

CHR	SNP	POS	GENE	DISTANCE	BAND	A1/A2	A1	OR	P
3	rs1466846	178815700	TBL1XR1	417958 base downstream	q26.32	AG	0.285	0.738	1.98E-06
5	rs924134	2521375	IRX2	278504 base upstream	p15.33	AC	0.3736	0.776	6.12E-06
5	rs6555113	2525928	IRX2	273951 base upstream	p15.33	AT	0.639	1.296	6.32E-06
5	rs3104229	2526843	IRX2	273036 base upstream	p15.33	CG	0.6177	1.279	7.23E-06
5	rs6880842	2522415	IRX2	277464 base upstream	p15.33	AG	0.6181	1.277	7.36E-06
2	rs6548036	30860228	CAPN13	intron 21	p23.1	CG	0.3395	1.303	7.37E-06
5	rs3112426	2534088	IRX2	265791 base upstream	p15.33	AC	0.6161	1.282	8.03E-06
8	rs1457463	135168960	ZNF406	390253 base upstream	q24.22	AG	0.5398	0.793	8.45E-06
5	rs1992827	2541341	IRX2	258538 base upstream	p15.33	CT	0.3844	0.781	8.70E-06
3	rs9825151	178817943	TBL1XR1	420201 base downstream	q26.32	CT	0.6024	1.266	9.37E-06
3	rs11130703	59333230	FLJ42117	322475 base downstream	p14.2	CT	0.3125	1.281	9.37E-06
2	rs1568403	30854671	CAPN13	intron 21	p23.1	AG	0.3284	1.277	9.64E-06
2	rs17010264	30855109	CAPN13	intron 21	p23.1	CG	0.6703	0.784	9.70E-06
2	rs4952181	30855725	CAPN13	intron 21	p23.1	AT	0.6702	0.784	9.82E-06
13	rs17067344	45344451	LOC283514	20604 base downstream	q14.12	CT	0.044	0.553	1.01E-05
9	rs4877830	86066135	SLC28A3	16776 base upstream	q21.32	GT	0.0879	1.486	1.09E-05
13	rs17067329	45341521	LOC283514	17674 base downstream	q14.12	AT	0.0443	0.553	1.09E-05
13	rs7982931	45343013	LOC283514	19166 base downstream	q14.12	CT	0.9564	1.794	1.09E-05
13	rs4942456	45339590	LOC283514	15743 base downstream	q14.12	AG	0.0444	0.552	1.09E-05
13	rs7998666	45341888	LOC283514	18041 base downstream	q14.12	GT	0.9561	1.8	1.09E-05
13	rs4941534	45339540	LOC283514	15693 base downstream	q14.12	AT	0.0445	0.552	1.09E-05
2	rs2030385	30858633	CAPN13	intron 21	p23.1	CT	0.3294	1.273	1.17E-05
2	rs6710242	30859637	CAPN13	intron 21	p23.1	CT	0.6688	0.779	1.18E-05
6	rs1338341	94830027	EPHA7	644034 base downstream	q16.1	AG	0.6732	0.785	1.18E-05
6	rs1538283	94824189	EPHA7	638196 base downstream	q16.1	AG	0.6732	0.785	1.18E-05
13	rs7983269	45343085	LOC283514	19238 base downstream	q14.12	AG	0.0436	0.559	1.19E-05
6	rs9354082	94830432	EPHA7	644439 base downstream	q16.1	CT	0.6732	0.786	1.21E-05
3	rs9880740	178817999	TBL1XR1	420257 base downstream	q26.32	AG	0.6092	1.262	1.23E-05
2	rs6548035	30859375	CAPN13	intron 21	p23.1	AG	0.3299	1.275	1.24E-05
6	rs9445199	94830956	EPHA7	644963 base downstream	q16.1	AG	0.6732	0.786	1.24E-05
2	rs2030386	30858916	CAPN13	intron 21	p23.1	AG	0.6708	0.787	1.26E-05
6	rs2787944	94821751	EPHA7	635758 base downstream	q16.1	CT	0.3274	1.272	1.28E-05
6	rs9351405	94834038	EPHA7	648045 base downstream	q16.1	AG	0.6732	0.786	1.32E-05
6	rs1416058	94825178	EPHA7	639185 base downstream	q16.1	AT	0.3265	1.27	1.43E-05
6	rs9354083	94830671	EPHA7	644678 base downstream	q16.1	CT	0.6734	0.787	1.48E-05
3	rs1875102	178825162	TBL1XR1	427420 base downstream	q26.32	CT	0.609	1.258	1.55E-05

6	rs9482753	99029526	POU3F2	359774 base upstream	q16.2	AG	0.9535	1.925	1.59E-05
6	rs1488307	94772045	EPHA7	586052 base downstream	q16.1	CT	0.3493	1.28	1.67E-05
9	rs17427184	86103553	SLC28A3	intron 12	q21.33	AG	0.0806	1.515	1.71E-05
6	rs669021	94855791	EPHA7	669798 base downstream	q16.1	CT	0.3255	1.27	1.92E-05
3	rs11716881	178804169	TBL1XR1	406427 base downstream	q26.32	AG	0.599	1.262	2.11E-05
3	rs4241484	178798779	TBL1XR1	401037 base downstream	q26.32	AC	0.599	1.263	2.12E-05
3	rs6766914	178805561	TBL1XR1	407819 base downstream	q26.32	CT	0.599	1.258	2.13E-05
6	rs582835	94785340	EPHA7	599347 base downstream	q16.1	CT	0.662	0.792	2.19E-05
7	rs706568	136935020	DGKI	intron 23	q33	AT	0.0538	1.671	2.26E-05
3	rs4857716	178795570	TBL1XR1	397828 base downstream	q26.32	CT	0.4009	0.79	2.31E-05
6	rs1586510	94789896	EPHA7	603903 base downstream	q16.1	CT	0.338	1.261	2.33E-05
7	rs6949094	136934899	DGKI	intron 23	q33	CT	0.048	1.681	2.38E-05
2	rs2030383	30858582	CAPN13	intron 21	p23.1	GT	0.6891	0.787	2.40E-05
2	rs2030384	30858583	CAPN13	intron 21	p23.1	GT	0.6892	0.787	2.50E-05
6	rs667243	94818482	EPHA7	632489 base downstream	q16.1	AG	0.3357	1.261	2.56E-05
6	rs679881	94799746	EPHA7	613753 base downstream	q16.1	AG	0.338	1.259	2.66E-05
6	rs1463678	94800718	EPHA7	614725 base downstream	q16.1	AG	0.338	1.259	2.68E-05
2	rs12474717	55796721	PNPT1	22258 base downstream	p16.1	GT	0.887	0.686	2.98E-05
6	rs2875662	94807741	EPHA7	621748 base downstream	q16.1	CT	0.6621	0.796	3.02E-05
2	rs2377685	106754304	ST6GAL2	35235 base upstream	q12.3	GT	0.2968	0.784	3.02E-05
10	rs10887132	124083263	C10orf87	intron 13	q26.13	CT	0.2681	0.766	3.10E-05
2	rs1349065	106754740	ST6GAL2	34799 base upstream	q12.3	CG	0.7032	1.275	3.11E-05
6	rs6919516	94816613	EPHA7	630620 base downstream	q16.1	AG	0.3376	1.257	3.12E-05
10	rs10887131	124083189	C10orf87	intron 13	q26.13	CG	0.2681	0.766	3.12E-05
2	rs17010236	30846223	CAPN13	intron 18	p23.1	GT	0.325	1.256	3.15E-05
2	rs17324843	30846381	CAPN13	intron 18	p23.1	AG	0.6751	0.796	3.16E-05
5	rs151152	13541800	DNAH5	201636 base upstream	p15.2	CT	0.853	0.722	3.17E-05
2	rs11894298	106754935	ST6GAL2	34604 base upstream	q12.3	CT	0.2968	0.785	3.20E-05
6	rs678036	94814119	EPHA7	628126 base downstream	q16.1	CG	0.6621	0.796	3.24E-05
5	rs3853117	13541819	DNAH5	201617 base upstream	p15.2	CT	0.853	0.723	3.26E-05
2	rs11894451	106755254	ST6GAL2	34285 base upstream	q12.3	CT	0.2969	0.785	3.29E-05
2	rs11887836	106755321	ST6GAL2	34218 base upstream	q12.3	CG	0.7031	1.273	3.39E-05
2	rs11888992	106755485	ST6GAL2	34054 base upstream	q12.3	CG	0.703	1.273	3.44E-05
2	rs6747891	106756383	ST6GAL2	33156 base upstream	q12.3	AG	0.297	0.786	3.46E-05
6	rs9491646	99034084	POU3F2	355216 base upstream	q16.2	AG	0.0424	0.531	3.47E-05
6	rs9491645	99032544	POU3F2	356756 base upstream	q16.2	CT	0.9577	1.881	3.48E-05
6	rs9491644	99032521	POU3F2	356779 base upstream	q16.2	AG	0.9577	1.881	3.49E-05

2	rs1448103	106757512	ST6GAL2	32027 base upstream	q12.3	AG	0.2971	0.786	3.52E-05
6	rs11154359	99031598	POU3F2	357702 base upstream	q16.2	AG	0.0422	0.533	3.54E-05
2	rs16830280	134733887	MGAT5	intron 1	q21.2	AT	0.9361	0.631	3.57E-05
15	rs10518706	51240801	WDR72	352428 base upstream	q21.3	CT	0.8207	0.752	3.59E-05
15	rs11070957	51238288	WDR72	354941 base upstream	q21.3	GT	0.8207	0.752	3.60E-05
6	rs9482751	99028026	POU3F2	361274 base upstream	q16.2	CT	0.958	1.868	3.65E-05
6	rs1494770	99026958	POU3F2	362342 base upstream	q16.2	CT	0.042	0.536	3.65E-05
6	rs9482752	99028948	POU3F2	360352 base upstream	q16.2	AC	0.042	0.535	3.66E-05
6	rs9491640	99025985	POU3F2	363315 base upstream	q16.2	AC	0.042	0.536	3.66E-05
8	rs7817295	14915797	SGCZ	intron 7	p22	AT	0.516	0.805	3.70E-05
6	rs9885878	99023244	POU3F2	366056 base upstream	q16.2	AC	0.0419	0.537	3.71E-05
6	rs9491637	99024090	POU3F2	365210 base upstream	q16.2	AG	0.9581	1.863	3.71E-05
6	rs9482747	99023189	POU3F2	366111 base upstream	q16.2	CT	0.9582	1.86	3.75E-05
2	rs17033251	106759973	ST6GAL2	29566 base upstream	q12.3	CT	0.2984	0.784	3.78E-05
6	rs1908399	99021767	POU3F2	367533 base upstream	q16.2	AG	0.9583	1.854	3.83E-05
2	rs1448105	106761667	ST6GAL2	27872 base upstream	q12.3	AT	0.2989	0.783	3.86E-05
12	rs11060565	128857653	TMEM132D	intron 8	q24.33	CT	0.1757	1.326	3.87E-05
3	rs1984870	24690139	THRB	178822 base downstream	p24.2	GT	0.5299	1.241	3.87E-05
6	rs9491633	99021401	POU3F2	367899 base upstream	q16.2	AC	0.0416	0.54	3.90E-05
3	rs1984874	24690109	THRB	178792 base downstream	p24.2	CT	0.5297	1.241	3.91E-05
6	rs9388491	99020082	POU3F2	369218 base upstream	q16.2	AC	0.9585	1.848	3.92E-05
6	rs9491631	99021192	POU3F2	368108 base upstream	q16.2	CT	0.9584	1.849	3.93E-05
6	rs9401880	99020505	POU3F2	368795 base upstream	q16.2	CG	0.9584	1.848	3.94E-05
6	rs9491632	99021290	POU3F2	368010 base upstream	q16.2	AT	0.0416	0.541	3.94E-05
6	rs9491625	99016428	POU3F2	372872 base upstream	q16.2	AG	0.0415	0.542	3.95E-05
6	rs9482746	99021203	POU3F2	368097 base upstream	q16.2	CT	0.0416	0.541	3.95E-05
6	rs12213284	99015010	POU3F2	374290 base upstream	q16.2	GT	0.0414	0.543	3.97E-05
15	rs17545312	51214304	ONECUT1	344803 base downstream	q21.3	AG	0.8215	0.755	4.22E-05
15	rs17627721	51214080	ONECUT1	344579 base downstream	q21.3	GT	0.8215	0.755	4.23E-05
2	rs13010864	210430270	C2orf21	60754 base downstream	q34	AG	0.8693	0.718	4.24E-05
2	rs17014915	78148150	LRRTM4	545140 base downstream	p12	CT	0.2444	1.278	4.25E-05
2	rs17014922	78149582	LRRTM4	546572 base downstream	p12	CT	0.2444	1.278	4.28E-05
2	rs10188275	71088630	TEX261	13121 base downstream	p13.3	CT	0.0543	0.58	4.32E-05
2	rs10196871	71088542	TEX261	13033 base downstream	p13.3	AG	0.9457	1.726	4.32E-05
2	rs10189222	71089555	TEX261	14046 base downstream	p13.3	CT	0.0543	0.577	4.45E-05
2	rs10179209	71089580	TEX261	14071 base downstream	p13.3	AG	0.0544	0.575	4.51E-05
2	rs728241	106764565	ST6GAL2	24974 base upstream	q12.3	AG	0.3041	0.776	4.84E-05

