5XAP1	CYT	peg.1697	CYT	peg.1301	CYT	peg.1425	CYT	peg.1923	CYT
B2RL64	CYT	Q7MX43	CYT	F5XBU3	CYT	peg.435	CYT	peg.270	CYT	peg.23	CYT	peg.528	CYT
B2RJR8	CYT	Q7MV12	CYT	F5XDD1	CYT	peg.2065	CYT	peg.1502	CYT	peg.429	CYT	peg.1815	CYT
B2RI64	IM TM	Q7MUF6	IM TM	F5X9B1	CYT	peg.1472	IM TM	peg.682	IM TM	peg.521	IM TM	peg.2019	IM TM
B2RLM0	CYT	Q7MTW1	IM TM	F5X7Go	IM TM	peg.1530	IM TM	peg.825	IM TM	peg.1790	IM TM	peg.1034	IM TM
B2RIE5	CYT	Q7MWM9	CYT	F5XBL3	CYT	peg.2080	CYT	peg.1390	CYT	peg.1803	CYT	peg.406	CYT
B2RJS7	PERI	Q7MV05	PERI	F5XDC1	PERI	peg.2057	PERI	peg.99	PERI	peg.2146	PERI	peg.1270	PERI
B2RKU4	CYT	Q7MWT5	CYT	F5XBD4	CYT	peg.574	CYT	peg.588	CYT	peg.1750	CYT	peg.1208	CYT
B2RJ43	IM TM	Q7MUT9	IM TM	F5XCQ7	IM TM	peg.1502	IM TM	peg.872	IM TM	peg.1405	IM TM	peg.1835	IM TM
B2RKH2	PERI	Q7MVP3	PERI	F5X9V2	PERI	peg.237	PERI	peg.649	PERI	peg.229	PERI	peg.133	PERI
B2RL18	OM LP	Q7MX05	CYT	F5XBY8	OM LP	peg.497	OM LP	peg.317	CYT	peg.992	OM LP	peg.480	OM LP
B2RKL1	IM TM	Q7MV48	IM TM	F5XAP7	IM TM	peg.1692	IM TM	peg.1295	IM TM	peg.1419	IM TM	peg.1536	IM TM
B2RL35	CYT	Q7MX19	CYT	F5XBX1	CYT	peg.463	CYT	peg.300	CYT	peg.1008	CYT	peg.498	CYT
B2RGY8	CYT	F5HFB1	CYT	F5XAR3	CYT	peg.1563	CYT	peg.1930	CYT	peg.1154	CYT	peg.1306	CYT
B2RHX4	CYT	Q7MU87	CYT	F5X925	CYT	peg.1838	CYT	peg.1171	CYT	peg.1061	CYT	peg.1408	CYT
B2RIW3	CYT	Q7MW81	CYT	F5XCX5	CYT	peg.1989	CYT	peg.1077	CYT	peg.1884	CYT	peg.721	CYT

B2RIU2	CYT	Q7MW96	CYT	F5XCH6	CYT	peg.2011	CYT	peg.1056	CYT	peg.1907	CYT	peg.746	CYT
B2RMB6	CYT	Q7MTC2	CYT	F5X862	CYT	peg.1368	CYT	peg.55	CYT	peg.1574	CYT	peg.1238	CYT
B2RLM3	CYT	Q7MTW5	CYT	F5X7G3	CYT	peg.1527	CYT	peg.822	CYT	peg.1787	CYT	peg.1037	CYT
B2RH72	PERI	Q7MT41	PERI	F5XAU6	PERI	peg.941	PERI	peg.1223	PERI	peg.1185	PERI	peg.994	PERI
B2RHX3	IM TM	Q7MU85	IM TM	F5X923	IM TM	peg.1836	IM TM	peg.1169	IM TM	peg.1059	IM TM	peg.1406	IM TM
B2RL31	PERI	Q7MX17	PERI	F5XBX5	PERI	peg.484	PERI	peg.303	PERI	peg.1005	PERI	peg.496	PERI
B2RI27	ECP	Q7MUC2	ECP	F5X974	ECP	peg.1433	ECP	peg.1006	ECP	peg.560	ECP	peg.545	ECP
B2RKC5	CYT	Q7MVK5	CYT	F5X9Z8	CYT	peg.196	CYT	peg.1194	CYT	peg.379	CYT	peg.81	CYT
B2RGM6	CYT	Q7MXZ0	CYT	F5X791	CYT	peg.1031	CYT	peg.1883	CYT	peg.762	CYT	peg.192	CYT
B2RIY0	IM TM	Q7MW63	IM TM	F5XCZ1	IM TM	peg.1236	IM TM	peg.1251	IM TM	peg.474	IM TM	peg.706	IM TM
B2RKC2	CYT	Q7MVK3	CYT	F5XA03	CYT	peg.193	CYT	peg.1191	CYT	peg.383	CYT	peg.77	CYT
B2RIS7	CYT	Q7MWB1	CYT	F5XCP9	CYT	peg.1103	CYT	peg.1040	CYT	peg.1923	CYT	peg.763	CYT
B2RJ04	CYT	Q7MW40	CYT	F5XD19	CYT	peg.842	CYT	peg.1275	CYT	peg.891	CYT	peg.1262	CYT
B2RJ49	CYT	Q7MUU5	CYT	F5XCR3	CYT	peg.1495	CYT	peg.879	CYT	peg.1398	CYT	peg.1576	CYT
B2RKD2	CYT	Q7MVL0	CYT	F5X9Z1	CYT	peg.202	CYT	peg.1199	CYT	peg.372	CYT	peg.87	CYT
B2RLo3	CYT	Q7MWZ8	CYT	F5XC03	CYT	peg.513	CYT	peg.334	CYT	peg.1866	CYT	peg.1070	CYT
B2RHC5	CYT	Q7MXN4	CYT	F5X8F2	CYT	peg.1269	CYT	peg.387	CYT	peg.154	CYT	peg.1779	CYT
B2RHN5	CYT	Q7MXD7	CYT	F5X8To	CYT	peg.961	CYT	peg.709	CYT	peg.1227	CYT	peg.1562	CYT
B2RLl5	unknown	Q7MTV6	unknown	F5X7F5	unknown	peg.1535	unknown	peg.829	CYT	peg.1795	CYT	peg.1029	unknown
B2RKC6	IM TM	Q7MVK6	IM TM	F5X9Z7	IM TM	peg.197	IM TM	peg.1195	IM TM	peg.378	IM TM	peg.82	IM TM
B2RHD1	PorSS	Q7MXM8	PorSS	F5X8F8	PorSS	peg.1275	PorSS	peg.393	PorSS	peg.148	PorSS	peg.1785	PorSS
B2RK60	CYT	F5HAV3	CYT	F5XAA0	CYT	peg.1780	CYT	peg.561	CYT	peg.743	CYT	peg.40	CYT
B2RIV2	OM	F5HG90	OM	G1UBU4	OM	peg.2001	OM	peg.1066	OM	peg.1896	OM	peg.735	OM
B2RKC8	CYT	Q7MVK8	CYT	F5X9Z5	CYT	peg.199	CYT	peg.1197	CYT	peg.376	CYT	peg.84	CYT
B2RHJ7	PERI	Q7MXH0	CYT	F5X8N1	PERI	peg.1637	PERI	peg.459	PERI	peg.451	PERI	peg.279	PERI
B2RHX2	CYT	Q7MU84	CYT	F5X922	CYT	peg.1835	CYT	peg.1168	CYT	peg.1058	CYT	peg.1405	CYT
B2RM12	CYT	Q7MTJ6	CYT	F5X7W7	CYT	peg.1906	CYT	peg.896	CYT	peg.2031	CYT	peg.639	CYT
B2RK23	ECP	Q7MUL1	ECP	F5XAD1	ECP	peg.776	CYT	peg.529	CYT	peg.713	ECP	peg.8	ECP
B2RJ85	CYT	Q7MV77	CYT	F5XAK9	CYT	peg.1727	CYT	peg.1861	CYT	peg.1453	CYT	peg.1861	CYT
B2RKZ1	CYT	Q7MWY4	CYT	F5XC18	CYT	peg.527	CYT	peg.347	CYT	peg.1853	CYT	peg.1083	CYT
B2RIL0	IM TM	Q7MWH0	IM TM	F5XC92	IM TM	peg.1180	IM TM	peg.1622	IM TM	peg.1994	IM TM	peg.2138	IM TM
B2RJV5	CYT	Q7MUY1	CYT	F5XD89	CYT	peg.128	CYT	peg.741	CYT	peg.1350	CYT	peg.275	CYT
B2RJS0	CYT	Q7MV10	CYT	F5XDC9	CYT	peg.2063	CYT	peg.1500	CYT	peg.431	CYT	peg.1813	CYT
B2RK85	CYT	Q7MVB4	CYT	F5XA78	CYT	peg.1800	CYT	peg.87	CYT	peg.398	CYT	peg.62	CYT
B2RH79	CYT	Q7MT34	CYT	F5XAT5	CYT	peg.1544	CYT	peg.1442	CYT	peg.1175	CYT	peg.1001	CYT
B2RJX9	CYT	Q7MUV9	CYT	F5XCT6	CYT	peg.155	CYT	peg.764	CYT	peg.1375	CYT	peg.1646	CYT
B2RHL0	OM	F5H9H1	OM	F5X8Q0	OM	peg.2021	OM	peg.737	OM	peg.437	OM	peg.1382	OM

B2RJ33	IM TM	Q7MUU9	IM TM	F5XCS3	IM TM	peg.167	IM TM	peg.777	IM TM	peg.1388	IM TM	peg.1286	IM TM
B2RK47	IM TM	Q7MVE1	IM TM	F5XAB4	IM TM	peg.1956	IM TM	peg.549	IM TM	peg.731	IM TM	peg.25	IM TM
B2RKQ4	IM TM	Q7MQW6	IM TM	F5XBH3	IM TM	peg.610	IM TM	peg.1547	IM TM	peg.107	IM TM	peg.463	IM TM
B2RLA4	CYT	Q7MX79	CYT	F5XBQ4	CYT	peg.756	CYT	peg.232	CYT	peg.63	CYT	peg.857	CYT
B2RJG4	CYT	Q7MVT0	CYT	F5X9Q9	CYT	peg.390	CYT	peg.1969	CYT	peg.267	CYT	peg.1462	CYT
B2RI41	CYT	Q7MUD3	CYT	F5X988	CYT	peg.1446	CYT	peg.1966	CYT	peg.546	CYT	peg.558	CYT
B2RGM9	IM TM	Q7MXV7	IM TM	F5X794	IM TM	peg.1034	IM TM	peg.1886	IM TM	peg.759	IM TM	peg.195	IM TM
B2RKK0	CYT	Q7MV57	CYT	F5XAN4	CYT	peg.1702	CYT	peg.1707	CYT	peg.1430	CYT	peg.1926	CYT
B2RJE7	OM LP	Q7MVR4	CYT	F5X9S8	CYT	peg.271	OM LP	peg.627	OM LP	peg.250	OM LP	peg.1585	OM LP
B2RRK8	OM LP	Q7MXF9	OM LP	F5X8P6	CYT	peg.1650	OM LP	peg.473	CYT	peg.439	OM LP	peg.1380	OM LP
B2RK76	CYT	Q7MVC2	CYT	F5XA87	CYT	peg.1791	CYT	peg.571	CYT	peg.752	CYT	peg.54	CYT
B2RJV0	CYT	Q7MUY6	CYT	F5XD96	CYT	peg.123	CYT	peg.125	CYT	peg.570	CYT	peg.269	CYT
B2RJJ1	IM TM	Q7MNV2	ECP	F5X9N3	CYT	peg.341	CYT	peg.143	CYT	peg.904	CYT	peg.381	CYT
B2RLR2	IM TM	Q7MTT6	IM TM	F5X7K8	IM TM	peg.1074	IM TM	peg.1695	IM TM	peg.99	IM TM	peg.1974	IM TM
B2RLF3	OM	Q7MXCo	OM	F5XB65	OM	peg.709	OM	peg.187	OM	peg.819	OM	peg.234	OM
B2RM02	OM LP	Q7MTK3	OM LP	F5X7V7	OM LP	peg.1898	CYT	peg.904	CYT	peg.2040	CYT	peg.630	CYT
B2RLJ1	CYT	Q7MTZ9	CYT	F5XB27	CYT	peg.1934	CYT	peg.1804	CYT	peg.2132	CYT	peg.1431	CYT
B2RM67	CYT	Q7MTG3	PERI	F5X809	CYT	peg.1877	CYT	peg.1531	CYT	peg.1701	CYT	peg.680	CYT
B2RL74	IM TM	Q7MX54	IM TM	F5XBTo	IM TM	peg.423	IM TM	peg.259	OM LP	peg.35	OM LP	peg.883	OM LP
B2RHNo	IM TM	Q7MXE3	IM TM	F5X8S3	IM TM	peg.955	IM TM	peg.715	IM TM	peg.1222	IM TM	peg.1568	IM TM
B2RM16	IM TM	Q7MTJ3	IM TM	F5X7X1	IM TM	peg.1912	IM TM	peg.890	IM TM	peg.2024	IM TM	peg.645	IM TM
B2RH07	CYT	Q7MT98	CYT	F5XB10	CYT	peg.1080	CYT	peg.1316	CYT	peg.880	CYT	peg.928	CYT
B2RH80	CYT	Q7MT33	CYT	F5XAT4	CYT	peg.1545	CYT	peg.1443	CYT	peg.1174	CYT	peg.1002	CYT
B2RJ26	PorSS	F5HDB6	PorSS	F5XCT0	PorSS	peg.161	PorSS	peg.770	PorSS	peg.1381	PorSS	peg.1293	PorSS
B2RLT5	PERI	Q7MTR2	CYT	F5X7N1	PERI	peg.868	PERI	peg.1781	PERI	peg.1123	PERI	peg.1946	PERI
B2RL55	CYT	Q7MX35	CYT	F5XBV2	CYT	peg.444	CYT	peg.279	CYT	peg.13	CYT	peg.519	CYT
B2RK14	CYT	Q7MVG9	CYT	F5XAD9	CYT	peg.783	CYT	peg.520	CYT	peg.685	CYT	peg.1984	CYT
B2RGN6	CYT	Q7MXYo	CYT	F5X7A3	CYT	peg.1042	CYT	peg.1894	CYT	peg.1041	CYT	peg.204	CYT
B2RKZ2	IM TM	Q7MWY5	IM TM	F5XC17	IM TM	peg.526	IM TM	peg.346	IM TM	peg.1854	IM TM	peg.1082	IM TM
B2RK10	CYT	Q7MVH3	CYT	F5XAE4	CYT	peg.788	CYT	peg.516	CYT	peg.283	CYT	peg.1989	CYT
B2RKH4	CYT	Q7MVP5	CYT	F5X9V0	CYT	peg.239	CYT	peg.647	CYT	peg.231	CYT	peg.135	CYT
B2RJK1	CYT	Q7MVW1	CYT	F5X9M3	CYT	peg.331	CYT	peg.133	CYT	peg.914	CYT	peg.371	CYT
B2RMB8	PERI	Q7MTC0	PERI	F5X864	PERI	peg.1370	PERI	peg.53	PERI	peg.1576	PERI	peg.1240	PERI
B2RLZ9	PERI	Q7MTK6	PERI	F5X7V4	PERI	peg.1895	PERI	peg.907	CYT	peg.2043	PERI	peg.627	PERI
B2RIQ3	OM	Q9S3R9	OM	F5XCD6	OM	peg.1132	OM	peg.1668	OM	peg.1947	OM	peg.791	OM
B2RI37	IM TM	Q7MUC9	IM TM	F5X984	IM TM	peg.1442	IM TM	peg.1962	IM TM	peg.550	IM TM	peg.554	IM TM
B2RIE2	CYT	Q7MWN2	CYT	F5XBL0	CYT	peg.2077	CYT	peg.1392	CYT	peg.1801	CYT	peg.409	CYT

B2RKR4	CYT	Q7MWR2	CYT	F5XBG5	CYT	peg.602	CYT	peg.1555	CYT	peg.115	CYT	peg.456	CYT
B2RM82	CYT	Q7MTF3	CYT	F5X826	CYT	peg.692	CYT	peg.955	CYT	peg.2064	CYT	peg.2014	CYT
B2RK54	CYT	Q7MVD6	CYT	F5XAA6	CYT	peg.1774	CYT	peg.556	CYT	peg.738	CYT	peg.34	CYT
B2RJo6	OM	Q7MW38	OM	F5XD21	OM	peg.839	OM	peg.1985	OM	peg.1137	OM	peg.1506	OM
B2RM99	PERI	Q7MTD8	PERI	F5X844	CYT	peg.1815	CYT	peg.76	CYT	peg.1830	CYT	peg.1218	CYT
B2RIX8	CYT	Q7MW65	CYT	F5XCY9	CYT	peg.1234	CYT	peg.1249	CYT	peg.472	CYT	peg.708	CYT
B2RJV9	CYT	Q7MUX9	CYT	F5XD86	CYT	peg.131	CYT	peg.744	CYT	peg.1353	CYT	peg.1668	CYT
B2RI58	CYT	Q7MUF1	CYT	F5X9A5	CYT	peg.1465	CYT	peg.690	CYT	peg.530	CYT	peg.575	CYT
B2RH14	PERI	Q7MT91	PERI	F5XB03	PERI	peg.1090	PERI	peg.1309	PERI	peg.872	PERI	peg.936	PERI
B2RJW5	CYT	Q7MUX3	CYT	F5XCV3	CYT	peg.137	CYT	peg.750	CYT	peg.1359	CYT	peg.1662	CYT
B2RHR6	CYT	Q7MU41	CYT	F5X8W2	CYT	peg.990	CYT	peg.1346	CYT	peg.1254	CYT	peg.1721	CYT
B2RHK9	PorSS	F5HE64	PorSS	F5X8P7	PorSS	peg.1651	PorSS	peg.474	PorSS	peg.438	PorSS	peg.1381	PorSS
B2RIU9	CYT	Q7MW89	CYT	F5XCI3	CYT	peg.2004	CYT	peg.1063	CYT	peg.1900	CYT	peg.738	CYT
B2RJQ2	CYT	Q7MV23	CYT	F5XDF1	CYT	peg.1588	CYT	peg.1082	CYT	peg.1564	CYT	peg.591	CYT
B2RLP8	CYT	Q7MTY6	ECP	F5X7J1	CYT	peg.1963	CYT	peg.796	CYT	peg.418	CYT	peg.1062	CYT
B2RLF5	CYT	Q7MXC2	CYT	F5XB63	CYT	peg.706	CYT	peg.184	CYT	peg.816	CYT	peg.231	CYT
B2RMK5	CYT	Q7MSZ2	CYT	F5XDK3	CYT	peg.897	CYT	peg.1401	CYT	peg.773	CYT	peg.181	CYT
B2RLG1	IM TM	Q7MXC6	CYT	F5XB57	IM TM	peg.701	IM TM	peg.180	IM TM	peg.812	IM TM	peg.227	IM TM
B2RJ31	IM LP	Q7MUV1	IM LP	F5XCS5	IM LP	peg.165	IM LP	peg.775	IM LP	peg.1386	IM LP	peg.1288	IM LP
B2RHH7	CYT	Q7MU77	CYT	F5X910	CYT	peg.1626	CYT	peg.1856	CYT	peg.612	CYT	peg.1866	CYT
B2RHP1	CYT	Q7MXD4	CYT	F5X8T6	CYT	peg.965	CYT	peg.1323	CYT	peg.1231	CYT	peg.1744	CYT
B2RHC8	CYT	Q7MXN1	CYT	F5X8F5	CYT	peg.1272	CYT	peg.390	CYT	peg.151	CYT	peg.1782	CYT
B2RIP8	CYT	Q7MWD4	CYT	F5XCD1	CYT	peg.1137	CYT	peg.1663	CYT	peg.1952	CYT	peg.796	CYT
B2RKW7	IM LP	Q7MWV9	IM LP	F5XBA8	IM LP	peg.553	IM LP	peg.2023	IM LP	peg.1626	IM LP	peg.1108	IM LP
B2RM04	CYT	Q7MTK2	CYT	F5X7V9	CYT	peg.1900	CYT	peg.903	CYT	peg.2038	CYT	peg.632	CYT
B2RH65	CYT	Q7MT48	CYT	F5XAV3	CYT	peg.934	CYT	peg.1230	CYT	peg.1192	CYT	peg.987	CYT
B2RMF6	CYT	Q7MXS4	CYT	F5X8A2	CYT	peg.2037	CYT	peg.14	CYT	peg.1527	CYT	peg.1165	CYT
B2RMD1	IM TM	Q7MXU8	IM TM	F5X878	IM TM	peg.1382	IM TM	peg.40	IM TM	peg.1502	IM TM	peg.1188	IM TM
B2RGN7	IM TM	Q7MXX9	IM TM	F5X7A4	IM TM	peg.1043	IM TM	peg.1895	IM TM	peg.1042	IM TM	peg.205	IM TM
B2RJV3	OM LP	Q7MUY3	PERI	F5XD92	OM LP	peg.126	OM LP	peg.739	OM LP	peg.1348	OM LP	peg.273	OM LP
B2RL38	PERI	Q7MX21	PERI	F5XBW9	PERI	peg.461	PERI	peg.298	PERI	peg.1010	PERI	peg.500	PERI
B2RHX0	IM TM	Q7MU82	IM TM	F5X920	IM TM	peg.1833	IM TM	peg.1166	IM TM	peg.1056	IM TM	peg.1403	IM TM
B2RJ87	CYT	Q7MV79	CYT	F5XAK7	CYT	peg.1730	CYT	peg.1863	CYT	peg.1457	CYT	peg.1859	CYT
B2RLJ3	CYT	Q7MTZ7	CYT	F5XB25	CYT	peg.1932	CYT	peg.1806	CYT	peg.2134	CYT	peg.1429	CYT
B2RJ46	CYT	Q7MUU2	CYT	F5XCR0	CYT	peg.1498	CYT	peg.876	CYT	peg.1401	CYT	peg.1579	CYT
B2RJB6	PERI	Q7MV95	PERI	F5XA16	PERI	peg.91	PERI	peg.476	PERI	peg.592	PERI	peg.1828	PERI
B2RI47	IM TM	Q7MUE0	IM TM	F5X994	IM TM	peg.1454	IM TM	peg.701	IM TM	peg.541	IM TM	peg.564	IM TM

B2RJW1	CYT	Q7MUX7	CYT	F5XD84	CYT	peg.133	CYT	peg.746	CYT	peg.1355	CYT	peg.1666	CYT
B2RKCo	OM LP	F5HF80	OM LP	F5XA05	OM LP	peg.191	OM LP	peg.1189	OM LP	peg.385	OM LP	peg.75	OM LP
B2RLA2	IM TM	Q7MX77	IM TM	F5XBQ6	IM TM	peg.758	IM TM	peg.234	IM TM	peg.61	IM TM	peg.859	IM TM
B2RJE8	CYT	Q7MVR6	CYT	F5X9S6	CYT	peg.272	CYT	peg.626	CYT	peg.251	CYT	peg.1584	CYT
B2RK49	CYT	Q7MVE0	CYT	F5XAB2	CYT	peg.1958	CYT	peg.551	CYT	peg.733	CYT	peg.27	CYT
B2RK05	OM LP	Q7MVH7	CYT	F5XAE9	OM LP	peg.793	OM LP	peg.511	OM LP	peg.289	OM LP	peg.1994	OM LP
B2RLC6	CYT	Q7MX99	CYT	F5XB97	CYT	peg.733	CYT	peg.211	CYT	peg.843	CYT	peg.258	CYT
B2RHMo	CYT	Q7MXF3	CYT	F5X8Q9	CYT	peg.1011	CYT	peg.727	CYT	peg.941	CYT	peg.1390	CYT
B2RLD4	IM TM	Q7MXA7	IM TM	F5XB89	IM TM	peg.725	IM TM	peg.203	IM TM	peg.835	IM TM	peg.250	IM TM
B2RHL5	PERI	Q7MXF7	PERI	F5X8Q3	PERI	peg.1006	PERI	peg.734	OM LP	peg.2118	PERI	peg.1385	PERI
B2RH82	OM LP	Q7MT31	OM LP	F5XAT2	OM LP	peg.1547	CYT	peg.1445	OM LP	peg.1172	OM LP	peg.1004	OM LP
B2RIC8	CYT	F5HE54	CYT	G1UBT6	CYT	peg.1589	CYT	peg.1083	CYT	peg.1563	CYT	peg.423	CYT
B2RJ59	CYT	Q7MUS8	CYT	F5XCP0	CYT	peg.825	CYT	peg.859	CYT	peg.67	CYT	peg.1555	CYT
B2RJS3	CYT	Q7MV07	CYT	F5XDC6	CYT	peg.2060	CYT	peg.1497	CYT	peg.434	CYT	peg.1809	CYT
B2RHZ6	CYT	Q7MUA9	CYT	F5X943	CYT	peg.1405	CYT	peg.1760	CYT	peg.1586	CYT	peg.2054	CYT
B2RJL9	PERI	Q7MVX8	CYT	F5X9K4	CYT	peg.309	PERI	peg.1113	CYT	peg.456	CYT	peg.352	CYT
B2RLC0	CYT	Q7MX93	CYT	F5XBA3	CYT	peg.739	CYT	peg.217	CYT	peg.849	CYT	peg.264	CYT
B2RKE0	CYT	Q7MVL7	CYT	F5X9Y3	CYT	peg.211	CYT	peg.1208	CYT	peg.363	CYT	peg.103	CYT
B2RL58	IM TM	Q7MX38	IM TM	F5XBU9	IM TM	peg.441	IM TM	peg.276	IM TM	peg.17	IM TM	peg.522	IM TM
B2RKQ3	CYT	Q7MWQ5	CYT	F5XBH4	CYT	peg.611	CYT	peg.1546	CYT	peg.106	CYT	peg.464	CYT
B2RM23	PERI	Q7MT19	PERI	F5X7X8	PERI	peg.1921	PERI	peg.882	PERI	peg.2016	PERI	peg.654	PERI
B2RJZ6	CYT	Q7MV15	CYT	F5XAP7	CYT	peg.802	CYT	peg.502	CYT	peg.298	CYT	peg.1620	CYT
B2RIU0	CYT	Q7MW97	CYT	F5XCH4	CYT	peg.2013	CYT	peg.1054	CYT	peg.1909	CYT	peg.748	CYT
B2RHF8	CYT	Q7MXK4	CYT	F5X8I5	CYT	peg.1748	CYT	peg.421	CYT	peg.1646	CYT	peg.317	CYT
B2RHE4	CYT	Q7MXL6	CYT	F5X8H1	CYT	peg.1289	CYT	peg.406	CYT	peg.1661	CYT	peg.332	CYT
B2RHS9	PERI	F5HDD2	PERI	F5X8X9	PERI	peg.1001	PERI	peg.1356	PERI	peg.646	PERI	peg.1010	PERI
B2RI32	PERI	Q7MUC5	ECP	F5X979	PERI	peg.1437	PERI	peg.1957	PERI	peg.555	PERI	peg.549	PERI
B2RI33	PERI	F5H8T8	PERI	F5X980	PERI	peg.1438	PERI	peg.1958	PERI	peg.554	PERI	peg.550	PERI
B2RH00	IM TM	Q7MT27	IM TM	F5XAS6	IM TM	peg.1552	IM TM	peg.1942	IM TM	peg.1166	IM TM	peg.1318	IM TM
B2RHZ7	IM TM	Q7MUA8	IM TM	F5X944	IM TM	peg.1406	IM TM	peg.1759	IM TM	peg.1587	IM TM	peg.2053	IM TM
B2RL50	CYT	Q7MX32	CYT	F5XBV7	CYT	peg.449	CYT	peg.285	CYT	peg.7	CYT	peg.513	CYT
B2RH66	IM TM	Q7MT47	IM TM	F5XAV2	IM TM	peg.935	IM TM	peg.1229	IM TM	peg.1191	IM TM	peg.988	IM TM
B2RHP5	CYT	Q7MXD0	CYT	F5X8U0	CYT	peg.969	CYT	peg.1327	CYT	peg.1235	CYT	peg.1740	CYT
B2RHH4	OM	Q7MXJ2	OM	F5X8K0	OM	peg.370	OM	peg.436	OM	peg.1090	OM	peg.301	OM
B2RJK9	CYT	Q7MVW8	CYT	F5X9L4	CYT	peg.322	CYT	peg.1101	CYT	peg.922	CYT	peg.363	CYT
B2RI56	CYT	Q7MUE9	CYT	F5X9A3	CYT	peg.1463	CYT	peg.692	CYT	peg.532	CYT	peg.573	CYT
B2RJB5	CYT	Q7MV94	IM TM	F5XAI7	CYT	peg.92	CYT	peg.475	CYT	peg.593	CYT	peg.1827	CYT

B2RHP7	OM LP	Q7MXC8	OM LP	F5X8U2	OM LP	peg.970	OM LP	peg.1328	OM LP	peg.1236	OM LP	peg.1739	OM LP
B2RIL3	CYT	Q7MWG7	CYT	F5XC95	CYT	peg.1177	CYT	peg.1626	CYT	peg.1990	CYT	peg.2134	CYT
B2RIY9	CYT	Q7MW53	CYT	F5XD01	CYT	peg.1245	CYT	peg.1261	CYT	peg.484	CYT	peg.696	CYT
B2RKE2	CYT	Q7MVL9	CYT	F5X9Y1	CYT	peg.213	CYT	peg.1210	CYT	peg.361	CYT	peg.105	CYT
B2RJG3	CYT	Q7MVS9	CYT	F5X9R0	CYT	peg.389	CYT	peg.1968	CYT	peg.266	CYT	peg.1461	CYT
B2RLC3	IM TM	Q7MX96	IM TM	F5XBA0	IM TM	peg.736	IM TM	peg.214	IM TM	peg.846	IM TM	peg.261	IM TM
B2RHT6	CYT	Q7MU57	CYT	F5X8Y6	CYT	peg.1488	CYT	peg.1363	CYT	peg.638	CYT	peg.1018	CYT
B2RLR9	IM TM	Q7MTS9	IM TM	F5X7L5	IM TM	peg.852	IM TM	peg.1797	IM TM	peg.1105	IM TM	peg.1967	IM TM
B2RLD1	IM TM	Q7MXA4	IM TM	F5XB92	IM TM	peg.728	IM TM	peg.206	IM TM	peg.838	IM TM	peg.253	IM TM
B2RLI3	CYT	Q7MU06	CYT	F5XB35	CYT	peg.1943	CYT	peg.159	CYT	peg.959	CYT	peg.1439	CYT
B2RKW9	CYT	Q7MWW1	CYT	F5XBA6	CYT	peg.551	CYT	peg.2021	CYT	peg.1624	CYT	peg.1106	CYT
B2RHB0	OM	Q7MXP8	OM	F5X8D6	OM	peg.1252	OM	peg.372	OM	peg.170	OM	peg.1763	OM
B2RKJ6	CYT	Q7MV59	CYT	F5XAN0	CYT	peg.1706	CYT	peg.1711	CYT	peg.1434	CYT	peg.1930	CYT
B2RLZ0	CYT	Q7MTL5	CYT	F5X7U4	CYT	peg.1659	CYT	peg.917	CYT	peg.2101	CYT	peg.617	CYT
B2RHP2	CYT	Q7MXD3	CYT	F5X8T7	CYT	peg.966	CYT	peg.1324	CYT	peg.1232	CYT	peg.1743	CYT
B2RHT3	IM TM	Q7MU55	IM TM	F5X8Y3	IM TM	peg.1491	IM TM	peg.1360	IM TM	peg.641	IM TM	peg.1015	IM TM
B2RMC4	IM TM	Q7MXV5	IM TM	F5X871	IM TM	peg.1376	IM TM	peg.46	IM TM	peg.1495	IM TM	peg.1195	IM TM
B2RJZ1	CYT	Q7MVJ0	CYT	F5XAG2	CYT	peg.807	CYT	peg.497	CYT	peg.303	CYT	peg.1625	CYT
B2RJN6	CYT	Q7MVZ2	CYT	F5X9J3	CYT	peg.293	CYT	peg.1131	CYT	peg.1674	CYT	peg.336	CYT
B2RHD6	IM TM	Q7MXM4	IM TM	F5X8G3	IM TM	peg.1280	IM TM	peg.398	IM TM	peg.143	IM TM	peg.1790	IM TM
B2RJ40	CYT	Q7MUT6	CYT	F5XCQ4	CYT	peg.1505	CYT	peg.869	CYT	peg.1408	CYT	peg.1832	CYT
B2RII3	PERI	Q7MWJ4	PERI	F5XC61	PERI	peg.1210	PERI	peg.1590	PERI	peg.198	PERI	peg.1149	PERI
B2RJZ2	CYT	Q7MVI9	CYT	F5XAG1	CYT	peg.806	CYT	peg.498	CYT	peg.302	CYT	peg.1624	CYT
B2RL47	CYT	Q7MX29	CYT	F5XBW0	CYT	peg.452	CYT	peg.288	CYT	peg.4	CYT	peg.510	CYT
B2RMD5	OM	Q7MXU4	OM	F5X882	OM	peg.1386	OM	peg.35	OM	peg.1506	OM	peg.1184	OM
B2RIM0	CYT	Q7MWF9	CYT	F5XCA2	CYT	peg.1169	CYT	peg.1633	CYT	peg.1983	CYT	peg.824	CYT
B2RLS4	CYT	Q7MTS1	CYT	F5X7M1	CYT	peg.859	CYT	peg.1791	CYT	peg.1114	CYT	peg.1957	CYT
B2RLM7	CYT	Q7MTW9	CYT	F5X7G7	CYT	peg.1523	CYT	peg.818	CYT	peg.1783	CYT	peg.1041	CYT
B2RL56	IM TM	Q7MX36	IM TM	F5XBV1	IM TM	peg.443	IM TM	peg.278	IM TM	peg.14	IM TM	peg.520	IM TM
B2RIJ4	PERI	Q7MUE7	PERI	F5X9A1	PERI	peg.1461	PERI	peg.694	PERI	peg.534	PERI	peg.571	PERI
B2RJ42	IM TM	Q7MUT8	IM TM	F5XCQ6	IM TM	peg.1503	IM TM	peg.871	IM TM	peg.1406	IM TM	peg.1834	IM TM
B2RII8	IM TM	Q7MWI8	IM TM	F5XC67	IM TM	peg.1205	IM TM	peg.1595	IM TM	peg.203	IM TM	peg.1144	IM TM
B2RKJ4	CYT	Q7MV60	CYT	F5XAM8	CYT	peg.1707	CYT	peg.1712	CYT	peg.1436	CYT	peg.1931	CYT
B2RHFO	CYT	Q7MXL1	CYT	F5X8H7	CYT	peg.1295	CYT	peg.412	CYT	peg.1655	CYT	peg.326	CYT
B2RIR6	OM LP	Q7MWC1	OM LP	F5XCE8	OM LP	peg.1120	CYT	peg.1733	OM LP	peg.1936	CYT	peg.778	CYT
B2RK83	CYT	Q7MVB5	CYT	F5XA80	CYT	peg.1798	CYT	peg.85	CYT	peg.400	CYT	peg.60	CYT
B2RMK6	IM TM	Q7MSZ1	IM TM	F5XDK4	IM TM	peg.896	IM TM	peg.1400	IM TM	peg.772	IM TM	peg.182	IM TM

B2RKR9	CYT	Q7MWR6	CYT	F5XBG1	CYT	peg.598	CYT	peg.1559	CYT	peg.119	CYT	peg.452	CYT
B2RI63	CYT	Q7MUF5	CYT	F5X9Bo	CYT	peg.1471	CYT	peg.683	CYT	peg.522	CYT	peg.2018	CYT
B2RKC7	CYT	Q7MVK7	CYT	F5X9Z6	OM LP	peg.198	OM LP	peg.1196	OM LP	peg.377	OM LP	peg.83	OM LP
B2RLR7	CYT	Q7MTT1	CYT	F5X7L3	CYT	peg.850	CYT	peg.1799	CYT	peg.1103	CYT	peg.1969	CYT
B2RIQ2	OM	Q9S3R8	OM	F5XCD5	OM	peg.1133	OM	peg.1667	OM	peg.1948	OM	peg.792	OM
B2RLE9	IM TM	Q7MXB6	IM TM	F5XB69	IM TM	peg.713	IM TM	peg.191	IM TM	peg.824	IM TM	peg.238	IM TM
B2RLNo	CYT	Q7MTX2	CYT	F5X7Ho	CYT	peg.1520	CYT	peg.815	CYT	peg.1780	CYT	peg.1044	CYT
B2RI28	IM TM	Q7MUC3	IM TM	F5X975	IM TM	peg.1434	IM TM	peg.1005	IM TM	peg.559	IM TM	peg.546	IM TM
B2RHM5	CYT	Q7MXE8	CYT	F5X8R4	CYT	peg.1017	CYT	peg.721	CYT	peg.935	CYT	peg.1396	CYT
B2RLV8	CYT	Q7MTP4	CYT	F5X7Ro	CYT	peg.887	CYT	peg.1753	CYT	peg.78	CYT	peg.1502	CYT
B2RML1	IM TM	Q7MSY6	IM TM	F5XCV7	IM TM	peg.1026	IM TM	peg.1878	IM TM	peg.767	IM TM	peg.187	IM TM
B2RHH1	OM	Q7MXJ5	OM	F5X8J7	OM	peg.373	OM	peg.433	OM	peg.1087	OM	peg.304	OM
B2RHC3	IM TM	Q7MXN6	IM TM	F5X8Fo	IM TM	peg.1267	IM TM	peg.385	IM TM	peg.156	IM TM	peg.1777	IM TM
B2RID3	CYT	Q7MV27	CYT	F5XDF6	CYT	peg.1593	CYT	peg.1087	CYT	peg.1558	CYT	peg.418	CYT
B2RLVo	PERI	Q7MTQ1	PERI	F5X7Qo	PERI	peg.879	PERI	peg.1745	PERI	peg.86	PERI	peg.1494	PERI
B2RI52	IM TM	Q7MUE5	IM TM	F5X999	IM TM	peg.1459	IM TM	peg.696	IM TM	peg.536	IM TM	peg.569	IM TM
B2RL9o	IM TM	Q7MX69	IM TM	F5XBR4	IM TM	peg.409	IM TM	peg.244	IM TM	peg.51	IM TM	peg.869	IM TM
B2RJM8	CYT	Q7MVY6	CYT	F5X9J2	CYT	peg.300	CYT	peg.1124	CYT	peg.1681	CYT	peg.343	CYT
B2RLC8	IM TM	Q7MXA1	IM TM	F5XB95	IM TM	peg.731	IM TM	peg.209	IM TM	peg.841	IM TM	peg.256	IM TM
B2RJ3o	CYT	Q7MUV2	CYT	F5XCS6	CYT	peg.164	CYT	peg.774	CYT	peg.1385	CYT	peg.1289	CYT
B2RIN1	IM TM	Q7MWFo	IM TM	F5XCB3	IM TM	peg.1155	IM TM	peg.1646	IM TM	peg.1970	IM TM	peg.813	IM TM
B2RHU6	CYT	Q7MU67	CYT	F5X8Z8	CYT	peg.1611	CYT	peg.1842	CYT	peg.627	CYT	peg.1877	CYT
B2RJ02	CYT	Q7MW42	CYT	F5XD17	CYT	peg.844	CYT	peg.1273	CYT	peg.889	CYT	peg.1260	CYT
B2RIX6	CYT	Q7MW67	CYT	F5XCY7	CYT	peg.1232	CYT	peg.1247	CYT	peg.470	CYT	peg.710	CYT
B2RGQ8	CYT	Q7MXW4	CYT	F5X7C3	CYT	peg.1581	CYT	peg.1913	CYT	peg.964	CYT	peg.1249	CYT
B2RMF7	CYT	Q7MXS3	CYT	F5X8A3	CYT	peg.2036	CYT	peg.13	CYT	peg.1528	CYT	peg.1164	CYT
B2RMD6	IM TM	Q7MXU3	IM TM	F5X883	IM TM	peg.1387	IM TM	peg.34	IM TM	peg.1507	IM TM	peg.1183	IM TM
B2RK29	CYT	Q7MVFo	CYT	F5XAC5	CYT	peg.769	CYT	peg.535	CYT	peg.719	CYT	peg.14	CYT
B2RLEo	CYT	Q7MXBo	CYT	F5XB78	CYT	peg.721	CYT	peg.199	CYT	peg.832	CYT	peg.246	CYT
B2RIR8	CYT	F5HDSo	CYT	G1UBU1	CYT	peg.1117	CYT	peg.1731	CYT	peg.1933	CYT	peg.775	CYT
B2RLS7	CYT	Q7MTR8	CYT	F5X7M4	CYT	peg.862	CYT	peg.1788	CYT	peg.1117	CYT	peg.1953	CYT
B2RIM4	PERI	Q7MWF4	PERI	F5XCA7	PERI	peg.1164	PERI	peg.1638	PERI	peg.1978	PERI	peg.820	PERI
B2RJJ9	IM TM	Q7MVV9	IM TM	F5X9M5	IM TM	peg.333	IM TM	peg.135	IM TM	peg.912	IM TM	peg.373	IM TM
B2RMB2	CYT	Q7MTC6	CYT	F5X858	CYT	peg.1362	CYT	peg.60	CYT	peg.1569	CYT	peg.1232	CYT
B2RII7	CYT	Q7MW19	CYT	F5XC66	CYT	peg.1206	CYT	peg.1594	CYT	peg.202	CYT	peg.1145	CYT
B2RKT8	CYT	Q7MWT1	CYT	F5XBE2	CYT	peg.580	CYT	peg.1687	CYT	peg.137	CYT	peg.432	CYT
B2RK95	CYT	Q7MVA3	CYT	F5XAo6	CYT	peg.1811	CYT	peg.98	CYT	peg.386	CYT	peg.74	CYT

B2RKZ8	IM TM	Q7MWZ2	IM TM	F5XC10	IM TM	peg.519	IM TM	peg.340	IM TM	peg.1861	IM TM	peg.1076	IM TM
B2RGZ1	IM TM	Q7MT20	IM TM	F5XAR6	IM TM	peg.1560	IM TM	peg.1934	IM TM	peg.1158	IM TM	peg.1310	IM TM
B2RHD4	PERI	Q7MXM5	PERI	F5X8G1	PERI	peg.1278	PERI	peg.396	PERI	peg.145	PERI	peg.1788	PERI
B2RJM6	CYT	Q7MVY4	CYT	F5X9J4	CYT	peg.302	CYT	peg.1122	CYT	peg.1683	CYT	peg.345	CYT
B2RLA7	CYT	Q7MX81	CYT	F5XBQ1	CYT	peg.753	CYT	peg.229	CYT	peg.863	CYT	peg.854	CYT
B2RLB6	PERI	Q7MX90	PERI	F5XBP2	PERI	peg.744	PERI	peg.220	PERI	peg.854	PERI	peg.845	PERI
B2RID0	CYT	Q7MV24	CYT	F5XDF3	CYT	peg.1590	CYT	peg.1084	CYT	peg.1562	CYT	peg.422	CYT
B2RJ35	IM TM	Q7MUU7	IM TM	F5XCS1	IM TM	peg.169	IM TM	peg.779	IM TM	peg.1390	IM TM	peg.1284	IM TM
B2RH36	PERI	Q7MT69	CYT	F5XAY0	CYT	peg.1343	PERI	peg.1464	PERI	peg.677	PERI	peg.960	PERI
B2RLT9	CYT	Q7MTQ8	CYT	F5X7N5	CYT	peg.872	CYT	peg.1777	CYT	peg.1127	CYT	peg.1942	CYT
B2RK56	CYT	Q7MVD5	CYT	F5XAA4	CYT	peg.1775	CYT	peg.557	CYT	peg.739	CYT	peg.35	CYT
B2RJB0	CYT	Q7MV92	CYT	F5XAI9	CYT	peg.95	CYT	peg.781	CYT	peg.596	CYT	peg.1824	CYT
B2RGM7	IM TM	Q7MX9	IM TM	F5X792	IM TM	peg.1032	IM TM	peg.1884	IM TM	peg.761	IM TM	peg.193	IM TM
B2RLJ7	IM TM	Q7MW10	IM TM	F5XC78	IM TM	peg.1195	CYT	peg.1607	CYT	peg.212	CYT	peg.1134	IM TM
B2RK80	CYT	Q7MVB7	CYT	F5XA91	CYT	peg.1796	CYT	peg.576	CYT	peg.757	CYT	peg.58	CYT
B2RMF2	IM LP	Q7MXS8	IM LP	F5X897	IM LP	peg.2042	IM LP	peg.19	IM LP	peg.1522	IM LP	peg.1170	IM LP
B2RJX6	CYT	Q7MUW2	CYT	F5XCT9	CYT	peg.152	CYT	peg.761	CYT	peg.1372	CYT	peg.1649	CYT
B2RKM5	CYT	Q7MV36	CYT	F5XDG7	CYT	peg.2056	CYT	peg.1398	CYT	peg.2121	CYT	peg.391	CYT
B2RI21	CYT	Q7MUB6	CYT	F5X968	CYT	peg.1427	CYT	peg.1013	CYT	peg.567	CYT	peg.538	CYT
B2RLA5	ECP	Q7MX80	ECP	F5XBQ3	ECP	peg.755	ECP	peg.231	ECP	peg.864	ECP	peg.856	ECP
B2RKG7	CYT	Q7MVN8	CYT	F5X9V8	CYT	peg.232	CYT	peg.655	CYT	peg.224	CYT	peg.128	CYT
B2RHP8	CYT	Q7MXC7	CYT	F5X8U3	CYT	peg.971	CYT	peg.1329	CYT	peg.1237	CYT	peg.1738	CYT
B2RLE1	CYT	Q7MXB1	CYT	F5XB77	CYT	peg.720	CYT	peg.198	CYT	peg.831	CYT	peg.245	CYT
B2RHV2	CYT	Q7MU73	CYT	F5X905	CYT	peg.1620	CYT	peg.1850	CYT	peg.618	CYT	peg.1871	CYT
B2RHE6	CYT	Q7MXL4	CYT	F5X8H3	CYT	peg.1291	CYT	peg.408	CYT	peg.1659	CYT	peg.330	CYT
B2RL88	CYT	Q7MX67	CYT	F5XBR6	CYT	peg.411	CYT	peg.246	CYT	peg.49	CYT	peg.871	CYT
B2RIV2	CYT	Q7MW61	CYT	F5XCZ3	CYT	peg.1238	CYT	peg.1253	CYT	peg.476	CYT	peg.704	CYT
B2RL36	CYT	Q7MX20	CYT	F5XBX0	CYT	peg.462	CYT	peg.299	CYT	peg.1009	CYT	peg.499	CYT
B2RJZ8	CYT	Q7MV13	CYT	F5XAF5	CYT	peg.800	CYT	peg.504	CYT	peg.296	CYT	peg.1618	CYT
B2RHP4	IM TM	Q7MXD1	IM TM	F5X8T9	IM TM	peg.968	IM TM	peg.1326	IM TM	peg.1234	IM TM	peg.1741	IM TM
B2RIW7	CYT	Q7MW78	CYT	F5XCX8	CYT	peg.1224	CYT	peg.1239	CYT	peg.461	CYT	peg.718	CYT
B2RJ48	CYT	Q7MUU4	IM TM	F5XCR2	CYT	peg.1496	CYT	peg.878	CYT	peg.1399	IM TM	peg.1577	IM TM
B2RGQ0	CYT	Q7MXW9	CYT	F5X7B6	CYT	peg.888	CYT	peg.1907	CYT	peg.1596	CYT	peg.216	CYT
B2RHZ0	unknown	Q7MU95	unknown	F5X937	unknown	peg.1763	unknown	peg.1765	IM TM	peg.1075	IM TM	peg.2060	IM TM
B2RKW4	CYT	Q7MWV6	CYT	F5XBB1	CYT	peg.556	CYT	peg.2026	CYT	peg.1629	CYT	peg.1111	CYT
B2RH16	IM TM	Q7MT89	IM TM	F5XB01	IM TM	peg.1093	IM TM	peg.1307	IM TM	peg.870	IM TM	peg.938	IM TM
B2RHU7	CYT	Q7MU68	CYT	F5X8Z9	CYT	peg.1612	CYT	peg.1843	CYT	peg.626	CYT	peg.1876	CYT



B2RH83	CYT	Q7MT30	CYT	F5XAT1	CYT	peg.1548	CYT	peg.1446	CYT	peg.1171	CYT	peg.1005	CYT
B2RLX5	ECP	Q7MTN0	ECP	F5X7S9	ECP	peg.1674	ECP	peg.932	ECP	peg.2086	ECP	peg.602	ECP
B2RM91	IM TM	Q7MTE4	IM TM	F5X836	IM TM	peg.1600	IM TM	peg.946	IM TM	peg.2061	IM TM	peg.2004	IM TM
B2RHL8	CYT	Q7MXF5	CYT	F5X8Q7	PERI	peg.1009	PERI	peg.729	PERI	peg.943	PERI	peg.1388	PERI
B2RJ05	CYT	Q7MW39	CYT	F5XD20	CYT	peg.841	CYT	peg.1276	CYT	peg.892	CYT	peg.1263	CYT
B2RGN4	CYT	Q7MX2	CYT	F5X7A1	CYT	peg.1039	CYT	peg.1891	CYT	peg.1037	CYT	peg.201	CYT
B2RLQ4	CYT	Q7MTU4	CYT	F5X7J8	CYT	peg.1066	CYT	peg.1703	CYT	peg.91	CYT	peg.1982	CYT
B2RHR7	CYT	Q7MU42	CYT	F5X8W3	CYT	peg.991	CYT	peg.1347	CYT	peg.1255	CYT	peg.1720	CYT
B2RJ54	CYT	Q7MUT3	CYT	F5XCP6	CYT	peg.818	CYT	peg.864	CYT	peg.73	CYT	peg.1561	CYT
B2RKT4	CYT	Q7MWS7	CYT	F5XBE6	CYT	peg.584	CYT	peg.1683	CYT	peg.133	CYT	peg.436	CYT
B2RIV1	CYT	Q7MW87	CYT	F5XCW1	CYT	peg.2002	CYT	peg.1065	CYT	peg.1898	CYT	peg.736	CYT
B2RHJ1	CYT	Q7MXH6	CYT	F5X8M4	CYT	peg.353	CYT	peg.452	CYT	peg.655	CYT	peg.285	CYT
B2RJT8	CYT	Q7MUZ5	CYT	F5XDA7	CYT	peg.109	CYT	peg.111	CYT	peg.584	CYT	peg.1599	CYT
B2RI59	CYT	Q7MUF2	CYT	F5X9A6	CYT	peg.1466	CYT	peg.689	CYT	peg.529	CYT	peg.576	CYT
B2RK91	CYT	Q7MVA7	CYT	F5XA65	CYT	peg.1806	CYT	peg.93	CYT	peg.391	CYT	peg.69	CYT
B2RLRo	CYT	Q7MIT8	CYT	F5X7K4	CYT	peg.1072	CYT	peg.1697	CYT	peg.97	CYT	peg.1976	CYT
B2RKWo	IM TM	Q7MWV2	IM TM	F5XBB5	IM TM	peg.560	IM TM	peg.2030	IM TM	peg.1633	IM TM	peg.1115	IM TM
B2RJR1	IM TM	Q7MV18	IM TM	F5XDE1	IM TM	peg.2104	IM TM	peg.1510	IM TM	peg.2170	IM TM	peg.1484	IM TM
B2RKN6	CYT	Q7MWP2	CYT	F5XBj9	CYT	peg.1851	CYT	peg.1822	CYT	peg.331	CYT	peg.2124	CYT
B2RIU6	CYT	Q7MW92	CYT	F5XC10	CYT	peg.2007	CYT	peg.1060	CYT	peg.1903	CYT	peg.741	CYT
B2RKH3	PERI	Q7MVP4	PERI	F5X9V1	CYT	peg.238	CYT	peg.648	CYT	peg.230	CYT	peg.134	PERI
B2RM07	CYT	Q7MTK0	CYT	F5X7W2	CYT	peg.1902	CYT	peg.901	CYT	peg.2035	CYT	peg.634	CYT
B2RJ58	OM	Q7MUS9	OM	F5XCP2	ECP	peg.822	ECP	peg.860	OM	peg.69	ECP	peg.1557	ECP
B2RM73	IM TM	Q7MTP7	IM TM	F5X815	IM TM	peg.1871	IM TM	peg.1537	IM TM	peg.1695	IM TM	peg.686	IM TM
B2RGR7	IM TM	Q7MXV8	IM TM	F5X7D2	IM TM	peg.1574	IM TM	peg.1921	IM TM	peg.1144	IM TM	peg.834	IM TM
B2RLA9	IM TM	Q7MX83	IM TM	F5XBP9	IM TM	peg.751	IM TM	peg.227	IM TM	peg.861	IM TM	peg.852	IM TM
B2RKH8	IM TM	Q7MV75	IM LP	F5XAL1	IM LP	peg.1725	IM LP	peg.1729	IM LP	peg.1451	IM LP	peg.141	CYT
B2RH49	CYT	Q7MT59	CYT	F5XAW8	CYT	peg.1328	CYT	peg.1450	CYT	peg.801	CYT	peg.971	CYT
B2RHY0	CYT	Q59677	CYT	F5X927	CYT	peg.1753	CYT	peg.1174	CYT	peg.1064	CYT	peg.1411	CYT
B2RJK7	IM TM	Q7MVW6	IM TM	F5X9L6	IM TM	peg.324	IM TM	peg.1099	IM TM	peg.920	IM TM	peg.365	IM TM
B2RJZ9	CYT	Q7MVI2	CYT	F5XAF4	CYT	peg.799	CYT	peg.505	CYT	peg.295	CYT	peg.1617	CYT
B2RLN7	CYT	Q7MTX8	CYT	F5X7H7	CYT	peg.1512	CYT	peg.807	CYT	peg.407	CYT	peg.1052	CYT
B2RJU8	IM TM	Q7MUY8	IM TM	F5XD99	IM TM	peg.119	IM TM	peg.121	IM TM	peg.574	IM TM	peg.1588	IM TM
B2RIP9	CYT	Q7MWD3	CYT	F5XCD2	CYT	peg.1136	CYT	peg.1664	CYT	peg.1951	CYT	peg.795	CYT
B2RGZ5	OM	Q7MT24	OM	F5XAS0	OM	peg.1556	OM	peg.1938	OM	peg.1162	OM	peg.1314	OM
B2RK30	CYT	Q7MVE9	CYT	F5XAC4	CYT	peg.768	CYT	peg.536	CYT	peg.720	CYT	peg.15	CYT
B2RH43	CYT	Q7MT64	CYT	F5XAX3	CYT	peg.1335	CYT	peg.1457	CYT	peg.795	CYT	peg.966	CYT

B2RHQ2	CYT	Q7MU29	CYT	F5X8U9	CYT	peg.977	CYT	peg.1333	CYT	peg.1241	CYT	peg.1734	CYT
B2RLL1	CYT	Q7MTV2	CYT	F5X7F1	CYT	peg.1539	CYT	peg.1516	CYT	peg.1799	CYT	peg.1025	CYT
B2RJF4	PERI	Q7MVS0	PERI	F5X9S0	PERI	peg.377	PERI	peg.621	PERI	peg.256	PERI	peg.1452	PERI
B2RHY6	CYT	Q7MU91	CYT	F5X933	CYT	peg.1759	CYT	peg.1183	CYT	peg.1071	CYT	peg.2065	CYT
B2RML4	PERI	Q7MSY3	PERI	F5XCW0	PERI	peg.1029	PERI	peg.1881	PERI	peg.764	PERI	peg.190	PERI
B2RGZ6	OM LP	F5HAH6	OM LP	F5XAS1	OM LP	peg.1555	OM LP	peg.1939	OM LP	peg.1163	OM LP	peg.1315	OM LP
B2RHE9	CYT	F5HHQ9	CYT	F5X8H6	CYT	peg.1294	CYT	peg.411	CYT	peg.1656	CYT	peg.327	CYT
B2RIM9	OM LP	Q7MWF2	OM LP	F5XCB1	OM LP	peg.1157	OM LP	peg.1644	OM LP	peg.1973	OM LP	peg.815	CYT
B2RIV5	PERI	Q7MW57	PERI	F5XCZ7	CYT	peg.1241	PERI	peg.1257	PERI	peg.480	PERI	peg.700	CYT
B2RK67	CYT	Q7MVC7	CYT	F5XA94	CYT	peg.1785	CYT	peg.566	CYT	peg.748	CYT	peg.45	CYT
B2RL28	IM TM	Q7MX14	IM TM	F5XBX8	IM TM	peg.487	IM TM	peg.306	IM TM	peg.1002	IM TM	peg.492	IM TM
B2RH50	CYT	Q7MT58	CYT	F5XAW7	CYT	peg.1327	CYT	peg.1449	CYT	peg.802	CYT	peg.972	CYT
B2RKX1	CYT	Q7MWW2	CYT	F5XBA4	CYT	peg.547	CYT	peg.2018	CYT	peg.1620	CYT	peg.1103	CYT
B2RHQ6	CYT	Q7MU31	CYT	F5X8V2	CYT	peg.980	CYT	peg.1336	CYT	peg.1244	CYT	peg.1731	CYT
B2RMI3	CYT	Q7MTB3	CYT	F5XD10	CYT	peg.919	CYT	peg.1424	CYT	peg.1610	CYT	peg.159	CYT
B2RHS8	OM LP	Q7MU51	OM LP	F5X8X8	OM LP	peg.1000	OM LP	peg.1355	OM LP	peg.647	CYT	peg.1009	CYT
B2RHW9	IM TM	Q7MU81	IM TM	F5X919	IM TM	peg.1832	IM TM	peg.1165	IM TM	peg.1055	IM TM	peg.1402	IM TM
B2RKJo	PERI	Q7MV63	PERI	F5XAM4	PERI	peg.1712	PERI	peg.1715	PERI	peg.1438	PERI	peg.156	CYT
B2RKR0	IM TM	Q7MWR0	IM TM	F5XBG8	IM TM	peg.605	IM TM	peg.1552	IM TM	peg.112	IM TM	peg.458	IM TM
B2RL17	OM LP	Q7MX04	OM LP	F5XBY9	OM LP	peg.498	OM LP	peg.318	OM LP	peg.991	OM LP	peg.479	OM LP
B2RLE8	IM	Q7MXB5	IM	F5XB70	IM	peg.714	IM	peg.192	IM	peg.825	IM	peg.239	IM
B2RJ60	IM TM	Q7MUS7	IM TM	F5XCN9	IM TM	peg.826	IM TM	peg.858	IM TM	peg.66	IM TM	peg.1553	IM TM
B2RKQ6	OM	F5H9J5	OM	F5XBH1	OM	peg.608	OM	peg.1549	OM	peg.109	OM	peg.461	OM
B2RHR4	CYT	Q7MU39	CYT	F5X8W0	CYT	peg.988	CYT	peg.1344	CYT	peg.1252	CYT	peg.1723	CYT
B2RLD5	PERI	Q7MXA8	PERI	F5XB88	PERI	peg.724	PERI	peg.202	PERI	peg.834	PERI	peg.249	PERI
B2RHT2	IM TM	Q7MU54	IM TM	F5X8Y2	IM TM	peg.1492	IM TM	peg.1359	IM TM	peg.642	IM TM	peg.1014	IM TM
B2RKL7	CYT	Q7MV42	CYT	F5XAQ2	CYT	peg.1687	CYT	peg.1290	CYT	peg.1414	CYT	peg.1541	CYT
B2RKK6	CYT	Q7MV53	CYT	F5XAP2	CYT	peg.1696	CYT	peg.1300	CYT	peg.1424	CYT	peg.1922	CYT
B2RK13	CYT	Q7MVH0	CYT	F5XAE0	CYT	peg.784	CYT	peg.519	CYT	peg.684	CYT	peg.1985	CYT
B2RLN8	CYT	Q7MTX9	CYT	F5X7H8	CYT	peg.1511	CYT	peg.806	CYT	peg.408	CYT	peg.1053	CYT
B2RKY7	PERI	Q7MWY0	PERI	F5XC22	PERI	peg.531	PERI	peg.351	PERI	peg.1849	PERI	peg.1087	PERI
B2RHX5	IM TM	Q7MU88	IM TM	F5X926	IM TM	peg.1839	IM TM	peg.1172	IM TM	peg.1062	IM TM	peg.1409	IM TM
B2RIN3	PERI	Q7MWE8	PERI	F5XCB5	PERI	peg.1153	PERI	peg.1648	PERI	peg.1968	PERI	peg.811	PERI
B2RKG5	CYT	Q7MVN7	CYT	F5X9W0	CYT	peg.229	CYT	peg.658	CYT	peg.222	CYT	peg.126	CYT
B2RLJ3	CYT	Q7MW12	CYT	F5XC74	CYT	peg.1199	CYT	peg.1603	CYT	peg.208	CYT	peg.1138	CYT
B2RJ14	CYT	Q7MUR0	CYT	F5XCL7	CYT	peg.9	CYT	peg.970	CYT	peg.494	CYT	peg.1671	CYT
B2RH12	ECP	Q7MT93	ECP	F5XB05	ECP	peg.1088	ECP	peg.1311	ECP	peg.874	ECP	peg.934	ECP

B2RMA7	IM TM	Q7MTD1	IM TM	F5X853	IM TM	peg.1823	IM TM	peg.68	IM TM	peg.1838	IM TM	peg.1226	IM TM
B2RMF5	PERI	Q7MXS5	CYT	F5X8A0	CYT	peg.2038	CYT	peg.15	PERI	peg.1526	CYT	peg.1166	CYT
B2RHU4	CYT	Q7MU65	CYT	F5X8Z6	CYT	peg.1609	CYT	peg.1840	CYT	peg.629	CYT	peg.1879	CYT
B2R JL2	CYT	Q7MVX1	CYT	F5X9L1	CYT	peg.316	CYT	peg.1106	CYT	peg.927	CYT	peg.359	CYT
B2RJ70	PERI	Q7MUR9	PERI	F5XCM7	PERI	peg.1	PERI	peg.848	CYT	peg.789	PERI	peg.1544	PERI
B2RMC7	IM TM	Q7MXV2	IM TM	F5X874	IM TM	peg.1378	IM TM	peg.44	IM TM	peg.1498	IM TM	peg.1192	IM TM
B2RK45	CYT	Q7MVE3	CYT	F5XAB6	CYT	peg.1954	CYT	peg.547	CYT	peg.729	CYT	peg.23	CYT
B2RGN5	CYT	Q7MXY1	CYT	F5X7A2	CYT	peg.1040	CYT	peg.1892	CYT	peg.1038	CYT	peg.202	CYT
B2RJX7	CYT	Q7MUW1	CYT	F5XCT8	CYT	peg.153	CYT	peg.762	CYT	peg.1373	CYT	peg.1648	CYT
B2RHQ0	CYT	Q7MU26	CYT	F5X8U6	CYT	peg.974	CYT	peg.1331	CYT	peg.1239	CYT	peg.1736	CYT
B2RL26	PERI	Q7MX12	PERI	F5XBY0	PERI	peg.489	PERI	peg.308	PERI	peg.1000	PERI	peg.490	PERI
B2RH17	CYT	Q7MT88	CYT	F5XB00	CYT	peg.1094	CYT	peg.1306	CYT	peg.869	CYT	peg.939	CYT
B2RH97	IM TM	Q7MXR2	IM TM	F5X8C3	IM TM	peg.1050	IM TM	peg.358	IM TM	peg.183	IM TM	peg.1750	IM TM
B2RJG7	PERI	Q7MVT3	PERI	F5X9Q6	CYT	peg.394	PERI	peg.1972	PERI	peg.271	PERI	peg.1466	PERI
B2RMK3	CYT	Q7MSZ4	CYT	F5XDK1	ECP	peg.900	ECP	peg.1404	ECP	peg.775	CYT	peg.179	ECP
B2RIK9	CYT	Q7MWH1	CYT	F5XC91	CYT	peg.1181	CYT	peg.1621	CYT	peg.1995	CYT	peg.2139	CYT
B2RJJ8	CYT	F5HFT7	CYT	G1UBU2	CYT	peg.334	CYT	peg.136	CYT	peg.911	CYT	peg.374	CYT
B2RIJ5	IM TM	Q7MVU7	IM TM	F5X9N9	IM TM	peg.347	IM TM	peg.149	IM TM	peg.898	IM TM	peg.387	IM TM
B2RI88	ECP	P19665	ECP	F5X9D5	ECP	peg.21	ECP	peg.982	ECP	peg.2000	ECP	peg.1713	ECP
B2RL02	CYT	Q7MWZ6	CYT	F5XC05	CYT	peg.514	CYT	peg.335	CYT	peg.1865	CYT	peg.1071	CYT
B2RI68	CYT	Q7MUF8	CYT	F5X9B5	CYT	peg.39	CYT	peg.1001	CYT	peg.517	CYT	peg.2023	CYT
B2RL96	IM TM	Q7MX73	IM TM	F5XBR1	IM TM	peg.763	IM TM	peg.239	IM TM	peg.56	IM TM	peg.865	IM TM
B2RIR3	CYT	Q7MWC3	CYT	F5XCE5	CYT	peg.1123	CYT	peg.1736	CYT	peg.1939	CYT	peg.783	CYT
B2RI01	OM	Q7MUA6	OM	F5X948	OM	peg.1410	OM	peg.1756	OM	peg.1593	OM	peg.2049	OM
B2RK31	IM TM	Q7MVE8	IM TM	F5XAC3	IM TM	peg.767	IM TM	peg.538	IM TM	peg.721	IM TM	peg.16	IM TM
B2RI15	CYT	Q7MU97	CYT	F5X962	CYT	peg.1422	CYT	peg.1566	CYT	peg.1541	CYT	peg.916	CYT
B2RK94	CYT	Q7MVA4	CYT	F5XA07	CYT	peg.1810	CYT	peg.97	CYT	peg.387	CYT	peg.73	CYT
B2RHY9	CYT	Q7MAV7	CYT	F5X936	CYT	peg.1762	CYT	peg.1766	CYT	peg.1074	CYT	peg.2061	CYT
B2RJA9	CYT	Q7MV93	CYT	F5XA18	CYT	peg.94	CYT	peg.780	CYT	peg.595	CYT	peg.1825	CYT
B2RGX0	CYT	Q7MT13	CYT	F5X7D8	CYT	peg.1569	CYT	peg.1925	CYT	peg.1148	CYT	peg.838	CYT
B2RIG6	IM TM	Q7MWL0	IM TM	F5XBN8	IM TM	peg.2102	IM TM	peg.1367	IM TM	peg.1823	IM TM	peg.1916	IM TM
B2RM19	CYT	Q7MTJ2	CYT	F5X7X4	CYT	peg.1916	CYT	peg.886	CYT	peg.2020	CYT	peg.649	CYT
B2RHDO	CYT	Q7MXM9	CYT	F5X8F7	CYT	peg.1274	CYT	peg.392	CYT	peg.149	CYT	peg.1784	CYT
B2RK24	CYT	Q7MVG1	CYT	F5XAD0	CYT	peg.775	CYT	peg.530	CYT	peg.714	CYT	peg.9	CYT
B2RKR7	CYT	Q7MWR4	CYT	F5XBG3	CYT	peg.600	CYT	peg.1557	CYT	peg.117	CYT	peg.454	CYT
B2RM10	CYT	Q7MTJ7	CYT	F5X7W5	CYT	peg.1905	CYT	peg.898	CYT	peg.2032	CYT	peg.637	CYT
B2RHH6	CYT	Q9AGG3	CYT	F5X8K2	CYT	peg.368	CYT	peg.438	CYT	peg.1092	CYT	peg.299	CYT