3	rs2362756	24691768	THRB	180451 base downstream	p24.2	GT	0.5305	1.241	4.87E-05
21	rs2837220	40082808	LOC150084	intron 6	q22.2	CT	0.3851	1.24	4.88E-05
2	rs728239	106764687	ST6GAL2	24852 base upstream	q12.3	CT	0.3043	0.776	4.88E-05
5	rs2453814	2546280	IRX2	253599 base upstream	p15.33	AC	0.5845	1.24	4.92E-05
8	rs16918988	54353550	OPRK1	26803 base downstream	q11.23	CT	0.8823	1.453	5.00E-05
2	rs728240	106764888	ST6GAL2	24651 base upstream	q12.3	GT	0.6947	1.291	5.23E-05
20	rs6019695	47271275	DDX27	intron 1	q13.13	AG	0.0611	1.544	5.31E-05
2	rs10194322	210423419	C2orf21	53903 base downstream	q34	AG	0.1212	1.391	5.40E-05
2	rs7593426	210442080	C2orf21	72564 base downstream	q34	AG	0.1216	1.382	5.40E-05
2	rs10194333	210423552	C2orf21	54036 base downstream	q34	AC	0.1212	1.39	5.43E-05
20	rs6012627	47306203	ZNF1	intron 6	q13.13	AG	0.9388	0.65	5.57E-05
2	rs13013030	210425175	C2orf21	55659 base downstream	q34	CG	0.8784	0.721	5.58E-05
2	rs7584039	210425771	C2orf21	56255 base downstream	q34	CT	0.1216	1.387	5.60E-05
2	rs2191909	210427017	C2orf21	57501 base downstream	q34	CG	0.8783	0.721	5.64E-05
2	rs7566741	210442197	C2orf21	72681 base downstream	q34	AG	0.8786	0.723	5.67E-05
2	rs2159747	210427142	C2orf21	57626 base downstream	q34	CT	0.1219	1.384	5.75E-05
8	rs2376420	54356965	OPRK1	30218 base downstream	q11.23	AT	0.1062	0.693	5.75E-05
8	rs2376419	54357042	OPRK1	30295 base downstream	q11.23	AG	0.1062	0.693	5.75E-05
8	rs4565474	54357197	OPRK1	30450 base downstream	q11.23	AG	0.894	1.445	5.77E-05
8	rs2376418	54357083	OPRK1	30336 base downstream	q11.23	AT	0.894	1.445	5.77E-05
8	rs2059547	54355648	OPRK1	28901 base downstream	q11.23	CT	0.1064	0.693	5.77E-05
8	rs2376422	54356785	OPRK1	30038 base downstream	q11.23	AG	0.8936	1.442	5.78E-05
2	rs10490027	210442707	C2orf21	73191 base downstream	q34	AT	0.1213	1.383	5.80E-05
8	rs9792384	54352922	OPRK1	26175 base downstream	q11.23	AG	0.1068	0.695	5.82E-05
8	rs9792266	54352873	OPRK1	26126 base downstream	q11.23	AT	0.1068	0.695	5.84E-05
8	rs9792157	54348944	OPRK1	22197 base downstream	q11.23	AC	0.1068	0.696	5.87E-05
2	rs7579121	210429691	C2orf21	60175 base downstream	q34	CT	0.1221	1.382	5.87E-05
15	rs7168646	51305758	WDR72	287471 base upstream	q21.3	AG	0.8081	0.759	5.93E-05
8	rs2162181	54346783	OPRK1	20036 base downstream	q11.23	CT	0.893	1.435	5.96E-05
9	rs10868141	86111098	SLC28A3	intron 15	q21.33	CT	0.9065	0.697	6.12E-05
2	rs9631001	210433939	C2orf21	64423 base downstream	q34	CT	0.8776	0.725	6.13E-05
6	rs9471557	41399757	NCR2	11748 base upstream	p21.1	CT	0.4283	1.238	6.14E-05
6	rs9471560	41399986	NCR2	11519 base upstream	p21.1	AG	0.5717	0.807	6.14E-05
6	rs10807260	41400115	NCR2	11390 base upstream	p21.1	CT	0.5717	0.808	6.16E-05
6	rs12198812	41401304	NCR2	10201 base upstream	p21.1	CT	0.5718	0.808	6.16E-05
6	rs10807261	41400213	NCR2	11292 base upstream	p21.1	AC	0.5718	0.808	6.16E-05
6	rs9462699	41402041	NCR2	9464 base upstream	p21.1	AG	0.4282	1.238	6.18E-05

12	rs1376797	128850548	TMEM132D	intron 8	q24.33	CT	0.1787	1.316	6.20E-05
6	rs13219519	41402893	NCR2	8612 base upstream	p21.1	AT	0.5719	0.808	6.22E-05
6	rs13203392	41402924	NCR2	8581 base upstream	p21.1	CT	0.4281	1.238	6.23E-05
2	rs10178431	210413152	C2orf21	43636 base downstream	q34	GT	0.8784	0.711	6.24E-05
6	rs2395773	41403590	NCR2	7915 base upstream	p21.1	CT	0.4281	1.238	6.24E-05
15	rs16965587	51225655	ONECUT1	356154 base downstream	q21.3	GT	0.8314	0.748	6.25E-05
6	rs4605877	41403756	NCR2	7749 base upstream	p21.1	GT	0.572	0.808	6.27E-05
6	rs2395774	41403603	NCR2	7902 base upstream	p21.1	AG	0.428	1.238	6.27E-05
2	rs12328328	210443088	C2orf21	73572 base downstream	q34	CT	0.8789	0.724	6.29E-05
6	rs9261043	30074705	HCG9	20557 base downstream	p21.33	CT	0.9386	0.639	6.30E-05
2	rs9973787	210437244	C2orf21	67728 base downstream	q34	AG	0.8774	0.727	6.30E-05
6	rs9471568	41404359	NCR2	7146 base upstream	p21.1	CT	0.4279	1.237	6.31E-05
6	rs13208294	41404430	NCR2	7075 base upstream	p21.1	AG	0.4279	1.237	6.32E-05
2	rs12329111	210443100	C2orf21	73584 base downstream	q34	AC	0.8789	0.724	6.34E-05
16	rs12925611	26198350	HS3ST4	141841 base downstream	p12.1	CT	0.7251	0.775	6.34E-05
6	rs13208406	41404488	NCR2	7017 base upstream	p21.1	AC	0.4279	1.237	6.35E-05
6	rs12525710	41404657	NCR2	6848 base upstream	p21.1	CT	0.4279	1.237	6.35E-05
2	rs12328346	210443331	C2orf21	73815 base downstream	q34	AG	0.1211	1.381	6.40E-05
2	rs7595063	210437762	C2orf21	68246 base downstream	q34	AC	0.1228	1.374	6.45E-05
2	rs7598071	210437956	C2orf21	68440 base downstream	q34	CG	0.1228	1.374	6.51E-05
2	rs10490028	210443405	C2orf21	73889 base downstream	q34	CT	0.8789	0.725	6.55E-05
2	rs9973848	210438805	C2orf21	69289 base downstream	q34	AG	0.8772	0.728	6.58E-05
2	rs12328869	210444413	C2orf21	74897 base downstream	q34	AT	0.1211	1.38	6.61E-05
2	rs12328884	210444633	C2orf21	75117 base downstream	q34	CT	0.1211	1.38	6.62E-05
2	rs9973317	210439257	C2orf21	69741 base downstream	q34	CT	0.8772	0.728	6.63E-05
2	rs12329303	210444857	C2orf21	75341 base downstream	q34	AG	0.879	0.725	6.64E-05
3	rs8177203	134952715	TF	intron 2	q22.1	AG	0.9525	0.627	6.66E-05
2	rs7581628	210446076	C2orf21	76560 base downstream	q34	AG	0.879	0.725	6.72E-05
6	rs1905568	41405925	NCR2	5580 base upstream	p21.1	CT	0.4274	1.239	6.76E-05
2	rs7581974	210446334	C2orf21	76818 base downstream	q34	AG	0.879	0.725	6.78E-05
6	rs12208867	30134215	ZNRD1	2799 base upstream	p21.33	AG	0.0618	1.558	6.83E-05
2	rs17748674	210447096	C2orf21	77580 base downstream	q34	CT	0.121	1.379	6.84E-05
2	rs4952179	30848531	CAPN13	intron 19	p23.1	CT	0.7132	0.797	6.86E-05
8	rs7830450	135176557	ZNF406	382656 base upstream	q24.22	CT	0.5706	0.811	6.87E-05
6	rs12208539	99010182	POU3F2	379118 base upstream	q16.2	GT	0.9607	1.805	6.87E-05
2	rs17748692	210447119	C2orf21	77603 base downstream	q34	CT	0.121	1.379	6.93E-05
6	rs2395775	41405993	NCR2	5512 base upstream	p21.1	CG	0.4272	1.24	6.99E-05