B2RJJ7	OM LP	Q7MVV8	PERI	F5X9M7	PERI	peg.335	PERI	peg.137	PERI	peg.910	OM LP	peg.375	PERI
B2RJQ5	CYT	Q7MV20	CYT	F5XDE8	CYT	peg.1585	CYT	peg.1079	CYT	peg.1567	CYT	peg.588	CYT
B2RMA1	CYT	Q7MTD6	CYT	F5X847	CYT	peg.1817	CYT	peg.74	CYT	peg.1832	CYT	peg.1220	CYT
B2RJN0	CYT	Q7MVY8	CYT	F5X9J0	CYT	peg.298	CYT	peg.1126	CYT	peg.1679	CYT	peg.341	CYT
B2RJ32	CYT	Q7MUV0	CYT	F5XCS4	CYT	peg.166	CYT	peg.776	CYT	peg.1387	CYT	peg.1287	CYT
B2RIN2	CYT	Q7MWE9	CYT	F5XCB4	CYT	peg.1154	CYT	peg.1647	CYT	peg.1969	CYT	peg.812	CYT
B2RJ65	CYT	Q7MAW0	CYT	F5XCN2	CYT	peg.832	CYT	peg.852	CYT	peg.2144	CYT	peg.1549	CYT
B2RMC6	CYT	Q7MXV3	CYT	F5X873	CYT	peg.1377	CYT	peg.45	CYT	peg.1497	CYT	peg.1193	CYT
B2RKV9	IM TM	Q7M WV1	IM TM	F5XBB6	IM TM	peg.561	IM TM	peg.2031	IM TM	peg.1634	CYT	peg.1116	IM TM
B2RMJ6	CYT	Q7MT02	CYT	F5XDJ3	CYT	peg.906	CYT	peg.1412	CYT	peg.781	CYT	peg.172	CYT
B2RLL2	CYT	Q7MTV3	CYT	F5X7F2	CYT	peg.1538	CYT	peg.832	CYT	peg.1798	CYT	peg.1026	CYT
B2RMJ5	CYT	Q7MT03	CYT	F5XDJ2	CYT	peg.907	CYT	peg.1413	CYT	peg.782	CYT	peg.171	CYT
B2RLM1	IM TM	Q7MTW3	IM TM	F5X7G1	IM TM	peg.1529	IM TM	peg.824	IM TM	peg.1789	IM TM	peg.1035	IM TM
B2RJV1	CYT	Q7MUY5	CYT	F5XD95	CYT	peg.124	CYT	peg.126	CYT	peg.569	CYT	peg.270	CYT
B2RK33	PERI	Q7MVE6	PERI	F5XAC0	PERI	peg.1924	PERI	peg.542	PERI	peg.724	PERI	peg.19	PERI
B2RMD7	OM LP	Q7MXU2	ECP	F5X884	OM LP	peg.1388	OM LP	peg.33	PERI	peg.1508	OM LP	peg.1182	ECP
B2RHD8	CYT	Q7MXM2	CYT	F5X8G5	CYT	peg.1282	CYT	peg.400	CYT	peg.141	CYT	peg.1792	CYT
B2RME0	CYT	Q7MXT9	CYT	F5X886	CYT	peg.1391	CYT	peg.30	CYT	peg.1511	CYT	peg.1180	CYT
B2RIK8	CYT	Q7MWH2	CYT	F5XC90	CYT	peg.1182	CYT	peg.1620	CYT	peg.1996	CYT	peg.2140	CYT
B2RKP3	CYT	Q7MWP9	CYT	F5XBI7	CYT	peg.1859	CYT	peg.1831	CYT	peg.972	CYT	peg.2118	CYT
B2RI12	OM LP	Q7MUA0	CYT	F5X959	OM LP	peg.1419	OM LP	peg.1569	OM LP	peg.1544	OM LP	peg.919	OM LP
B2RJL1	IM LP	Q7MVX0	IM LP	F5X9L2	IM LP	peg.320	IM LP	peg.1103	IM LP	peg.924	IM LP	peg.361	IM LP
B2RJU1	CYT	Q7MUZ2	CYT	F5XDA5	CYT	peg.112	CYT	peg.114	CYT	peg.581	CYT	peg.1595	CYT
B2RK00	CYT	Q7MV11	CYT	F5XAF3	CYT	peg.798	CYT	peg.506	CYT	peg.294	CYT	peg.1616	CYT
B2RKN2	IM TM	Q7MWN8	IM TM	F5XBK2	IM TM	peg.1848	IM TM	peg.1819	IM TM	peg.327	IM TM	peg.2127	IM TM
B2RH19	IM TM	Q7MT86	IM TM	F5XAZ8	CYT	peg.1096	CYT	peg.1304	CYT	peg.867	CYT	peg.941	CYT
B2RI55	CYT	Q7MUE8	CYT	F5X9A2	CYT	peg.1462	CYT	peg.693	CYT	peg.533	CYT	peg.572	CYT
B2RIT2	OM LP	Q7MWA5	OM LP	F5XCG4	PERI	peg.1097	PERI	peg.1046	OM LP	peg.1917	PERI	peg.756	PERI
B2RH76	IM LP	Q7MT37	IM LP	F5XAU0	IM LP	peg.948	IM LP	peg.1438	IM LP	peg.1179	IM LP	peg.998	IM LP
B2RKN5	CYT	Q7MWP1	CYT	F5XBK0	CYT	peg.1850	CYT	peg.1821	CYT	peg.330	CYT	peg.2125	CYT
B2RLJ6	CYT	Q7MTZ5	CYT	F5XB22	CYT	peg.1930	CYT	peg.1808	CYT	peg.2137	CYT	peg.1427	CYT
B2RI53	IM TM	Q7MUE6	IM TM	F5X9A0	IM TM	peg.1460	IM TM	peg.695	IM TM	peg.535	IM TM	peg.570	IM TM
B2RL27	PERI	Q7MX13	PERI	F5XBX9	PERI	peg.488	PERI	peg.307	PERI	peg.1001	PERI	peg.491	PERI
B2RH85	CYT	Q7MTA0	CYT	F5XAR2	CYT	peg.1840	CYT	peg.1318	CYT	peg.882	CYT	peg.1481	CYT
B2RJK6	IM TM	Q7MVW5	IM TM	F5X9L7	IM TM	peg.325	IM TM	peg.1098	IM TM	peg.919	IM TM	peg.366	IM TM
B2RIS5	IM TM	Q7MWB5	IM TM	F5XCF5	IM TM	peg.1108	IM TM	peg.1035	IM TM	peg.1926	IM TM	peg.768	IM TM
B2RJK0	CYT	Q7MVW0	CYT	F5X9M4	CYT	peg.332	CYT	peg.134	CYT	peg.913	CYT	peg.372	CYT

B2RLD2	CYT	Q7MXA5	CYT	F5XB91	CYT	peg.727	CYT	peg.205	CYT	peg.837	CYT	peg.252	CYT
B2RH68	CYT	Q7MT45	CYT	F5XAV0	CYT	peg.937	CYT	peg.1227	CYT	peg.1189	CYT	peg.990	CYT
B2RHT5	IM TM	Q7MU56	IM TM	F5X8Y5	IM TM	peg.1489	IM TM	peg.1362	IM TM	peg.639	IM TM	peg.1017	IM TM
B2RL69	CYT	Q7MX49	CYT	F5XBT5	CYT	peg.428	CYT	peg.264	CYT	peg.30	CYT	peg.888	CYT
B2RM20	IM TM	Q7MTJ1	IM TM	F5X7X5	IM TM	peg.1917	IM TM	peg.885	IM TM	peg.2019	IM TM	peg.650	IM TM
B2RJU7	PERI	Q7MUY9	PERI	F5XDA0	PERI	peg.118	PERI	peg.120	PERI	peg.575	PERI	peg.1589	PERI
B2RLJ5	CYT	Q7MTZ6	CYT	F5XB23	CYT	peg.1931	CYT	peg.1807	CYT	peg.2136	CYT	peg.1428	CYT
B2RMBo	OM	Q7MTC8	OM	F5X856	OM	peg.1827	OM	peg.63	OM	peg.1843	OM	peg.1231	OM
B2RL25	CYT	Q7MX11	CYT	F5XBY1	CYT	peg.490	CYT	peg.309	CYT	peg.999	CYT	peg.489	CYT
B2RIM5	OM	Q7MWF3	ECP	F5XCA8	OM	peg.1163	OM	peg.1639	OM	peg.1977	OM	peg.819	OM
B2RIQ1	CYT	Q7MWD1	CYT	F5XCD4	CYT	peg.1134	CYT	peg.1666	CYT	peg.1949	CYT	peg.793	CYT
B2RL86	CYT	Q7MX65	CYT	F5XBR8	CYT	peg.413	CYT	peg.248	CYT	peg.47	CYT	peg.873	CYT
B2RIV3	IM TM	Q7MW60	IM TM	F5XCZ4	IM TM	peg.1239	IM TM	peg.1254	IM TM	peg.477	IM TM	peg.703	IM TM
B2RHQ7	IM TM	Q7MU32	IM TM	F5X8V3	IM TM	peg.981	IM TM	peg.1337	IM TM	peg.1245	IM TM	peg.1730	IM TM
B2RHZ4	OM LP	Q7MUB1	OM LP	F5X941	OM LP	peg.1403	OM LP	peg.1762	OM LP	peg.1584	OM LP	peg.2056	PERI
B2RJR6	CYT	Q7MV14	CYT	F5XDD3	CYT	peg.2067	CYT	peg.1504	CYT	peg.427	CYT	peg.1817	CYT
B2RLW1	CYT	Q7MTP2	CYT	F5X7R5	CYT	peg.2075	CYT	peg.1767	CYT	peg.1777	CYT	peg.1998	CYT
B2RH61	CYT	Q7MT51	CYT	F5XAV7	CYT	peg.930	CYT	peg.1234	CYT	peg.1197	CYT	peg.982	CYT
B2RLT2	OM LP	Q7MTR3	OM LP	F5X7M9	OM LP	peg.867	OM LP	peg.1783	OM LP	peg.1122	OM LP	peg.1948	OM LP
B2RLG5	CYT	Q7MU21	CYT	F5XB53	CYT	peg.697	CYT	peg.176	CYT	peg.808	CYT	peg.223	CYT
B2RKR8	CYT	Q7MWR5	CYT	F5XBG2	CYT	peg.599	CYT	peg.1558	CYT	peg.118	CYT	peg.453	CYT
B2RH18	PERI	Q7MT87	PERI	F5XAZ9	CYT	peg.1095	CYT	peg.1305	CYT	peg.868	PERI	peg.940	CYT
B2RIR7	PERI	Q7MWC0	PERI	F5XCE9	PERI	peg.1118	PERI	peg.1732	PERI	peg.1934	PERI	peg.776	PERI
B2RJD9	CYT	Q7MVQ8	CYT	F5X9T2	CYT	peg.250	CYT	peg.635	CYT	peg.242	CYT	peg.2080	CYT
B2RGP0	CYT	Q7MXX6	CYT	F5X7A7	CYT	peg.1046	CYT	peg.1898	CYT	peg.1045	CYT	peg.208	CYT
B2RHE8	CYT	Q7MXL2	CYT	F5X8H5	CYT	peg.1293	CYT	peg.410	CYT	peg.1657	CYT	peg.328	CYT
B2RHI7	CYT	Q7MXI0	CYT	F5X8L6	CYT	peg.359	CYT	peg.448	CYT	peg.1102	CYT	peg.289	CYT
B2RMK8	CYT	Q7MSY9	CYT	F5XDK7	CYT	peg.1023	CYT	peg.1875	CYT	peg.770	CYT	peg.184	CYT
B2RM98	CYT	Q7MTD9	CYT	F5X843	CYT	peg.1814	CYT	peg.77	CYT	peg.1829	CYT	peg.1217	CYT
B2RKW8	CYT	Q7MWW0	CYT	F5XBA7	CYT	peg.552	CYT	peg.2022	CYT	peg.1625	CYT	peg.1107	CYT
B2RIE1	PERI	Q7MWN3	ECP	F5XBK9	PERI	peg.2076	PERI	peg.1393	PERI	peg.1800	PERI	peg.410	PERI
B2RL76	CYT	Q7MX56	CYT	F5XBS8	CYT	peg.421	CYT	peg.257	CYT	peg.37	CYT	peg.881	CYT
B2RK59	IM TM	Q7MVD2	IM TM	F5XAA1	IM TM	peg.1779	IM TM	peg.560	IM TM	peg.742	IM TM	peg.39	IM TM
B2RHF1	CYT	Q7MXL0	CYT	F5X8H8	CYT	peg.1296	CYT	peg.413	CYT	peg.1654	CYT	peg.325	CYT
B2RMC1	OM LP	F5HAC9	OM LP	F5X867	OM LP	peg.1373	OM LP	peg.49	OM LP	peg.1579	OM LP	peg.1243	OM LP
B2RJM0	CYT	Q7MVX9	CYT	F5X9K2	CYT	peg.308	CYT	peg.1114	CYT	peg.1690	CYT	peg.351	CYT
B2RHB2	CYT	Q7MXP6	CYT	F5X8D8	CYT	peg.1254	CYT	peg.374	CYT	peg.168	CYT	peg.1765	CYT

B2RKM7	CYT	Q7MV34	CYT	F5XDG5	CYT	peg.2054	CYT	peg.1396	CYT	peg.2123	CYT	peg.393	CYT
B2RGZ0	IM TM	Q7MT19	IM TM	F5XAR5	IM TM	peg.1561	IM TM	peg.1933	IM TM	peg.1157	IM TM	peg.1309	IM TM
B2RIP4	IM TM	Q7MWD8	IM TM	F5XCC6	IM TM	peg.1142	IM TM	peg.1658	IM TM	peg.1957	IM TM	peg.800	IM TM
B2RGN0	IM TM	Q7MXY6	IM TM	F5X795	IM TM	peg.1035	IM TM	peg.1887	IM TM	peg.758	IM TM	peg.196	IM TM
B2RMJ7	IM TM	Q7MToo	IM TM	F5XDJ5	IM TM	peg.905	IM TM	peg.1411	IM TM	peg.780	IM TM	peg.173	IM TM
B2RJR3	CYT	Q7MV17	CYT	F5XDD6	CYT	peg.2070	CYT	peg.1507	CYT	peg.424	CYT	peg.1820	CYT
B2RH75	CYT	Q7MT38	CYT	F5XAU1	CYT	peg.947	CYT	peg.1437	CYT	peg.1180	CYT	peg.997	CYT
B2RL68	CYT	Q7MX48	CYT	F5XBT6	CYT	peg.429	CYT	peg.265	CYT	peg.29	CYT	peg.533	CYT
B2RIH8	PERI	Q7MWJ9	OM LP	F5XC56	CYT	peg.1214	PERI	peg.1585	PERI	peg.192	PERI	peg.1154	PERI
B2RH11	CYT	Q7MX16	CYT	F5X8Lo	CYT	peg.365	CYT	peg.442	CYT	peg.1096	CYT	peg.295	CYT
B2RKZ6	IM TM	Q7MWZ0	IM TM	F5XC12	IM TM	peg.522	PERI	peg.342	IM TM	peg.1858	PERI	peg.1078	PERI
B2RKT3	CYT	Q7MWS6	CYT	F5XBE7	CYT	peg.585	CYT	peg.1682	CYT	peg.132	CYT	peg.437	CYT
B2RLH4	CYT	Q7MU14	CYT	F5XB44	CYT	peg.2051	CYT	peg.168	CYT	peg.950	CYT	peg.1449	CYT
B2RMI5	CYT	Q7MTB5	CYT	F5XDI2	CYT	peg.917	CYT	peg.1422	CYT	peg.1612	CYT	peg.161	CYT
B2RI00	OM	Q7MUA7	OM	F5X947	OM	peg.1409	OM	peg.1757	OM	peg.1592	OM	peg.2050	OM
B2RMG5	CYT	Q7MXR7	CYT	F5X8B2	CYT	peg.2026	CYT	peg.3	CYT	peg.1536	PERI	peg.1417	CYT
B2RXX9	CYT	Q7MWW9	CYT	F5XC33	CYT	peg.538	CYT	peg.1995	CYT	peg.1213	CYT	peg.1095	CYT
B2RKU5	IM TM	Q7MWT6	IM TM	F5XBD3	IM TM	peg.573	IM TM	peg.587	IM TM	peg.1749	IM TM	peg.1207	IM TM
B2RIY1	CYT	Q7MW62	CYT	F5XCZ2	CYT	peg.1237	CYT	peg.1252	CYT	peg.475	CYT	peg.705	CYT
B2RH35	CYT	Q7MT70	CYT	F5XAY1	CYT	peg.1344	CYT	peg.1466	CYT	peg.675	CYT	peg.958	CYT
B2RMG6	CYT	Q7MXR6	CYT	F5X8B3	CYT	peg.2025	CYT	peg.2	CYT	peg.1537	CYT	peg.1416	CYT
B2RJC6	OM LP	Q7MVko	OM LP	F5XAH3	OM LP	peg.63	OM LP	peg.485	OM LP	peg.315	OM LP	peg.580	OM LP
B2RJC2	PERI	Q7MVA0	PERI	F5XAH7	PERI	peg.86	PERI	peg.481	PERI	peg.319	PERI	peg.584	CYT
B2RJC0	IM TM	Q7MV98	IM TM	F5XAH9	IM TM	peg.88	IM TM	peg.479	IM TM	peg.321	IM TM	peg.586	IM TM
B2RGX7	IM TM	Q7MT17	IM TM	F5X7E2	IM TM	peg.1565	IM TM	peg.1929	IM TM	peg.1152	IM TM	peg.842	IM TM
B2RJC4	IM TM	Q7MVA2	IM TM	F5XAH5	IM TM	peg.84	IM TM	peg.483	IM TM	peg.317	IM TM	peg.582	IM TM
B2RJC3	IM TM	Q7MVA1	IM TM	F5XAH6	IM TM	peg.85	IM TM	peg.482	IM TM	peg.318	IM TM	peg.583	IM TM
B2RGX6	CYT	Q7MT16	CYT	F5X7E1	CYT	peg.1566	CYT	peg.1928	CYT	peg.1151	CYT	peg.841	CYT
B2RIE0	CYT	Q7MWN4	CYT	F5XBK8	CYT	peg.2073	CYT	peg.1395	CYT	peg.2074	CYT	peg.411	CYT
B2RJC1	PERI	Q7MV99	PERI	F5XAH8	PERI	peg.87	PERI	peg.480	PERI	peg.320	PERI	peg.585	PERI
B2RJB9	CYT	Q7MV97	CYT	F5XAI0	CYT	peg.89	CYT	peg.478	CYT	peg.322	CYT	peg.587	CYT
B2RGX4	CYT	Q7MT14	CYT	F5X7D9	CYT	peg.1568	CYT	peg.1926	CYT	peg.1149	CYT	peg.839	CYT

**Table S5.** Variable proteomes of the investigated *P. gingivalis* strains. The list presents for each strain all proteins excluded from the core proteome, as well as the respective predicted subcellular localization.

ATCC 33277		W83		TDC6o		MDS33		MDS14o		512915		2o655	
ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.
B2RH52	OM	Q7MUS5	CYT	F5XB08	IM TM	peg.1314	PERI	peg.1642	CYT	peg.1315	CYT	peg.1247	CYT
B2RH62	CYT	Q7MVY5	CYT	F5X8U7	CYT	peg.1641	ECP	peg.1564	ECP	peg.608	CYT	peg.1246	CYT
B2RH6o	CYT	Q7MUSo	CYT	F5X8U5	CYT	peg.1316	IM TM	peg.1565	IM TM	peg.1329	OM LP	peg.1245	ECP
B2RKo7	CYT	Q7MVY3	CYT	F5X8U1	IM TM	peg.124o	CYT	peg.1562	CYT	peg.15o9	CYT	peg.1237	ECP
B2RKF1	CYT	Q7MW11	CYT	F5X9W4	CYT	peg.1564	ECP	peg.1563	CYT	peg.1243	CYT	peg.1564	ECP
B2RKFo	IM TM	Q7MW1o	CYT	F5X816	CYT	peg.7o8	ECP	peg.1725	CYT	peg.1844	CYT	peg.1849	CYT
B2RKF3	CYT	Q7MW13	CYT	F5X953	OM	peg.878	CYT	peg.7o8	ECP	peg.1568	ECP	peg.1848	CYT
B2RKF2	IM TM	Q7MW12	CYT	F5X952	OM LP	peg.1845	CYT	peg.1845	IM TM	peg.1311	OM LP	peg.7o2	CYT
B2RKF5	CYT	Q7MW15	CYT	F5X951	CYT	peg.1844	CYT	peg.7o3	ECP	peg.1561	CYT	peg.1844	CYT
B2RKF4	CYT	Q7MW14	CYT	F5X8X2	IM TM	peg.1847	CYT	peg.1847	CYT	peg.7o8	CYT	peg.1847	CYT
B2RKF7	CYT	Q7MW17	CYT	F5XCEo	CYT	peg.1846	CYT	peg.1846	CYT	peg.878	IM TM	peg.7o1	PorSS
B2RKF6	CYT	Q7MW16	CYT	G1UBT8	PERI	peg.1o92	CYT	peg.1o92	ECP	peg.7o2	CYT	peg.1841	CYT
B2RHU9	CYT	Q7MW19	CYT	F5XDK5	PERI	peg.1843	CYT	peg.7o7	ECP	peg.7o3	PERI	peg.1o93	IM TM
B2RHU1	CYT	Q7MW18	CYT	F5XAQ9	CYT	peg.1842	CYT	peg.2o57	IM LP	peg.7oo	CYT	peg.1843	IM TM
B2RM47	CYT	Q7MV5o	IM TM	F5XAQ7	CYT	peg.2o58	CYT	peg.2o56	PERI	peg.7o1	CYT	peg.1842	CYT
B2RK9o	CYT	Q7MVB9	CYT	F5XAQ6	CYT	peg.44	CYT	peg.2o55	CYT	peg.1841	ECP	peg.2o52	CYT
B2RL6o	CYT	Q7MVR3	unknown	F5XAQ5	CYT	peg.45	CYT	peg.2o54	CYT	peg.7o7	CYT	peg.2o51	IM TM
B2RM49	CYT	Q7MVR2	ECP	F5X7T1	CYT	peg.689	CYT	peg.2o53	CYT	peg.7o4	CYT	peg.346	CYT
B2RM48	CYT	Q7MVR5	CYT	F5X8R7	CYT	peg.688	CYT	peg.2o52	CYT	peg.1842	CYT	peg.2117	CYT
B2RL65	OM	Q7MUZ9	CYT	F5X8R6	IM TM	peg.41	ECP	peg.2o51	CYT	peg.2o57	CYT	peg.2114	CYT
B2RGUo	IM TM	Q7MTA2	ECP	F5X8R5	CYT	peg.42	CYT	peg.2o5o	CYT	peg.2o56	CYT	peg.2115	CYT
B2RIV9	CYT	Q7MUZ4	OM	F5XBZ9	IM LP	peg.43	CYT	peg.688	CYT	peg.2o55	CYT	peg.2112	OM
B2RIV8	CYT	Q7MTA1	PERI	F5XBZ8	PERI	peg.683	CYT	peg.732	ECP	peg.2o54	CYT	peg.2113	ECP
B2RGU4	CYT	Q7MWC8	CYT	F5XD78	IM TM	peg.682	IM TM	peg.681	CYT	peg.2o53	CYT	peg.211o	PERI
B2RGU5	CYT	Q7MXM7	CYT	F5XC72	CYT	peg.681	CYT	peg.68o	CYT	peg.2o52	CYT	peg.2111	CYT
B2RGU6	CYT	Q7MUH9	CYT	F5XC71	CYT	peg.68o	CYT	peg.687	CYT	peg.2o51	CYT	peg.46	CYT
B2RGU7	CYT	Q7MUH1	CYT	F5XBZ1	CYT	peg.687	CYT	peg.686	CYT	peg.2o5o	CYT	peg.47	CYT
B2RGU9	CYT	Q7MUH2	CYT	F5XD75	CYT	peg.686	CYT	peg.639	CYT	peg.2116	CYT	peg.49	CYT
B2RIVo	CYT	Q7MXI8	CYT	F5XD76	CYT	peg.684	CYT	peg.676	IM TM	peg.2114	IM LP	peg.672	IM TM
B2RIV7	ECP	Q7MX75	ECP	F5XBZ2	IM TM	peg.765	CYT	peg.677	IM TM	peg.2115	CYT	peg.178	IM TM
B2RIV6	CYT	Q7MX72	ECP	F5XD7o	CYT	peg.673	ECP	peg.674	IM TM	peg.211o	CYT	peg.67o	CYT
B2RJRo	IM TM	Q7MWD9	IM TM	F5XBZ4	IM TM	peg.676	CYT	peg.675	CYT	peg.2o58	CYT	peg.671	IM TM

B2RMF9	CYT	Q7MTX0	ECP	F5XBZ7	OM LP	peg.677	OM	peg.672	CYT	peg.44	CYT	peg.1826	CYT
B2RMFo	IM TM	F5H948	OM LP	F5XD73	CYT	peg.674	CYT	peg.670	CYT	peg.45	CYT	peg.1838	IM TM
B2RJ66	CYT	Q7MUA5	CYT	F5X8B5	CYT	peg.675	CYT	peg.671	CYT	peg.689	CYT	peg.1839	PERI
B2RJD1	IM TM	Q7MUV4	CYT	F5XB75	CYT	peg.179	CYT	peg.1827	CYT	peg.688	CYT	peg.1932	CYT
B2RJ62	CYT	Q7MV78	CYT	F5XB72	IM TM	peg.178	CYT	peg.171	OM LP	peg.42	CYT	peg.1935	CYT
B2RHJ8	CYT	Q7MVG2	IM TM	F5XB73	IM TM	peg.670	CYT	peg.678	OM	peg.682	IM TM	peg.1934	CYT
B2RHJ9	PERI	Q7MU79	CYT	F5XBS2	CYT	peg.671	CYT	peg.679	CYT	peg.680	ECP	peg.1937	CYT
B2RJ69	CYT	Q7M7C8	ECP	F5XBS3	CYT	peg.175	IM TM	peg.1931	CYT	peg.1776	CYT	peg.1936	IM TM
B2RJY5	CYT	Q7M177	CYT	F5XBS0	IM TM	peg.174	CYT	peg.1832	CYT	peg.676	CYT	peg.1939	CYT
B2RIQ8	CYT	Q7MU70	CYT	F5X929	PorSS	peg.177	IM TM	peg.1824	CYT	peg.179	IM TM	peg.1938	CYT
B2RJY4	CYT	Q7MU76	CYT	F5X924	CYT	peg.176	CYT	peg.773	CYT	peg.178	CYT	peg.771	CYT
B2RLK5	ECP	Q7MTS4	CYT	F5XCN1	CYT	peg.171	CYT	peg.772	IM TM	peg.174	IM TM	peg.770	CYT
B2RLK7	PorSS	Q7MTS6	ECP	F5XCN4	CYT	peg.170	PERI	peg.771	CYT	peg.177	CYT	peg.197	CYT
B2RLK6	ECP	Q7MTS7	CYT	F5XCN5	CYT	peg.173	CYT	peg.1837	CYT	peg.176	ECP	peg.199	CYT
B2RLK1	CYT	Q7MTS2	CYT	F5XCN6	ECP	peg.172	CYT	peg.195	IM TM	peg.678	OM LP	peg.1326	IM TM
B2RJD4	CYT	Q7MXR5	CYT	F5X885	IM TM	peg.632	CYT	peg.194	IM TM	peg.679	CYT	peg.1407	IM TM
B2RLK2	PorSS	Q7MTS8	IM TM	F5XCI8	OM LP	peg.1771	CYT	peg.454	ECP	peg.1931	CYT	peg.459	CYT
B2RIB9	IM TM	Q7MXR0	IM TM	F5XA53	CYT	peg.633	CYT	peg.513	CYT	peg.632	CYT	peg.516	CYT
B2RH58	OM LP	Q7MUW9	CYT	F5XA52	OM LP	peg.1830	CYT	peg.1064	CYT	peg.1935	IM TM	peg.514	IM TM
B2RK41	CYT	Q7MUW4	CYT	F5XA51	CYT	peg.1770	CYT	peg.1690	CYT	peg.771	ECP	peg.1068	CYT
B2RJK4	ECP	Q7MVN6	CYT	F5XA50	PERI	peg.771	IM TM	peg.1320	CYT	peg.197	CYT	peg.1067	CYT
B2RH55	OM LP	Q7MVN0	CYT	F5XA57	CYT	peg.1837	IM TM	peg.959	CYT	peg.193	PERI	peg.1066	CYT
B2RIC9	CYT	Q7MVN3	CYT	F5XA56	CYT	peg.194	CYT	peg.958	CYT	peg.1822	CYT	peg.1346	PERI
B2RHX8	CYT	Q7M7D7	CYT	F5XA55	ECP	peg.190	CYT	peg.952	CYT	peg.1029	PERI	peg.1695	IM TM
B2RHX9	CYT	Q7MXD9	CYT	F5XA54	CYT	peg.1971	PorSS	peg.951	CYT	peg.1326	CYT	peg.1696	CYT
B2RHA0	IM TM	Q7MXD6	CYT	F5XA59	CYT	peg.637	CYT	peg.950	CYT	peg.450	CYT	peg.1345	IM TM
B2RiC0	IM TM	Q7MUL9	CYT	F5XA58	CYT	peg.634	CYT	peg.957	OM LP	peg.458	ECP	peg.1342	IM TM
B2RiC1	PERI	Q7MUL4	ECP	F5XA69	CYT	peg.635	IM TM	peg.956	CYT	peg.459	CYT	peg.1343	IM TM
B2RHX6	CYT	Q7MUL5	OM	F5XCJ9	OM LP	peg.1321	OM LP	peg.1742	ECP	peg.1028	IM TM	peg.1340	PERI
B2RHX7	CYT	Q7MUL6	PERI	F5XBA5	CYT	peg.620	CYT	peg.1096	IM TM	peg.519	CYT	peg.408	ECP
B2RIC4	CYT	Q7MUL7	PERI	F5X818	CYT	peg.511	CYT	peg.357	CYT	peg.510	CYT	peg.1698	CYT
B2RIC5	CYT	Q7MUL0	CYT	F5XAN2	CYT	peg.510	IM LP	peg.356	CYT	peg.221	CYT	peg.1699	CYT
B2RIC6	CYT	Q7MUL2	CYT	F5X7M0	CYT	peg.517	CYT	peg.423	IM TM	peg.220	CYT	peg.1348	IM TM
B2RIC7	CYT	Q7MUL3	CYT	F5XC88	CYT	peg.221	CYT	peg.1744	CYT	peg.1872	IM TM	peg.1349	IM TM
B2RM93	PorSS	Q7MV83	CYT	F5XC89	OM	peg.220	IM TM	peg.420	CYT	peg.1069	CYT	peg.959	ECP
B2RGS6	CYT	Q7MV82	unknown	F5XAN7	ECP	peg.222	CYT	peg.1513	ECP	peg.1068	ECP	peg.1516	CYT
B2RH51	ECP	Q7MV87	IM TM	F5XA75	CYT	peg.228	CYT	peg.1662	IM TM	peg.1067	ECP	peg.952	CYT



B2RM94	ECP	Q7MV86	CYT	F5XAN8	CYT	peg.1064	CYT	peg.1094	CYT	peg.1066	PorSS	peg.950	ECP
B2RM95	ECP	Q7MV88	IM TM	F5XAN9	CYT	peg.1063	CYT	peg.429	PERI	peg.1873	CYT	peg.1515	IM TM
B2RKT9	CYT	Q7MT8o	PorSS	F5XC87	CYT	peg.1342	CYT	peg.428	ECP	peg.1063	CYT	peg.427	ECP
B2RKR3	ECP	Q7MT82	IM TM	F5XA74	CYT	peg.1340	CYT	peg.1283	CYT	peg.1060	PERI	peg.426	ECP
B2RIXo	CYT	Q7MVC3	CYT	F5X7Q1	CYT	peg.1341	CYT	peg.1282	CYT	peg.1347	IM TM	peg.425	OM
B2RI6o	CYT	Q7MVCo	CYT	F5XCXo	PERI	peg.1320	PERI	peg.1281	CYT	peg.1344	CYT	peg.424	CYT
B2RI66	CYT	Q7MVC1	CYT	F5X8Q5	CYT	peg.1698	CYT	peg.128o	CYT	peg.1345	CYT	peg.1747	CYT
B2RI65	CYT	Q7MVC5	ECP	F5X8G8	CYT	peg.823	CYT	peg.1287	CYT	peg.1342	IM TM	peg.421	CYT
B2RH29	CYT	Q7MTV7	CYT	F5XA27	CYT	peg.959	CYT	peg.1286	CYT	peg.1343	CYT	peg.166o	CYT
B2RI85	PorSS	P258o6	CYT	F5XA24	OM	peg.951	CYT	peg.1285	CYT	peg.134o	CYT	peg.297	CYT
B2RI84	CYT	P59914	OM LP	F5XA25	IM TM	peg.355	CYT	peg.1284	CYT	peg.1341	ECP	peg.876	CYT
B2RI87	CYT	P59915	PorSS	F5XA22	CYT	peg.7o2	CYT	peg.1523	OM	peg.1878	IM TM	peg.1512	CYT
B2RI86	CYT	Q7MXV6	CYT	F5XA23	CYT	peg.174o	CYT	peg.152o	PERI	peg.1879	CYT	peg.1283	CYT
B2RKJ8	CYT	Q7MXV4	ECP	F5XA2o	ECP	peg.351	CYT	peg.1521	ECP	peg.1669	CYT	peg.1282	CYT
B2RKJ5	CYT	Q7MW14	PorSS	F5XA21	CYT	peg.35o	CYT	peg.1524	IM TM	peg.1668	CYT	peg.1528	CYT
B2RH2o	CYT	Q7MUB4	IM TM	F5XDD8	ECP	peg.1744	OM	peg.1o93	CYT	peg.174o	CYT	peg.1846	CYT
B2RMK7	ECP	Q7MTI3	CYT	F5XA28	CYT	peg.1745	ECP	peg.1441	CYT	peg.356	CYT	peg.1522	ECP
B2RKJ3	CYT	Q7MTIo	ECP	F5XA29	IM TM	peg.295	CYT	peg.833	ECP	peg.351	IM TM	peg.1o92	CYT
B2RKJ2	CYT	Q7MTI1	OM	F5XCW7	CYT	peg.1749	CYT	peg.1117	ECP	peg.35o	CYT	peg.152o	PERI
B2RLV9	CYT	Q7MTI6	IM TM	F5XD97	CYT	peg.29o	unknown	peg.1116	CYT	peg.353	CYT	peg.1521	PERI
B2RGRo	CYT	Q7MTI7	PorSS	F5XD94	CYT	peg.876	unknown	peg.836	CYT	peg.352	IM TM	peg.1526	CYT
B2RHQ5	CYT	Q7MTI4	PERI	F5XBH7	IM TM	peg.292	CYT	peg.837	CYT	peg.152o	CYT	peg.1527	CYT
B2RHQ4	CYT	Q7MTI5	CYT	F5XBH6	CYT	peg.1826	CYT	peg.838	CYT	peg.1662	CYT	peg.1524	CYT
B2RKS7	ECP	Q7MTI8	CYT	F5XD9o	ECP	peg.877	IM TM	peg.839	CYT	peg.1665	IM TM	peg.184o	CYT
B2RKS2	CYT	Q7MVJ9	CYT	F5X917	IM TM	peg.1286	CYT	peg.1118	CYT	peg.1o94	CYT	peg.1889	CYT
B2RIP1	CYT	Q7MUo5	CYT	F5X9I5	CYT	peg.1285	CYT	peg.567	CYT	peg.1667	CYT	peg.1888	CYT
B2RKSS	IM TM	Q7MXQ6	CYT	F5XBH8	CYT	peg.1522	IM TM	peg.1599	PorSS	peg.1666	CYT	peg.1447	IM TM
B2RI18	CYT	Q7MXQ7	CYT	F5X9I2	CYT	peg.1841	CYT	peg.89	CYT	peg.1283	CYT	peg.1883	ECP
B2RI19	IM TM	Q7MXQ5	CYT	F5XCW9	ECP	peg.1288	CYT	peg.8o	ECP	peg.1282	CYT	peg.1118	ECP
B2RI16	IM TM	Q7MXQ2	CYT	F5X9Io	CYT	peg.1889	CYT	peg.81	ECP	peg.1281	CYT	peg.1887	CYT
B2RI17	ECP	Q7MXQ3	IM TM	F5X7F6	CYT	peg.1888	OM LP	peg.82	CYT	peg.128o	ECP	peg.1886	CYT
B2RMo3	CYT	Q7MXQ8	CYT	F5X7Fo	CYT	peg.1111	CYT	peg.83	CYT	peg.1287	IM TM	peg.2o97	IM TM
B2RIP2	IM TM	Q7MXQ9	CYT	F5XBUo	PERI	peg.111o	CYT	peg.86	CYT	peg.1286	IM TM	peg.2o96	IM TM
B2RMo5	CYT	Q7MUPo	CYT	F5X7F9	IM TM	peg.1447	CYT	peg.578	CYT	peg.1285	OM LP	peg.2o95	PERI
B2RK36	IM TM	Q7MUP1	IM TM	F5XA5	CYT	peg.837	CYT	peg.1237	CYT	peg.1284	OM	peg.2o94	CYT
B2RK37	CYT	Q7MUP2	IM TM	F5XA6	ECP	peg.1448	ECP	peg.1235	ECP	peg.7o6	CYT	peg.2o99	PERI
B2RK34	CYT	Q7MUP3	ECP	F5XA9	CYT	peg.1119	PERI	peg.1233	CYT	peg.1289	IM TM	peg.2o98	PERI

B2RK35	CYT	Q7MUP4	IM TM	F5XAU5	unknown	peg.1885	CYT	peg.884	IM TM	peg.1288	CYT	peg.1598	OM
B2RJ37	CYT	Q7MUP5	CYT	F5X8N8	CYT	peg.1884	CYT	peg.731	ECP	peg.1525	CYT	peg.1597	CYT
B2RJ36	CYT	Q7MUP6	CYT	F5X7X6	IM TM	peg.1886	OM	peg.730	CYT	peg.1889	PERI	peg.1593	CYT
B2RK38	ECP	Q7MUP7	CYT	F5X9T9	CYT	peg.2092	CYT	peg.881	PorSS	peg.1108	CYT	peg.1592	CYT
B2RK39	CYT	Q7MUP8	CYT	F5X8N5	ECP	peg.1802	CYT	peg.736	IM TM	peg.1111	ECP	peg.1591	IM TM
B2RKA1	ECP	Q7MUP9	CYT	F5X8N4	CYT	peg.1022	CYT	peg.1031	CYT	peg.1442	unknown	peg.86	CYT
B2RMB1	CYT	Q7MV43	ECP	F5X7X2	CYT	peg.1598	ECP	peg.633	CYT	peg.1447	CYT	peg.579	CYT
B2RJV7	CYT	Q7MW29	CYT	F5X7X3	CYT	peg.1597	OM	peg.889	CYT	peg.1881	IM TM	peg.578	CYT
B2RKA5	ECP	Q7MW24	CYT	F5X9V4	ECP	peg.1768	ECP	peg.888	CYT	peg.1880	CYT	peg.2084	IM TM
B2RKA7	CYT	Q7MW25	CYT	F5XC39	CYT	peg.80	PERI	peg.634	CYT	peg.1883	CYT	peg.1234	CYT
B2RL12	IM TM	Q7MW26	CYT	F5XDK6	CYT	peg.81	CYT	peg.1874	CYT	peg.705	IM TM	peg.1230	CYT
B2RHHV6	CYT	Q7MW27	CYT	F5XB34	ECP	peg.82	CYT	peg.495	CYT	peg.571	CYT	peg.2085	CYT
B2RHHV4	CYT	Q7MW20	CYT	F5XC31	CYT	peg.83	CYT	peg.1870	CYT	peg.2158	CYT	peg.732	CYT
B2RGZ8	CYT	Q7MW21	CYT	F5XC30	CYT	peg.579	PorSS	peg.1871	CYT	peg.2159	CYT	peg.638	CYT
B2RHHV9	CYT	Q7MW22	CYT	F5X963	IM TM	peg.578	CYT	peg.1872	CYT	peg.2152	CYT	peg.730	CYT
B2RK43	CYT	Q7MW23	CYT	F5XAT7	CYT	peg.1769	CYT	peg.1873	CYT	peg.2153	CYT	peg.737	CYT
B2RL34	CYT	Q7MX16	PorSS	F5X966	IM TM	peg.638	PERI	peg.2020	CYT	peg.2156	CYT	peg.2086	CYT
B2RL37	ECP	Q7M7A7	CYT	F5X9D2	CYT	peg.639	IM TM	peg.1163	CYT	peg.2157	ECP	peg.631	CYT
B2RL33	ECP	Q7MVQ4	CYT	F5X964	ECP	peg.1975	CYT	peg.1037	CYT	peg.2154	CYT	peg.889	ECP
B2RL32	CYT	Q7MVQ0	ECP	F5X965	CYT	peg.1974	CYT	peg.47	CYT	peg.2155	IM TM	peg.818	CYT
B2RL11	OM LP	Q7MVQ2	CYT	F5X9S2	CYT	peg.630	ECP	peg.16	CYT	peg.324	CYT	peg.1874	IM TM
B2RGU2	IM TM	Q7MVQ3	CYT	F5X9D3	PorSS	peg.1976	CYT	peg.11	CYT	peg.1519	CYT	peg.2059	CYT
B2RHD2	IM TM	Q7MXC9	IM TM	F5X8X5	CYT	peg.889	CYT	peg.127	CYT	peg.1599	CYT	peg.2020	CYT
B2RGU3	CYT	Q7MUI7	CYT	F5X8X4	CYT	peg.1970	CYT	peg.124	CYT	peg.1598	CYT	peg.2021	CYT
B2RME8	CYT	Q7MUI6	CYT	F5X8X6	CYT	peg.1973	ECP	peg.123	CYT	peg.1597	CYT	peg.1325	CYT
B2RME9	CYT	Q7MUI5	CYT	F5XCJ4	CYT	peg.1972	ECP	peg.128	CYT	peg.1595	CYT	peg.497	CYT
B2RGQ6	CYT	Q7MUI4	CYT	F5XCJ5	CYT	peg.2027	CYT	peg.129	CYT	peg.1594	ECP	peg.495	OM
B2RGQ1	CYT	Q7MUI3	CYT	F5XCJ6	CYT	peg.2022	CYT	peg.1908	CYT	peg.1591	CYT	peg.17	CYT
B2RGQ2	CYT	Q7MUI2	CYT	F5XCJ7	IM TM	peg.2023	CYT	peg.1900	CYT	peg.1590	CYT	peg.1900	CYT
B2RGQ3	ECP	Q7MUI1	CYT	F5XCJo	CYT	peg.1755	PorSS	peg.645	CYT	peg.88	ECP	peg.1908	IM TM
B2RIA4	CYT	Q7MUI0	CYT	F5XCJ1	ECP	peg.1789	CYT	peg.642	CYT	peg.89	CYT	peg.1909	CYT
B2RIA5	ECP	Q7MUI9	CYT	F5XCJ2	CYT	peg.46	CYT	peg.1906	CYT	peg.87	CYT	peg.648	CYT
B2RKX3	CYT	Q7MUI8	CYT	F5XCJ3	CYT	peg.496	IM TM	peg.640	ECP	peg.886	CYT	peg.647	CYT
B2RKX0	CYT	Q7MX18	CYT	F5X845	CYT	peg.494	ECP	peg.1302	IM TM	peg.1979	ECP	peg.646	CYT
B2RJA5	CYT	Q7MX63	IM TM	F5XCJ8	CYT	peg.47	CYT	peg.1651	CYT	peg.736	CYT	peg.1902	OM
B2RJA4	CYT	Q7MX61	ECP	F5X840	ECP	peg.813	CYT	peg.1656	CYT	peg.735	CYT	peg.1903	IM TM
B2RJA7	CYT	Q7MV90	IM TM	F5X8Q1	CYT	peg.15	CYT	peg.1657	IM TM	peg.1031	IM TM	peg.1904	IM TM

B2RJA6	CYT	Q7MWE1	CYT	F5X8Q6	CYT	peg.11	CYT	peg.302	CYT	peg.1975	CYT	peg.642	ECP
B2RJA0	IM TM	Q7MWE0	IM TM	F5XAR0	CYT	peg.122	CYT	peg.301	CYT	peg.633	CYT	peg.641	CYT
B2RJA3	CYT	Q7BWB8	CYT	F5X7Q2	PERI	peg.121	CYT	peg.994	CYT	peg.1976	CYT	peg.640	CYT
B2RJA2	CYT	Q7MW03	CYT	F5XA61	CYT	peg.129	CYT	peg.993	CYT	peg.326	ECP	peg.1302	IM TM
B2RLD9	CYT	Q7BWB3	CYT	F5XD27	CYT	peg.1908	ECP	peg.1624	CYT	peg.1032	IM TM	peg.1303	CYT
B2RKLo	IM TM	Q7MWN7	ECP	F5XD26	CYT	peg.1909	ECP	peg.540	CYT	peg.1107	CYT	peg.1300	CYT
B2RKQ7	CYT	Q7MVF3	CYT	F5XD25	IM TM	peg.649	IM TM	peg.543	ECP	peg.1972	CYT	peg.1301	CYT
B2RKL6	ECP	Q7MU44	PERI	F5XD24	CYT	peg.648	CYT	peg.463	ECP	peg.1874	CYT	peg.1307	CYT
B2RKQ9	CYT	Q7MVF5	CYT	F5XD23	CYT	peg.647	CYT	peg.462	CYT	peg.1875	CYT	peg.1304	CYT
B2RGR9	CYT	Q7MVF4	CYT	F5X9D4	CYT	peg.646	IM TM	peg.461	CYT	peg.1876	CYT	peg.1657	CYT
B2RM28	CYT	Q7MVF7	CYT	F5XD29	CYT	peg.645	OM LP	peg.460	CYT	peg.1877	CYT	peg.1658	CYT
B2RIN6	CYT	Q7MVF6	CYT	F5XD28	CYT	peg.644	PERI	peg.1358	CYT	peg.1870	CYT	peg.307	OM LP
B2RH99	IM TM	Q7MU48	CYT	F5XC44	CYT	peg.643	PERI	peg.394	IM TM	peg.1871	CYT	peg.125	CYT
B2RH93	CYT	Q7MW08	CYT	F5XC42	CYT	peg.642	IM TM	peg.465	CYT	peg.2028	ECP	peg.469	IM LP
B2RH92	CYT	Q7MVF3	CYT	F5XC43	CYT	peg.641	IM TM	peg.464	CYT	peg.2029	CYT	peg.468	CYT
B2RH91	CYT	Q7MVF2	CYT	F5XC40	CYT	peg.640	IM TM	peg.1159	CYT	peg.2027	ECP	peg.111	IM TM
B2RH90	CYT	Q7MWN1	ECP	F5XD79	IM TM	peg.1302	IM TM	peg.1158	CYT	peg.2022	CYT	peg.543	IM TM
B2RH96	IM TM	Q7MWN5	CYT	F5XD74	ECP	peg.1303	CYT	peg.1157	CYT	peg.2023	CYT	peg.390	CYT
B2RH94	CYT	Q7MWN6	CYT	F5XBV6	IM TM	peg.1652	CYT	peg.1156	CYT	peg.2021	CYT	peg.548	IM TM
B2RHN6	CYT	Q7MT68	CYT	F5XBZ3	OM	peg.1306	CYT	peg.1155	CYT	peg.490	CYT	peg.394	CYT
B2RIG8	CYT	Q7MT67	ECP	F5XD77	CYT	peg.1307	CYT	peg.1154	CYT	peg.492	CYT	peg.465	CYT
B2RHN7	CYT	Q7MT62	ECP	F5X8C8	CYT	peg.1304	CYT	peg.1153	CYT	peg.19	CYT	peg.1157	IM TM
B2RK78	CYT	Q7MXU0	ECP	F5X8C9	ECP	peg.1305	CYT	peg.1152	CYT	peg.491	CYT	peg.1156	ECP
B2RK72	IM TM	Q7MXU1	ECP	F5X7C9	CYT	peg.306	CYT	peg.1151	CYT	peg.16	ECP	peg.1155	CYT
B2RK73	CYT	Q7MTM8	CYT	F5XBZ5	IM LP	peg.48	CYT	peg.1150	CYT	peg.15	CYT	peg.1400	ECP
B2RK70	CYT	Q7M789	CYT	F5X7C5	CYT	peg.1308	CYT	peg.1016	CYT	peg.10	CYT	peg.1150	CYT
B2RK71	CYT	Q7MW02	CYT	F5X8C7	CYT	peg.303	CYT	peg.1017	CYT	peg.127	IM TM	peg.1016	CYT
B2RKE8	IM TM	Q7MWX2	CYT	F5X8C1	ECP	peg.49	CYT	peg.1015	CYT	peg.122	CYT	peg.1399	CYT
B2RKE9	IM TM	Q7MWX3	CYT	F5X7C1	CYT	peg.998	CYT	peg.1399	ECP	peg.649	CYT	peg.1013	CYT
B2RK74	ECP	Q7MWX1	CYT	F5XD71	IM TM	peg.997	CYT	peg.1394	CYT	peg.1588	CYT	peg.1011	CYT
B2RLS0	CYT	Q7BW91	CYT	F5XBD7	CYT	peg.1756	ECP	peg.1018	CYT	peg.645	CYT	peg.1397	CYT
B2RLS3	CYT	Q7MWX4	CYT	F5XA68	CYT	peg.115	CYT	peg.1019	CYT	peg.1757	OM	peg.1392	ECP
B2RK87	CYT	Q7M785	CYT	F5X9M0	CYT	peg.114	CYT	peg.909	CYT	peg.643	CYT	peg.904	IM TM
B2RK84	CYT	Q7MVM1	CYT	F5XD72	CYT	peg.544	CYT	peg.1492	CYT	peg.2162	CYT	peg.905	PERI
B2RK81	ECP	Q7MVM5	CYT	F5XBD1	CYT	peg.1624	CYT	peg.1493	CYT	peg.1303	PERI	peg.907	IM TM
B2RK89	CYT	Q7MVM6	CYT	F5XBDo	ECP	peg.469	CYT	peg.1490	CYT	peg.1301	IM TM	peg.900	IM TM
B2RK88	IM TM	Q7MVM7	CYT	F5XA62	CYT	peg.468	CYT	peg.1491	CYT	peg.1306	IM TM	peg.901	IM TM

B2RM74	CYT	Q7MVM8	IM TM	F5XA63	IM TM	peg.1623	CYT	peg.1494	CYT	peg.1307	IM TM	peg.902	IM TM
B2RKN4	ECP	Q7MWW4	CYT	F5XA60	CYT	peg.1622	CYT	peg.1495	CYT	peg.1304	IM TM	peg.903	CYT
B2RKN7	IM TM	Q7M7E9	CYT	F5XBZ6	CYT	peg.391	CYT	peg.269	ECP	peg.1305	PERI	peg.909	IM TM
B2RKN8	CYT	Q7M770	CYT	F5XA66	IM TM	peg.110	OM	peg.268	CYT	peg.1308	PERI	peg.1492	ECP
B2RGT8	PERI	Q7M7E7	CYT	F5XA67	CYT	peg.1629	CYT	peg.1716	CYT	peg.1309	PERI	peg.1493	CYT
B2RGT7	IM TM	Q7M7E2	CYT	F5XA64	CYT	peg.1628	ECP	peg.1278	CYT	peg.1756	IM TM	peg.1490	IM TM
B2RGT6	PERI	F5HCM5	CYT	F5XBD8	PorSS	peg.465	CYT	peg.1279	CYT	peg.995	ECP	peg.1491	CYT
B2RGT5	IM TM	Q7MUM9	IM TM	F5XCS9	ECP	peg.464	CYT	peg.1270	ECP	peg.993	CYT	peg.1350	CYT
B2RGT4	IM TM	Q7MUM8	PERI	F5XCS8	CYT	peg.1408	IM TM	peg.1277	CYT	peg.399	CYT	peg.1714	CYT
B2RGT3	PERI	Q7MW73	CYT	F5XCL4	IM TM	peg.1159	IM TM	peg.1478	IM TM	peg.1621	CYT	peg.1278	CYT
B2RGT2	PERI	Q7MUM3	CYT	F5X7S8	CYT	peg.1358	IM TM	peg.1575	OM	peg.1623	CYT	peg.1272	CYT
B2RJo8	CYT	Q7MUM2	CYT	F5XCS0	CYT	peg.1407	CYT	peg.1576	CYT	peg.1622	CYT	peg.1273	CYT
B2RJo9	ECP	Q7MUM1	ECP	F5XCS7	CYT	peg.1400	CYT	peg.1473	CYT	peg.390	CYT	peg.1271	CYT
B2RJS6	ECP	Q7MUM0	CYT	F5XA96	CYT	peg.1150	CYT	peg.841	CYT	peg.393	CYT	peg.1276	IM TM
B2RJS5	CYT	Q7MUM6	IM TM	F5XA93	CYT	peg.1413	OM	peg.2063	CYT	peg.392	CYT	peg.1277	CYT
B2RJ73	CYT	Q7MUM4	CYT	F5XAK8	CYT	peg.1399	CYT	peg.2061	CYT	peg.395	IM TM	peg.1274	CYT
B2RHK0	ECP	Q7MXL7	CYT	F5X8H0	CYT	peg.1013	ECP	peg.2064	CYT	peg.394	CYT	peg.1275	CYT
B2RJ71	CYT	Q7MXL9	CYT	F5XAK4	IM TM	peg.1390	IM TM	peg.2065	CYT	peg.396	CYT	peg.1478	CYT
B2RHK6	CYT	Q7MV74	ECP	F5XAK1	CYT	peg.1018	CYT	peg.52	CYT	peg.1052	CYT	peg.1479	CYT
B2RJ53	CYT	Q7MUT4	ECP	F5X7J5	CYT	peg.1019	PERI	peg.1303	CYT	peg.1721	CYT	peg.1573	CYT
B2RL66	CYT	Q7MWA0	CYT	F5X7J6	CYT	peg.379	IM TM	peg.58	CYT	peg.1155	CYT	peg.1572	CYT
B2RLH0	CYT	Q7MWA4	CYT	F5XAK2	IM TM	peg.265	CYT	peg.593	CYT	peg.1153	ECP	peg.1574	CYT
B2RLH1	OM LP	Q7MWA9	CYT	F5XDA2	IM TM	peg.1493	CYT	peg.592	PorSS	peg.335	CYT	peg.1901	CYT
B2RJE5	CYT	Q7MWA8	CYT	F5X9S7	CYT	peg.1490	CYT	peg.590	CYT	peg.1402	CYT	peg.1356	IM TM
B2RIP3	IM TM	Q7MUJ8	CYT	F5X9S1	CYT	peg.266	IM TM	peg.597	CYT	peg.1016	CYT	peg.673	CYT
B2RJE6	unknown	Q7MUJ9	CYT	F5XDA3	CYT	peg.261	CYT	peg.596	CYT	peg.1017	IM TM	peg.2068	ECP
B2RLD6	CYT	Q7MUJ6	CYT	F5X8J3	OM	peg.260	CYT	peg.595	CYT	peg.1723	IM TM	peg.2069	CYT
B2RLD7	CYT	Q7MUJ7	IM TM	F5X8J2	IM TM	peg.263	ECP	peg.594	CYT	peg.1395	CYT	peg.2062	CYT
B2RMI2	CYT	Q7MUJ4	IM TM	F5X8J1	PERI	peg.262	CYT	peg.328	IM LP	peg.1394	CYT	peg.843	ECP
B2RHY3	CYT	Q7MUJ5	CYT	F5XAY9	PorSS	peg.1711	ECP	peg.599	CYT	peg.1396	CYT	peg.2067	CYT
B2RHY2	PorSS	Q7MUJ2	CYT	F5X9J5	ECP	peg.1713	CYT	peg.598	CYT	peg.1391	CYT	peg.1905	CYT
B2RHY4	ECP	Q7MUJ3	CYT	F5X9J3	CYT	peg.1499	CYT	peg.603	CYT	peg.1018	IM TM	peg.2101	CYT
B2RM81	CYT	Q7MUJ0	CYT	F5XDC2	ECP	peg.269	CYT	peg.602	CYT	peg.1019	CYT	peg.2100	OM LP
B2RM80	ECP	Q7MUJ1	CYT	F5XDC3	CYT	peg.268	CYT	peg.601	CYT	peg.905	CYT	peg.2103	CYT
B2RMI1	CYT	Q7MW88	CYT	F5XDC4	CYT	peg.1717	CYT	peg.600	CYT	peg.1726	ECP	peg.2102	CYT
B2RM85	CYT	Q7MXG7	ECP	F5X9J8	CYT	peg.1716	PERI	peg.607	CYT	peg.903	CYT	peg.2104	CYT
B2RM87	CYT	Q7MXG1	CYT	F5X9J9	CYT	peg.1352	ECP	peg.606	CYT	peg.1492	ECP	peg.2109	unknown

B2RM86	CYT	Q7MXG8	CYT	F5XBK3	CYT	peg.1107	CYT	peg.605	CYT	peg.1493	CYT	peg.2108	ECP
B2RM88	CYT	Q7MXG9	IM TM	F5XBK6	ECP	peg.1276	IM TM	peg.604	CYT	peg.1490	CYT	peg.1907	ECP
B2RLA6	OM LP	Q7MVB1	IM TM	F5XBK4	CYT	peg.1478	CYT	peg.609	PERI	peg.1491	CYT	peg.1140	CYT
B2RLA1	IM TM	Q7MVB0	CYT	F5XCT1	CYT	peg.1479	CYT	peg.608	CYT	peg.1496	ECP	peg.52	ECP
B2RKG4	CYT	Q7MVB2	CYT	F5X8T1	CYT	peg.1572	CYT	peg.1944	CYT	peg.1494	CYT	peg.51	ECP
B2RJ98	CYT	Q7MTQ2	CYT	F5X8T3	IM TM	peg.672	CYT	peg.1945	CYT	peg.237	CYT	peg.50	CYT
B2RH39	CYT	Q7MTQ3	CYT	F5X8T2	CYT	peg.1473	CYT	peg.1946	CYT	peg.1711	CYT	peg.56	CYT
B2RH38	CYT	Q7MTQ6	PERI	F5X9X0	CYT	peg.1474	CYT	peg.1947	CYT	peg.1710	CYT	peg.55	PERI
B2RMJ9	CYT	Q7MTQ4	ECP	F5X9X1	CYT	peg.1475	IM TM	peg.769	CYT	peg.1713	CYT	peg.1651	ECP
B2RL20	CYT	Q7MTQ5	IM TM	F5X9X2	CYT	peg.1476	ECP	peg.1943	IM TM	peg.1712	CYT	peg.691	CYT
B2RKI5	IM TM	Q7MU89	ECP	F5X9X3	IM TM	peg.1477	IM TM	peg.1823	ECP	peg.1715	IM TM	peg.272	IM TM
B2RH37	OM LP	Q7MWJ3	CYT	F5X9X4	IM TM	peg.1082	IM TM	peg.1948	CYT	peg.268	CYT	peg.168	CYT
B2RLW0	CYT	Q7MT29	CYT	F5X9X5	IM TM	peg.1085	CYT	peg.1949	CYT	peg.1717	CYT	peg.1690	ECP
B2RLW2	CYT	Q7MWJ8	PERI	F5X9X6	IM TM	peg.1084	CYT	peg.1825	CYT	peg.1716	CYT	peg.1656	CYT
B2RIM6	CYT	Q7MU86	CYT	F5XB48	CYT	peg.1086	CYT	peg.1769	unknown	peg.622	CYT	peg.604	CYT
B2RIM7	CYT	Q7MXY5	ECP	F5XCF8	IM TM	peg.840	ECP	peg.186	CYT	peg.1278	CYT	peg.163	PERI
B2RM34	ECP	Q7MUC4	IM TM	F5X8M2	CYT	peg.847	CYT	peg.887	CYT	peg.1279	CYT	peg.1305	ECP
B2RLP0	CYT	Q7MWX5	CYT	F5X8M3	CYT	peg.2105	IM TM	peg.2005	IM TM	peg.1272	CYT	peg.306	PERI
B2RM30	CYT	Q7MWT8	CYT	F5XCF6	OM LP	peg.1907	CYT	peg.22	CYT	peg.1273	CYT	peg.1947	ECP
B2RM32	PERI	Q7MWT2	ECP	F5XCF7	CYT	peg.53	CYT	peg.21	CYT	peg.1270	CYT	peg.1940	CYT
B2RM33	IM TM	Q7MWT3	CYT	F5XAV8	CYT	peg.52	CYT	peg.629	ECP	peg.1271	IM TM	peg.764	IM TM
B2RIB7	PERI	Q7MTH1	CYT	F5XAV9	PERI	peg.51	ECP	peg.1834	CYT	peg.1276	CYT	peg.765	CYT
B2RIB6	OM LP	Q7MTH0	CYT	F5XDJ7	CYT	peg.50	CYT	peg.509	CYT	peg.1277	CYT	peg.766	OM LP
B2RIB5	CYT	Q7MTH3	CYT	F5XDJ4	IM TM	peg.57	ECP	peg.118	IM TM	peg.1274	CYT	peg.767	CYT
B2RLP3	CYT	Q7MTH2	CYT	F5XAV6	CYT	peg.56	IM TM	peg.117	CYT	peg.1275	CYT	peg.760	CYT
B2RIB3	CYT	Q7MTH5	CYT	F5XC00	ECP	peg.55	OM	peg.116	CYT	peg.1478	CYT	peg.761	CYT
B2RIB2	CYT	Q7MTH4	ECP	F5XC01	CYT	peg.54	CYT	peg.112	OM	peg.1479	ECP	peg.277	CYT
B2RIB1	CYT	Q7MTH7	CYT	F5XC04	CYT	peg.59	IM TM	peg.1720	CYT	peg.1470	CYT	peg.1691	OM LP
B2RIB0	CYT	Q7MTH6	CYT	F5XD63	IM TM	peg.58	CYT	peg.1721	CYT	peg.1471	CYT	peg.779	CYT
B2RI05	OM LP	Q7MTH9	CYT	F5XD62	OM	peg.1300	CYT	peg.1051	CYT	peg.1472	CYT	peg.183	ECP
B2RI04	CYT	Q7MTH8	CYT	F5XC08	CYT	peg.590	IM TM	peg.332	CYT	peg.1473	CYT	peg.777	IM TM
B2RI06	OM	Q7MT56	OM	F5XD60	CYT	peg.678	CYT	peg.331	CYT	peg.1474	IM TM	peg.21	CYT
B2RI03	CYT	Q7MT57	OM	F5XD67	OM	peg.595	CYT	peg.330	IM LP	peg.1475	CYT	peg.1830	CYT
B2RI02	ECP	Q7MT54	OM	F5XD66	OM	peg.328	CYT	peg.1728	ECP	peg.1476	CYT	peg.29	CYT
B2RKI9	CYT	Q7MT55	OM LP	F5XD65	CYT	peg.679	IM TM	peg.237	CYT	peg.1477	CYT	peg.1759	IM TM
B2RHL1	CYT	Q7MT52	OM LP	F5XD64	IM TM	peg.603	ECP	peg.1353	CYT	peg.1081	ECP	peg.625	CYT
B2RHL2	CYT	Q7MT53	OM LP	F5XB60	CYT	peg.606	CYT	peg.611	IM TM	peg.1083	CYT	peg.119	CYT

B2RHL3	CYT	Q7MT50	CYT	F5X938	CYT	peg.162	ECP	peg.230	CYT	peg.1082	PERI	peg.118	CYT
B2RHL7	CYT	Q7M7A6	CYT	F5X931	CYT	peg.163	IM TM	peg.338	CYT	peg.1085	OM LP	peg.117	CYT
B2RJD2	ECP	Q7MU17	OM LP	F5X930	ECP	peg.160	CYT	peg.1689	CYT	peg.1084	OM	peg.116	CYT
B2RJW9	CYT	Q7M7A8	IM TM	F5X8C5	IM TM	peg.1829	CYT	peg.1688	CYT	peg.2063	CYT	peg.115	CYT
B2RJW8	CYT	Q7MXP0	CYT	F5X8C6	IM TM	peg.1828	CYT	peg.949	CYT	peg.1443	ECP	peg.114	CYT
B2RJD0	CYT	Q7MWS1	IM TM	F5X9A7	CYT	peg.1941	CYT	peg.943	ECP	peg.2067	CYT	peg.113	CYT
B2RHW5	CYT	Q7MWS0	ECP	F5X8C2	CYT	peg.1942	ECP	peg.945	CYT	peg.2109	CYT	peg.112	IM TM
B2RM56	CYT	Q7MUQ8	CYT	F5XD14	ECP	peg.764	CYT	peg.1755	ECP	peg.2108	CYT	peg.506	CYT
B2RHW7	CYT	Q7MUQ7	CYT	F5XD13	CYT	peg.1481	CYT	peg.1754	CYT	peg.640	CYT	peg.110	IM TM
B2RHW6	CYT	Q7MUQ6	IM TM	F5XD10	CYT	peg.766	CYT	peg.1618	CYT	peg.1682	CYT	peg.1359	CYT
B2RHW1	CYT	Q7MUQ5	IM TM	F5XD80	CYT	peg.761	ECP	peg.1619	OM	peg.698	CYT	peg.1358	OM
B2RHW0	CYT	Q7MUQ4	CYT	F5XA48	IM TM	peg.277	CYT	peg.344	CYT	peg.699	CYT	peg.335	ECP
B2RH05	CYT	Q7MUQ3	CYT	F5X7N8	CYT	peg.184	CYT	peg.1615	CYT	peg.55	CYT	peg.334	CYT
B2RGY4	IM TM	Q7MUQ2	CYT	F5X7N9	PorSS	peg.185	CYT	peg.1616	CYT	peg.1651	CYT	peg.333	CYT
B2RGY5	CYT	Q7MUQ1	IM TM	F5XBG9	CYT	peg.186	CYT	peg.1617	CYT	peg.690	IM TM	peg.1057	CYT
B2RGY6	CYT	Q7MUQ0	CYT	F5X7N0	CYT	peg.187	IM TM	peg.1758	IM TM	peg.691	CYT	peg.1054	CYT
B2RGY7	ECP	Q7MV32	CYT	F5XBG6	CYT	peg.180	CYT	peg.431	OM LP	peg.692	CYT	peg.1351	CYT
B2RGY0	CYT	Q7MV33	CYT	F5XBY6	CYT	peg.181	CYT	peg.1123	CYT	peg.693	CYT	peg.1966	CYT
B2RGY1	CYT	Q7MV37	CYT	F5XBY7	CYT	peg.182	CYT	peg.1121	CYT	peg.694	CYT	peg.1058	ECP
B2RGY2	CYT	Q7MW33	CYT	F5XBJ6	CYT	peg.183	CYT	peg.805	CYT	peg.695	CYT	peg.1352	CYT
B2RGY3	IM TM	Q7MW32	CYT	F5XA49	PERI	peg.188	PERI	peg.1997	CYT	peg.696	CYT	peg.1355	CYT
B2RL05	CYT	Q7MW31	IM TM	F5X9Z3	IM TM	peg.189	CYT	peg.801	CYT	peg.697	CYT	peg.233	CYT
B2RL06	ECP	Q7MV39	CYT	F5XCY2	CYT	peg.24	CYT	peg.800	PERI	peg.590	CYT	peg.1357	IM TM
B2RL07	IM LP	Q7MW37	ECP	F5X8F9	IM TM	peg.22	CYT	peg.1129	IM TM	peg.594	CYT	peg.338	IM TM
B2RL08	PERI	Q7MW35	IM TM	F5XA35	CYT	peg.23	PorSS	peg.867	ECP	peg.599	CYT	peg.1687	CYT
B2RL09	OM LP	Q7MW34	CYT	F5XA34	CYT	peg.629	CYT	peg.866	CYT	peg.1201	OM LP	peg.1686	CYT
B2RJD5	CYT	Q7MTC7	CYT	F5XA37	CYT	peg.301	CYT	peg.1999	IM TM	peg.603	CYT	peg.1685	CYT
B2RM53	CYT	Q7MVP9	IM TM	F5XA36	CYT	peg.1350	CYT	peg.1998	IM TM	peg.602	CYT	peg.1684	CYT
B2RGW6	CYT	Q7MUX0	CYT	F5XDG8	CYT	peg.508	OM LP	peg.1542	CYT	peg.601	CYT	peg.1683	CYT
B2RGW7	CYT	Q7MUN2	IM TM	F5XA30	CYT	peg.509	IM LP	peg.1543	CYT	peg.600	CYT	peg.1682	CYT
B2RGW4	CYT	Q7MUN3	PERI	F5XA33	CYT	peg.500	CYT	peg.1544	CYT	peg.607	CYT	peg.1681	CYT
B2RGW5	CYT	Q7MUN0	IM TM	F5XA32	CYT	peg.501	IM TM	peg.1545	ECP	peg.606	CYT	peg.1680	CYT
B2RIT5	CYT	Q7MUN1	IM TM	F5XDG4	CYT	peg.502	OM	peg.720	CYT	peg.605	IM TM	peg.1965	CYT
B2RLL9	IM TM	Q7MUN6	CYT	F5XA39	CYT	peg.503	IM TM	peg.893	ECP	peg.160	CYT	peg.1689	CYT
B2RIT7	ECP	Q7MUN7	IM TM	F5XA38	CYT	peg.504	IM LP	peg.723	CYT	peg.161	ECP	peg.1688	CYT
B2RGW1	CYT	Q7MUN4	PERI	F5XDG2	IM TM	peg.505	CYT	peg.1984	CYT	peg.166	IM TM	peg.945	IM TM
B2RLL6	IM TM	Q7MUN5	OM LP	F5X7P6	CYT	peg.506	OM LP	peg.897	CYT	peg.1944	CYT	peg.1755	CYT