2	rs1558474	210447598	C2orf21	78082 base downstream	q34	CT	0.879	0.726	7.00E-05
8	rs9792306	54353314	OPRK1	26567 base downstream	q11.23	CT	0.1204	0.701	7.00E-05
2	rs16843893	210449837	C2orf21	80321 base downstream	q34	CT	0.879	0.726	7.09E-05
2	rs11682914	210450278	C2orf21	80762 base downstream	q34	AG	0.1209	1.378	7.12E-05
8	rs16918960	54337603	OPRK1	10856 base downstream	q11.23	AT	0.1078	0.705	7.16E-05
2	rs2109970	210450498	C2orf21	80982 base downstream	q34	AG	0.8791	0.726	7.17E-05
3	rs4532136	134949575	TF	intron 1	q22.1	AG	0.0485	1.589	7.25E-05
7	rs1689304	52979122	DKFZp564N247:	91720 base upstream	p12.1	AC	0.2106	1.29	7.35E-05
2	rs17748818	210454100	C2orf21	84584 base downstream	q34	CT	0.8791	0.726	7.35E-05
7	rs1689306	52979766	DKFZp564N247:	91076 base upstream	p12.1	AG	0.2106	1.289	7.39E-05
11	rs427875	115309136	CADM1	428685 base downstream	q23.2	AC	0.2656	1.273	7.42E-05
11	rs4243917	10804775	EIF4G2	17617 base downstream	p15.3	CT	0.0861	0.678	7.51E-05
2	rs17028360	64129701	VPS54	29983 base downstream	p14	AG	0.9461	0.64	7.57E-05
6	rs10755717	41406187	NCR2	5318 base upstream	p21.1	AG	0.4266	1.243	7.60E-05
4	rs2570071	58784187	IGFBP7	1112891 base downstream	q12	GT	0.7147	1.262	7.62E-05
3	rs8177186	134947891	TF	33 base upstream	q22.1	GT	0.9512	0.631	7.66E-05
6	rs7771870	41406742	NCR2	4763 base upstream	p21.1	AT	0.4265	1.244	7.74E-05
8	rs7819906	54411642	OPRK1	84895 base downstream	q11.23	CT	0.89	1.415	7.75E-05
20	rs761498	47349857	ZNFX1	21694 base downstream	q13.13	CT	0.9391	0.654	7.78E-05
3	rs8177185	134947308	TF	616 base upstream	q22.1	AG	0.0489	1.582	7.91E-05
4	rs2570089	58794368	IGFBP7	1123072 base downstream	q12	CT	0.7147	1.261	8.00E-05
1	rs903050	110900289	KCNA10	36969 base downstream	p13.3	CT	0.1002	1.451	8.01E-05
4	rs4460073	71142292	CSN3	629 base upstream	q13.3	CT	0.1173	0.723	8.01E-05
6	rs12200527	99009252	POU3F2	380048 base upstream	q16.2	AT	0.9611	1.794	8.03E-05
21	rs2837202	40065876	LOC150084	intron 4	q22.2	AT	0.5532	0.807	8.08E-05
6	rs9482736	99007342	POU3F2	381958 base upstream	q16.2	CT	0.9611	1.793	8.09E-05
8	rs11995645	54427066	OPRK1	100319 base downstream	q11.23	CT	0.89	1.413	8.15E-05
6	rs6941388	99031254	POU3F2	358046 base upstream	q16.2	AT	0.0469	0.571	8.16E-05
8	rs11985025	54427119	OPRK1	100372 base downstream	q11.23	AT	0.89	1.413	8.22E-05
7	rs706567	136933752	DGKI	intron 23	q33	CT	0.0514	1.661	8.22E-05
7	rs706562	136927210	DGKI	intron 22	q33	CG	0.0517	1.665	8.45E-05
19	rs870379	40235596	HPN	intron 5	q13.11	AG	0.6439	0.806	8.47E-05
10	rs1360550	30527766	PAPD1	113998 base upstream	p11.23	AG	0.6449	0.808	8.49E-05
4	rs11133552	58818055	IGFBP7	1146759 base downstream	q12	AG	0.7147	1.259	8.52E-05
6	rs3125579	99015679	POU3F2	373621 base upstream	q16.2	AG	0.9538	1.729	8.62E-05
4	rs2412885	58821899	IGFBP7	1150603 base downstream	q12	CT	0.2853	0.794	8.62E-05
2	rs11688226	210478772	RPE	96824 base upstream	q34	CT	0.8793	0.727	8.68E-05

4	rs2244536	58824709	IGFBP7	1153413 base downstream	q12	AC	0.7147	1.259	8.69E-05
4	rs1368608	58828880	IGFBP7	1157584 base downstream	q12	AG	0.2853	0.795	8.79E-05
8	rs7465082	54386635	OPRK1	59888 base downstream	q11.23	GT	0.89	1.411	8.81E-05
20	rs11907908	47357021	ZNF406	28858 base downstream	q13.13	CT	0.9392	0.655	8.91E-05
6	rs9491610	99006740	POU3F2	382560 base upstream	q16.2	AG	0.9606	1.806	8.91E-05
8	rs765847	135205190	ZNF406	354023 base upstream	q24.22	AG	0.4854	1.224	8.94E-05
8	rs7011020	135210399	ZNF406	348814 base upstream	q24.22	AG	0.5146	0.817	8.98E-05
6	rs3104078	99010723	POU3F2	378577 base upstream	q16.2	AT	0.0454	0.578	8.98E-05
4	rs2553297	58833846	IGFBP7	1162550 base downstream	q12	CT	0.2853	0.795	9.04E-05
10	rs2462021	30530710	PAPD1	111054 base upstream	p11.23	CT	0.3552	1.237	9.06E-05
8	rs1124525	135192071	ZNF406	367142 base upstream	q24.22	AG	0.5147	0.817	9.09E-05
2	rs4848185	123110875	TSN	868979 base downstream	q14.3	AG	0.652	1.257	9.12E-05
5	rs266581	64346595	SDCCAG10	intron 13	q12.3	AT	0.8249	0.754	9.14E-05
8	rs1446995	135211030	ZNF406	348183 base upstream	q24.22	GT	0.4854	1.223	9.14E-05
2	rs11694132	210480528	RPE	95068 base upstream	q34	AG	0.8794	0.727	9.15E-05
2	rs6739769	210481545	RPE	94051 base upstream	q34	CT	0.8794	0.727	9.23E-05
8	rs4897681	135212703	ZNF406	346510 base upstream	q24.22	CT	0.4854	1.223	9.25E-05
8	rs11995818	54378028	OPRK1	51281 base downstream	q11.23	AT	0.89	1.409	9.26E-05
2	rs17039782	123110041	TSN	868145 base downstream	q14.3	CT	0.3485	0.797	9.31E-05
4	rs1038151	136732205	PABPC4L	1389852 base downstream	q28.3	GT	0.489	1.225	9.34E-05
8	rs6994801	135214566	ZNF406	344647 base upstream	q24.22	CG	0.5146	0.818	9.37E-05
2	rs987707	123108773	TSN	866877 base downstream	q14.3	CT	0.6511	1.253	9.50E-05
4	rs2035293	136730586	PABPC4L	1388233 base downstream	q28.3	AG	0.511	0.816	9.61E-05
8	rs992526	135216479	ZNF406	342734 base upstream	q24.22	CT	0.5147	0.818	9.68E-05
4	rs2086327	136730007	PABPC4L	1387654 base downstream	q28.3	AC	0.511	0.817	9.93E-05
22	rs5999742	33870423	RAXLX	57045 base downstream	q12.3	AG	0.7176	1.265	0.000101
5	rs3112414	2561221	IRX2	238658 base upstream	p15.33	CG	0.5862	1.232	0.0001011
17	rs9915451	51788210	ANKFN1	intron 5	q22	AG	0.2536	1.268	0.0001019
2	rs1371489	123098289	TSN	856393 base downstream	q14.3	CT	0.3428	0.802	0.0001028
6	rs9491608	99005624	POU3F2	383676 base upstream	q16.2	AG	0.0402	0.548	0.0001031
2	rs11897702	123106179	TSN	864283 base downstream	q14.3	CT	0.6492	1.243	0.0001032
17	rs1547966	51779870	ANKFN1	intron 3	q22	CT	0.2585	1.273	0.0001046
2	rs1918273	123091471	TSN	849575 base downstream	q14.3	GT	0.3424	0.803	0.0001051
6	rs1488324	94792276	EPHA7	606283 base downstream	q16.1	AG	0.3256	1.239	0.0001052
16	rs17146172	7343080	A2BP1	intron 4	p13.2	CT	0.1066	1.383	0.0001073
16	rs9933137	7342542	A2BP1	intron 4	p13.2	GT	0.1066	1.382	0.0001074
15	rs690535	51194001	ONECUT1	324500 base downstream	q21.3	GT	0.1901	1.302	0.0001075

12	rs825959	89248606	C12orf12	621517 base upstream	q21.33	CT	0.6379	1.242	0.00011
16	rs17842417	7340883	A2BP1	intron 4	p13.2	CT	0.1066	1.38	0.0001101
6	rs6910965	25280013	LRRRC16	107613 base upstream	p22.2	CG	0.1856	0.764	0.0001104
17	rs8082579	51771638	ANKFN1	intron 3	q22	GT	0.7409	0.786	0.0001106
22	rs5750066	33870522	RAXLX	57144 base downstream	q12.3	GT	0.7087	1.265	0.0001107
11	rs836123	34519515	ELF5	27609 base downstream	p13	CT	0.9311	0.654	0.0001123
21	rs11088495	40081547	LOC150084	intron 5	q22.2	CT	0.6049	0.815	0.000113
10	rs2482824	30517781	PAPD1	123983 base upstream	p11.23	CT	0.644	0.812	0.000114
16	rs17143484	7339253	A2BP1	intron 4	p13.2	CT	0.1067	1.377	0.0001143
16	rs9924010	7338996	A2BP1	intron 4	p13.2	AG	0.1067	1.377	0.0001148
6	rs9471573	41405361	NCR2	6144 base upstream	p21.1	AG	0.5624	0.812	0.0001149
15	rs11858823	51190404	ONECUT1	320903 base downstream	q21.3	AG	0.1947	1.297	0.0001153
6	rs9384246	155209126	RBM16	12242 base downstream	q25.2	CT	0.0374	0.548	0.0001156
10	rs2505112	30517210	PAPD1	124554 base upstream	p11.23	CT	0.3561	1.231	0.0001176
2	rs1439724	209684516	MAP2	312499 base upstream	q34	AG	0.1488	1.332	0.0001179
3	rs820464	124839752	MYLK	intron 6	q21.1	CG	0.0542	1.553	0.0001187
3	rs820460	124837883	MYLK	intron 5	q21.1	CT	0.0542	1.554	0.0001187
3	rs1254401	124836431	MYLK	intron 5	q21.1	CG	0.0542	1.554	0.0001188
3	rs820463	124839727	MYLK	EXON 6	q21.1	AG	0.9458	0.644	0.0001188
3	rs1254397	124833978	MYLK	intron 5	q21.1	CT	0.9458	0.644	0.0001189
11	rs7103202	10779614	EIF4G2	intron 8	p15.3	AG	0.0758	0.681	0.0001189
3	rs1254403	124840968	MYLK	intron 6	q21.1	AC	0.9458	0.644	0.000119
11	rs4909953	10776960	EIF4G2	intron 1	p15.3	AC	0.0758	0.681	0.000119
3	rs820470	124845546	MYLK	intron 7	q21.1	CT	0.0542	1.553	0.0001192
11	rs10743150	10781116	EIF4G2	intron 11	p15.3	AG	0.9242	1.468	0.0001197
3	rs820472	124847003	MYLK	intron 7	q21.1	CT	0.0542	1.553	0.0001201
11	rs7932171	10783496	EIF4G2	intron 18	p15.3	CT	0.9242	1.468	0.0001208
3	rs820446	124831466	MYLK	intron 5	q21.1	CT	0.0542	1.553	0.0001214
4	rs6811079	175703538	HPGD	23352 base downstream	q34.1	AG	0.0917	0.688	0.0001221
3	rs820455	124823568	MYLK	intron 3	q21.1	AG	0.9458	0.644	0.0001232
3	rs820459	124820628	MYLK	intron 2	q21.1	AG	0.9458	0.644	0.0001233
3	rs848145	124819672	MYLK	intron 1	q21.1	AG	0.0542	1.552	0.0001234
2	rs10490026	210441690	C2orf21	72174 base downstream	q34	AG	0.1214	1.359	0.0001268
2	rs10490025	210441645	C2orf21	72129 base downstream	q34	AT	0.8786	0.736	0.0001268
6	rs9357353	41385833	TREM1	23398 base downstream	p21.1	CT	0.4184	1.234	0.0001278
3	rs1254389	124852418	MYLK	intron 10	q21.1	AT	0.0539	1.549	0.0001285
15	rs10518710	51245627	WDR72	347602 base upstream	q21.3	CG	0.1871	1.294	0.0001304

2	rs1439736	209659240	MAP2	337775 base upstream	q34	GT	0.8516	0.752	0.0001306
4	rs16895934	9892151	KIAA1729	158450 base upstream	p16.1	GT	0.006	3.933	0.0001325
3	rs2362754	24675281	THRB	163964 base downstream	p24.2	CG	0.4793	0.819	0.0001358
4	rs2553316	58802595	IGFBP7	1131299 base downstream	q12	CG	0.6927	1.253	0.0001365
10	rs2488010	30531413	PAPD1	110351 base upstream	p11.23	AG	0.356	1.23	0.0001372
8	rs7842645	135163085	ZNF406	396128 base upstream	q24.22	AG	0.4783	1.219	0.000138
3	rs4452272	24666213	THRB	154896 base downstream	p24.2	CT	0.479	0.819	0.0001387
1	rs942837	214165817	USH2A	intron 34	q41	CT	0.8333	1.319	0.0001393
2	rs13414802	210440931	C2orf21	71415 base downstream	q34	AG	0.8644	0.739	0.0001405
1	rs513746	214169419	USH2A	intron 34	q41	CT	0.8336	1.318	0.0001411
1	rs517577	214169893	USH2A	intron 34	q41	AG	0.1664	0.759	0.0001414
7	rs1919945	52978744	DKFZp564N247z	92098 base upstream	p12.1	CT	0.8061	0.766	0.0001418
1	rs662355	214170400	USH2A	intron 34	q41	CG	0.8339	1.318	0.000143
17	rs7222776	787555	NXN	intron 7	p13.3	GT	0.6938	0.806	0.0001433
1	rs647908	214171349	USH2A	intron 34	q41	AC	0.1659	0.759	0.0001449
1	rs646576	214171639	USH2A	intron 34	q41	AG	0.1658	0.759	0.0001454
5	rs13156277	2517988	IRX2	281891 base upstream	p15.33	CT	0.6093	1.252	0.000146
10	rs503598	30536131	PAPD1	105633 base upstream	p11.23	AG	0.6439	0.814	0.0001469
10	rs4918918	97112231	SORBS1	intron 11	q23.33	CT	0.6364	0.814	0.000149
15	rs17628504	51322236	WDR72	270993 base upstream	q21.3	AG	0.8454	0.754	0.000149
11	rs369845	115308412	CADM1	427961 base downstream	q23.2	CT	0.2816	1.249	0.0001497
1	rs1660383	212355520	PROX1	79137 base downstream	q41	AG	0.0334	1.777	0.0001509
5	rs13175490	2517882	IRX2	281997 base upstream	p15.33	AG	0.6094	1.251	0.0001512
1	rs492474	214178831	USH2A	intron 35	q41	GT	0.1653	0.76	0.0001514
4	rs16895848	9887927	WDR1	160256 base downstream	p16.1	AT	0.006	3.923	0.0001524
18	rs2004027	64693088	CCDC102B	intron 7	q22.1	AT	0.2745	1.244	0.000153
2	rs11684281	123098501	TSN	856605 base downstream	q14.3	GT	0.3593	0.811	0.0001538
18	rs2051301	64691203	CCDC102B	intron 6	q22.1	CT	0.2747	1.244	0.0001538
18	rs2051303	64690810	CCDC102B	intron 6	q22.1	AT	0.2748	1.244	0.0001541
12	rs6488934	123620722	NCOR2	34620 base downstream	q24.31	AT	0.053	1.559	0.0001544
18	rs4797242	6397483	L3MBTL4	intron 19	p11.31	AC	0.2891	0.799	0.0001545
8	rs1158934	135101424	ST3GAL1	448080 base downstream	q24.22	AG	0.439	0.819	0.0001555
2	rs2418570	123069387	TSN	827491 base downstream	q14.3	AG	0.3387	0.808	0.0001585
4	rs13105776	58828037	IGFBP7	1156741 base downstream	q12	CT	0.7761	1.284	0.0001593
6	rs3123337	99005968	POU3F2	383332 base upstream	q16.2	CT	0.0454	0.571	0.0001627
5	rs1309534	64338340	SDCCAG10	intron 13	q12.3	AG	0.1766	1.311	0.000164
22	rs9610223	33870650	RAXLX	57272 base downstream	q12.3	CT	0.2621	0.796	0.0001643

2	rs10171928	123068787	TSN	826891 base downstream	q14.3	CT	0.3382	0.808	0.0001655
21	rs2823722	16557827	C21orf34	intron 4	q21.1	CT	0.609	0.802	0.0001656
2	rs1595755	123087692	TSN	845796 base downstream	q14.3	CT	0.6408	1.23	0.0001673
21	rs238946	16544957	C21orf34	intron 4	q21.1	AG	0.605	0.806	0.0001675
2	rs2043940	123083369	TSN	841473 base downstream	q14.3	CT	0.6408	1.23	0.0001676
10	rs2488003	30507811	KIAA1462	131005 base downstream	p11.23	AG	0.6411	0.816	0.0001683
2	rs6753885	123075396	TSN	833500 base downstream	q14.3	AT	0.6408	1.23	0.0001683
20	rs6066696	46386093	PREX1	288106 base upstream	q13.13	AT	0.3237	0.803	0.0001686
6	rs12663706	25256945	LRRC16	130681 base upstream	p22.2	CG	0.7816	1.295	0.0001699
8	rs13272401	12770433	C8orf79	77120 base upstream	p22	GT	0.0196	2.135	0.0001715
3	rs11928551	24678903	THRB	167586 base downstream	p24.2	GT	0.52	1.218	0.0001728
3	rs9812637	24680225	THRB	168908 base downstream	p24.2	AG	0.48	0.821	0.0001736
3	rs6794974	106404720	ALCAM	163682 base upstream	q13.11	AG	0.1946	0.777	0.0001744
1	rs4951084	202873597	LRRN5	intron 1	q32.1	CG	0.2748	1.27	0.0001748
21	rs2823717	16555717	C21orf34	intron 4	q21.1	AT	0.6041	0.818	0.0001755
1	rs772713	214179910	USH2A	intron 35	q41	AC	0.8344	1.314	0.0001757
16	rs8054432	6838730	A2BP1	intron 3	p13.2	CT	0.692	1.244	0.0001758
3	rs9843745	24661552	THRB	150235 base downstream	p24.2	AG	0.4786	0.821	0.0001766
2	rs2698029	51633763	NRXN1	520585 base downstream	p16.3	GT	0.5489	0.821	0.0001767
16	rs8054809	6838963	A2BP1	intron 3	p13.2	CG	0.692	1.245	0.0001771
3	rs9817530	24656887	THRB	145570 base downstream	p24.2	AG	0.4785	0.821	0.0001773
11	rs11042997	10857160	EIF4G2	70002 base downstream	p15.3	AC	0.1366	0.728	0.0001773
21	rs2823721	16557703	C21orf34	intron 4	q21.1	AG	0.3938	1.232	0.0001774
21	rs2823716	16555664	C21orf34	intron 4	q21.1	AG	0.6042	0.818	0.0001782
2	rs2715079	51634538	NRXN1	521360 base downstream	p16.3	AG	0.451	1.217	0.0001784
3	rs1568420	106400088	ALCAM	168314 base upstream	q13.11	CT	0.1946	0.777	0.0001789
8	rs7462232	54386673	OPRK1	59926 base downstream	q11.23	AG	0.8842	1.388	0.00018
21	rs238964	16557408	C21orf34	intron 4	q21.1	CG	0.605	0.815	0.000182
21	rs1492957	16555965	C21orf34	intron 4	q21.1	CT	0.3959	1.223	0.0001822
21	rs4337554	40078450	LOC150084	intron 5	q22.2	AG	0.665	0.81	0.0001825
21	rs2823718	16556290	C21orf34	intron 4	q21.1	AG	0.3952	1.223	0.0001834
21	rs6517695	16557390	C21orf34	intron 4	q21.1	GT	0.3953	1.225	0.0001843
2	rs11124131	106716044	ST6GAL2	73495 base upstream	q12.3	AC	0.6886	1.244	0.000185
21	rs2823720	16556577	C21orf34	intron 4	q21.1	AC	0.6043	0.817	0.0001857
5	rs7730020	40693709	PTGER4	22079 base upstream	p13.1	CT	0.6573	1.232	0.0001859
4	rs11248073	1707300	TACC3	EXON 8	p16.3	CT	0.6523	0.799	0.0001864
2	rs13393451	106707725	ST6GAL2	81814 base upstream	q12.3	AG	0.3114	0.803	0.0001874

2	rs13391600	106709532	ST6GAL2	80007 base upstream	q12.3	CT	0.3114	0.803	0.0001874
4	rs17148361	71114351	APIN	9470 base downstream	q13.3	CT	0.869	1.335	0.0001875
2	rs898457	106705890	ST6GAL2	83649 base upstream	q12.3	AG	0.6886	1.245	0.0001877
2	rs898456	106706061	ST6GAL2	83478 base upstream	q12.3	AG	0.3114	0.803	0.0001877
4	rs1530588	1712577	TACC3	intron 13	p16.3	AG	0.3494	1.258	0.0001882
21	rs4465860	16555455	C21orf34	intron 4	q21.1	CT	0.6042	0.818	0.0001885
5	rs11739531	40665104	PTGER4	50684 base upstream	p13.1	CT	0.3425	0.812	0.0001901
5	rs16869212	16935090	MYO10	intron 40	p15.1	AG	0.0667	1.455	0.0001901
2	rs1006472	106695948	ST6GAL2	93591 base upstream	q12.2	AC	0.6886	1.245	0.0001902
2	rs2698028	51635357	NRXN1	522179 base downstream	p16.3	CT	0.549	0.822	0.0001902
18	rs12961587	6394347	L3MBTL4	intron 19	p11.31	AG	0.545	1.23	0.0001904
5	rs7716982	40682317	PTGER4	33471 base upstream	p13.1	GT	0.3426	0.812	0.0001906
3	rs2918217	117029070	LSAMP	intron 1	q13.31	CT	0.8657	0.755	0.0001916
11	rs11042998	10857488	EIF4G2	70330 base downstream	p15.3	GT	0.1372	0.732	0.0001923
21	rs2251006	16555396	C21orf34	intron 4	q21.1	CT	0.3957	1.222	0.0001925
2	rs13001767	51625919	NRXN1	512741 base downstream	p16.3	GT	0.5323	0.821	0.0001927
1	rs1660382	212355741	PROX1	79358 base downstream	q41	AG	0.0322	1.726	0.000193
11	rs745231	11073168	GALNTL4	175833 base upstream	p15.3	CT	0.5474	1.219	0.0001948
2	rs1304771	123061530	TSN	819634 base downstream	q14.3	AG	0.6635	1.233	0.0001965
1	rs7512894	55469135	USP24	15785 base downstream	p32.3	AG	0.7906	0.782	0.0001969
2	rs10864879	123058863	TSN	816967 base downstream	q14.3	CG	0.6635	1.233	0.0001971
4	rs798761	1700924	TACC3	intron 4	p16.3	AG	0.3433	1.238	0.0001976
12	rs7136505	82308633	TMTC2	256439 base downstream	q21.31	AG	0.9678	0.566	0.000198
2	rs984521	133209220	NAP5	intron 4	q21.2	AG	0.3357	0.81	0.0001984
1	rs11264432	154309539	MEX3A	EXON 1	q22	AG	0.5681	0.813	0.0001992
6	rs6457109	30041240	HCG9	9630 base upstream	p21.33	CT	0.0635	1.522	0.0001995
4	rs2306445	71098553	APIN	intron 4	q13.3	AG	0.1309	0.75	0.0001999
5	rs1309540	64329326	SDCCAG10	intron 13	q12.3	AG	0.177	1.305	0.0002001
21	rs2823713	16555037	C21orf34	intron 4	q21.1	AT	0.3957	1.221	0.0002008
4	rs2854917	1690348	TMEM129	intron 2	p16.3	CT	0.3416	1.235	0.0002013
6	rs9362322	87197144	HTR1E	506984 base upstream	q14.3	AT	0.1776	1.295	0.0002021
2	rs1439838	123052210	TSN	810314 base downstream	q14.3	AT	0.3369	0.811	0.0002022
4	rs6824942	21227268	KCNIP4	intron 7	p15.31	CT	0.4933	0.821	0.0002024
1	rs241215	4503964	AJAP1	111000 base upstream	p36.32	AT	0.609	1.225	0.0002024
4	rs6848248	21227279	KCNIP4	intron 7	p15.31	AG	0.4933	0.821	0.0002027
11	rs2403431	10858797	EIF4G2	71639 base downstream	p15.3	AC	0.1376	0.735	0.0002028
4	rs2854916	1691146	TMEM129	intron 2	p16.3	AG	0.3416	1.235	0.0002035