B2RJ11	CYT	Q7MUN8	CYT	F5XCP1	CYT	peg.507	CYT	peg.894	CYT	peg.1768	CYT	peg.1754	IM TM
B2RJ10	CYT	Q7MUN9	CYT	F5XD81	PERI	peg.1052	IM TM	peg.895	ECP	peg.1204	OM LP	peg.1757	ECP
B2RGW8	CYT	Q7MW48	CYT	F5XCP7	CYT	peg.1053	CYT	peg.826	ECP	peg.1826	ECP	peg.1756	CYT
B2RGW9	CYT	Q7MW47	CYT	F5XD83	IM TM	peg.1722	CYT	peg.1989	CYT	peg.1825	ECP	peg.430	IM TM
B2RK16	unknown	Q7MXK1	OM LP	F5XD82	IM TM	peg.1056	CYT	peg.8	CYT	peg.1769	OM	peg.431	PorSS
B2RHE3	CYT	Q7MWF5	CYT	F5X9N2	CYT	peg.1057	CYT	peg.1867	CYT	peg.184	IM TM	peg.344	CYT
B2RHE1	CYT	Q7MWF6	CYT	F5XCP8	IM TM	peg.1054	IM TM	peg.2033	ECP	peg.186	CYT	peg.1752	ECP
B2RJP6	CYT	Q7MTZ1	OM	F5XCP9	CYT	peg.1055	CYT	peg.2034	PERI	peg.180	IM TM	peg.1614	CYT
B2RJP7	CYT	Q7MTZ0	IM TM	F5XD88	CYT	peg.1728	CYT	peg.2039	CYT	peg.181	ECP	peg.1615	CYT
B2RJP4	CYT	Q7MWR8	CYT	F5X9N4	CYT	peg.1729	CYT	peg.1869	CYT	peg.1351	CYT	peg.349	CYT
B2RJP5	CYT	Q7MU53	CYT	F5XBD9	CYT	peg.1058	CYT	peg.1868	ECP	peg.26	CYT	peg.1610	CYT
B2RJP2	CYT	Q7MX06	ECP	F5X7G8	IM TM	peg.1059	ECP	peg.62	CYT	peg.27	CYT	peg.1611	CYT
B2RJP3	CYT	Q7MX01	CYT	F5XAD8	ECP	peg.231	CYT	peg.61	CYT	peg.24	CYT	peg.1612	IM TM
B2RJP1	CYT	Q7MX00	CYT	F5XCB8	CYT	peg.434	CYT	peg.64	CYT	peg.25	OM	peg.1753	IM TM
B2RMD9	IM TM	Q7MX02	CYT	F5X8I9	ECP	peg.942	CYT	peg.65	ECP	peg.1760	CYT	peg.1535	ECP
B2RMD8	ECP	Q7MW75	ECP	F5X7Y9	IM TM	peg.943	OM LP	peg.153	ECP	peg.1761	CYT	peg.1534	PERI
B2RJP8	IM TM	Q7MW74	CYT	F5X7Y8	OM	peg.944	OM LP	peg.152	CYT	peg.500	CYT	peg.1531	ECP
B2RJP9	CYT	Q7MXT1	CYT	F5X7Y5	OM LP	peg.1757	CYT	peg.158	OM LP	peg.501	PorSS	peg.1530	PERI
B2RGP3	ECP	Q7MXT0	CYT	F5X7Y4	CYT	peg.342	CYT	peg.1919	CYT	peg.502	CYT	peg.1533	PERI
B2RGP2	CYT	Q7MXT2	CYT	F5X8I1	ECP	peg.340	CYT	peg.94	CYT	peg.114	CYT	peg.1532	CYT
B2RM58	IM TM	Q7MWY9	PERI	F5X7Y1	IM TM	peg.291	CYT	peg.791	CYT	peg.111	CYT	peg.1126	CYT
B2RGP9	CYT	Q7M791	CYT	F5X7Y0	PorSS	peg.431	CYT	peg.659	CYT	peg.1720	CYT	peg.1124	CYT
B2RL10	OM LP	Q7M790	CYT	F5X7Y2	ECP	peg.432	CYT	peg.91	CYT	peg.1053	ECP	peg.1125	CYT
B2RLE3	CYT	Q7MWY7	CYT	F5X9W1	CYT	peg.433	CYT	peg.90	CYT	peg.1722	CYT	peg.1123	CYT
B2RJB1	ECP	Q7M796	CYT	F5XBN1	CYT	peg.1614	IM TM	peg.656	CYT	peg.334	CYT	peg.807	CYT
B2RGV6	CYT	Q7MU27	CYT	F5XCI7	PERI	peg.1615	CYT	peg.653	IM TM	peg.333	ECP	peg.1438	OM LP
B2RJB4	CYT	Q7MWP3	IM TM	F5X9W9	CYT	peg.1616	CYT	peg.1314	IM TM	peg.332	CYT	peg.803	CYT
B2RLE6	IM TM	Q7MWP0	ECP	F5X9W8	CYT	peg.1617	CYT	peg.1641	IM TM	peg.238	CYT	peg.802	IM TM
B2RLE5	IM TM	Q7MWP6	CYT	F5X7P9	ECP	peg.439	CYT	peg.1640	CYT	peg.1727	CYT	peg.1363	CYT
B2RIM3	CYT	Q7MWP4	CYT	F5X9G1	CYT	peg.1531	ECP	peg.1743	IM TM	peg.236	CYT	peg.1354	CYT
B2RJB8	CYT	Q7MSZ8	CYT	F5XB24	ECP	peg.1532	CYT	peg.1319	CYT	peg.1729	CYT	peg.2145	CYT
B2RGN1	CYT	Q7MUR7	CYT	F5X9G0	CYT	peg.1435	CYT	peg.804	ECP	peg.339	CYT	peg.2144	OM
B2RHZ1	CYT	Q7MUR4	CYT	F5X977	CYT	peg.1436	IM TM	peg.984	PorSS	peg.1687	CYT	peg.2147	CYT
B2RIA8	CYT	Q7MSZ0	IM TM	F5X976	CYT	peg.1718	CYT	peg.985	CYT	peg.1684	CYT	peg.2146	CYT
B2RIA6	CYT	Q7MUR8	CYT	F5X978	CYT	peg.1356	PorSS	peg.983	CYT	peg.623	CYT	peg.2141	OM
B2RIA7	CYT	Q7MVZ9	CYT	F5XCK3	CYT	peg.1128	CYT	peg.380	ECP	peg.1965	CYT	peg.2143	CYT
B2RHZ8	CYT	Q7MVZ8	CYT	F5XCK2	CYT	peg.376	OM	peg.381	CYT	peg.1688	ECP	peg.2142	CYT

B2RHZ9	IM TM	Q7MW00	CYT	F5XCK1	IM TM	peg.855	ECP	peg.1405	CYT	peg.948	CYT	peg.866	CYT
B2RIA2	CYT	Q7MW01	IM TM	F5XCK0	CYT	peg.1221	ECP	peg.573	CYT	peg.1755	CYT	peg.1851	IM TM
B2RIA3	IM TM	Q7MW06	CYT	F5XCK7	CYT	peg.1222	CYT	peg.572	PERI	peg.1731	CYT	peg.1548	CYT
B2RIA0	ECP	Q7MW07	CYT	F5XCK6	IM TM	peg.1540	IM LP	peg.574	CYT	peg.945	OM	peg.1229	ECP
B2RIA1	CYT	Q7MW04	CYT	F5XCK5	IM TM	peg.1980	CYT	peg.577	CYT	peg.946	OM LP	peg.1542	CYT
B2RI44	CYT	Q7MW05	CYT	F5XCK4	CYT	peg.1981	CYT	peg.430	OM	peg.342	CYT	peg.1855	CYT
B2RKV1	IM TM	Q7MVZ0	ECP	F5X870	CYT	peg.1982	CYT	peg.579	ECP	peg.1754	CYT	peg.1545	IM TM
B2RKV2	CYT	Q7MVZ3	CYT	F5X872	CYT	peg.723	CYT	peg.471	OM LP	peg.436	CYT	peg.892	CYT
B2RKV7	CYT	Q7MW09	CYT	F5XCK8	CYT	peg.3	CYT	peg.1162	CYT	peg.291	CYT	peg.893	CYT
B2RHB9	CYT	Q7MVZ5	IM TM	F5XAS5	IM TM	peg.1985	IM TM	peg.1008	IM TM	peg.346	CYT	peg.890	CYT
B2RH40	ECP	Q7MVZ4	CYT	F5X7R1	CYT	peg.1986	CYT	peg.1160	ECP	peg.347	CYT	peg.891	CYT
B2RK68	CYT	Q7MVZ7	CYT	F5XAS7	ECP	peg.895	ECP	peg.1406	CYT	peg.1752	CYT	peg.896	CYT
B2RKD1	CYT	Q7MVZ6	CYT	F5X7R3	CYT	peg.1988	CYT	peg.201	CYT	peg.1614	PERI	peg.897	IM TM
B2RKDo	IM TM	Q7MV68	unknown	F5X7R4	PERI	peg.899	CYT	peg.1741	CYT	peg.348	CYT	peg.894	CYT
B2RM16	CYT	Q7MV64	CYT	F5X8P4	CYT	peg.1866	ECP	peg.1003	CYT	peg.349	CYT	peg.727	PERI
B2RH45	IM TM	Q7MV67	IM TM	F5XAS3	CYT	peg.2033	CYT	peg.1004	CYT	peg.1759	CYT	peg.728	ECP
B2RH46	ECP	Q7MV61	CYT	F5X8P9	CYT	peg.1864	CYT	peg.1361	CYT	peg.1539	ECP	peg.729	CYT
B2RK61	CYT	Q7MV62	CYT	F5X8P8	ECP	peg.1863	CYT	peg.1988	CYT	peg.883	CYT	peg.898	PERI
B2RM18	PERI	Q7MVS2	CYT	F5XAP5	IM TM	peg.2034	CYT	peg.1403	CYT	peg.1992	CYT	peg.899	CYT
B2RK65	CYT	Q7MVS1	CYT	F5XD52	CYT	peg.1860	CYT	peg.1368	CYT	peg.1535	CYT	peg.2129	CYT
B2RHA1	CYT	Q7MVS4	CYT	F5XD53	CYT	peg.2039	CYT	peg.930	CYT	peg.1435	CYT	peg.1867	ECP
B2RIH5	CYT	Q7MW28	CYT	F5XD50	CYT	peg.68	CYT	peg.1485	CYT	peg.1432	CYT	peg.2030	CYT
B2RIH7	CYT	Q7MTFo	CYT	F5XD51	CYT	peg.69	CYT	peg.1484	CYT	peg.1439	IM TM	peg.1864	CYT
B2RIH6	CYT	Q7MWB4	OM LP	F5XD56	CYT	peg.62	CYT	peg.1487	CYT	peg.803	CYT	peg.1863	CYT
B2RLP4	ECP	Q7MWB2	IM TM	F5XD57	CYT	peg.60	CYT	peg.1486	CYT	peg.1129	PERI	peg.1860	CYT
B2RIH3	CYT	Q7MWB3	CYT	F5XD54	CYT	peg.61	CYT	peg.1768	CYT	peg.1791	ECP	peg.2039	CYT
B2RIH9	PERI	Q7MUK9	IM TM	F5XD55	CYT	peg.66	CYT	peg.277	CYT	peg.828	IM TM	peg.2038	PorSS
B2RHA6	IM TM	Q7MUK8	CYT	F5X9E1	CYT	peg.67	CYT	peg.274	CYT	peg.2143	CYT	peg.2132	CYT
B2RHS3	CYT	Q7MUK5	CYT	F5XD59	CYT	peg.64	ECP	peg.1482	CYT	peg.1999	CYT	peg.2133	IM TM
B2RHA4	CYT	Q7MUK4	CYT	F5X9E7	CYT	peg.65	CYT	peg.1489	CYT	peg.934	CYT	peg.1869	CYT
B2RHS5	CYT	Q7MUK7	CYT	F5X9E6	CYT	peg.150	CYT	peg.1488	CYT	peg.1998	CYT	peg.68	IM TM
B2RGT1	CYT	Q7MUK6	CYT	F5X9E5	ECP	peg.836	CYT	peg.1267	CYT	peg.1736	CYT	peg.61	CYT
B2RHS6	CYT	Q7MUK1	CYT	F5XC55	CYT	peg.549	CYT	peg.1266	CYT	peg.1540	IM TM	peg.66	CYT
B2RIB4	CYT	Q7MUK0	CYT	F5XC54	CYT	peg.795	CYT	peg.856	CYT	peg.1228	CYT	peg.67	CYT
B2RKM8	CYT	Q7MUK3	OM LP	F5XC57	PorSS	peg.96	CYT	peg.854	CYT	peg.1980	CYT	peg.64	CYT
B2RKM4	CYT	Q7MUK2	OM LP	F5XC51	ECP	peg.1918	IM TM	peg.851	CYT	peg.893	ECP	peg.65	CYT
B2RIC2	IM TM	Q7MV49	CYT	F5XC50	CYT	peg.658	CYT	peg.1463	CYT	peg.722	CYT	peg.151	unknown



B2RM60	CYT	Q7MW93	CYT	F5XC53	CYT	peg.659	CYT	peg.1462	CYT	peg.725	ECP	peg.150	CYT
B2RHA3	ECP	Q7MU96	CYT	F5XC52	IM TM	peg.654	CYT	peg.1461	CYT	peg.894	CYT	peg.157	CYT
B2RHA2	CYT	Q7MU94	ECP	F5X7X9	CYT	peg.655	CYT	peg.1508	CYT	peg.895	CYT	peg.155	CYT
B2RJ17	CYT	Q7MVA8	ECP	G1UBU7	OM LP	peg.656	CYT	peg.1465	OM LP	peg.8	IM TM	peg.154	CYT
B2RJ16	CYT	Q7MVA9	CYT	F5XAK0	ECP	peg.657	IM TM	peg.1218	CYT	peg.2030	CYT	peg.467	CYT
B2RJ11	PERI	Q7MTP3	CYT	F5XCL4	CYT	peg.650	IM TM	peg.581	ECP	peg.2037	CYT	peg.158	CYT
B2RJ10	OM	Q7MWK2	CYT	F5XCL5	CYT	peg.651	CYT	peg.582	IM TM	peg.2039	CYT	peg.466	CYT
B2RJ13	CYT	Q7MWK1	CYT	F5XCL2	CYT	peg.652	CYT	peg.583	CYT	peg.336	CYT	peg.97	CYT
B2RJ12	PERI	Q7MWK0	CYT	F5XCL3	CYT	peg.653	CYT	peg.584	CYT	peg.2135	ECP	peg.96	CYT
B2RGS2	CYT	Q7MWK4	CYT	F5XCL0	CYT	peg.1315	IM TM	peg.585	CYT	peg.1869	CYT	peg.95	CYT
B2RGS3	CYT	Q7MX45	OM	F5XCL1	CYT	peg.1642	CYT	peg.1215	CYT	peg.1868	CYT	peg.1918	IM TM
B2RGS0	IM TM	Q7MX44	CYT	F5XAU4	ECP	peg.1317	PERI	peg.1216	CYT	peg.68	CYT	peg.658	PERI
B2RGS1	CYT	Q7MX46	CYT	F5XBV0	CYT	peg.1640	CYT	peg.1217	IM TM	peg.1742	PERI	peg.659	CYT
B2RJ19	CYT	Q7MTY2	PERI	F5XBU2	CYT	peg.1310	IM TM	peg.610	CYT	peg.797	IM TM	peg.655	IM TM
B2RJ18	CYT	Q7MTY0	CYT	F5XBU7	CYT	peg.1313	IM TM	peg.580	CYT	peg.658	CYT	peg.656	PorSS
B2RGS4	CYT	P95493	PorSS	F5X8B9	CYT	peg.1312	PERI	peg.612	IM TM	peg.790	CYT	peg.657	CYT
B2RGS7	CYT	Q7MWU5	CYT	F5XAA9	CYT	peg.1648	CYT	peg.613	CYT	peg.792	ECP	peg.651	IM TM
B2RKC3	CYT	Q7MWU4	CYT	F5XAA8	CYT	peg.1319	CYT	peg.614	CYT	peg.654	CYT	peg.1915	CYT
B2RIQ4	CYT	Q7MWU1	CYT	F5XAA5	CYT	peg.1318	PERI	peg.616	IM TM	peg.1912	CYT	peg.653	CYT
B2RGS5	CYT	Q7MWU3	IM TM	F5X7D6	IM TM	peg.375	OM LP	peg.1219	CYT	peg.657	ECP	peg.1641	CYT
B2RJT9	OM	Q7MWL7	CYT	F5X8B6	CYT	peg.386	ECP	peg.1180	CYT	peg.798	CYT	peg.1640	CYT
B2RJT3	CYT	Q7M7B9	CYT	F5X7D4	CYT	peg.384	IM TM	peg.1181	CYT	peg.653	CYT	peg.1319	CYT
B2RJT4	CYT	Q7MU62	CYT	F5XBC2	CYT	peg.382	CYT	peg.1186	CYT	peg.1643	CYT	peg.984	CYT
B2RKR2	CYT	Q7M7B5	CYT	F5XBC3	CYT	peg.380	CYT	peg.1187	CYT	peg.1314	CYT	peg.980	ECP
B2RHH8	CYT	Q7M7B7	CYT	F5XBC7	CYT	peg.381	IM TM	peg.2008	CYT	peg.1317	CYT	peg.981	ECP
B2RHH9	CYT	Q7MWL8	CYT	F5XBC4	CYT	peg.478	CYT	peg.1956	CYT	peg.1316	CYT	peg.983	CYT
B2RJ86	CYT	Q7MUV3	ECP	F5XA71	CYT	peg.479	CYT	peg.1955	OM LP	peg.1647	CYT	peg.382	CYT
B2RIB8	PERI	Q7MUV3	CYT	F5XA70	CYT	peg.1987	CYT	peg.1954	PERI	peg.1310	CYT	peg.380	CYT
B2RJ82	CYT	Q7MTB2	CYT	F5XA73	CYT	peg.576	CYT	peg.1953	CYT	peg.1313	CYT	peg.801	IM TM
B2RJF6	CYT	Q7MTB1	CYT	F5XA72	IM TM	peg.470	CYT	peg.1952	CYT	peg.1312	PERI	peg.577	CYT
B2RLI4	CYT	Q7MTB6	CYT	F5X9B2	CYT	peg.471	CYT	peg.1951	CYT	peg.373	CYT	peg.470	PERI
B2RJF2	ECP	Q7MV38	CYT	F5X9B3	CYT	peg.472	CYT	peg.1950	CYT	peg.1319	CYT	peg.471	OM LP
B2RJF3	ECP	Q7MXE7	CYT	F5XA76	CYT	peg.473	CYT	peg.1816	CYT	peg.1318	CYT	peg.472	OM LP
B2RJF9	IM TM	Q7MXJ7	OM	F5X7K5	CYT	peg.474	CYT	peg.2001	PERI	peg.374	ECP	peg.473	OM LP
B2RIS9	CYT	Q7MW59	CYT	F5XA12	CYT	peg.475	CYT	peg.2002	IM TM	peg.988	IM TM	peg.474	IM TM
B2RHF4	ECP	Q7MW58	PorSS	F5XAH2	CYT	peg.476	CYT	peg.2003	PERI	peg.989	CYT	peg.475	OM
B2RIS2	CYT	Q7MXJ0	CYT	F5XAH4	IM TM	peg.477	CYT	peg.2004	IM TM	peg.984	PERI	peg.476	IM TM

B2RIS3	CYT	Q7MXJ9	ECP	F5X798	CYT	peg.1162	IM TM	peg.754	CYT	peg.985	IM LP	peg.477	CYT
B2RIS6	CYT	Q7MXJ8	PERI	F5X797	ECP	peg.1008	CYT	peg.2006	PERI	peg.986	IM TM	peg.203	CYT
B2RJM2	CYT	Q7MTE7	CYT	F5X796	CYT	peg.1160	CYT	peg.2007	CYT	peg.987	OM	peg.1167	CYT
B2RJM5	ECP	Q7MTE2	PorSS	F5X9P4	CYT	peg.1161	CYT	peg.36	CYT	peg.980	CYT	peg.1007	CYT
B2RJM7	CYT	Q7MTE8	CYT	F5XDB5	CYT	peg.1166	CYT	peg.31	CYT	peg.981	IM LP	peg.1006	CYT
B2RKZ5	PERI	Q7MTE9	CYT	F5XDB4	CYT	peg.201	CYT	peg.32	IM TM	peg.982	PERI	peg.1360	IM TM
B2RLF8	CYT	Q7MT96	IM TM	F5XDB3	CYT	peg.1165	CYT	peg.1719	PERI	peg.983	OM LP	peg.1361	IM TM
B2RIZ9	ECP	Q7MWG2	ECP	F5XDB2	CYT	peg.1003	CYT	peg.537	ECP	peg.382	CYT	peg.1362	CYT
B2RIZ6	CYT	Q7MUD6	CYT	F5XDB1	ECP	peg.1004	CYT	peg.539	ECP	peg.381	CYT	peg.1988	CYT
B2RIZ5	CYT	Q7MUD8	CYT	F5X8E6	CYT	peg.208	CYT	peg.267	CYT	peg.478	CYT	peg.1364	CYT
B2RIZ4	CYT	Q7MTW0	IM TM	F5X8E5	CYT	peg.1364	CYT	peg.108	CYT	peg.479	PorSS	peg.1365	CYT
B2RLT4	CYT	Q7MTW2	IM TM	F5X8E0	ECP	peg.875	OM LP	peg.105	CYT	peg.572	CYT	peg.1366	CYT
B2RLT3	ECP	Q7MVD8	unknown	G1UBU9	OM LP	peg.1367	ECP	peg.106	CYT	peg.577	IM TM	peg.1367	CYT
B2RIC3	PERI	Q7MX37	CYT	F5XAY7	CYT	peg.931	CYT	peg.1335	CYT	peg.579	CYT	peg.1368	CYT
B2RIQ5	CYT	Q7MXW1	CYT	F5X9K0	CYT	peg.1485	PERI	peg.324	IM TM	peg.578	CYT	peg.1369	CYT
B2RKQ0	CYT	Q7MT01	IM TM	F5X9K3	CYT	peg.1484	CYT	peg.325	IM LP	peg.1167	ECP	peg.930	IM TM
B2RKQ1	CYT	Q7MXW8	CYT	F5XBJ8	IM TM	peg.270	CYT	peg.326	OM LP	peg.1007	CYT	peg.932	CYT
B2RM21	IM TM	Q7MWZ7	CYT	F5XCU9	CYT	peg.276	CYT	peg.1730	CYT	peg.1006	CYT	peg.1485	CYT
B2RM27	CYT	Q7M7H2	CYT	F5XCU8	CYT	peg.1480	CYT	peg.320	CYT	peg.1361	CYT	peg.1487	OM
B2RM26	CYT	Q7MTN1	CYT	F5XAZ7	CYT	peg.1483	CYT	peg.321	IM TM	peg.1363	CYT	peg.1486	PorSS
B2RM24	CYT	Q7M7G7	CYT	F5XBJ1	CYT	peg.1482	CYT	peg.1043	CYT	peg.1364	CYT	peg.276	ECP
B2RL81	CYT	Q7MVK1	CYT	F5XBJ0	CYT	peg.1764	CYT	peg.1042	ECP	peg.1369	CYT	peg.1480	CYT
B2RM29	PERI	Q7M7G8	CYT	F5XCU7	CYT	peg.1765	IM TM	peg.241	CYT	peg.876	CYT	peg.1483	IM TM
B2RL83	CYT	Q7MWQ1	CYT	F5XBJ2	CYT	peg.278	CYT	peg.240	CYT	peg.939	ECP	peg.278	ECP
B2RL84	IM TM	Q7MWQ0	CYT	F5XCU1	IM TM	peg.279	CYT	peg.1049	CYT	peg.1485	ECP	peg.1767	CYT
B2RIE3	ECP	Q7MWQ3	CYT	F5XBJ4	CYT	peg.1260	ECP	peg.329	PERI	peg.1484	ECP	peg.1489	CYT
B2RI30	CYT	Q7MWQ2	CYT	F5XBJ7	CYT	peg.1263	CYT	peg.976	CYT	peg.1487	CYT	peg.1488	CYT
B2RI31	IM TM	Q7MWQ4	CYT	F5XCU2	CYT	peg.1262	ECP	peg.875	CYT	peg.1486	CYT	peg.1398	IM TM
B2RK16	ECP	Q7MWQ9	CYT	F5X8W8	CYT	peg.857	CYT	peg.972	CYT	peg.1481	CYT	peg.482	CYT
B2RJ51	CYT			F5X7Y6	CYT	peg.854	IM TM	peg.789	IM TM	peg.1480	CYT	peg.1264	CYT
B2RJE0	CYT			F5X8W6	CYT	peg.1468	CYT	peg.1714	ECP	peg.1483	CYT	peg.1504	CYT
B2RJ52	CYT			F5X8I7	OM LP	peg.853	CYT	peg.618	ECP	peg.1482	CYT	peg.855	OM LP
B2RK77	PERI			F5XCG5	CYT	peg.1467	CYT	peg.403	CYT	peg.1764	CYT	peg.1513	CYT
B2RKG1	CYT			F5X838	PorSS	peg.1509	ECP	peg.961	CYT	peg.1765	CYT	peg.1503	CYT
B2RJX0	CYT			F5X839	ECP	peg.2078	CYT	peg.405	CYT	peg.1766	CYT	peg.1463	CYT
B2RHT1	CYT			F5XCG1	CYT	peg.2074	CYT	peg.619	CYT	peg.1767	PERI	peg.1509	CYT
B2RGX9	ECP			F5X834	CYT	peg.2071	CYT	peg.1601	ECP	peg.1489	CYT	peg.2079	CYT

B2RGX8	CYT	F5X830	CYT	peg.144	CYT	peg.1600	CYT	peg.1488	CYT	peg.2078	CYT
B2RHT4	CYT	F5X831	CYT	peg.612	CYT	peg.1139	CYT	peg.1762	CYT	peg.2075	CYT
B2RGS9	PERI	F5X832	CYT	peg.613	CYT	peg.1138	CYT	peg.1763	IM TM	peg.2074	CYT
B2RGX2	ECP	F5XCG8	CYT	peg.614	CYT	peg.1133	CYT	peg.1269	CYT	peg.2077	CYT
B2RGX5	IM TM	F5X8L7	ECP	peg.615	CYT	peg.1132	CYT	peg.1268	CYT	peg.2076	CYT
B2RH04	CYT	F5X7V1	CYT	peg.616	CYT	peg.1135	CYT	peg.1265	CYT	peg.2071	IM TM
B2RM57	CYT	F5X7V8	CYT	peg.617	CYT	peg.1134	IM TM	peg.1264	OM LP	peg.2070	CYT
B2RM54	CYT	F5X8L8	CYT	peg.618	CYT	peg.1137	CYT	peg.1267	CYT	peg.2073	CYT
B2RM55	CYT	F5XAW1	OM	peg.619	CYT	peg.1136	CYT	peg.1266	CYT	peg.2072	CYT
B2RM52	CYT	F5XAW0	ECP	peg.1183	OM	peg.1426	CYT	peg.1261	CYT	peg.581	ECP
B2RH01	CYT	F5XAW2	OM LP	peg.1184	CYT	peg.1425	CYT	peg.1263	OM LP	peg.726	CYT
B2RL19	IM TM	F5XAW4	OM	peg.1185	ECP	peg.1036	CYT	peg.1262	CYT	peg.1210	ECP
B2RM51	CYT	F5XAW6	ECP	peg.1186	CYT	peg.1420	PERI	peg.1469	CYT	peg.1212	CYT
B2RL15	CYT	F5XC13	CYT	peg.1187	CYT	peg.1038	CYT	peg.1468	ECP	peg.1213	CYT
B2RL14	IM TM	F5XCX1	CYT	peg.1952	CYT	peg.1039	IM TM	peg.852	CYT	peg.1214	ECP
B2RL13	OM	F5XC15	CYT	peg.1950	CYT	peg.1782	CYT	peg.851	CYT	peg.1694	IM TM
B2RH09	IM TM	F5XB58	ECP	peg.2003	CYT	peg.817	IM TM	peg.1463	CYT	peg.1347	CYT
B2RKH9	ECP	F5X908	CYT	peg.754	OM LP	peg.814	IM TM	peg.1462	CYT	peg.1181	IM TM
B2RM59	IM TM	F5XA26	IM TM	peg.1693	PERI	peg.969	IM TM	peg.1461	CYT	peg.1344	IM TM
B2RGV5	IM TM	F5XBQ9	ECP	peg.480	CYT	peg.2009	CYT	peg.1467	CYT	peg.2008	CYT
B2RGV4	CYT	F5X901	CYT	peg.545	CYT	peg.424	OM LP	peg.1466	CYT	peg.1956	ECP
B2RGV7	ECP	F5X902	ECP	peg.32	CYT	peg.363	CYT	peg.1465	CYT	peg.1697	CYT
B2RLM8	IM TM	F5XBQ2	CYT	peg.536	CYT	peg.1818	CYT	peg.1464	IM TM	peg.751	CYT
B2RGV1	ECP	F5X907	CYT	peg.1339	ECP	peg.1255	CYT	peg.2075	CYT	peg.2001	ECP
B2RGV3	CYT	F5XCH0	CYT	peg.264	CYT	peg.1256	PorSS	peg.2070	CYT	peg.753	CYT
B2RGV2	IM TM	F5XCH1	CYT	peg.1338	CYT	peg.4	CYT	peg.2171	IM TM	peg.2003	CYT
B2RJJ0	CYT	F5X9F2	CYT	peg.267	CYT	peg.1817	ECP	peg.1392	CYT	peg.2006	CYT
B2RJJ2	CYT	F5X9F3	CYT	peg.318	CYT	peg.1551	IM TM	peg.1218	CYT	peg.1958	CYT
B2RGV9	CYT	F5X9Fo	CYT	peg.104	CYT	peg.1554	ECP	peg.583	OM	peg.1692	OM
B2RGV8	CYT	F5X9F1	CYT	peg.106	CYT	peg.1858	CYT	peg.588	CYT	peg.308	OM
B2RHB8	IM TM	F5X9F6	CYT	peg.102	CYT	peg.1859	CYT	peg.589	CYT	peg.1693	CYT
B2RJF7	CYT	F5XDD7	CYT	peg.103	CYT	peg.719	CYT	peg.1215	CYT	peg.36	IM TM
B2RLJ4	ECP	F5X9F4	CYT	peg.327	CYT	peg.1852	CYT	peg.1216	CYT	peg.31	CYT
B2RJQ7	CYT	F5X9F5	CYT	peg.1041	CYT	peg.1853	CYT	peg.1217	CYT	peg.30	CYT
B2RJQ6	CYT	F5X9F8	CYT	peg.1736	CYT	peg.865	CYT	peg.610	CYT	peg.32	CYT
B2RJQ1	CYT	F5X9F9	CYT	peg.1735	ECP	peg.1987	CYT	peg.614	CYT	peg.315	IM TM
B2RJQ0	CYT	F5XD09	CYT	peg.1734	CYT	peg.711	CYT	peg.615	CYT	peg.314	CYT

B2RMG7	CYT	F5XD08	CYT	peg.1324	OM LP	peg.1188	CYT	peg.616	CYT	peg.535	CYT
B2RJQ8	CYT	F5XD07	CYT	peg.1325	OM	peg.1854	CYT	peg.1183	OM LP	peg.534	CYT
B2RHM6	CYT	F5XD02	CYT	peg.1739	CYT	peg.1813	ECP	peg.1184	CYT	peg.536	CYT
B2RRH9	CYT	F5XAL8	unknown	peg.1738	CYT	peg.2044	ECP	peg.1953	IM TM	peg.531	CYT
B2RJC9	CYT	F5XAL9	IM TM	peg.1049	ECP	peg.2045	CYT	peg.1644	IM TM	peg.530	ECP
B2RJC8	CYT	F5X7B7	CYT	peg.1048	CYT	peg.2046	CYT	peg.753	PERI	peg.309	PERI
B2RJC5	ECP	F5XAL2	ECP	peg.245	CYT	peg.2047	PERI	peg.755	CYT	peg.1338	IM TM
B2RLX4	CYT	F5XBX3	IM TM	peg.244	CYT	peg.2040	CYT	peg.754	CYT	peg.267	CYT
B2RLX7	CYT	F5XBX2	CYT	peg.661	CYT	peg.292	CYT	peg.1959	IM TM	peg.266	ECP
B2RKU7	CYT	F5XBX4	CYT	peg.976	CYT	peg.2048	PERI	peg.1958	IM TM	peg.1336	CYT
B2RKU0	PorSS	F5X8Y9	CYT	peg.1708	CYT	peg.2049	OM	peg.944	CYT	peg.1045	IM TM
B2RKU1	CYT	F5X991	CYT	peg.973	CYT	peg.142	CYT	peg.1719	CYT	peg.1732	CYT
B2RGW2	CYT	F5X8A1	CYT	peg.1709	CYT	peg.144	CYT	peg.1718	CYT	peg.248	CYT
B2RGW3	CYT	F5X8A6	CYT	peg.979	CYT	peg.669	CYT	peg.316	ECP	peg.1328	CYT
B2RIY4	PorSS	F5XAB0	CYT	peg.665	CYT	peg.668	CYT	peg.104	CYT	peg.1329	CYT
B2RGW0	CYT	F5X8A5	CYT	peg.664	CYT	peg.786	CYT	peg.261	IM TM	peg.322	CYT
B2RI75	CYT	F5X7A9	CYT	peg.667	CYT	peg.787	CYT	peg.1733	CYT	peg.1042	IM TM
B2RI76	CYT	F5XCW5	CYT	peg.406	CYT	peg.784	CYT	peg.1732	IM TM	peg.1324	CYT
B2RI94	CYT	F5XAB8	CYT	peg.1606	CYT	peg.785	CYT	peg.249	unknown	peg.242	IM TM
B2RM76	CYT	F5XA00	CYT	peg.1605	IM TM	peg.661	ECP	peg.248	ECP	peg.241	IM TM
B2RH59	PERI	F5XA01	ECP	peg.666	CYT	peg.660	CYT	peg.1737	ECP	peg.1327	CYT
B2RKK9	IM TM	F5XA02	CYT	peg.1602	ECP	peg.663	CYT	peg.263	ECP	peg.1320	CYT
B2RH57	OM	F5XCQ1	CYT	peg.1138	IM TM	peg.662	CYT	peg.1735	CYT	peg.547	CYT
B2RH56	CYT	F5XCQ0	CYT	peg.1131	CYT	peg.665	CYT	peg.1734	CYT	peg.975	OM LP
B2RKK4	CYT	F5XCQ2	ECP	peg.1425	CYT	peg.664	CYT	peg.243	CYT	peg.974	OM
B2RH54	OM LP	F5XBF8	CYT	peg.1424	ECP	peg.667	CYT	peg.1325	IM TM	peg.977	OM
B2RH53	OM	F5XAJ5	CYT	peg.1423	IM TM	peg.666	CYT	peg.1739	CYT	peg.976	OM LP
B2RKK3	CYT	F5XBF3	ECP	peg.1037	CYT	peg.1677	IM TM	peg.1738	OM	peg.973	OM
B2RI98	CYT	F5XBF2	IM TM	peg.1786	CYT	peg.1675	CYT	peg.1320	CYT	peg.979	ECP
B2RI99	CYT	F5XAE3	IM TM	peg.1787	CYT	peg.1671	CYT	peg.329	CYT	peg.978	OM LP
B2RHP6	CYT	F5XAE7	CYT	peg.817	CYT	peg.360	IM TM	peg.1322	CYT	peg.268	CYT
B2RIK5	CYT	F5X7H9	CYT	peg.1742	OM LP	peg.361	CYT	peg.244	CYT	peg.1609	CYT
B2RIK6	CYT	F5XBK5	CYT	peg.354	CYT	peg.362	IM TM	peg.975	ECP	peg.1608	CYT
B2RIK7	OM	F5XBH9	CYT	peg.1746	IM TM	peg.426	OM LP	peg.974	CYT	peg.1607	CYT
B2RIJ2	CYT	F5XBH5	CYT	peg.1256	CYT	peg.364	CYT	peg.977	CYT	peg.1606	CYT
B2RLQ2	CYT	F5XA45	IM TM	peg.1983	CYT	peg.365	CYT	peg.970	CYT	peg.1605	CYT
B2RL51	IM TM	F5XCC9	CYT	peg.1250	CYT	peg.366	CYT	peg.973	CYT	peg.1604	ECP