4	rs13117892	21227551	KCNIP4	intron 7	p15.31	AT	0.4932	0.821	0.0002035
3	rs10933810	106415848	ALCAM	152554 base upstream	q13.11	CT	0.7986	1.284	0.0002035
4	rs10000010	21227772	KCNIP4	intron 7	p15.31	CT	0.4932	0.821	0.0002037
1	rs694935	4503184	AJAP1	111780 base upstream	p36.32	AT	0.609	1.225	0.0002042
2	rs2272315	123050723	TSN	808827 base downstream	q14.3	AG	0.3371	0.811	0.0002044
10	rs7900095	97109039	SORBS1	intron 11	q23.33	CT	0.6196	0.819	0.0002046
10	rs7079293	97109583	SORBS1	intron 11	q23.33	CT	0.6196	0.819	0.000205
10	rs2798920	30515649	PAPD1	126115 base upstream	p11.23	AG	0.3598	1.221	0.0002052
20	rs6116726	5209399	PROKR2	21287 base upstream	p12.3	CT	0.609	1.229	0.0002056
21	rs2823712	16554963	C21orf34	intron 4	q21.1	AG	0.3957	1.221	0.0002063
12	rs10506083	32214624	BICD1	intron 1	p11.21	AG	0.5852	1.239	0.0002072
10	rs2795863	30540273	PAPD1	101491 base upstream	p11.23	AG	0.6443	0.817	0.0002076
4	rs743569	1689418	TMEM129	intron 1	p16.3	GT	0.3414	1.234	0.0002077
10	rs2798906	30514592	PAPD1	127172 base upstream	p11.23	AG	0.3596	1.222	0.0002097
4	rs17148330	71093585	APIN	3247 base upstream	q13.3	AG	0.1309	0.751	0.0002097
1	rs1660381	212356390	PROX1	80007 base downstream	q41	CT	0.0318	1.711	0.0002102
10	rs2795859	30514493	PAPD1	127271 base upstream	p11.23	CT	0.6405	0.819	0.0002107
9	rs1467773	77922888	PCSK5	intron 9	q21.13	AG	0.8623	1.359	0.0002115
4	rs17148328	71088800	APIN	8032 base upstream	q13.3	CT	0.1309	0.751	0.0002146
17	rs4793818	51868565	ANKFN1	intron 7	q22	GT	0.2388	1.256	0.0002149
2	rs1405604	123070752	TSN	828856 base downstream	q14.3	AG	0.3576	0.815	0.000215
5	rs325538	104081546	NUDT12	1155157 base downstream	q21.2	AG	0.8233	0.772	0.0002152
14	rs7160795	82451964	SEL1L	1382078 base downstream	q31.1	CT	0.7323	0.796	0.0002155
3	rs11129156	24635868	THRB	124551 base downstream	p24.2	AG	0.7023	1.251	0.0002172
11	rs771377	10824525	EIF4G2	37367 base downstream	p15.3	CG	0.9253	1.452	0.0002175
12	rs17010837	82371672	TMTC2	319478 base downstream	q21.31	AG	0.032	1.76	0.000218
2	rs16844213	210787411	ACADL	intron 7	q34	CT	0.102	1.366	0.0002184
2	rs13415601	210788369	ACADL	intron 7	q34	AT	0.102	1.366	0.0002186
2	rs13009758	210810084	ACADL	11692 base downstream	q34	CT	0.102	1.366	0.0002193
2	rs1554006	111320584	ACOXL	intron 10	q13	AG	0.3063	1.239	0.0002196
11	rs2687489	10826485	EIF4G2	39327 base downstream	p15.3	AG	0.9253	1.451	0.0002199
2	rs10210955	111315753	ACOXL	intron 10	q13	CG	0.4815	0.824	0.00022
15	rs12442241	51195790	ONECUT1	326289 base downstream	q21.3	AT	0.8322	0.762	0.0002203
2	rs1509571	210781793	ACADL	intron 6	q34	CT	0.102	1.366	0.0002214
5	rs9312996	2527518	IRX2	272361 base upstream	p15.33	CG	0.6846	1.251	0.0002223
2	rs1509572	210781582	ACADL	intron 6	q34	AT	0.102	1.365	0.0002226
4	rs1825033	71136589	C4orf7	1034 base downstream	q13.3	AG	0.1309	0.752	0.0002227

2	rs263666	210816047	ACADL	17655 base downstream	q34	AG	0.8981	0.732	0.0002231
2	rs11563162	51632112	NRXN1	518934 base downstream	p16.3	AG	0.4933	1.225	0.0002233
2	rs1509568	210777256	ACADL	intron 4	q34	CT	0.898	0.732	0.0002235
2	rs6760874	210826755	ACADL	28363 base downstream	q34	CT	0.8981	0.732	0.0002237
11	rs7925687	10829758	EIF4G2	42600 base downstream	p15.3	CT	0.0747	0.689	0.0002241
3	rs4075988	24755270	THRB	243953 base downstream	p24.2	AG	0.8474	1.328	0.0002245
21	rs2823692	16548642	C21orf34	intron 4	q21.1	AC	0.609	0.814	0.0002252
4	rs3775747	71147532	CSN3	intron 2	q13.3	CT	0.1301	0.744	0.0002252
17	rs4794639	51825310	ANKFN1	intron 7	q22	AG	0.7525	0.797	0.0002263
1	rs1660380	212356402	PROX1	80019 base downstream	q41	AG	0.9686	0.59	0.0002265
1	rs1660378	212356865	PROX1	80482 base downstream	q41	CT	0.0313	1.696	0.0002268
4	rs1817460	71136840	C4orf7	1285 base downstream	q13.3	AT	0.1309	0.752	0.000227
2	rs263680	210775646	ACADL	intron 3	q34	AG	0.102	1.365	0.0002271
21	rs2823710	16554494	C21orf34	intron 4	q21.1	AG	0.6044	0.82	0.0002279
2	rs263681	210771597	ACADL	intron 3	q34	CG	0.102	1.365	0.0002279
2	rs2405635	128353695	MGC4268	intron 6	q14.3	AG	0.5892	0.822	0.0002282
20	rs6116721	5203078	PROKR2	27608 base upstream	p12.3	GT	0.3915	0.815	0.0002285
16	rs13330100	7338030	A2BP1	intron 4	p13.2	CT	0.8864	0.747	0.0002297
7	rs11979834	52115801	COBL	763811 base downstream	p12.1	AG	0.2274	0.794	0.0002298
2	rs2715081	51629318	NRXN1	516140 base downstream	p16.3	CT	0.531	0.824	0.0002302
7	rs6965611	52134879	COBL	782889 base downstream	p12.1	GT	0.2309	0.779	0.0002306
5	rs13178969	64299723	SDCCAG10	intron 11	q12.3	CT	0.1774	1.3	0.0002309
1	rs1440619	212357674	PROX1	81291 base downstream	q41	AG	0.0297	1.736	0.0002312
11	rs2232928	10831170	EIF4G2	44012 base downstream	p15.3	AG	0.9253	1.45	0.0002313
1	rs1660377	212356924	PROX1	80541 base downstream	q41	AT	0.0313	1.694	0.000232
2	rs7566163	128352457	MGC4268	intron 6	q14.3	AG	0.4107	1.216	0.0002324
1	rs1795037	212357165	PROX1	80782 base downstream	q41	AG	0.0313	1.694	0.0002324
2	rs6716836	210826582	ACADL	28190 base downstream	q34	AG	0.108	1.366	0.0002329
7	rs2953422	52131614	COBL	779624 base downstream	p12.1	AG	0.514	0.82	0.0002344
1	rs2556	206126982	CD34	EXON 1	q32.2	AG	0.0804	0.701	0.0002354
9	rs2185227	77923214	PCSK5	intron 9	q21.13	AG	0.8631	1.352	0.0002357
2	rs6548032	30841879	CAPN13	intron 18	p23.1	AG	0.3163	1.231	0.0002359
2	rs1155845	210762844	ACADL	intron 1	q34	CT	0.1019	1.364	0.000236
1	rs542688	4500481	AJAP1	114483 base upstream	p36.32	CG	0.3915	0.817	0.000237
10	rs2798907	30512779	PAPD1	128985 base upstream	p11.23	AG	0.64	0.819	0.0002375
2	rs4558528	210842791	MYL1	20322 base upstream	q34	AT	0.1018	1.367	0.0002378
17	rs7220133	51873068	ANKFN1	intron 8	q22	CT	0.2384	1.253	0.000238

1	rs498911	214171603	USH2A	intron 34	q41	AC	0.1585	0.76	0.0002382
2	rs1396830	210844857	MYL1	18256 base upstream	q34	AG	0.8982	0.732	0.0002384
21	rs2823709	16554235	C21orf34	intron 4	q21.1	AG	0.3955	1.218	0.0002385
21	rs2823725	16558862	C21orf34	intron 4	q21.1	AT	0.384	1.247	0.0002388
1	rs12568811	212358567	PROX1	82184 base downstream	q41	AG	0.9706	0.575	0.0002395
2	rs10445851	123052783	TSN	810887 base downstream	q14.3	GT	0.6435	1.225	0.0002413
1	rs592726	4499103	AJAP1	115861 base upstream	p36.32	CT	0.3916	0.817	0.0002413
22	rs4821368	33864933	RAXLX	51555 base downstream	q12.3	CG	0.7462	1.264	0.000243
15	rs4887337	86294466	NTRK3	intron 6	q25.3	AC	0.1054	1.369	0.0002435
10	rs2482828	30500212	KIAA1462	123406 base downstream	p11.23	AG	0.3581	1.225	0.0002437
21	rs9982468	32336948	HUNK	38701 base downstream	q22.11	CT	0.8505	1.324	0.0002437
2	rs1396831	210844923	MYL1	18190 base upstream	q34	AT	0.1017	1.367	0.0002439
13	rs7325881	89560729	GPC5	1288158 base upstream	q31.3	CT	0.1993	0.772	0.0002447
2	rs11563043	51630745	NRXN1	517567 base downstream	p16.3	CG	0.5453	0.825	0.0002451
4	rs4583737	154181234	KIAA1727	60936 base downstream	q31.3	AC	0.319	1.224	0.0002453
21	rs4381854	16553692	C21orf34	intron 4	q21.1	CT	0.6045	0.821	0.0002455
18	rs9948116	64676889	CCDC102B	intron 6	q22.1	AG	0.7248	0.809	0.0002457
7	rs6944484	157012904	PTPRN2	11611 base upstream	q36.3	AC	0.8832	1.364	0.0002464
2	rs2715084	51632158	NRXN1	518980 base downstream	p16.3	CT	0.4546	1.212	0.0002471
8	rs1457473	135194786	ZNF406	364427 base upstream	q24.22	AG	0.4644	1.211	0.0002475
5	rs17065434	164985118	MAT2B	2106215 base downstream	q34	CT	0.7715	0.793	0.0002479
2	rs999492	123048824	TSN	806928 base downstream	q14.3	AC	0.3572	0.817	0.0002482
4	rs2406144	154185069	KIAA1727	64771 base downstream	q31.3	CT	0.319	1.224	0.0002486
18	rs12969887	6392671	L3MBTL4	intron 19	p11.31	AC	0.5391	1.224	0.0002486
2	rs6752217	210419671	C2orf21	50155 base downstream	q34	GT	0.8891	0.734	0.0002489
4	rs908535	154187592	KIAA1727	67294 base downstream	q31.3	AG	0.6812	0.817	0.0002489
11	rs2232919	10832929	EIF4G2	45771 base downstream	p15.3	CT	0.0748	0.69	0.0002494
13	rs9588875	89566249	GPC5	1282638 base upstream	q31.3	AT	0.1992	0.772	0.0002501
11	rs2232918	10833019	EIF4G2	45861 base downstream	p15.3	AG	0.0748	0.69	0.0002507
13	rs9805500	89566889	GPC5	1281998 base upstream	q31.3	CT	0.8008	1.295	0.0002512
21	rs9974134	32329234	HUNK	30987 base downstream	q22.11	AC	0.1494	0.756	0.0002512
2	rs1527253	123048317	TSN	806421 base downstream	q14.3	CT	0.6426	1.224	0.0002514
2	rs2715086	51632225	NRXN1	519047 base downstream	p16.3	AT	0.4544	1.212	0.0002517
2	rs7574002	172832429	DLX2	156705 base downstream	q31.1	CT	0.3525	1.221	0.000252
2	rs10195812	123046194	TSN	804298 base downstream	q14.3	CT	0.3574	0.817	0.0002526
2	rs13425998	123045361	TSN	803465 base downstream	q14.3	CT	0.6425	1.224	0.0002535
11	rs2291840	9123690	RAB6IP1	intron 6	p15.4	AC	0.1693	1.28	0.0002539