B2RL57	CYT	F5X9I1	CYT	peg.1551	ECP	peg.367	ECP	peg.1330	CYT	peg.1602	CYT
B2RM18	CYT	F5XCC3	CYT	peg.467	CYT	peg.1862	CYT	peg.979	CYT	peg.368	CYT
B2RKL8	CYT	F5XCW8	CYT	peg.1993	CYT	peg.1889	CYT	peg.978	CYT	peg.1032	CYT
B2RM13	ECP	F5XDI5	PERI	peg.1997	CYT	peg.440	CYT	peg.662	IM TM	peg.1033	ECP
B2RM11	CYT	F5XCC5	IM TM	peg.1996	CYT	peg.2062	ECP	peg.354	IM TM	peg.1786	IM TM
B2RM17	CYT	F5XCC4	IM TM	peg.1995	ECP	peg.1812	OM	peg.785	CYT	peg.817	CYT
B2RJ20	CYT	F5X7Z8	CYT	peg.1994	PERI	peg.840	CYT	peg.1714	CYT	peg.759	IM TM
B2RJ21	IM TM	F5X7Z9	CYT	peg.1852	CYT	peg.834	CYT	peg.1609	CYT	peg.2009	CYT
B2RJ22	ECP	F5X7Z0	CYT	peg.1853	IM TM	peg.835	CYT	peg.1608	CYT	peg.1339	PERI
B2RJ23	CYT	F5X7Z1	CYT	peg.717	IM TM	peg.1177	ECP	peg.409	CYT	peg.788	CYT
B2RJ24	ECP	F5X7Z2	CYT	peg.716	IM TM	peg.1176	PorSS	peg.1139	CYT	peg.724	CYT
B2RJ25	ECP	F5X7Z3	CYT	peg.1854	CYT	peg.1078	ECP	peg.1131	OM LP	peg.1556	IM TM
B2RHN8	IM TM	F5X7Z4	CYT	peg.1855	CYT	peg.1170	IM TM	peg.1130	ECP	peg.1554	CYT
B2RJ27	ECP	F5X7Z5	CYT	peg.2044	CYT	peg.1173	CYT	peg.1133	CYT	peg.1992	CYT
B2RJ28	CYT	F5X7Z6	CYT	peg.2045	PERI	peg.1070	CYT	peg.1132	IM TM	peg.1749	ECP
B2RJ29	CYT	F5X7Z7	CYT	peg.2046	PERI	peg.1071	ECP	peg.1135	CYT	peg.1	ECP
B2RGR4	CYT	F5XCZ5	ECP	peg.2047	OM	peg.1072	PERI	peg.1134	CYT	peg.1852	ECP
B2RMC5	CYT	F5XCZ6	CYT	peg.466	CYT	peg.1073	CYT	peg.1136	unknown	peg.1853	CYT
B2RMC3	CYT	F5X9T8	CYT	peg.2049	CYT	peg.752	CYT	peg.1030	CYT	peg.1850	CYT
B2RJU5	IM TM	F5XBM5	CYT	peg.79	ECP	peg.1378	ECP	peg.1426	IM TM	peg.895	CYT
B2RJU4	CYT	F5XBM6	CYT	peg.78	IM TM	peg.755	CYT	peg.818	CYT	peg.863	ECP
B2RK55	CYT	F5XBM7	CYT	peg.71	CYT	peg.1775	PorSS	peg.1033	CYT	peg.1854	CYT
B2RJ99	CYT	F5X9T6	CYT	peg.70	CYT	peg.284	IM TM	peg.1035	CYT	peg.860	IM TM
B2RK51	CYT	F5X9T7	IM TM	peg.73	CYT	peg.1773	OM LP	peg.1421	IM TM	peg.2044	ECP
B2RK52	CYT	F5X8Z3	CYT	peg.72	CYT	peg.282	CYT	peg.1420	IM TM	peg.2045	CYT
B2RJ95	CYT	F5X8Z0	CYT	peg.75	IM TM	peg.1771	CYT	peg.1039	CYT	peg.2046	IM TM
B2RJ94	CYT	F5XB18	OM	peg.74	IM TM	peg.1770	CYT	peg.1782	IM TM	peg.2128	ECP
B2RJ97	CYT	F5XA79	CYT	peg.77	IM TM	peg.1147	CYT	peg.1429	CYT	peg.2040	CYT
B2RJ96	CYT	F5XB14	ECP	peg.76	CYT	peg.1296	IM TM	peg.355	IM TM	peg.2041	CYT
B2RJ91	CYT	F5XB15	CYT	peg.141	CYT	peg.1297	IM TM	peg.1743	PERI	peg.2042	OM
B2RJ93	CYT	F5XB16	IM TM	peg.142	ECP	peg.569	CYT	peg.1324	CYT	peg.2043	IM TM
B2RJ92	CYT	F5XB17	ECP	peg.143	CYT	peg.1517	CYT	peg.1741	OM	peg.2123	IM TM
B2RJG9	CYT	F5XB12	IM TM	peg.1510	CYT	peg.1515	CYT	peg.423	ECP	peg.2121	CYT
B2RLN9	CYT	F5XB13	CYT	peg.149	CYT	peg.1514	OM	peg.1744	CYT	peg.1811	CYT
B2RHG5	ECP	F5X9Z2	CYT	peg.1865	ECP	peg.1104	CYT	peg.1338	IM TM	peg.2048	ECP
B2RHG7	OM	F5X949	CYT	peg.669	CYT	peg.1105	CYT	peg.366	CYT	peg.79	CYT
B2RHG6	CYT	F5X945	CYT	peg.668	CYT	peg.1511	IM TM	peg.1553	ECP	peg.78	CYT

B2RHG1	OM LP	F5X946	CYT	peg.787	CYT	peg.1459	ECP	peg.1552	CYT	peg.1529	CYT
B2RHG0	IM TM	F5X869	CYT	peg.1926	CYT	peg.1454	CYT	peg.1551	CYT	peg.70	CYT
B2RHG3	OM LP	F5X801	IM TM	peg.660	ECP	peg.1455	IM TM	peg.1550	OM	peg.140	CYT
B2RGTo	OM LP	F5X800	IM TM	peg.663	CYT	peg.1452	CYT	peg.1571	CYT	peg.142	ECP
B2RHG9	PERI	F5XCD7	CYT	peg.662	CYT	peg.1519	CYT	peg.1859	ECP	peg.145	CYT
B2RHG8	OM LP	F5XAP0	CYT	peg.1922	PorSS	peg.1518	PERI	peg.1997	OM	peg.149	ECP
B2RKP7	CYT	F5X802	CYT	peg.1923	PERI	peg.1893	CYT	peg.866	CYT	peg.669	CYT
B2RJN8	CYT	F5X888	CYT	peg.1920	CYT	peg.1793	CYT	peg.865	CYT	peg.668	CYT
B2RJN7	CYT	F5XDH0	CYT	peg.1862	CYT	peg.1589	CYT	peg.727	CYT	peg.781	CYT
B2RKP5	CYT	F5XAP6	CYT	peg.1672	CYT	peg.1584	CYT	peg.1857	PERI	peg.1928	CYT
B2RJN3	IM TM	F5XBE1	IM LP	peg.1112	CYT	peg.1027	OM	peg.1664	CYT	peg.1523	CYT
B2RKP1	CYT	G1UBU6	CYT	peg.548	CYT	peg.1582	CYT	peg.2045	CYT	peg.661	OM
B2RKY1	IM TM	F5X887	CYT	peg.442	CYT	peg.1583	CYT	peg.2047	CYT	peg.663	CYT
B2RKY2	CYT	F5XDH9	CYT	peg.448	IM TM	peg.1024	CYT	peg.2006	CYT	peg.662	IM TM
B2RGSS	CYT	F5XCK9	IM TM	peg.833	CYT	peg.1205	CYT	peg.2120	CYT	peg.665	CYT
B2RLG0	CYT	G1UBU3	OM	peg.568	CYT	peg.1028	CYT	peg.2048	CYT	peg.664	CYT
B2RLU3	CYT	F5XD41	CYT	peg.563	ECP	peg.742	CYT	peg.2049	CYT	peg.667	CYT
B2RLU2	OM	F5XD40	CYT	peg.1115	CYT	peg.628	unknown	peg.2125	OM LP	peg.666	CYT
B2RLU1	PorSS	F5XD43	CYT	peg.1172	IM TM	peg.1192	CYT	peg.2124	CYT	peg.1676	CYT
B2RLU7	CYT	F5XD42	CYT	peg.218	CYT	peg.622	ECP	peg.75	CYT	peg.1677	CYT
B2RLU6	CYT	F5XD45	CYT	peg.219	CYT	peg.1801	CYT	peg.74	CYT	peg.1674	CYT
B2RLU5	IM TM	F5XD44	CYT	peg.1375	CYT	peg.2019	CYT	peg.77	CYT	peg.1675	IM TM
B2RLU4	OM LP	F5XD47	CYT	peg.929	ECP	peg.2013	CYT	peg.76	CYT	peg.1673	CYT
B2RLU9	IM TM	F5XD46	CYT	peg.920	CYT	peg.2012	ECP	peg.147	IM TM	peg.1670	CYT
B2RLU8	CYT	F5XD49	CYT	peg.1412	CYT	peg.2011	CYT	peg.668	ECP	peg.360	IM TM
B2RL95	CYT	F5XD48	CYT	peg.289	CYT	peg.2010	CYT	peg.786	CYT	peg.1678	CYT
B2RL94	CYT	F5XB81	CYT	peg.288	CYT	peg.2016	CYT	peg.787	CYT	peg.1679	CYT
B2RL93	CYT	F5XB80	CYT	peg.287	CYT	peg.1179	IM TM	peg.1928	CYT	peg.2130	IM TM
B2RL98	ECP	F5XB87	CYT	peg.286	CYT	peg.1178	CYT	peg.464	CYT	peg.1525	CYT
B2RH88	ECP	F5XB86	PorSS	peg.285	CYT	peg.522	CYT	peg.1924	CYT	peg.444	CYT
B2RH89	CYT	F5XB85	ECP	peg.284	IM TM	peg.521	ECP	peg.1925	CYT	peg.442	IM TM
B2RKP9	CYT	F5XB84	ECP	peg.283	CYT	peg.484	ECP	peg.664	PorSS	peg.449	ECP
B2RKP8	CYT	F5XC62	CYT	peg.282	CYT	peg.487	CYT	peg.1920	CYT	peg.448	CYT
B2RH84	CYT	F5X9F7	CYT	peg.281	CYT	peg.486	CYT	peg.1921	CYT	peg.2136	ECP
B2RH86	CYT	F5XBT9	CYT	peg.280	CYT	peg.545	CYT	peg.1676	CYT	peg.562	ECP
B2RH87	CYT	F5XBT8	CYT	peg.1299	CYT	peg.130	CYT	peg.1672	CYT	peg.215	CYT
B2RJV6	CYT	F5XCM5	CYT	peg.1100	CYT	peg.313	CYT	peg.1673	CYT	peg.217	OM

B2RI29	CYT
B2RID9	IM TM
B2RID8	ECP

F5XCM4	CYT	peg.1101	CYT	peg.315	CYT	peg.1670	CYT	peg.1079	PERI
G1UBV2	CYT	peg.1104	IM TM	peg.316	CYT	peg.1671	IM TM	peg.1172	CYT
F5XCM1	CYT	peg.1105	CYT	peg.251	CYT	peg.2068	CYT	peg.1074	ECP
F5X914	CYT	peg.1106	CYT	peg.252	CYT	peg.1728	IM TM	peg.218	CYT
F5XCM8	CYT	peg.824	CYT	peg.1709	CYT	peg.2069	CYT	peg.1372	CYT
F5X894	CYT	peg.829	CYT	peg.962	CYT	peg.1113	CYT	peg.1371	CYT
F5X895	CYT	peg.1143	IM TM	peg.963	CYT	peg.447	IM TM	peg.1370	CYT
F5XA44	PERI	peg.1452	CYT	peg.960	IM TM	peg.441	OM LP	peg.1378	ECP
F5X8M6	CYT	peg.1519	CYT	peg.327	OM LP	peg.1888	CYT	peg.1882	CYT
F5XA46	PERI	peg.1507	ECP	peg.966	CYT	peg.449	CYT	peg.926	CYT
F5XA47	IM TM	peg.1893	CYT	peg.967	CYT	peg.448	ECP	peg.925	OM
F5XA40	IM TM	peg.1890	PERI	peg.964	CYT	peg.562	IM TM	peg.1773	CYT
F5X7R6	CYT	peg.1891	CYT	peg.965	CYT	peg.1176	CYT	peg.1771	ECP
F5XA42	IM TM	peg.1793	CYT	peg.968	CYT	peg.1079	OM LP	peg.1290	CYT
F5X7E3	CYT	peg.1899	CYT	peg.790	CYT	peg.1332	CYT	peg.1291	CYT
F5X7E5	CYT	peg.1792	CYT	peg.322	OM	peg.1076	CYT	peg.1292	ECP
F5X7E4	IM TM	peg.116	IM TM	peg.323	ECP	peg.1077	OM	peg.1294	CYT
F5X7E6	PorSS	peg.1794	CYT	peg.554	CYT	peg.1370	CYT	peg.1295	CYT
F5X7I5	CYT	peg.1201	PorSS	peg.1636	CYT	peg.1882	CYT	peg.1296	CYT
F5X9P2	CYT	peg.1968	CYT	peg.1637	ECP	peg.1331	CYT	peg.1297	CYT
F5XAJ7	CYT	peg.742	CYT	peg.1829	CYT	peg.926	IM TM	peg.1298	IM TM
F5X9C4	CYT	peg.628	CYT	peg.416	CYT	peg.925	CYT	peg.1299	CYT
F5X9C3	CYT	peg.741	CYT	peg.92	CYT	peg.1779	IM TM	peg.1517	PERI
F5X9C2	CYT	peg.625	OM	peg.1148	CYT	peg.287	CYT	peg.1101	CYT
F5XA14	CYT	peg.624	CYT	peg.1149	CYT	peg.286	CYT	peg.821	CYT
F5X7L6	CYT	peg.626	IM TM	peg.1144	CYT	peg.1775	CYT	peg.1514	CYT
F5XA12	CYT	peg.621	CYT	peg.1145	CYT	peg.1774	CYT	peg.1104	CYT
F5XA11	CYT	peg.1967	PERI	peg.1146	CYT	peg.1773	CYT	peg.1105	CYT
F5X7N7	CYT	peg.623	CYT	peg.792	CYT	peg.1772	CYT	peg.1511	CYT
F5X7L8	CYT	peg.622	CYT	peg.1140	IM TM	peg.1771	CYT	peg.1510	CYT
F5X7I0	ECP	peg.1803	IM TM	peg.1141	CYT	peg.1770	ECP	peg.1457	IM TM
F5XAJ0	CYT	peg.2018	CYT	peg.1142	CYT	peg.1291	CYT	peg.1454	CYT
F5X9E9	CYT	peg.1805	CYT	peg.1143	CYT	peg.1293	CYT	peg.1455	CYT
F5XDE2	IM TM	peg.1804	CYT	peg.1023	IM TM	peg.1294	CYT	peg.1519	CYT
F5XDE0	CYT	peg.1807	CYT	peg.1022	IM TM	peg.1295	CYT	peg.1518	OM LP
F5X9E8	CYT	peg.2016	CYT	peg.1021	CYT	peg.1296	CYT	peg.1896	CYT
F5XDE6	CYT	peg.631	IM TM	peg.1020	CYT	peg.1297	CYT	peg.1897	ECP

F5XDE7	PERI	peg.523	PERI	peg.1795	ECP	peg.1298	CYT	peg.1894	CYT
F5XDE4	CYT	peg.521	ECP	peg.1026	IM TM	peg.1299	CYT	peg.1895	CYT
F5X8Do	IM TM	peg.481	CYT	peg.1025	IM TM	peg.2059	CYT	peg.1892	CYT
F5X8D2	IM TM	peg.1776	IM TM	peg.1796	CYT	peg.823	CYT	peg.1893	CYT
F5X9Ho	CYT	peg.483	CYT	peg.1029	CYT	peg.827	IM TM	peg.1890	CYT
F5X9H1	ECP	peg.482	CYT	peg.553	CYT	peg.1106	CYT	peg.1891	CYT
F5X9H2	CYT	peg.139	CYT	peg.1911	CYT	peg.1510	CYT	peg.2088	CYT
F5X9H3	ECP	peg.636	IM TM	peg.1772	IM TM	peg.1456	CYT	peg.1898	CYT
F5X9H4	ECP	peg.791	CYT	peg.1774	PERI	peg.1109	CYT	peg.1899	CYT
F5XB1	CYT	peg.258	CYT			peg.1454	CYT	peg.1586	CYT
F5X9H6	CYT	peg.259	CYT			peg.1455	CYT	peg.1580	CYT
F5X9H7	IM TM	peg.1704	CYT			peg.1450	ECP	peg.1341	PERI
F5X9H8	CYT	peg.317	IM TM			peg.1897	CYT	peg.1796	CYT
F5X9H9	IM TM	peg.1701	CYT			peg.1893	CYT	peg.1798	CYT
F5XB19	CYT	peg.319	CYT			peg.1890	ECP	peg.1201	CYT
F5XCV0	CYT	peg.251	CYT			peg.1891	CYT	peg.1200	ECP
F5XD58	CYT	peg.252	CYT			peg.2088	ECP	peg.1205	ECP
F5X829	CYT	peg.1333	IM TM			peg.1899	CYT	peg.1199	CYT
F5X823	CYT	peg.1332	CYT			peg.2167	CYT	peg.1198	CYT
F5X822	CYT	peg.256	ECP			peg.2166	CYT	peg.742	ECP
F5X825	CYT	peg.257	unknown			peg.2165	CYT	peg.1962	CYT
F5X824	CYT	peg.962	IM TM			peg.2164	CYT	peg.1963	CYT
F5XAT6	CYT	peg.1737	CYT			peg.2163	CYT	peg.1960	ECP
F5X7Wo	CYT	peg.1329	CYT			peg.1589	CYT	peg.1197	IM TM
F5XATo	CYT	peg.1632	ECP			peg.2161	CYT	peg.1196	CYT
F5X7W6	CYT	peg.1630	CYT			peg.2160	CYT	peg.1964	ECP
F5X7W8	ECP	peg.1631	ECP			peg.1581	CYT	peg.1194	CYT
F5XB47	OM LP	peg.550	ECP			peg.2169	CYT	peg.1353	ECP
F5XC28	CYT	peg.416	CYT			peg.2168	CYT	peg.1807	CYT
F5XC29	CYT	peg.93	CYT			peg.1203	OM LP	peg.2011	CYT
F5X8N3	IM TM	peg.1638	PERI			peg.1202	OM	peg.2010	IM TM
F5XC27	CYT	peg.1639	IM TM			peg.1393	CYT	peg.2015	CYT
F5XD69	CYT	peg.1326	OM			peg.1200	ECP	peg.914	ECP
F5X8N2	ECP	peg.1144	IM TM			peg.1207	CYT	peg.521	CYT
F5X917	CYT	peg.1145	CYT			peg.1206	OM	peg.1906	IM TM
F5X916	CYT	peg.1411	ECP			peg.1205	OM	peg.524	ECP
F5X915	CYT	peg.831	CYT			peg.1170	CYT	peg.481	CYT



F5XD68	CYT	peg.246	CYT	peg.1199	CYT	peg.529	CYT
F5X913	CYT	peg.874	unknown	peg.1198	ECP	peg.485	CYT
F5X912	CYT	peg.1913	CYT	peg.624	IM TM	peg.484	CYT
F5X8Y1	CYT	peg.1021	CYT	peg.1960	CYT	peg.137	CYT
F5X8Y4	CYT	peg.1389	CYT	peg.54	CYT	peg.311	OM LP
F5X857	CYT	peg.1322	OM	peg.621	CYT	peg.1707	CYT
F5XCI9	CYT	peg.1799	CYT	peg.1196	CYT	peg.313	OM LP
F5X7P7	CYT	peg.1323	OM LP	peg.1195	CYT	peg.1702	IM TM
F5X7P4	unknown	peg.1772	CYT	peg.749	CYT	peg.1703	CYT
F5X7P5	OM LP	peg.915	PERI	peg.2018	IM TM	peg.1700	CYT
F5X7P2	ECP	peg.910	CYT	peg.2013	CYT	peg.1701	CYT
F5X7P3	OM LP	peg.1915	CYT	peg.2012	PERI	peg.1337	CYT
F5X7Po	IM TM	peg.1914	CYT	peg.2011	PERI	peg.318	CYT
F5X7P1	CYT			peg.2010	CYT	peg.1335	CYT
F5XCI5	IM TM			peg.2015	IM TM	peg.1334	CYT
F5XD61	CYT			peg.2014	PorSS	peg.1333	IM TM
F5X7P8	CYT			peg.58	ECP	peg.1332	IM TM
F5XCI6	CYT			peg.105	CYT	peg.1331	unknown
F5XA88	PERI			peg.489	CYT	peg.1330	CYT
F5XA89	CYT			peg.520	CYT	peg.962	CYT
F5X9G3	CYT			peg.526	CYT	peg.963	ECP
F5X9G2	CYT			peg.527	IM TM	peg.961	CYT
F5X9G5	OM LP			peg.525	CYT	peg.968	OM LP
F5X9G4	CYT			peg.528	CYT	peg.1919	IM TM
F5X9G7	ECP			peg.138	CYT	peg.94	CYT
F5X9G6	OM LP			peg.791	CYT	peg.1636	CYT
F5X9G9	CYT			peg.258	CYT	peg.1637	ECP
F5X9G8	CYT			peg.259	CYT	peg.1634	CYT
F5XA82	CYT			peg.313	CYT	peg.1635	IM TM
F5XA83	CYT			peg.312	CYT	peg.93	IM TM
F5XA84	ECP			peg.314	CYT	peg.1638	CYT
F5XA86	CYT			peg.1339	CYT	peg.1639	CYT
F5XD38	CYT			peg.325	CYT	peg.412	IM TM
F5XD39	CYT			peg.1337	IM TM	peg.413	ECP
F5XD30	CYT			peg.1336	IM TM	peg.92	CYT
F5XD31	CYT			peg.1335	CYT	peg.1418	CYT
F5XD32	CYT			peg.1334	CYT	peg.1413	PorSS

F5XD33	CYT
F5XD34	CYT
F5XD35	IM TM
F5XD36	CYT
F5XD37	CYT
F5XAM9	CYT
F5XAM3	CYT
F5XAM0	IM LP
F5XAM7	CYT
F5XAM6	CYT
F5X7B5	CYT
F5XAC2	CYT
F5X7B8	OM
F5XA19	CYT
F5XA18	CYT
F5XA17	CYT
F5XA16	CYT
F5XA15	CYT
F5XA14	CYT
F5XA13	CYT
F5X9L9	CYT
F5XA11	CYT
F5XA10	ECP
F5XCR8	CYT
F5XCR9	CYT
F5XBE0	IM TM
F5XCR5	CYT
F5XCR6	CYT
F5XCR7	CYT
F5XDI3	CYT
F5XAJ8	CYT
F5XAJ6	CYT
F5X7L4	ECP
F5XAJ4	CYT
F5X7I6	IM TM
F5XAJ3	IM TM
F5X7I3	ECP

peg.1333	CYT	peg.1410	CYT
peg.255	ECP	peg.831	ECP
peg.1708	ECP	peg.1414	CYT
peg.1709	CYT	peg.1795	CYT
peg.1730	CYT	peg.1024	IM LP
peg.966	CYT	peg.1383	CYT
peg.1328	OM	peg.1323	ECP
peg.969	CYT	peg.1387	CYT
peg.1040	CYT	peg.915	IM TM
peg.323	ECP	peg.1910	CYT
peg.557	CYT	peg.913	CYT
peg.556	IM TM	peg.912	CYT
peg.1636	CYT	peg.911	CYT
peg.1637	ECP	peg.910	CYT
peg.417	CYT	peg.99	CYT
peg.1638	PERI	peg.1845	IM TM
peg.412	CYT	peg.98	CYT
peg.413	PERI		
peg.1020	CYT		
peg.558	CYT		
peg.1327	CYT		
peg.1410	ECP		
peg.1411	CYT		
peg.1140	CYT		
peg.1141	ECP		
peg.1321	CYT		
peg.1023	PERI		
peg.1022	OM LP		
peg.1021	IM TM		
peg.1792	CYT		
peg.1027	IM TM		
peg.1026	IM TM		
peg.1025	IM TM		
peg.1024	PERI		
peg.1382	CYT		
peg.1383	IM TM		
peg.1380	ECP		

F5XAR1	ECP
F5X9R8	CYT
F5XBI5	CYT
F5X9R6	CYT
F5X9R7	CYT
F5X9R4	IM TM
F5XBI6	CYT
F5X8K4	CYT
F5X8K5	CYT
F5X8K6	CYT
F5X8K7	CYT
F5XBU1	CYT
F5X8K8	ECP
F5XAX8	CYT
F5XAX9	CYT
F5XBI2	CYT
F5XAX1	CYT
F5XBI3	CYT
F5XAX6	ECP
F5XAX7	CYT
F5X9U8	CYT
F5X9U5	IM TM
F5X9U2	CYT
F5X9U1	CYT
F5X9U0	IM TM
F5XBL1	CYT
F5X9U4	CYT

peg.1323	IM TM
peg.1384	CYT
peg.917	CYT
peg.1914	CYT
peg.609	CYT

**Table S6.** *The P. gingivalis core exoproteome.* The presented list includes all proteins from the core proteome that have a predicted OM or extracellular localization. Proteins potentially secreted via ECP are not included in the list.

ATCC 33277		W83		TDC60		MDS33		MDS140		512915		20655	
ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.
B2RHG2	OM LP	Q7MXK2	OM LP	F5X818	CYT	peg.1743	OM LP	peg.425	OM LP	peg.1078	OM LP	peg.312	OM LP
B2RHG4	OM LP	Q7MXK0	OM LP	F5X8J0	OM LP	peg.1741	OM LP	peg.427	OM LP	peg.1080	OM LP	peg.310	OM LP
B2RLI7	OM	Q7MU02	OM	F5XB31	OM	peg.1938	OM	peg.155	OM	peg.2128	OM	peg.1435	OM
B2RGR3	OM LP	P49008	OM LP	F5X7C8	OM LP	peg.1577	OM LP	peg.1917	OM LP	peg.960	CYT	peg.1281	CYT
B2RKV0	PorSS	Q7MWU2	PorSS	F5XBC6	PorSS	peg.569	PorSS	peg.2041	PorSS	peg.1745	PorSS	peg.1202	PorSS
B2RM77	OM	F5HFX8	OM	F5X819	OM	peg.1869	OM	peg.1539	OM	peg.1693	OM	peg.688	OM
B2RK12	OM LP	Q7MVH1	CYT	F5XAE1	OM LP	peg.785	OM LP	peg.518	OM LP	peg.683	OM LP	peg.1986	OM LP
B2RHF6	OM LP	Q7MXK6	OM LP	F5X813	CYT	peg.1751	OM LP	peg.418	OM LP	peg.1649	OM LP	peg.320	OM LP
B2RJS1	OM LP	Q7MV09	PERI	F5XDC8	PERI	peg.2062	OM LP	peg.1499	OM LP	peg.432	OM LP	peg.1812	OM LP
B2RKE1	PorSS	Q7MVL8	PorSS	F5XY92	PorSS	peg.212	PorSS	peg.1209	PorSS	peg.362	PorSS	peg.104	PorSS
B2RKP0	PorSS	Q7MWP7	PorSS	F5XBJ3	PorSS	peg.1857	PorSS	peg.1828	PorSS	peg.338	PorSS	peg.2120	PorSS
B2RJ34	OM LP	Q7MUU8	OM	F5XCS2	OM	peg.168	OM	peg.778	OM	peg.1389	OM LP	peg.1285	OM LP
B2RM01	OM LP	Q7MTK4	OM LP	F5X7V6	OM LP	peg.1897	OM LP	peg.905	OM LP	peg.2041	OM LP	peg.629	OM LP
B2RKR1	OM	Q7MWR1	OM	F5XBG7	OM	peg.604	OM	peg.1553	OM	peg.113	OM	peg.457	OM
B2RMF1	OM LP	Q7MXS9	IM TM	F5X896	ECP	peg.2043	IM TM	peg.20	IM TM	peg.1521	IM TM	peg.1171	OM LP
B2RHW8	OM	Q7MU80	OM	F5X918	OM	peg.1831	OM	peg.1164	OM	peg.1054	OM	peg.1401	OM
B2RH25	OM LP	Q7MT79	PERI	F5XAZ2	ECP	peg.1355	OM LP	peg.1476	OM LP	peg.665	OM LP	peg.947	OM LP
B2RLU0	OM LP	Q7MTQ7	OM LP	F5X7N6	OM LP	peg.873	OM LP	peg.1776	OM LP	peg.1128	OM LP	peg.1941	OM LP
B2RI38	OM LP	Q7MUD0	OM LP	F5X985	OM LP	peg.1443	OM LP	peg.1963	OM LP	peg.549	OM LP	peg.555	OM LP
B2RLP2	OM LP	Q7MTY1	IM LP	F5X712	IM TM	peg.1969	IM LP	peg.802	IM LP	peg.411	IM LP	peg.1056	OM LP
B2RKX6	OM LP	Q7MWW7	CYT	F5XC36	OM LP	peg.541	OM LP	peg.1992	OM LP	peg.1210	OM LP	peg.1098	OM LP
B2RIN9	OM	Q7MWE3	OM	F5XCC1	OM	peg.1147	OM	peg.1654	OM	peg.1962	OM	peg.805	OM
B2RI81	OM	Q7MUG9	OM	F5X9C9	OM	peg.27	OM	peg.988	OM	peg.505	OM	peg.2035	OM
B2RJ64	OM	Q7MUS3	OM	F5XCN3	OM	peg.830	OM	peg.853	OM	peg.2145	OM	peg.1550	OM
B2RLL3	OM LP	Q7MTV4	OM LP	G1UBU5	OM LP	peg.1537	OM LP	peg.831	OM LP	peg.1797	OM LP	peg.1027	OM LP
B2RHH3	OM	Q7MXJ3	OM	F5X8J9	OM	peg.371	OM	peg.435	OM	peg.1089	OM	peg.302	OM
B2RMI7	OM LP	Q7MT10	OM LP	F5XD14	OM LP	peg.916	OM LP	peg.1421	OM LP	peg.1613	OM LP	peg.162	OM LP
B2RLK9	OM LP	Q7MTV0	OM LP	F5X7E8	ECP	peg.1542	ECP	peg.2059	ECP	peg.2112	ECP	peg.1022	ECP
B2RIN0	OM LP	Q7MWF1	OM LP	F5XCB2	OM LP	peg.1156	OM LP	peg.1645	OM LP	peg.1971	CYT	peg.814	CYT
B2RML3	OM	Q7MSY4	OM	F5XCV9	OM	peg.1028	OM	peg.1880	OM	peg.765	OM	peg.189	OM
B2RH71	OM	Q7MT42	OM	F5XAU7	OM	peg.940	OM	peg.1224	OM	peg.1186	OM	peg.993	OM
B2RIR5	OM	F5HHM2	OM	F5XCE7	OM	peg.1121	OM	peg.1734	OM	peg.1937	OM	peg.780	OM