21	rs1389071	16553672	C21orf34	intron 4	q21.1	AT	0.3955	1.217	0.0002542
3	rs6770162	24686017	THRB	174700 base downstream	p24.2	AG	0.5023	0.824	0.0002543
8	rs16905053	135108870	ZNF406	450343 base upstream	q24.22	AT	0.137	0.751	0.0002546
8	rs16905054	135109347	ZNF406	449866 base upstream	q24.22	AG	0.863	1.331	0.0002549
4	rs17029545	154191355	KIAA1727	71057 base downstream	q31.3	CT	0.3185	1.223	0.000255
17	rs980080	51864068	ANKFN1	intron 7	q22	CT	0.7615	0.799	0.0002566
2	rs2715088	51632332	NRXN1	519154 base downstream	p16.3	CT	0.4542	1.212	0.0002574
4	rs2412887	58862866	IGFBP7	1191570 base downstream	q12	AG	0.7211	1.237	0.0002577
2	rs1568213	98798495	MGC42367	intron 3	q11.2	AT	0.3719	1.24	0.0002577
2	rs2715089	51632624	NRXN1	519446 base downstream	p16.3	AC	0.4541	1.212	0.0002578
3	rs2972491	116985171	LSAMP	26668 base upstream	q13.31	AG	0.8687	0.738	0.000258
5	rs11134531	168144746	SLIT3	intron 24	q35.1	AG	0.5645	0.809	0.0002581
17	rs10852984	51864305	ANKFN1	intron 7	q22	AG	0.2384	1.252	0.0002583
6	rs2844833	29810185	HLA-F	7903 base downstream	p22.1	CG	0.8571	0.758	0.0002589
10	rs11015025	26606462	GAD2	intron 11	p12.1	CT	0.9003	1.381	0.0002589
1	rs608492	4497861	AJAP1	117103 base upstream	p36.32	CG	0.6082	1.223	0.0002592
1	rs4654974	21826881	RAP1GA1	intron 23	p36.12	CT	0.3787	0.813	0.0002593
5	rs3099592	2563027	IRX2	236852 base upstream	p15.33	AG	0.5632	1.224	0.0002594
2	rs9288414	210412445	C2orf21	42929 base downstream	q34	AC	0.1089	1.368	0.0002596
2	rs7574225	172832483	DLX2	156759 base downstream	q31.1	AG	0.6478	0.818	0.0002605
1	rs9426770	21828331	RAP1GA1	intron 23	p36.12	CG	0.3787	0.813	0.0002605
2	rs6754923	30855634	CAPN13	intron 21	p23.1	CG	0.3978	1.215	0.0002609
2	rs13028068	210418651	C2orf21	49135 base downstream	q34	GT	0.1107	1.36	0.0002614
5	rs10055939	2530430	IRX2	269449 base upstream	p15.33	GT	0.6923	1.245	0.0002615
4	rs2140072	58863520	IGFBP7	1192224 base downstream	q12	AG	0.7211	1.236	0.0002623
3	rs4131483	24666496	THRB	155179 base downstream	p24.2	AT	0.5275	1.213	0.0002624
7	rs221238	157015643	PTPRN2	8872 base upstream	q36.3	CT	0.1165	0.735	0.0002627
2	rs6759289	123043417	TSN	801521 base downstream	q14.3	AC	0.3393	0.815	0.0002629
1	rs11588634	150047310	RORC	intron 1	q21.3	AT	0.1325	0.724	0.0002635
7	rs9690478	52133795	COBL	781805 base downstream	p12.1	CG	0.2224	0.78	0.0002636
4	rs13148519	58861907	IGFBP7	1190611 base downstream	q12	AG	0.2789	0.809	0.0002637
2	rs10178425	210413138	C2orf21	43622 base downstream	q34	GT	0.8906	0.733	0.0002641
2	rs12386218	210418038	C2orf21	48522 base downstream	q34	CG	0.8893	0.735	0.0002648
21	rs1389073	16553507	C21orf34	intron 4	q21.1	GT	0.6046	0.822	0.0002651
2	rs7581875	123038464	TSN	796568 base downstream	q14.3	CT	0.3393	0.815	0.0002652
2	rs1527255	123038857	TSN	796961 base downstream	q14.3	AC	0.6607	1.227	0.0002652
2	rs766757	123037185	TSN	795289 base downstream	q14.3	CT	0.3393	0.815	0.0002652

2	rs6541834	123041003	TSN	799107 base downstream	q14.3	GT	0.3393	0.815	0.0002653
2	rs11122916	123042613	TSN	800717 base downstream	q14.3	CT	0.3393	0.815	0.0002653
4	rs11933359	58866156	IGFBP7	1194860 base downstream	q12	CT	0.2789	0.809	0.0002657
17	rs7213627	51862430	ANKFN1	intron 7	q22	GT	0.7619	0.799	0.0002659
1	rs11588258	150047352	RORC	intron 1	q21.3	AT	0.8676	1.381	0.0002659
2	rs4953986	133199169	NAP5	intron 1	q21.2	CT	0.6655	1.228	0.000266
6	rs12181054	30192566	TRIM31	3720 base downstream	p21.33	GT	0.0533	1.537	0.0002662
21	rs1389074	16553299	C21orf34	intron 4	q21.1	CT	0.6046	0.822	0.0002667
4	rs7690084	58860984	IGFBP7	1189688 base downstream	q12	AG	0.2789	0.809	0.0002669
2	rs2715077	51635788	NRXN1	522610 base downstream	p16.3	AC	0.4498	1.211	0.000267
1	rs1795036	212358932	PROX1	82549 base downstream	q41	AG	0.0289	1.741	0.0002673
2	rs17041560	30856523	CAPN13	intron 21	p23.1	AG	0.6024	0.823	0.0002679
6	rs7748376	6092415	F13A1	intron 1	p25.1	CG	0.8373	0.772	0.0002682
11	rs6484557	32220627	RCN1	136974 base downstream	p13	AC	0.3238	0.813	0.0002684
1	rs9426674	21829826	RAP1GA1	intron 23	p36.12	CG	0.3791	0.814	0.0002685
11	rs2418587	32220968	RCN1	137315 base downstream	p13	CT	0.3238	0.813	0.0002691
3	rs12639365	106423032	ALCAM	145370 base upstream	q13.11	AT	0.8191	1.312	0.0002694
2	rs2698026	51636011	NRXN1	522833 base downstream	p16.3	AG	0.4498	1.211	0.0002698
22	rs5755606	33869717	RAXLX	56339 base downstream	q12.3	CT	0.2557	0.803	0.0002699
4	rs11945898	58866253	IGFBP7	1194957 base downstream	q12	CT	0.7211	1.236	0.0002706
11	rs1033627	32223435	RCN1	139782 base downstream	p13	AG	0.3238	0.813	0.0002709
1	rs1795035	212358976	PROX1	82593 base downstream	q41	CT	0.9712	0.574	0.0002718
7	rs221242	157017352	PTPRN2	7163 base upstream	q36.3	AC	0.1163	0.736	0.0002722
11	rs1589596	10861334	EIF4G2	74176 base downstream	p15.3	GT	0.1397	0.75	0.0002724
2	rs9308638	123036498	TSN	794602 base downstream	q14.3	GT	0.6607	1.226	0.0002729
10	rs2488035	30497139	KIAA1462	120333 base downstream	p11.23	AC	0.358	1.225	0.0002739
5	rs10058639	2532184	IRX2	267695 base upstream	p15.33	AG	0.3078	0.804	0.0002742
4	rs2247341	1671115	SLBP	EXON 4	p16.3	AG	0.3404	1.225	0.0002747
2	rs263675	210745449	FLJ23861	1153 base downstream	q34	AG	0.8984	0.734	0.0002753
2	rs17021776	107791059	SLC5A7	178367 base upstream	q12.3	CT	0.0601	0.651	0.0002753
5	rs10075636	2532446	IRX2	267433 base upstream	p15.33	CT	0.6921	1.244	0.0002758
2	rs11692408	133201434	NAP5	intron 2	q21.2	AG	0.3344	0.815	0.000276
1	rs1795034	212359212	PROX1	82829 base downstream	q41	CT	0.0288	1.74	0.0002762
2	rs10183605	128358837	MGC4268	EXON 8	q14.3	CG	0.575	0.815	0.0002765
2	rs16843780	210417278	C2orf21	47762 base downstream	q34	CG	0.1105	1.357	0.0002766
7	rs221250	157023027	PTPRN2	1488 base upstream	q36.3	AG	0.8836	1.359	0.0002768
5	rs16869822	2532515	IRX2	267364 base upstream	p15.33	AG	0.6921	1.244	0.0002768