B2RJ72	PorSS	Q9RQJ2	PorSS	F5XCM6	PorSS	peg.2	PorSS	peg.847	PorSS	peg.788	PorSS	peg.1543	PorSS
B2RMF3	OM	Q7MXS7	OM	F5X898	OM	peg.2041	OM	peg.18	OM	peg.1523	OM	peg.1169	OM
B2RLI7	PorSS	Q7MWG3	PorSS	F5XC99	PorSS	peg.1173	PorSS	peg.1630	PorSS	peg.1986	PorSS	peg.827	PorSS
B2RH03	OM	Q7MT28	OM	F5XAS8	OM	peg.1550	OM	peg.1448	OM	peg.1168	OM	peg.1322	OM
B2RGN8	OM LP	Q7MXX8	OM LP	F5X7A5	CYT	peg.1044	OM LP	peg.1896	CYT	peg.1043	CYT	peg.206	CYT
B2RGP6	PorSS	Q7MXX2	PorSS	F5X7B2	PorSS	peg.892	PorSS	peg.1903	PorSS	peg.1049	PorSS	peg.212	PorSS
B2RLBo	OM	Q7MX84	OM	F5XBP8	OM	peg.750	OM	peg.226	OM	peg.860	OM	peg.851	OM
B2RLP1	PorSS	F5H9F8	PorSS	F5X711	PorSS	peg.1508	PERI	peg.803	PorSS	peg.410	PorSS	peg.1055	PorSS
B2RLL8	OM	Q7MTV9	OM	F5X7F8	OM	peg.1533	OM	peg.827	OM	peg.1793	OM	peg.1031	OM
B2RLV4	OM	Q7MTP7	OM	F5X7Q6	OM	peg.883	OM	peg.1749	OM	peg.82	OM	peg.1498	OM
B2RMG4	OM	Q7MXR8	OM	F5X8B1	OM	peg.2028	OM	peg.5	OM	peg.1534	OM	peg.1419	OM
B2RLP9	OM	Q7MTY7	OM	F5X7J2	CYT	peg.1962	OM	peg.795	CYT	peg.419	CYT	peg.1063	CYT
B2RHH5	OM	Q7MXJ1	OM	F5X8K1	OM	peg.369	OM	peg.437	OM	peg.1091	OM	peg.300	OM
B2RIG9	OM	Q7MWK8	OM	F5XC45	OM	peg.1219	OM	peg.1577	OM	peg.187	OM	peg.1162	OM
B2RH21	OM LP	Q7MT85	OM LP	F5XAZ6	OM LP	peg.1361	OM LP	peg.1481	OM LP	peg.659	OM LP	peg.942	OM LP
B2RH30	OM	Q7MT75	OM	F5XAY6	OM	peg.1349	Unknown	peg.1471	Unknown	peg.670	Unknown	peg.953	Unknown
B2RJ74	PorSS	Q7MUR6	PorSS	F5XCM3	PorSS	peg.4	PorSS	peg.846	PorSS	peg.499	PorSS	peg.2093	PorSS
B2RHY7	OM LP	Q7MU92	OM	F5X934	OM LP	peg.1760	OM LP	peg.1184	OM LP	peg.1072	OM	peg.2064	OM LP
B2RKE5	PorSS	Q7MVM2	PorSS	F5X9X9	PorSS	peg.215	PorSS	peg.1212	PorSS	peg.359	PorSS	peg.107	PorSS
B2RLH6	OM LP	Q7MU12	IM TM	F5XB42	OM LP	peg.2053	OM LP	peg.166	OM LP	peg.952	OM LP	peg.1446	OM LP
B2RI50	OM LP	Q7MUE3	PERI	F5X997	IM TM	peg.1457	IM TM	peg.698	IM TM	peg.538	IM TM	peg.567	IM TM
B2RKZ4	OM	Q7MWY8	OM	F5XC14	OM	peg.524	OM	peg.343	OM	peg.1856	OM	peg.1080	OM
B2RL30	PorSS	F5HGU5	PorSS	F5XBX6	PorSS	peg.485	PorSS	peg.304	PorSS	peg.1004	PorSS	peg.494	PorSS
B2RIM8	OM	F5HE36	OM	F5XCBo	OM	peg.1158	OM	peg.1643	OM	peg.1974	OM	peg.816	OM
B2RLE7	OM	Q7MXB4	OM	F5XB71	OM	peg.715	OM	peg.193	OM	peg.826	OM	peg.240	OM
B2RH02	OM	F5H9B8	OM	F5XAS9	OM	peg.1549	OM	peg.1447	OM	peg.1169	OM	peg.1321	OM
B2RHB3	OM LP	Q7MXP5	OM LP	F5X8D9	CYT	peg.1255	CYT	peg.375	OM LP	peg.167	CYT	peg.1766	OM LP
B2RH26	PorSS	F5H179	PorSS	F5XAZ1	PorSS	peg.1354	PorSS	peg.1475	PorSS	peg.666	PorSS	peg.948	PorSS
B2RLF1	OM	Q7MXB8	OM	F5XB67	OM	peg.711	OM	peg.189	OM	peg.821	OM	peg.236	OM
B2RKZ7	OM LP	Q7MWZ1	IM TM	F5XC11	OM LP	peg.520	OM LP	peg.341	OM LP	peg.1860	OM LP	peg.1077	OM LP
B2RJW2	OM LP	Q7MUX6	CYT	F5XCV6	CYT	peg.134	CYT	peg.747	CYT	peg.1356	OM LP	peg.1665	CYT
B2RHS4	OM	Q7MU49	OM	F5X8X3	OM	peg.996	OM	peg.1352	OM	peg.1260	OM	peg.1715	OM
B2RKG0	OM LP	Q7MVN2	OM LP	F5X9W5	CYT	peg.225	OM LP	peg.1222	OM LP	peg.343	OM LP	peg.122	OM LP
B2RKE7	OM LP	Q7MVM4	OM	F5X9X7	OM LP	peg.217	OM LP	peg.1214	OM LP	peg.357	OM LP	peg.109	OM LP
B2RHL4	OM LP	Q7MXF8	CYT	F5X8Q2	CYT	peg.1005	OM LP	peg.735	OM LP	peg.2119	OM LP	peg.1384	OM LP
B2RKF9	OM	Q7MVN1	OM	F5X9W6	OM	peg.224	OM	peg.1221	IM TM	peg.344	OM	peg.121	OM
B2RKH1	OM	Q7MVP2	OM	F5X9V3	OM	peg.236	OM	peg.650	OM	peg.228	OM	peg.132	OM

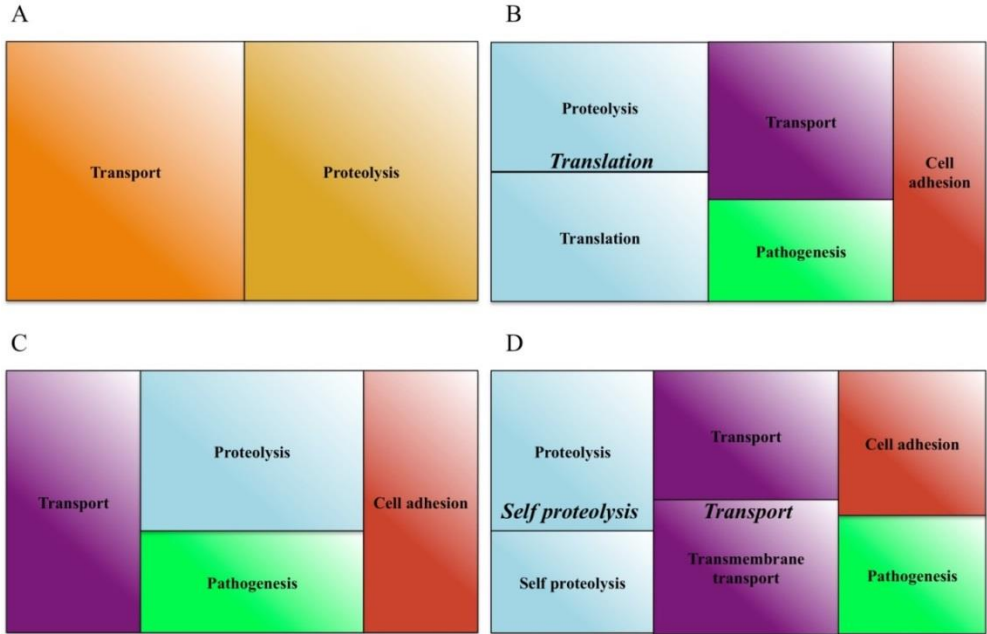
B2RL18	OM LP	Q7MX05	CYT	F5XBY8	OM LP	peg.497	OM LP	peg.317	CYT	peg.992	OM LP	peg.480	OM LP
B2RHD1	PorSS	Q7MXM8	PorSS	F5X8F8	PorSS	peg.1275	PorSS	peg.393	PorSS	peg.148	PorSS	peg.1785	PorSS
B2RIV2	OM	F5HG90	OM	G1UBU4	OM	peg.2001	OM	peg.1066	OM	peg.1896	OM	peg.735	OM
B2RHL0	OM	F5H9H1	OM	F5X8Q0	OM	peg.2021	OM	peg.737	OM	peg.437	OM	peg.1382	OM
B2RJE7	OM LP	Q7MVR4	CYT	F5X9S8	CYT	peg.271	OM LP	peg.627	OM LP	peg.250	OM LP	peg.1585	OM LP
B2RHK8	OM LP	Q7MXF9	OM LP	F5X8P6	CYT	peg.1650	OM LP	peg.473	CYT	peg.439	OM LP	peg.1380	OM LP
B2RLF3	OM	Q7MXCo	OM	F5XB65	OM	peg.709	OM	peg.187	OM	peg.819	OM	peg.234	OM
B2RM02	OM LP	Q7MTK3	OM LP	F5X7V7	OM LP	peg.1898	CYT	peg.904	CYT	peg.2040	CYT	peg.630	CYT
B2RJ26	PorSS	F5HDB6	PorSS	F5XCT0	PorSS	peg.161	PorSS	peg.770	PorSS	peg.1381	PorSS	peg.1293	PorSS
B2RIQ3	OM	Q9S3R9	OM	F5XCD6	OM	peg.1132	OM	peg.1668	OM	peg.1947	OM	peg.791	OM
B2RJo6	OM	Q7MW38	OM	F5XD21	OM	peg.839	OM	peg.1985	OM	peg.1137	OM	peg.1506	OM
B2RHK9	PorSS	F5HE64	PorSS	F5X8P7	PorSS	peg.1651	PorSS	peg.474	PorSS	peg.438	PorSS	peg.1381	PorSS
B2RJV3	OM LP	Q7MUY3	PERI	F5XD92	OM LP	peg.126	OM LP	peg.739	OM LP	peg.1348	OM LP	peg.273	OM LP
B2RKCo	OM LP	F5HF80	OM LP	F5XA05	OM LP	peg.191	OM LP	peg.1189	OM LP	peg.385	OM LP	peg.75	OM LP
B2RK05	OM LP	Q7MVH7	CYT	F5XAE9	OM LP	peg.793	OM LP	peg.511	OM LP	peg.289	OM LP	peg.1994	OM LP
B2RH82	OM LP	Q7MT31	OM LP	F5XAT2	OM LP	peg.1547	CYT	peg.1445	OM LP	peg.1172	OM LP	peg.1004	OM LP
B2RHH4	OM	Q7MXJ2	OM	F5X8K0	OM	peg.370	OM	peg.436	OM	peg.1090	OM	peg.301	OM
B2RHP7	OM LP	Q7MXC8	OM LP	F5X8U2	OM LP	peg.970	OM LP	peg.1328	OM LP	peg.1236	OM LP	peg.1739	OM LP
B2RHBo	OM	Q7MXP8	OM	F5X8D6	OM	peg.1252	OM	peg.372	OM	peg.170	OM	peg.1763	OM
B2RMD5	OM	Q7MXU4	OM	F5X882	OM	peg.1386	OM	peg.35	OM	peg.1506	OM	peg.1184	OM
B2RIR6	OM LP	Q7MWC1	OM LP	F5XCE8	OM LP	peg.1120	CYT	peg.1733	OM LP	peg.1936	CYT	peg.778	CYT
B2RIQ2	OM	Q9S3R8	OM	F5XCD5	OM	peg.1133	OM	peg.1667	OM	peg.1948	OM	peg.792	OM
B2RHH1	OM	Q7MXJ5	OM	F5X8J7	OM	peg.373	OM	peg.433	OM	peg.1087	OM	peg.304	OM
B2RJ58	OM	Q7MUS9	OM	F5XCP2	ECP	peg.822	ECP	peg.860	OM	peg.69	ECP	peg.1557	ECP
B2RGZ5	OM	Q7MT24	OM	F5XAS0	OM	peg.1556	OM	peg.1938	OM	peg.1162	OM	peg.1314	OM
B2RGZ6	OM LP	F5HAH6	OM LP	F5XAS1	OM LP	peg.1555	OM LP	peg.1939	OM LP	peg.1163	OM LP	peg.1315	OM LP
B2RIM9	OM LP	Q7MWF2	OM LP	F5XCB1	OM LP	peg.1157	OM LP	peg.1644	OM LP	peg.1973	OM LP	peg.815	CYT
B2RHS8	OM LP	Q7MU51	OM LP	F5X8X8	OM LP	peg.1000	OM LP	peg.1355	OM LP	peg.647	CYT	peg.1009	CYT
B2RL17	OM LP	Q7MX04	OM LP	F5XBY9	OM LP	peg.498	OM LP	peg.318	OM LP	peg.991	OM LP	peg.479	OM LP
B2RKQ6	OM	F5H9J5	OM	F5XBH1	OM	peg.608	OM	peg.1549	OM	peg.109	OM	peg.461	OM
B2RI01	OM	Q7MUA6	OM	F5X948	OM	peg.1410	OM	peg.1756	OM	peg.1593	OM	peg.2049	OM
B2RJJ7	OM LP	Q7MVB8	PERI	F5X9M7	PERI	peg.335	PERI	peg.137	PERI	peg.910	OM LP	peg.375	PERI
B2RMD7	OM LP	Q7MXU2	ECP	F5X884	OM LP	peg.1388	OM LP	peg.33	PERI	peg.1508	OM LP	peg.1182	ECP
B2RI12	OM LP	Q7MUA0	CYT	F5X959	OM LP	peg.1419	OM LP	peg.1569	OM LP	peg.1544	OM LP	peg.919	OM LP
B2RIT2	OM LP	Q7MWA5	OM LP	F5XCG4	PERI	peg.1097	PERI	peg.1046	OM LP	peg.1917	PERI	peg.756	PERI
B2RMB0	OM	Q7MTC8	OM	F5X856	OM	peg.1827	OM	peg.63	OM	peg.1843	OM	peg.1231	OM
B2RIM5	OM	Q7MWF3	ECP	F5XCA8	OM	peg.1163	OM	peg.1639	OM	peg.1977	OM	peg.819	OM

B2RHZ4	OM LP	Q7MUB1	OM LP	F5X941	OM LP	peg.1403	OM LP	peg.1762	OM LP	peg.1584	OM LP	peg.2056	PERI
B2RLT2	OM LP	Q7MTR3	OM LP	F5X7M9	OM LP	peg.867	OM LP	peg.1783	OM LP	peg.1122	OM LP	peg.1948	OM LP
B2RMC1	OM LP	F5HAC9	OM LP	F5X867	OM LP	peg.1373	OM LP	peg.49	OM LP	peg.1579	OM LP	peg.1243	OM LP
B2RI00	OM	Q7MUA7	OM	F5X947	OM	peg.1409	OM	peg.1757	OM	peg.1592	OM	peg.2050	OM
B2RJC6	OM LP	Q7MVK0	OM LP	F5XAH3	OM LP	peg.63	OM LP	peg.485	OM LP	peg.315	OM LP	peg.580	OM LP

**Table S7.** Variable exoproteomes of the investigated *P. gingivalis* strains. The presented list includes all proteins from the variable proteomes of the investigated strains that have a predicted OM or extracellular localization. Proteins potentially secreted via ECP are not included in the list.

ATCC 33277		W83		TDC6o		MDS33		MDS14o		512915		20655	
ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.	ID	Pred.
B2RH52	OM	Q7MUZ4	OM	F5X953	OM	peg.677	OM	peg.171	OM LP	peg.1329	OM LP	peg.701	PorSS
B2RL65	OM	F5H948	OM LP	F5X952	OM LP	peg.1971	PorSS	peg.678	OM	peg.1311	OM LP	peg.2112	OM
B2RLK7	PorSS	Q7MUL5	OM	F5XBZ7	OM LP	peg.1321	OM LP	peg.957	OM LP	peg.678	OM LP	peg.425	OM
B2RLK2	PorSS	Q7MT8o	PorSS	F5X929	PorSS	peg.1744	OM	peg.1523	OM	peg.1066	PorSS	peg.1598	OM
B2RH58	OM LP	P59914	OM LP	F5XC18	OM LP	peg.1888	OM LP	peg.1599	PorSS	peg.1285	OM LP	peg.495	OM
B2RH55	OM LP	P59915	PorSS	F5XA52	OM LP	peg.1886	OM	peg.881	PorSS	peg.1284	OM	peg.1902	OM
B2RM93	PorSS	Q7MWL4	PorSS	F5XC19	OM LP	peg.1597	OM	peg.1575	OM	peg.1757	OM	peg.307	OM LP
B2RI85	PorSS	Q7MT1	OM	F5XC89	OM	peg.579	PorSS	peg.592	PorSS	peg.1085	OM LP	peg.2100	OM LP
B2RL11	OM LP	Q7MT17	PorSS	F5XA24	OM	peg.1755	PorSS	peg.112	OM	peg.1084	OM	peg.766	OM LP
B2RLH1	OM LP	Q7MX16	PorSS	F5X9D3	PorSS	peg.645	OM LP	peg.1619	OM	peg.1201	OM LP	peg.1691	OM LP
B2RHY2	PorSS	Q7MT56	OM	F5XBZ3	OM	peg.110	OM	peg.431	OM LP	peg.1204	OM LP	peg.1358	OM
B2RLA6	OM LP	Q7MT57	OM	F5XBD8	PorSS	peg.1413	OM	peg.158	OM LP	peg.1769	OM	peg.431	PorSS
B2RH37	OM LP	Q7MT54	OM	F5X8L3	OM	peg.55	OM	peg.984	PorSS	peg.25	OM	peg.1438	OM LP
B2RIB6	OM LP	Q7MT55	OM LP	F5XAY9	PorSS	peg.23	PorSS	peg.430	OM	peg.501	PorSS	peg.2144	OM
B2RI05	OM LP	Q7MT52	OM LP	F5XCF6	OM LP	peg.508	OM LP	peg.471	OM LP	peg.945	OM	peg.2141	OM
B2RI06	OM	Q7MT53	OM LP	F5XD62	OM	peg.502	OM	peg.1465	OM LP	peg.946	OM LP	peg.2038	PorSS
B2RL09	OM LP	Q7MU17	OM LP	F5XD67	OM	peg.506	OM LP	peg.1955	OM LP	peg.987	OM	peg.656	PorSS
B2RL10	OM LP	Q7MUN5	OM LP	F5XD66	OM	peg.943	OM LP	peg.326	OM LP	peg.983	OM LP	peg.471	OM LP
B2RJ10	OM	Q7MXK1	OM LP	F5X7N9	PorSS	peg.944	OM LP	peg.424	OM LP	peg.479	PorSS	peg.472	OM LP
B2RJT9	OM	Q7MTZ1	OM	F5X7Y8	OM	peg.1356	PorSS	peg.1256	PorSS	peg.1264	OM LP	peg.473	OM LP
B2RL13	OM	Q7MWB4	OM LP	F5X7Y5	OM LP	peg.376	OM	peg.2049	OM	peg.1263	OM LP	peg.475	OM
B2RKUo	PorSS	Q7MUK3	OM LP	F5X7Y0	PorSS	peg.375	OM LP	peg.426	OM LP	peg.583	OM	peg.1487	OM
B2RIY4	PorSS	Q7MUK2	OM LP	F5XC57	PorSS	peg.875	OM LP	peg.1812	OM	peg.1183	OM LP	peg.1486	PorSS
B2RH57	OM	Q7MX45	OM	G1UBU7	OM LP	peg.1183	OM	peg.1176	PorSS	peg.1738	OM	peg.855	OM LP
B2RH54	OM LP	P95493	PorSS	G1UBU9	OM LP	peg.754	OM LP	peg.1775	PorSS	peg.1131	OM LP	peg.1692	OM
B2RH53	OM	Q7MXJ7	OM	F5X8L7	OM LP	peg.1324	OM LP	peg.1773	OM LP	peg.1741	OM	peg.308	OM
B2RIK7	OM	Q7MW58	PorSS	F5X838	PorSS	peg.1325	OM	peg.1514	OM	peg.1550	OM	peg.975	OM LP
B2RHG7	OM	Q7MTE2	PorSS	F5XAW1	OM	peg.1742	OM LP	peg.1027	OM	peg.1997	OM	peg.974	OM
B2RHG1	OM LP			F5XAW2	OM LP	peg.2047	OM	peg.327	OM LP	peg.2125	OM LP	peg.977	OM
B2RHG3	OM LP			F5XAW4	OM	peg.1922	PorSS	peg.322	OM	peg.664	PorSS	peg.976	OM LP
B2RGT0	OM LP			F5XB18	OM	peg.1201	PorSS			peg.441	OM LP	peg.973	OM
B2RHG8	OM LP			G1UBU3	OM	peg.625	OM			peg.1079	OM LP	peg.978	OM LP
B2RLU2	OM			F5XB86	PorSS	peg.1326	OM			peg.1077	OM	peg.2042	OM
B2RLU1	PorSS			F5X7E6	PorSS	peg.1322	OM			peg.1203	OM LP	peg.661	OM
B2RLU4	OM LP			F5XB47	OM LP	peg.1323	OM LP			peg.1202	OM	peg.217	OM
				F5X7P5	OM LP					peg.1206	OM	peg.925	OM
				F5X7P3	OM LP					peg.1205	OM	peg.1518	OM LP
				F5X9G5	OM LP					peg.2014	PorSS	peg.311	OM LP
				F5X9G6	OM LP					peg.1328	OM	peg.313	OM LP
				F5X7B8	OM					peg.1022	OM LP	peg.968	OM LP
												peg.1413	PorSS





**Figure S1.** Biological pathways represented by the *P. gingivalis* variable exoproteome. The REVIGO treemaps represent the outcomes of GO term analyses of the cellular pathways in which the variable exoproteomes of different *P. gingivalis* strains are involved: **A)** MDS140; **B)** W83; **C)** TDC60, MDS33, 512915; **D)** ATCC 33277, 20655.

# **Appendix II**

## **Supplementary materials of Chapter 5**

## Supplementary materials

### **There's no place like OM: vesicular sorting and secretion of the peptidylarginine deiminase of *Porphyromonas gingivalis***

Giorgio Gabarrini<sup>1,2</sup>, Laura M. Palma Medina<sup>2</sup>, Tim Stobernack<sup>2</sup>, Rianne C. Prins<sup>2</sup>, Marines du Teil Espina<sup>2</sup>, Jeroen Kuipers<sup>3</sup>, Monika A. Chlebowicz<sup>2</sup>, John W.A. Rossen<sup>2</sup>, Arie Jan van Winkelhoff<sup>1,2</sup>, and Jan Maarten van Dijk<sup>2\*</sup>

<sup>1</sup>Center for Dentistry and Oral Hygiene, University of Groningen, University Medical Center Groningen, Antonius Deusinglaan 1, 9713 AV, Groningen, the Netherlands

<sup>2</sup>Department of Medical Microbiology, University of Groningen, University Medical Center Groningen, Hanzeplein 1, P.O. box 30001, 9700 RB Groningen, the Netherlands

<sup>3</sup>Department of Cell Biology, University of Groningen, University Medical Center Groningen, Antonius Deusinglaan 1, 9713 AV Groningen, the Netherlands

**Table S1.** Panel of the bacterial isolates analyzed, including original disease, severity of periodontitis (PD) and general health condition of the host.

<b>Sample</b>	<b>Species</b>	<b>Sample origin</b>	<b>Severity of PD</b>	<b>General health</b>
<b>505700</b>	<i>P. gingivalis</i>	periodontitis	unknown	arthritis
<b>505777</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>505774</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>505781</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>505764</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>505759</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>505768</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>505697</b>	<i>P. gingivalis</i>	peri-implantitis	unknown	no particularities
<b>505788</b>	<i>P. gingivalis</i>	periodontitis	unknown	hypertension
<b>505655</b>	<i>P. gingivalis</i>	periodontitis	unknown	arthritis
<b>512946</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>512899</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>512900</b>	<i>P. gingivalis</i>	periodontitis	unknown	thyroid disease
<b>512915</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>512919</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>512965</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513125</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>512967</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>512974</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>512985</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513027</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513033</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513054</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513387</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513324</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513163</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>513119</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513126</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513130</b>	<i>P. gingivalis</i>	periodontitis	unknown	thyroid disease
<b>513131</b>	<i>P. gingivalis</i>	gingivitis	unknown	unknown
<b>513133</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513141</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown

<b>513143</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>512943</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>512945</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>512947</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>512948</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>512949</b>	<i>P. gingivalis</i>	periodontitis	unknown	hypertension
<b>512951</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>512953</b>	<i>P. gingivalis</i>	periodontitis	unknown	psychiatric
<b>512898</b>	<i>P. gingivalis</i>	periodontitis	unknown	psychiatric
<b>512963</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>512980</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>512983</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>512990</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>512040</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>513042</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513044</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>513050</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513051</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513393</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>513391</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513333</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>513321</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513314</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513308</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>515307</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>513298</b>	<i>P. gingivalis</i>	periodontitis	unknown	hypertension
<b>515407</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>515403</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>515382</b>	<i>P. gingivalis</i>	periodontitis	unknown	no particularities
<b>515380</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>515379</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>515371</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>515370</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>515368</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>515420</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown

<b>515430</b>	<i>P. gingivalis</i>	periodontitis	unknown	unknown
<b>MDS 140</b>	<i>P. gingivalis</i>	Healthy control	/	unknown
<b>MDS 153a</b>	<i>P. intermedia</i>	Healthy control	/	unknown
<b>MDS 153b</b>	<i>F. nucleatum</i>	Healthy control	/	unknown
<b>MDS 9</b>	<i>P. gingivalis</i>	periodontitis	severe	RA
<b>MDS 33</b>	<i>P. gingivalis</i>	periodontitis	severe	RA
<b>MDS 36</b>	<i>P. gingivalis</i>	periodontitis	unknown	Psoriatic arthritis
<b>MDS 45</b>	<i>P. gingivalis</i>	periodontitis	severe	RA
<b>MDS 77</b>	<i>P. gingivalis</i>	periodontitis	severe	RA
<b>MDS 83</b>	<i>P. gingivalis</i>	periodontitis	severe	RA
<b>MDS 85</b>	<i>P. gingivalis</i>	periodontitis	severe	RA
<b>MDS 11</b>	<i>P. gingivalis</i>	periodontitis	moderate	RA
<b>MDS 16</b>	<i>P. gingivalis</i>	periodontitis	moderate	RA
<b>MDS 56</b>	<i>P. gingivalis</i>	periodontitis	moderate	no RA
<b>MDS 114</b>	<i>P. gingivalis</i>	periodontitis	severe	no RA
<b>20653</b>	<i>P. gingivalis</i>	periodontitis	severe	no RA
<b>20654</b>	<i>P. gingivalis</i>	periodontitis	severe	no RA
<b>20655</b>	<i>P. gingivalis</i>	periodontitis	severe	no RA
<b>20656</b>	<i>P. gingivalis</i>	periodontitis	severe	no RA
<b>20658</b>	<i>P. gingivalis</i>	periodontitis	severe	no RA
<b>20659</b>	<i>P. gingivalis</i>	periodontitis	severe/aggressive	no RA
<b>20660</b>	<i>P. gingivalis</i>	periodontitis	severe	no RA
<b>20662</b>	<i>P. gingivalis</i>	periodontitis	severe	no RA
<b>20663</b>	<i>P. gingivalis</i>	periodontitis	severe	no RA
<b>20664</b>	<i>P. gingivalis</i>	periodontitis	severe/aggressive	no RA
<b>20665</b>	<i>P. gingivalis</i>	periodontitis	severe/aggressive	no RA
<b>W83</b>	<i>P. gingivalis</i>	reference strain	/	/
<b>W83 ΔPAD-A</b>	<i>P. gingivalis</i>	PPAD mutant	/	/
<b>W83 PAD+A</b>	<i>P. gingivalis</i>	mutant control	/	/
<b>ATCC33277</b>	<i>P. gingivalis</i>	reference strain	/	/
<b>ATCC33277 3ΔPAD-B</b>	<i>P. gingivalis</i>	PPAD mutant	/	/
<b>ATCC33277 3PAD+A</b>	<i>P. gingivalis</i>	mutant control	/	/

**Table S2.** List of primers used in the cloning procedures.

<b>Primer name</b>	<b>Primer sequence</b>
<b>P1LF</b>	5' - ATATATAGATCTCAAACGCAAATGCAAGCAGAC - 3'
<b>P1LR</b>	5' - ATATATGCGGCCGCTTTGAGAATTTTCATTGTCTCACGG - 3'
<b>P1F</b>	5' - GGGCATATGCAGGAGAATACTGTACCG - 3'
<b>P1R</b>	5' - GGGCTCGAGCTTGGAGCGAACGATTACAAC - 3'
<b>P2F</b>	5' - ATAACGGCCGTGATGACAGATCATGGCGACTTG - 3'
<b>P2R</b>	5' - GGGCTCGAGCGTACATCGTTTGCAG - 3'
<b>P3F</b>	5' - ATAACGGCCGTGATGGTAGCCAAAAAGTATGAGGGAG - 3'
<b>P3R</b>	5' - GGGCTCGAGATCGCTGACTGACAGAAG - 3'

**Table S3.** List of all the buffers used in the cloning procedures and preparation of samples for the transmission electron microscopy (TEM) analysis.

	<b>Buffer name</b>	<b>Composition</b>
<b>Cloning procedure</b>	Binding buffer	6 M Urea, 0.1 M HEPES, 0.25 M NaCl
	Wash buffer	6 M Urea, 0.1 M HEPES, 0.25 M NaCl, 10 mM imidazole
	Elution buffer 1	6 M Urea, 0.1 M HEPES, 0.25 M NaCl, 200 mM imidazole
	Elution buffer 2	6 M Urea, 0.1 M HEPES, 0.25 M NaCl, 400 mM imidazole
	Immunization buffer	4.5 M Urea, 0.1 M HEPES pH 7.5, 0.2 M NaCl, 150 mM imidazole
<b>TEM analysis</b>	Pre-fixative	75 mM L-lysine, 0.075% ruthenium red, 2% paraformaldehyde, and 2.5% glutaraldehyde in 0.1 M sodium cacodylate buffer
	Fixative	0.075% ruthenium red, 2% paraformaldehyde, and 2.5% glutaraldehyde in 0.1 M sodium cacodylate buffer
	Post-fixative	1% osmium tetroxide/1,5% potassium ferrocyanide in 0.1 M cacodylate buffer



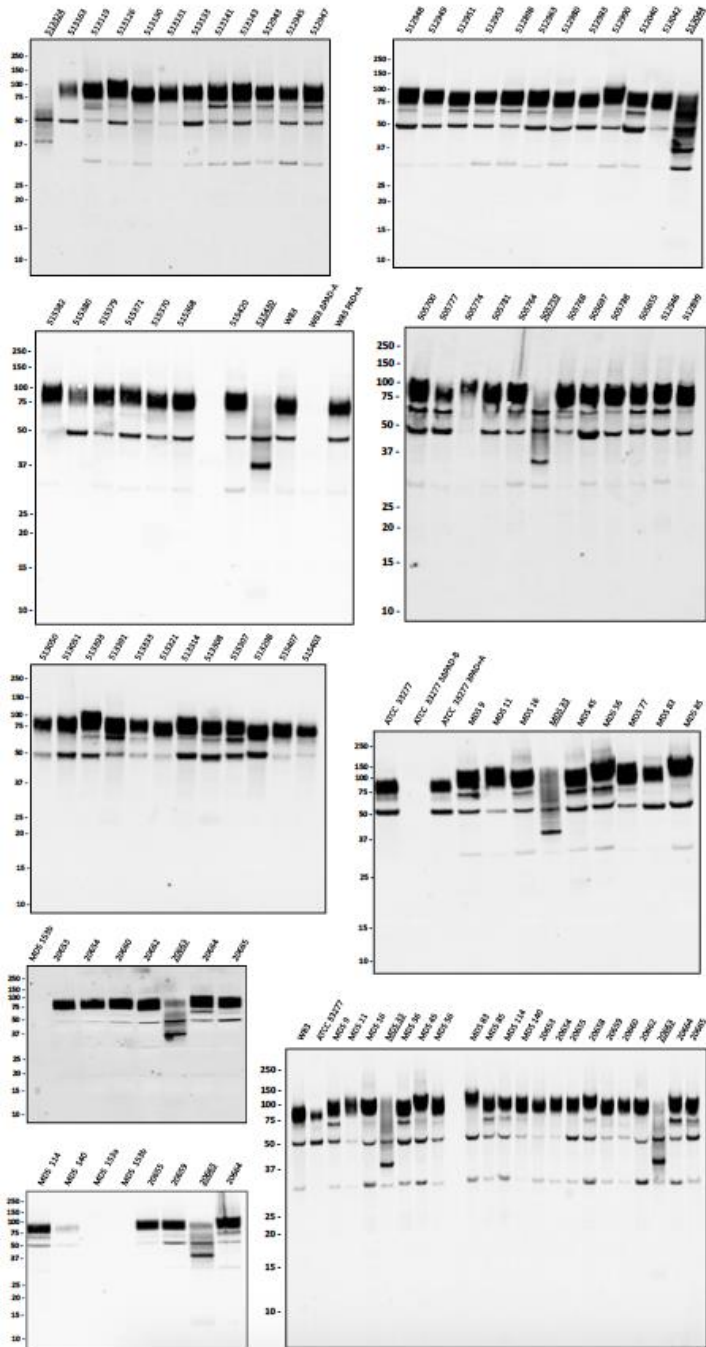
**Table S4.** List of all the published sequences and genomes of the *P. gingivalis* strains used in the mutation analysis and relative NCBI accession codes.

<b>Name</b>	<b>Strain type</b>	<b>Sorting status</b>	<b>NCBI accession code</b>
<b>W83</b>	Reference	known (type I)	NC_002950
<b>ATCC33277</b>	Reference	known (type I)	NC_010729
<b>TDC60</b>	Reference	unknown	NC_015571
<b>W50</b>	Reference	unknown	NZ_AJZS00000000
<b>AJW4</b>	Isolate	unknown	NZ_CP011996
<b>F0569</b>	Isolate	unknown	NZ_AWUV00000000
<b>W4087</b>	Isolate	unknown	NZ_AWVE00000000
<b>F0566</b>	Isolate	unknown	NZ_AWVD00000000
<b>381</b>	Isolate	unknown	NZ_CP012889
<b>F0185</b>	Isolate	unknown	NZ_AWVC00000000
<b>JCVI_SC001</b>	Isolate	unknown	APMB01000002
<b>A7A1-28</b>	Isolate	unknown	NZ_CP013131
<b>F0570</b>	Isolate	unknown	NZ_AWUW00000000
<b>F0568</b>	Isolate	unknown	NZ_AWUU00000000
<b>SJD2</b>	Isolate	unknown	NZ_ASYL00000000
<b>20655</b>	Clinical Isolate	known (type I)	KP862656
<b>MDS 85</b>	Clinical Isolate	known (type I)	KP862655
<b>MDS 56</b>	Clinical Isolate	known (type I)	KP862654
<b>MDS 45</b>	Clinical Isolate	known (type I)	KP862653
<b>MDS 16</b>	Clinical Isolate	known (type I)	KP862652
<b>MDS 140</b>	Isolate from healthy carrier	known (type I)	KP862651
<b>20658</b>	Clinical Isolate	known (type I)	KP862650

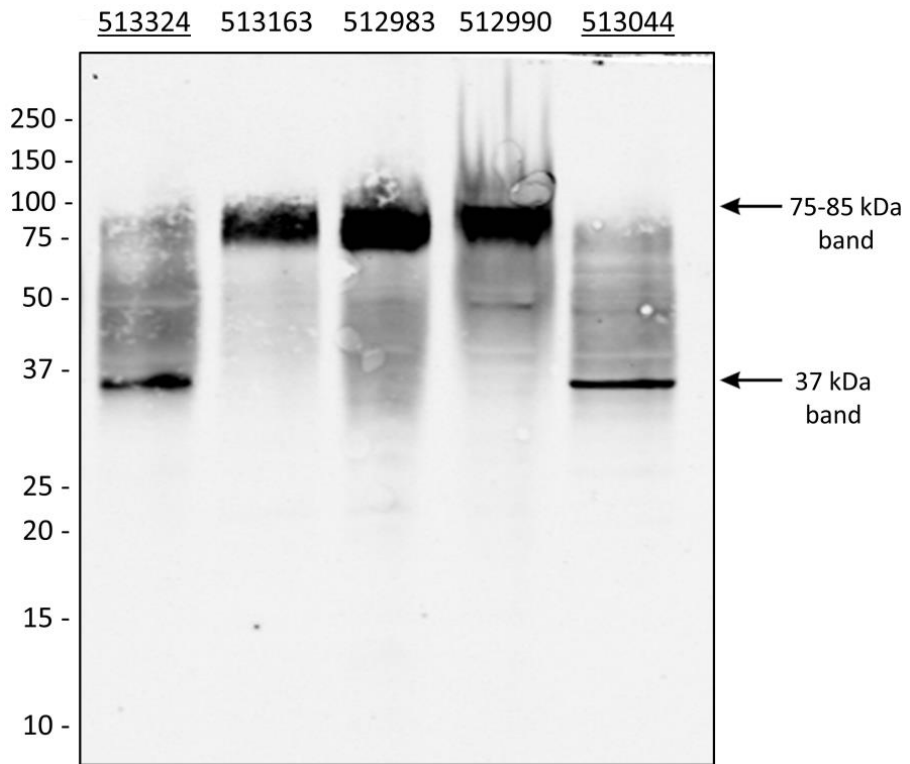
**Table S5.** Amino acid substitutions in the PPAD sequence of *P. gingivalis* sorting type II isolates, reference strains of known and unknown sorting status, previously sequenced clinical isolates<sup>1</sup> (sorting type I), and published genomes with unknown PPAD sorting status. Highlighted is the Q373K substitution that is strictly associated with the sorting type II phenotype.

Sample	Substitutions						
Sorting type II isolates	512919	M77K P153H	S191F S203P		N291D V335I	Q373K	
	513324		S191F		N291D	Q373K	
	515430		S191F		N291D	Q373K	
	20663		S191F		N291D	Q373K	
	512915		S203P		N291D V335I	Q373K	
	513044		S203P		N291D V335I	Q373K	
	505759				N291D	Q373K	A410T
	513125		S203P		N291D	Q373K	A410T
	MDS 33	T25M	S203P G231N E232T N235D			Q373K	A515V S528G
Reference	W83						
	ATCC 33277						
	W50						
	TDC60				N291D		T425A
Clinical isolates	MDS 16				N291D V335I		
	MDS 45						
	MDS 140		S191F		T275I N291D		
	20658		S203P		N291D		
	20655	E159D	S203P G231N E232T N235D				
	MDS 56						A410T
	MDS 85		S191F S203P		V335I A357V		
	AJW4		S203P G231N E232T N235D		N291D		
Published genomes	F0569						
	W4087						
	F0566						
	381						
	F0185		S191F		N291D		A515V
	JCVI_SC001		S203P G231N E232T N235D		N291D		A515V
	A7A1-28		G231N E232T N235D T275P				
	F0570		G231N E232T N235D				
	F0568		S203P G231N E232T N235D				
	SJD2		G231N E232T N235D				

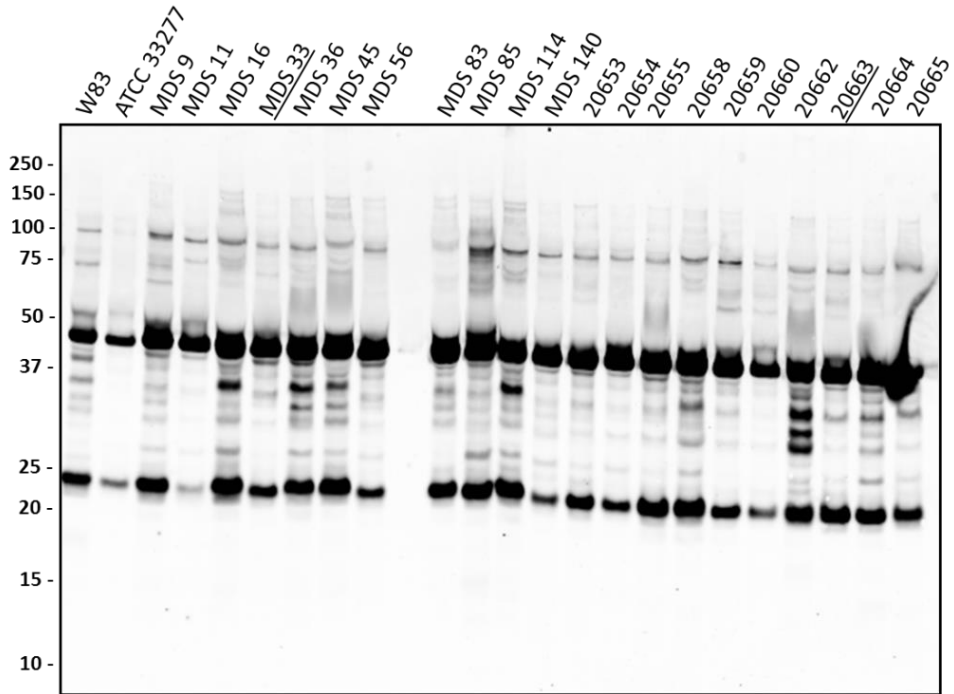
<sup>1</sup>Gabarrini, G. *et al.* The peptidylarginine deiminase gene is a conserved feature of *Porphyromonas gingivalis*. *Sci. Rep.* **5**, 13936 (2015).



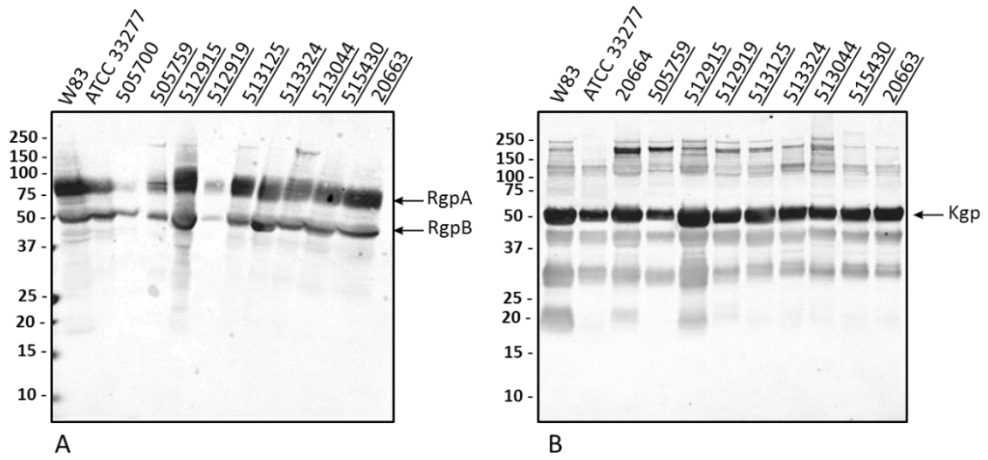
**Figure S1.** Western blot analysis of the presence of PPAD in growth medium samples from *P. gingivalis* reference strains, PPAD mutants, and sorting type I and II isolates (names of the latter underlined).



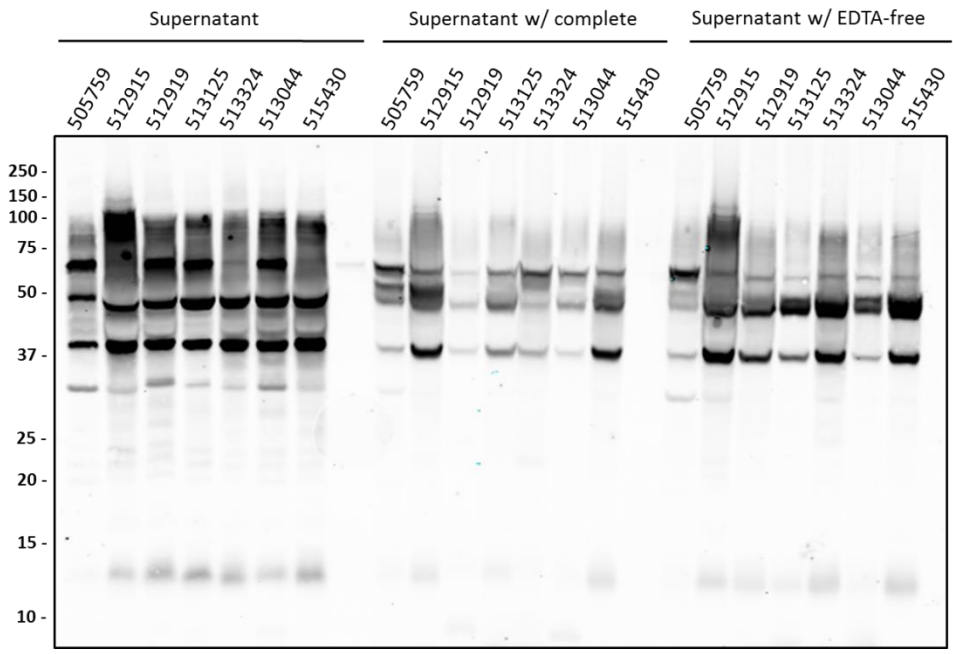
**Figure S2.** Western blot analysis of PPAD presence in the cell fractions of sorting type I and II isolates (names of the latter are underlined).



**Figure S3.** Western blot analysis of the presence of Omp41 in growth medium samples of *P. gingivalis* reference strains, and sorting type I and II isolates (names of the latter are underlined).



**Figure S4.** Western blot analysis of the presence of (A) RgpA/B and (B) Kgp in growth medium samples of *P. gingivalis* reference strains, and sorting type I and II isolates (names of the latter are underlined). Band intensities are proportional to the protein content in each sample.



**Figure S5.** Western blot analysis of growth medium (supernatant) samples of *P. gingivalis* sorting type II isolates with or without exposure to different protease inhibitors as indicated.

# **Appendix III**

## **Supplementary materials of Chapter 6**



## Supplementary Materials

### Conserved citrullinating exo-enzymes in *Porphyromonas* species

Giorgio Gabarrini<sup>1,2</sup>, Monika A. Chlebowicz<sup>2</sup>, M. Eloisa Vega Quiroz<sup>2</sup>, Alida C. M. Veloo<sup>2</sup>, John W. A. Rossen<sup>2</sup>, Hermie J. M. Harmsen<sup>2</sup>, Marja L. Laine<sup>3</sup>, Jan Maarten van Dijk<sup>2,\*</sup>, and Arie Jan van Winkelhoff<sup>1,2,\*</sup>

<sup>1</sup>Center for Dentistry and Oral Hygiene, University of Groningen, University Medical Center Groningen, Antonius Deusinglaan 1, 9713 AV, Groningen, the Netherlands.

<sup>2</sup>Department of Medical Microbiology, University of Groningen, University Medical Center Groningen, Hanzeplein 1, P.O. box 30001, 9700 RB Groningen, the Netherlands.

<sup>3</sup>Department of Periodontology, Academic Centre for Dentistry Amsterdam (ACTA), University of Amsterdam and VU University, Amsterdam, the Netherlands.

\*Both authors contributed equally to this work

## Supplementary Methods

### LDS-PAGE and Western blotting

Cells and growth medium fractions were separated by centrifugation of the bacterial cultures. Proteins in the growth medium were concentrated by precipitation with 10% trichloroacetic acid (TCA), and separated by lithium dodecyl sulphate (LDS) polyacrylamide gel electrophoresis (PAGE)<sup>1</sup>. Subsequently, proteins were transferred by Western blotting to an Amersham™ Protran® 0.45 µm nitrocellulose membrane (GE Healthcare Life Sciences, Little Chalfont, Buckinghamshire, UK) by semi-dry blotting (75 min, 200 mA). The membrane was incubated overnight in a 5% skim milk blocking solution in phosphate-buffered saline (PBS), washed once in PBS-Tween20 (PBS-T), and incubated for 1 h with polyclonal PPAD-specific (GP2448), or Kgp-specific, or RgpA/B-specific rabbit antibodies (1:10000 dilution) in PBS-T. After having been washed four times for 5 min with PBS-T, the membrane was incubated for 45 min with an IRDye 800CW-labeled goat anti-rabbit secondary antibody (LI-COR Biosciences, Lincoln, NE, USA) in a 1:10000 dilution. Lastly, the membrane was washed again four times in PBS-T and twice in PBS, prior to scanning with an Odyssey Infrared Imaging System (LI-COR Biosciences).

### Whole genome sequencing and phylogenetic analysis

Total DNA was extracted from the 11 isolates using the Ultraclean Microbial DNA Isolation Kit (MO BIO Laboratories, Carlsbad, CA, US) following the manufacturer's instructions. DNA concentration and purity were checked with a Qubit® 2.0 Fluorometer, using the dsDNA HS and/or BR assay kit (Life technologies, Carlsbad, CA, US). The DNA library was prepared using the Nextera XT kit (Illumina, San Diego, CA, US) according to the manufacturer's instructions, then run on a Miseq (Illumina) for generating paired-end 300 bp reads. The sequence reads were submitted to the European Nucleotide Archive under the following project: PRJEB21305 with following accession numbers: ERS1790728 (Jaguar-1); ERS1790727 (I-433); ERS1790726 (I-372); ERS1790725 (G251); ERS1790724 (Chien5B); ERS1790723 (Chat2); ERS1790722 (3492); ERS1790721 (19X2-K1); ERS1790720 (157); ERS1827527 (TT1); ERS1825597 (TG1). *De novo* sequence assembly was performed with CLC Genomes Workbench v9.5.3 (Qiagen, Hilden, Germany) after quality trimming (Qs ≥ 20) with optimal word size. Next, the *de novo*

assembled genomes were queried against DNA sequences of specific features previously identified, or compared to the complete *P. gingivalis* reference genome ATCC 3277 with associated annotated genes. Genomic comparisons were performed by using blastN in the WebACT comparison tool<sup>2</sup>. Subsequently, the output files were used for detailed analyses with Artemis Comparison Tool (ACT)<sup>3</sup>. Similarity matches were filtered based on their length (100 kb segments) and percentage similarity scores, and only the filtered hits with at least 80% sequence similarity were displayed by ACT (e-value of 10.00000) and analyzed in detail. Specifically, the genomes were screened for the presence of PPAD-encoding genes, glutamate dehydrogenase genes (*gdh*), and 16S rRNA genes. Deduced amino acid sequences of identified PPAD genes were aligned with each other using clustalW<sup>4</sup>. The alignment obtained was subsequently exported and uploaded in BioEdit<sup>5</sup> for further analyses. DNA sequences of corresponding 16S rRNA genes were extracted from every sequenced isolate and used in the 16S rRNA comparisons together with all representatives of *Porphyromonas* species described by<sup>6</sup>. The same approach was used to extract DNA sequences for the comparison of *gdh* genes, which was used to verify the results of the 16S rRNA comparisons.

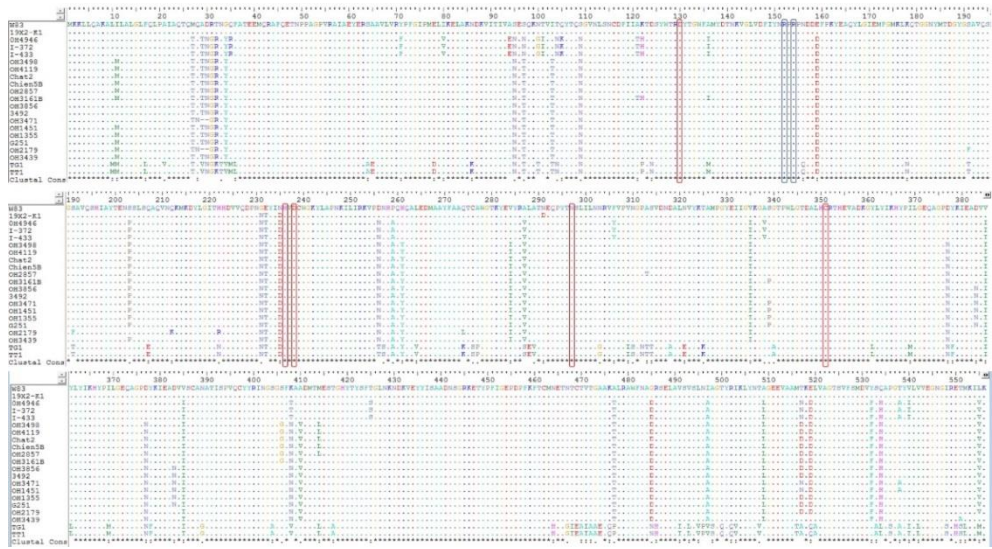
### **Aqueous two-phase system protein purification**

To explore the possible association of PPAD-like proteins with OMVs via a LPS modification, a protein phase separation was performed using the non-ionic detergent Triton X-114 (Sigma-Aldrich Co.) essentially as described by<sup>7</sup>. For this, a total of 2.5 OD<sub>600</sub> units of bacterial culture was centrifuged at 16100 x *g* and 4°C for 10 min. Subsequently, 100 µL of Triton X-114 were added to the supernatant fraction prior to brief vortexing and 20 min of incubation at 4°C, to allow phase separation to occur. For a better visualization of the two separated phases, bromophenol blue (Bio-Rad Laboratories, Richmond, CA, USA) was added. The samples were then centrifuged at 16100 x *g*, 4°C for 5 min and the resulting supernatant was overlaid on 200 µL of a cushion of 6% (w/v) sucrose (Boom B.V.) consisting of 10 mM Tris-HCl, pH 7.4, 150 mM NaCl, and 0.06% Triton X-114 to provide a better separation between the aqueous and detergent-rich phases. Afterward, the samples were heated at 37°C for 20 min and the two phases were collected prior to centrifugation at 400 x *g* for 3 min. To minimize phase contamination, only 800 µL were taken from the aqueous phase (containing the hydrophilic

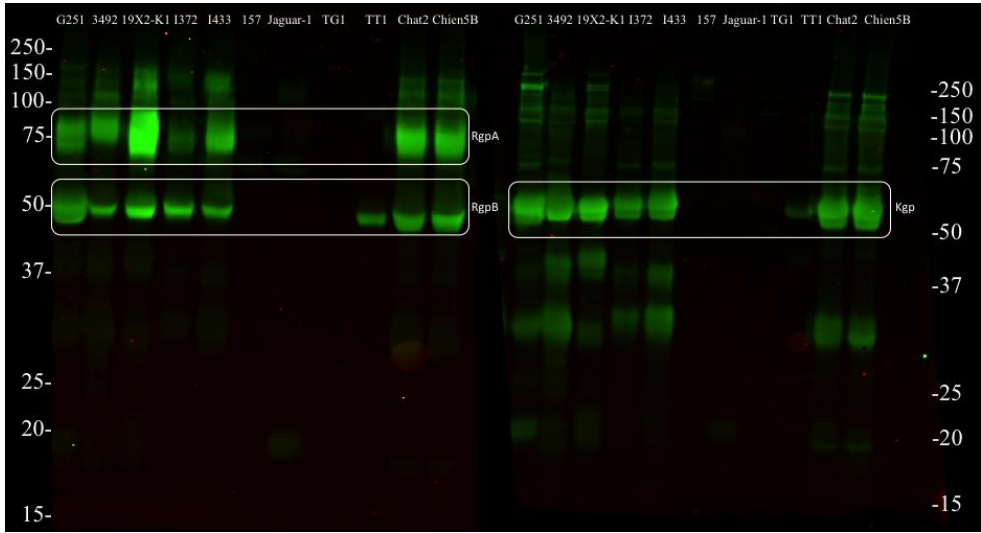
proteins) and only 90  $\mu\text{L}$  from the detergent phase (rich in hydrophobic OMV-bound proteins). The remaining phases were re-extracted, the aqueous phase with 90  $\mu\text{L}$  of Triton X-114 and the detergent phase with 800  $\mu\text{L}$  of TEPI buffer (i.e. TE buffer [Sigma-Aldrich Co.] supplemented with 1 tablet of the cOmplete™ Mini Protease Inhibitor Cocktail [Roche Diagnostics GmbH, Mannheim, Germany] per 10 mL). Afterward, TCA was added to the samples to a final concentration of 10% and after brief vortexing the samples were kept on ice for 30 min. Subsequently, the samples were centrifuged at 16100  $\times g$  4°C for 10 min and the supernatant was discarded. The pellet was instead washed with 500  $\mu\text{L}$  of ice-cold acetone twice, with two rounds of 16100  $\times g$  centrifugation for 2 min. Lastly, the pellet was dried at 60°C for 10 min before LDS-PAGE analysis<sup>1</sup>.

**Table S1.** *Panel of isolates.* Panel of bacterial isolates used in this study, including isolate type, country of origin and results of 16S analysis.

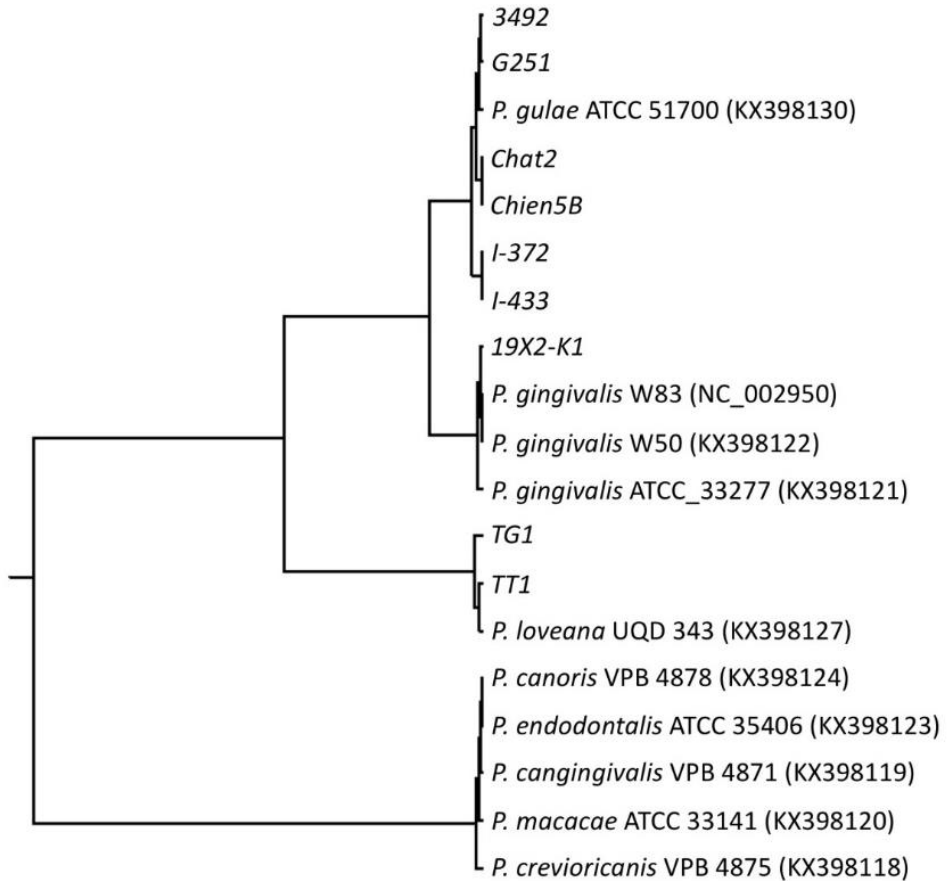
<b>Isolate</b>	<b>Origin</b>	<b>Country of origin</b>	<b>16S identification</b>
G-251	Monkey isolate	Gainesville, Florida, USA	<i>Porphyromonas gulae</i>
TG 1	Sheep isolate	Dunedin, New Zealand	<i>Porphyromonas loveana</i>
Jaguar 1	Jaguar isolate	/	<i>Porphyromonas circumdentaria</i>
TT 1	Sheep isolate	Dunedin, New Zealand	<i>Porphyromonas loveana</i>
Chien 5B	Dog isolate	Quebec City, Canada	<i>Porphyromonas gulae</i>
157	Cat isolate	Australia	<i>Porphyromonas salivosa</i>
Chat 2	Cat isolate	Quebec City, Canada	<i>Porphyromonas gulae</i>
3492	Cat isolate	Australia	<i>Porphyromonas gulae</i>
19X2-K1	Monkey isolate	Buffalo, NY, USA	<i>Porphyromonas gingivalis</i>
I-433	Monkey isolate	Gainesville, Florida, USA	<i>Porphyromonas gulae</i>
I-372	Monkey isolate	Gainesville, Florida, USA	<i>Porphyromonas gulae</i>
W83	Reference strain	/	/
W83 $\Delta$ PPAD-A	PPAD mutant	/	/
ATCC 33277	Reference strain	/	/
ATCC 33277 $\Delta$ PPAD-B	PPAD mutant	/	/
20664	Human clinical isolate	Groningen, Netherlands	/



**Figure S1.** Alignment of PPAD homologues. Amino acid sequences of PPAD homologues were deduced from the nucleotide sequences of *Porphyromonas* species from non-human hosts. Next, these sequences were compared with PPAD of the *P. gingivalis* type strain W83 using the BioEdit program. The red boxes mark the strict conservation of the catalytic residues, while the blue boxes mark the conserved residues implicated in substrate specificity.

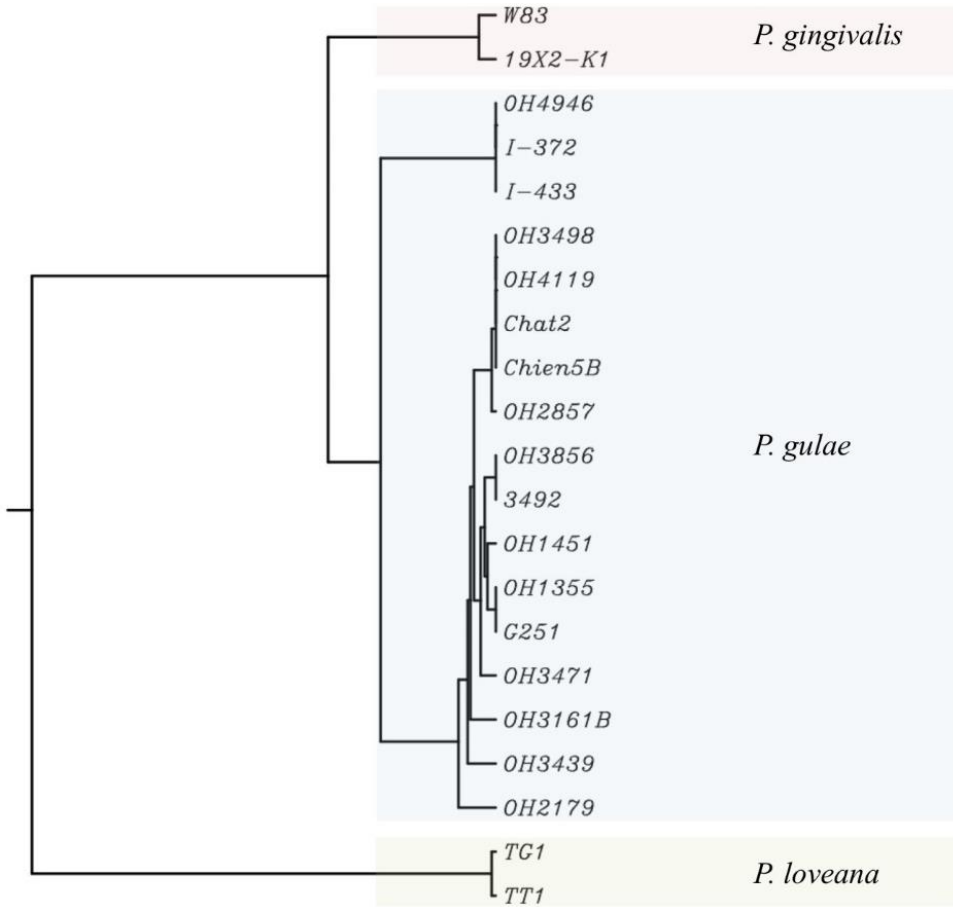


**Figure S2.** Detection of secreted gingipains in *Porphyromonas* isolates. Western blotting analysis of the presence of gingipains (RgpA, RgpB, Kgp) in spent growth media of the different investigated *Porphyromonas* isolates. All 3 gingipains are absent only from isolates 157, Jaguar-1, and TG1. RgpA is absent only from isolate TT1. Bands corresponding to RgpA, RgpB or Kgp are marked.



**Figure S3.** Verification of the *Porphyromonas* phylogeny based on the *gdh* gene. A neighbor-joining phylogenetic tree based on the alignment of *gdh* genes was generated with ClustalW. Previously sequenced reference strains of different *Porphyromonas* species were included in the analysis and the respective access codes are indicated.





**Figure S4.** *Phylogeny of PPAD homologues.* A neighbor-joining phylogenetic tree based on the alignment of different newly identified PPAD homologues and the PPAD amino acid sequence of *P. gingivalis* reference strain W83 was created with ClustalW.

## Supplementary bibliography

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7. Bordier, C. Phase separation of integral membrane proteins in Triton X-114 solution. *J. Biol. Chem.* **256**, 1604-1607 (1981).



# **Appendix IV**

## **Supplementary materials of Chapter 7**

## Supplementary materials

### **Dropping anchor: attachment of peptidylarginine deiminase *via* A-LPS to secreted outer membrane vesicles of *Porphyromonas gingivalis***

Giorgio Gabarrini<sup>1,2</sup>, Rick Heida<sup>2</sup>, Nienke van Ieperen<sup>2</sup>, Mike A. Curtis<sup>3</sup>, Arie Jan van Winkelhoff<sup>1,2</sup>, and Jan Maarten van Dijk<sup>2#</sup>

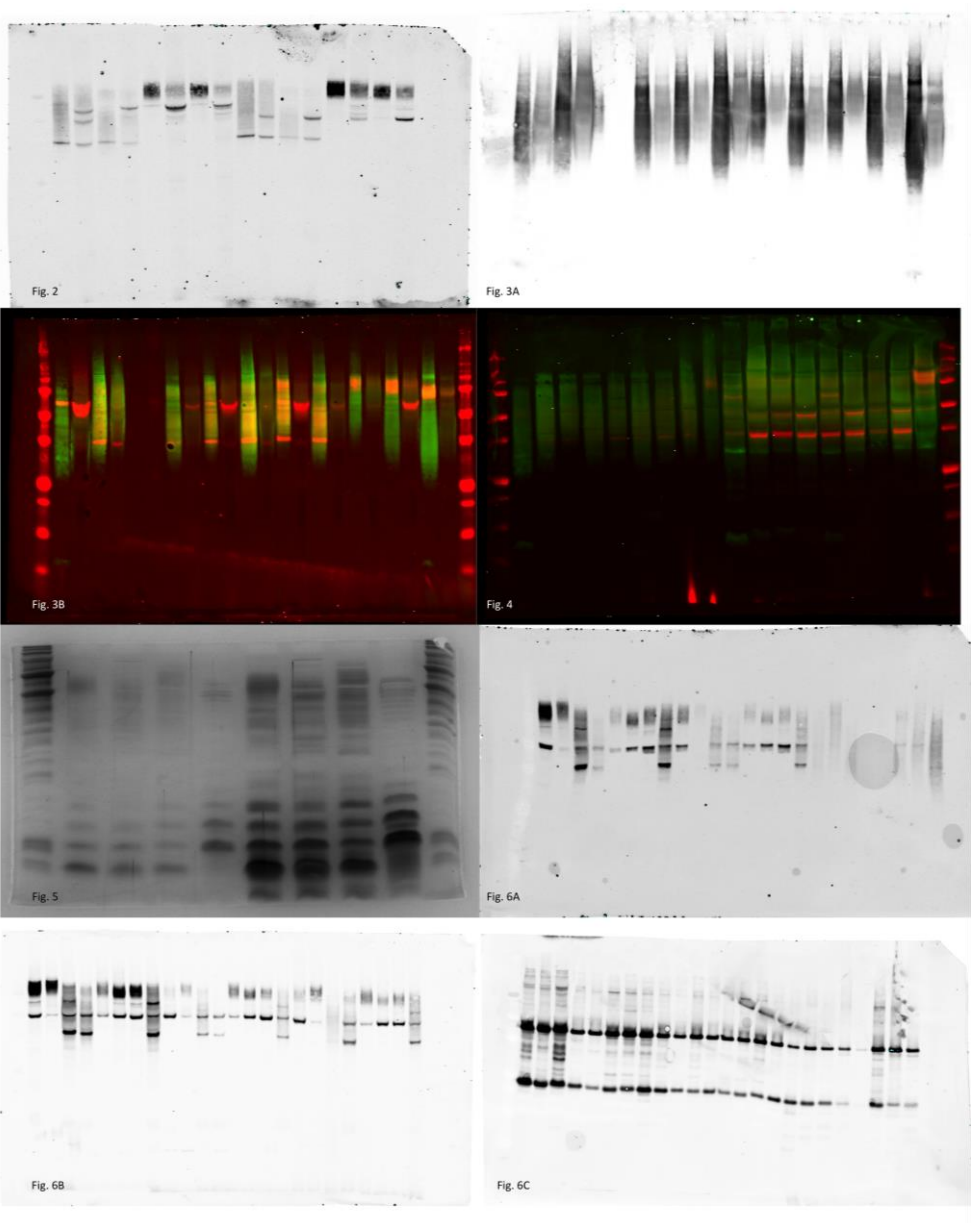
<sup>1</sup>University of Groningen, University Medical Center Groningen, Center for Dentistry and Oral Hygiene, Antonius Deusinglaan 1, 9713 AV, Groningen, the Netherlands

<sup>2</sup>University of Groningen, University Medical Center Groningen, Department of Medical Microbiology, Hanzeplein 1, P.O. box 30001, 9700 RB, Groningen, the Netherlands

<sup>3</sup>Dental Institute, King's College London, Guy's Hospital Tower Wing, SE1 9RT, London, United Kingdom

**Table S1.** Panel of isolates. Panel of bacterial isolates used in this study, including species, type of strain and sorting status.

<b>Sample</b>	<b>Species</b>	<b>Strain type</b>	<b>Sorting status</b>
<b>W83</b>	<i>P. gingivalis</i>	Reference	Type I
<b>ATCC 33277</b>	<i>P. gingivalis</i>	Reference	Type I
<b>20664</b>	<i>P. gingivalis</i>	Clinical isolate	Type I
<b>20665</b>	<i>P. gingivalis</i>	Clinical isolate	Type I
<b>505700</b>	<i>P. gingivalis</i>	Clinical isolate	Type I
<b>505774</b>	<i>P. gingivalis</i>	Clinical isolate	Type I
<b>513163</b>	<i>P. gingivalis</i>	Clinical isolate	Type I
<b>512983</b>	<i>P. gingivalis</i>	Clinical isolate	Type I
<b>512990</b>	<i>P. gingivalis</i>	Clinical isolate	Type I
<b>20663</b>	<i>P. gingivalis</i>	Clinical isolate	Type II
<b>MDS33</b>	<i>P. gingivalis</i>	Clinical isolate	Type II
<b>505759</b>	<i>P. gingivalis</i>	Clinical isolate	Type II
<b>512915</b>	<i>P. gingivalis</i>	Clinical isolate	Type II
<b>512919</b>	<i>P. gingivalis</i>	Clinical isolate	Type II
<b>513125</b>	<i>P. gingivalis</i>	Clinical isolate	Type II
<b>513324</b>	<i>P. gingivalis</i>	Clinical isolate	Type II
<b>513044</b>	<i>P. gingivalis</i>	Clinical isolate	Type II
<b>515430</b>	<i>P. gingivalis</i>	Clinical isolate	Type II
<b>EC001</b>	<i>E. coli</i>	Clinical isolate	/



**Figure S1.** *Collection of original images.* Panel of the original versions of Figures 2, 3A and 3B, 4, 5, 6A, 6B, and 6C. The figures in the manuscript have been cropped and the order of the samples, when needed, has been reorganized for clarity and ease of presentation.