17	rs2215759	51856204	ANKFN1	intron 7	q22	AG	0.2387	1.251	0.0002773
11	rs4396289	9273306	TMEM41B	intron 5	p15.4	CT	0.1662	1.311	0.0002773
11	rs1115704	32219434	RCN1	135781 base downstream	p13	CT	0.6761	1.229	0.0002775
2	rs10188289	210416012	C2orf21	46496 base downstream	q34	AG	0.1105	1.357	0.0002781
2	rs7573865	123035921	TSN	794025 base downstream	q14.3	CG	0.6607	1.226	0.0002782
6	rs10947055	30201343	TRIM40	11145 base upstream	p21.33	CT	0.0531	1.534	0.0002793
11	rs10835876	32218732	RCN1	135079 base downstream	p13	AT	0.324	0.814	0.0002797
2	rs10490024	210415606	C2orf21	46090 base downstream	q34	AG	0.1105	1.357	0.0002798
2	rs6754455	30861183	CAPN13	intron 21	p23.1	CT	0.4	1.237	0.00028
2	rs10178675	210413593	C2orf21	44077 base downstream	q34	CG	0.8895	0.737	0.0002805
2	rs2090734	30860893	CAPN13	intron 21	p23.1	AT	0.3996	1.234	0.0002809
8	rs6586642	17655354	MTUS1	intron 13	p22	CT	0.1839	0.767	0.000281
4	rs3958122	1663729	SLBP	595 base upstream	p16.3	CT	0.6596	0.816	0.0002815
17	rs7218500	51884770	ANKFN1	intron 10	q22	CT	0.7463	0.804	0.0002815
9	rs4258076	19654081	SLC24A2	intron 9	p22.1	GT	0.6704	1.223	0.0002822
4	rs3733552	82333327	PRKG2	intron 17	q21.21	CG	0.947	0.642	0.0002829
2	rs1561552	123035471	TSN	793575 base downstream	q14.3	GT	0.6606	1.226	0.0002839
2	rs2950942	51639121	NRXN1	525943 base downstream	p16.3	CT	0.5502	0.826	0.0002846
11	rs2207820	32217307	RCN1	133654 base downstream	p13	AC	0.676	1.229	0.0002849
5	rs2240785	149561777	SLC6A7	intron 6	q33.1	CT	0.027	1.711	0.0002858
2	rs4973009	232169359	MGC35154	2123 base downstream	q37.1	AG	0.0895	1.413	0.0002862
2	rs11675229	30859743	CAPN13	intron 21	p23.1	CT	0.3983	1.223	0.000287
2	rs17010271	30860140	CAPN13	intron 21	p23.1	CT	0.3985	1.224	0.0002872
21	rs9977744	32322781	HUNK	24534 base downstream	q22.11	CT	0.149	0.758	0.0002872
4	rs17603347	58850166	IGFBP7	1178870 base downstream	q12	CT	0.7376	1.255	0.0002875
10	rs1977583	30512398	PAPD1	129366 base upstream	p11.23	AG	0.3591	1.218	0.0002881
2	rs4597573	30858680	CAPN13	intron 21	p23.1	CT	0.6029	0.824	0.0002881
3	rs7644196	24682368	THRB	171051 base downstream	p24.2	CG	0.4966	1.21	0.0002883
13	rs285669	76023588	KCTD12	328716 base upstream	q22.3	AG	0.6869	0.803	0.0002885
3	rs9876727	30335858	TGFBR2	287139 base upstream	p24.1	AC	0.4024	0.823	0.0002885
3	rs9876671	30335640	TGFBR2	287357 base upstream	p24.1	AG	0.4024	0.823	0.0002887
11	rs11043009	10881592	EIF4G2	94434 base downstream	p15.3	CT	0.8634	1.355	0.0002887
12	rs12366571	94738697	NTN4	30030 base downstream	q22	AC	0.7292	0.81	0.0002892
21	rs2823705	16553084	C21orf34	intron 4	q21.1	AG	0.6047	0.823	0.0002902
3	rs17787397	24683078	THRB	171761 base downstream	p24.2	CT	0.4966	1.21	0.0002904
14	rs7152314	55245765	KTN1	24718 base downstream	q22.3	CT	0.8976	0.727	0.0002909
2	rs4597574	30858801	CAPN13	intron 21	p23.1	CT	0.6029	0.824	0.000291

11	rs7109202	32216841	RCN1	133188 base downstream	p13	CT	0.676	1.228	0.0002911
5	rs16902590	13526523	DNAH5	216913 base upstream	p15.2	CT	0.9206	0.695	0.0002915
10	rs2795858	30512209	PAPD1	129555 base upstream	p11.23	AG	0.641	0.821	0.0002926
11	rs1884382	32216421	RCN1	132768 base downstream	p13	AG	0.6759	1.228	0.0002935
3	rs6781057	30330791	TGFBR2	292206 base upstream	p24.1	GT	0.4023	0.824	0.0002944
14	rs8015301	55246211	KTN1	25164 base downstream	q22.3	CT	0.8978	0.728	0.0002946
3	rs6780847	30330534	TGFBR2	292463 base upstream	p24.1	CT	0.4023	0.824	0.0002948
2	rs6548034	30858988	CAPN13	intron 21	p23.1	AG	0.3971	1.214	0.0002953
4	rs8051	1664607	SLBP	EXON 1	p16.3	CT	0.3306	1.23	0.0002965
1	rs241220	4508064	AJAP1	106900 base upstream	p36.32	AG	0.6199	1.217	0.0002966
21	rs2823704	16553023	C21orf34	intron 4	q21.1	CT	0.3953	1.215	0.0002973
5	rs2240787	149561988	SLC6A7	intron 6	q33.1	CT	0.9731	0.583	0.0002983
1	rs4916005	65081975	JAK1	intron 8	p31.3	CT	0.126	0.744	0.0002984
4	rs2030549	171427766	AADAT	179819 base downstream	q33	AT	0.9756	0.547	0.0002992
17	rs9913702	51893701	ANKFN1	intron 13	q22	CT	0.7458	0.805	0.0002996
2	rs7588418	172835915	DLX2	160191 base downstream	q31.1	CT	0.3511	1.225	0.0002999
7	rs4473990	52130574	COBL	778584 base downstream	p12.1	AG	0.2237	0.783	0.0003
1	rs12093269	65104374	JAK1	intron 18	p31.3	CT	0.8575	1.355	0.0003
3	rs6767967	24683878	THRB	172561 base downstream	p24.2	AG	0.4966	1.21	0.0003
2	rs12619351	46197239	PRKCE	intron 11	p21	GT	0.2335	0.79	0.0003006
17	rs1548809	51894034	ANKFN1	intron 13	q22	CT	0.2542	1.242	0.000301
2	rs1533295	111314462	ACOXL	intron 9	q13	AG	0.6698	0.816	0.0003025
3	rs11129397	30329364	TGFBR2	293633 base upstream	p24.1	CT	0.5976	1.214	0.0003033
6	rs10947056	30203582	TRIM40	8906 base upstream	p21.33	CG	0.9472	0.654	0.0003049
5	rs2240791	149562853	SLC6A7	intron 8	q33.1	AG	0.0268	1.719	0.0003062
14	rs2880396	55246612	KTN1	25565 base downstream	q22.3	AC	0.1013	1.367	0.0003063
12	rs1492348	87460779	KITLG	intron 8	q21.32	AG	0.9489	0.645	0.000307
6	rs9401370	121495669	C6orf170	intron 8	q22.31	AT	0.8094	0.789	0.0003073
3	rs7641936	63489216	SYNPR	intron 2	p14.2	CT	0.807	1.277	0.0003076
6	rs9375002	121498592	C6orf170	intron 8	q22.31	AC	0.1906	1.267	0.0003077
2	rs1528816	51628765	NRXN1	515587 base downstream	p16.3	AG	0.4752	1.208	0.0003078
2	rs4953987	133207895	NAP5	intron 4	q21.2	AG	0.3341	0.816	0.000308
20	rs2038410	5197302	PROKR2	33384 base upstream	p12.3	CT	0.559	1.219	0.0003082
2	rs1528815	51628777	NRXN1	515599 base downstream	p16.3	CG	0.4752	1.208	0.0003084
4	rs17520678	71146872	CSN3	intron 2	q13.3	AC	0.8738	1.335	0.0003085
21	rs2823703	16552797	C21orf34	intron 4	q21.1	CG	0.6047	0.824	0.0003086
3	rs6809482	30328416	TGFBR2	294581 base upstream	p24.1	AG	0.4024	0.824	0.0003087

22	rs1473816	33862734	RAXLX	49356 base downstream	q12.3	AG	0.7479	1.264	0.0003089
2	rs1358580	51626532	NRXN1	513354 base downstream	p16.3	AG	0.5243	0.828	0.0003089
5	rs275829	64017230	P18SRP	32505 base upstream	q12.3	AT	0.5241	0.816	0.0003094
15	rs17545973	51288845	WDR72	304384 base upstream	q21.3	CT	0.8311	0.772	0.00031
4	rs1402960	58871935	IGFBP7	1200639 base downstream	q12	AG	0.2791	0.811	0.0003101
17	rs12945850	51900513	ANKFN1	intron 14	q22	CT	0.2543	1.242	0.0003101
2	rs2698031	51626312	NRXN1	513134 base downstream	p16.3	AG	0.5242	0.828	0.0003105
10	rs3814160	47991283	ZNF488	EXON 2	q11.22	CT	0.864	0.743	0.0003121
3	rs9848074	63489025	SYNPR	intron 2	p14.2	CG	0.807	1.277	0.0003134
21	rs239010	16551998	C21orf34	intron 4	q21.1	AG	0.3953	1.214	0.0003145
2	rs9308637	123031511	TSN	789615 base downstream	q14.3	CT	0.3394	0.817	0.0003148
18	rs9962491	64661900	CCDC102B	intron 5	q22.1	CT	0.7177	0.807	0.0003149
4	rs4149	82337376	PRKG2	intron 17	q21.21	CT	0.9472	0.642	0.0003152
3	rs11921529	63488625	SYNPR	intron 2	p14.2	AG	0.193	0.783	0.0003171
7	rs4498494	52130379	COBL	778389 base downstream	p12.1	AG	0.776	1.275	0.0003172
2	rs3791259	134734535	MGAT5	intron 1	q21.2	CT	0.957	0.624	0.0003176
2	rs7592480	30844445	CAPN13	intron 18	p23.1	AG	0.3086	1.224	0.0003178
4	rs1849717	71146110	CSN3	intron 2	q13.3	CT	0.8686	1.32	0.0003182
2	rs1080548	123024644	TSN	782748 base downstream	q14.3	CT	0.3395	0.817	0.0003183
5	rs275828	64018562	P18SRP	31173 base upstream	q12.3	AG	0.5325	0.821	0.0003199
2	rs13003439	30843832	CAPN13	intron 18	p23.1	GT	0.3086	1.223	0.0003207
1	rs10789166	65085401	JAK1	intron 12	p31.3	AG	0.8738	1.342	0.0003212
2	rs1528817	51625061	NRXN1	511883 base downstream	p16.3	AG	0.5236	0.829	0.0003213
8	rs10888095	14906785	SGCZ	intron 7	p22	AC	0.5213	1.208	0.0003216
5	rs325571	104090005	NUDT12	1163616 base downstream	q21.2	AG	0.1787	1.289	0.0003223
2	rs1919434	51624921	NRXN1	511743 base downstream	p16.3	CT	0.4764	1.207	0.0003224
3	rs6793060	24671288	THRB	159971 base downstream	p24.2	AG	0.5157	1.208	0.0003224
14	rs12432019	55248459	KTN1	27412 base downstream	q22.3	CG	0.1006	1.361	0.0003226
2	rs10201094	123022799	TSN	780903 base downstream	q14.3	CG	0.3392	0.816	0.0003226
14	rs12431962	55248246	KTN1	27199 base downstream	q22.3	AG	0.1006	1.361	0.0003227
14	rs11621130	55251053	KTN1	30006 base downstream	q22.3	CT	0.8995	0.735	0.0003239
21	rs2823702	16551609	C21orf34	intron 4	q21.1	AG	0.6048	0.824	0.0003245
4	rs17089214	58848803	IGFBP7	1177507 base downstream	q12	CT	0.2791	0.812	0.000325
3	rs6770081	63488445	SYNPR	intron 2	p14.2	AG	0.807	1.276	0.0003258
5	rs11952402	13544938	DNAH5	198498 base upstream	p15.2	CT	0.0863	1.407	0.0003268
3	rs6549981	30323764	TGFBR2	299233 base upstream	p24.1	CT	0.5976	1.213	0.0003268
5	rs6877519	2516858	IRX2	283021 base upstream	p15.33	AG	0.6143	1.233	0.0003273

10	rs6584994	112308514	CSPG6	8924 base upstream	q25.2	CG	0.6995	0.81	0.0003278
21	rs2823700	16550664	C21orf34	intron 4	q21.1	CG	0.3952	1.213	0.0003286
8	rs1125265	14907805	SGCZ	intron 7	p22	CT	0.4786	0.828	0.000329
17	rs2110200	51775701	ANKFN1	intron 3	q22	GT	0.2915	1.235	0.0003302
2	rs2091427	123023527	TSN	781631 base downstream	q14.3	CG	0.3393	0.818	0.0003302
4	rs1517547	82312214	PRKG2	intron 16	q21.21	CT	0.9358	0.683	0.0003308
4	rs1546651	82313069	PRKG2	intron 16	q21.21	CT	0.9357	0.683	0.0003311
2	rs10171434	64133110	VPS54	33392 base downstream	p14	CT	0.93	0.703	0.0003314
4	rs1972127	82313093	PRKG2	intron 16	q21.21	AG	0.0643	1.464	0.0003314
4	rs11933194	82313570	PRKG2	intron 16	q21.21	CT	0.9357	0.683	0.0003315
21	rs239009	16549874	C21orf34	intron 4	q21.1	AG	0.3991	1.218	0.0003316
1	rs7555006	51252846	CDKN2C	39951 base downstream	p33	AG	0.5919	1.217	0.0003316
11	rs16908503	10869437	EIF4G2	82279 base downstream	p15.3	AG	0.8591	1.316	0.0003319
15	rs1836592	86265806	NTRK3	intron 3	q25.3	AT	0.1895	0.78	0.0003323
1	rs2615060	223940235	ENAH	32767 base downstream	q42.12	AC	0.2361	1.244	0.0003332
5	rs2279170	40303687	PTGER4	412101 base upstream	p13.1	CT	0.3584	1.217	0.0003333
4	rs3943629	82314024	PRKG2	intron 16	q21.21	AT	0.9357	0.683	0.0003334
2	rs3769450	200960600	LOC26010	intron 2	q33.1	AG	0.6156	1.237	0.0003339
5	rs182149	64028945	P18SRP	20790 base upstream	q12.3	CT	0.4663	1.207	0.0003343
3	rs11928896	63487802	SYNPR	intron 2	p14.2	AG	0.807	1.275	0.0003344
19	rs7248564	17338318	PLVAP	intron 5	p13.11	CT	0.5478	1.213	0.0003346
10	rs10763789	19333212	ARL5B	326266 base downstream	p12.33	CG	0.8328	1.288	0.0003351
3	rs6807571	144997632	SLC9A9	intron 13	q24	AG	0.1698	1.296	0.0003368
2	rs10180446	111318413	ACOXL	intron 10	q13	CG	0.3259	1.22	0.0003369
11	rs10840506	10865614	EIF4G2	78456 base downstream	p15.3	CT	0.1412	0.76	0.0003371
10	rs2488034	30494239	KIAA1462	117433 base downstream	p11.23	AG	0.3578	1.223	0.0003381
17	rs9899359	51850895	ANKFN1	intron 7	q22	CG	0.2384	1.247	0.0003381
3	rs7643926	24682097	THRB	170780 base downstream	p24.2	CT	0.5712	1.211	0.0003384
10	rs2779068	30543585	PAPD1	98179 base upstream	p11.23	GT	0.3596	1.217	0.0003389
10	rs17457528	48000055	RBP3	1439 base upstream	q11.22	AG	0.8641	0.747	0.0003396
10	rs2505109	30508511	KIAA1462	131705 base downstream	p11.23	CT	0.642	0.824	0.0003399
20	rs363012	10167799	SNAP25	intron 1	p12.2	AG	0.6695	0.818	0.0003403
3	rs1495579	30322358	TGFBR2	300639 base upstream	p24.1	GT	0.5975	1.212	0.0003411
2	rs13019266	111321113	ACOXL	intron 10	q13	CT	0.6746	0.82	0.0003412
12	rs17581242	115328821	FLJ42957	126788 base upstream	q24.22	GT	0.1495	1.307	0.0003413
21	rs2823699	16550560	C21orf34	intron 4	q21.1	CT	0.6048	0.825	0.0003414
3	rs11706302	144996927	SLC9A9	intron 13	q24	AG	0.8303	0.773	0.0003416

2	rs3791266	134735206	MGAT5	intron 1	q21.2	CG	0.957	0.626	0.0003419
2	rs2698022	51641486	NRXN1	528308 base downstream	p16.3	AC	0.4496	1.207	0.0003422
5	rs283612	73286248	RGNEF	42964 base downstream	q13.2	CT	0.3823	0.825	0.0003426
4	rs1545287	82314170	PRKG2	intron 16	q21.21	AG	0.0642	1.465	0.0003428
5	rs275832	64029942	P18SRP	19793 base upstream	q12.3	AG	0.4662	1.206	0.0003432
10	rs2689216	30543961	PAPD1	97803 base upstream	p11.23	AG	0.6404	0.822	0.0003443
13	rs9533862	43932814	TSC22D1	intron 2	q14.11	CG	0.0266	0.511	0.0003455
1	rs12407862	110903737	KCNA10	40417 base downstream	p13.3	CT	0.8143	0.785	0.000346
12	rs10777108	87284400	KITLG	126299 base upstream	q21.32	AC	0.035	1.688	0.0003464
4	rs11722020	82302241	PRKG2	intron 13	q21.21	CT	0.0639	1.463	0.0003466
3	rs6766087	63490780	SYNPR	intron 2	p14.2	CT	0.1929	0.786	0.0003474
3	rs7617487	63487061	SYNPR	intron 2	p14.2	GT	0.193	0.785	0.0003486
4	rs6828114	82301012	PRKG2	intron 13	q21.21	CT	0.0639	1.462	0.000349
10	rs17104653	124863434	HMX3	22122 base upstream	q26.13	CG	0.9563	1.692	0.0003491
5	rs283615	73286880	RGNEF	43596 base downstream	q13.2	AT	0.3824	0.825	0.0003494
2	rs9917154	111323062	ACOXL	intron 10	q13	CG	0.6753	0.82	0.0003499
21	rs9808741	16550380	C21orf34	intron 4	q21.1	GT	0.3952	1.212	0.0003501
16	rs7205094	47661065	CBLN1	209136 base upstream	q12.1	GT	0.4524	0.821	0.0003501
3	rs6777474	63490926	SYNPR	intron 2	p14.2	AG	0.8069	1.273	0.0003506
3	rs6800578	144995427	SLC9A9	intron 12	q24	CT	0.8306	0.774	0.0003506
5	rs283616	73287077	RGNEF	43793 base downstream	q13.2	CG	0.3824	0.825	0.0003509
11	rs1884379	32216036	RCN1	132383 base downstream	p13	GT	0.3244	0.816	0.0003514
6	rs2129857	94775217	EPHA7	589224 base downstream	q16.1	CT	0.4326	1.214	0.0003514
4	rs3733550	82292319	PRKG2	intron 12	q21.21	CT	0.9361	0.684	0.0003515
20	rs1847326	47379153	KCNB1	42758 base upstream	q13.13	AC	0.0742	1.455	0.0003516
2	rs3828175	134735267	MGAT5	intron 1	q21.2	AG	0.957	0.626	0.0003517
5	rs283618	73287272	RGNEF	43988 base downstream	q13.2	AT	0.3824	0.825	0.0003542
2	rs11695611	123031238	TSN	789342 base downstream	q14.3	CT	0.3592	0.822	0.0003544
6	rs9462696	41399102	NCR2	12403 base upstream	p21.1	AT	0.4472	0.822	0.0003548
6	rs9471555	41398747	NCR2	12758 base upstream	p21.1	CT	0.4472	0.822	0.0003553
21	rs2823696	16549688	C21orf34	intron 4	q21.1	AT	0.3945	1.215	0.0003568
21	rs2823697	16550037	C21orf34	intron 4	q21.1	CT	0.3946	1.215	0.0003569
15	rs1381112	86366855	NTRK3	intron 6	q25.3	AG	0.875	0.755	0.0003569
2	rs7576541	111323872	ACOXL	intron 10	q13	CT	0.324	1.22	0.0003573
6	rs9401367	121445811	C6orf170	intron 1	q22.31	CT	0.8054	0.791	0.0003577
3	rs2121775	144994842	SLC9A9	intron 12	q24	AG	0.8308	0.775	0.0003578
5	rs6874889	13551578	DNAH5	191858 base upstream	p15.2	AG	0.0863	1.401	0.0003585

5	rs4867939	168156259	SLIT3	intron 27	q35.1	CT	0.5417	1.213	0.0003597
11	rs10767925	32215762	RCN1	132109 base downstream	p13	AG	0.6756	1.224	0.0003614
10	rs955760	97113875	SORBS1	intron 11	q23.33	AG	0.5661	0.827	0.0003626
3	rs10935083	134936517	TF	11407 base upstream	q22.1	CT	0.0472	1.527	0.0003629
3	rs1495578	30322459	TGFBR2	300538 base upstream	p24.1	AG	0.4107	0.824	0.0003642
2	rs1528814	51629015	NRXN1	515837 base downstream	p16.3	CT	0.4817	1.208	0.0003652
3	rs16854336	144993002	SLC9A9	intron 12	q24	CT	0.8304	0.774	0.0003659
4	rs10516650	82315844	PRKG2	intron 17	q21.21	AC	0.064	1.466	0.0003659
13	rs9506821	21759295	FGF9	585111 base downstream	q12.11	AG	0.5909	0.822	0.0003665
18	rs12961437	48360097	DCC	intron 1	q21.2	GT	0.1554	0.766	0.0003684
2	rs3828176	134738798	MGAT5	intron 1	q21.2	AT	0.9568	0.627	0.0003691
18	rs11665228	48349538	DCC	intron 1	q21.2	CT	0.1554	0.767	0.0003695
6	rs12202131	30221529	TRIM40	intron 1	p21.33	AT	0.0512	1.521	0.0003701
4	rs10025532	174752942	MORF4	20720 base upstream	q34.1	AG	0.6865	0.807	0.0003707
7	rs17143423	20862587	SP8	69557 base downstream	p15.3	AG	0.83	0.769	0.0003718
18	rs9965853	6392126	L3MBTL4	intron 19	p11.31	CT	0.5403	1.22	0.0003726
6	rs6913743	157077339	ARID1B	63438 base upstream	q25.3	AG	0.948	0.662	0.0003729
3	rs17068905	63485884	SYNPR	intron 2	p14.2	CT	0.807	1.272	0.0003735
18	rs12964400	48306360	DCC	intron 1	q21.2	AG	0.8431	1.307	0.0003747
12	rs10847348	126490295	SLC15A4	1353420 base upstream	q24.32	CT	0.7422	1.24	0.0003751
3	rs4392438	22537241	UBE2E2	682570 base upstream	p24.3	CT	0.7317	0.795	0.0003757
14	rs12587803	55252880	KTN1	31833 base downstream	q22.3	AG	0.0999	1.359	0.0003763
8	rs11136431	1778840	ARHGEF10	intron 1	p23.3	CT	0.4378	1.213	0.0003777
5	rs183917	64047836	P18SRP	1899 base upstream	q12.3	CT	0.5342	0.831	0.0003783
2	rs1919432	51644950	NRXN1	531772 base downstream	p16.3	CT	0.5505	0.83	0.0003796
6	rs9351097	87194834	HTR1E	509294 base upstream	q14.3	GT	0.8413	0.776	0.0003806
10	rs7901527	112303893	CSPG6	13545 base upstream	q25.2	AG	0.6983	0.816	0.0003807
3	rs2944404	117034860	LSAMP	intron 1	q13.31	AG	0.0718	1.434	0.000382
11	rs12287573	32214720	RCN1	131067 base downstream	p13	CT	0.6755	1.223	0.0003825
1	rs7515605	81202644	LPN2	836025 base upstream	p31.1	AG	0.1668	0.766	0.0003828
10	rs17104648	124859893	HMX3	25663 base upstream	q26.13	CG	0.9564	1.659	0.000383
2	rs6711988	105447178	FHL2	25786 base downstream	q12.2	CT	0.0735	1.47	0.0003836
4	rs10516651	82316475	PRKG2	intron 17	q21.21	CT	0.9361	0.682	0.0003839
3	rs16840751	134933123	TF	14801 base upstream	q22.1	AG	0.0477	1.517	0.0003843
3	rs12233446	144993820	SLC9A9	intron 12	q24	CT	0.8315	0.779	0.0003844
21	rs2205205	40071834	LOC150084	intron 4	q22.2	AG	0.3174	1.219	0.000387
8	rs10888094	14906737	SGCZ	intron 7	p22	AG	0.5226	1.205	0.0003871

1	rs9426771	21831326	RAP1GA1	intron 23	p36.12	GT	0.5861	1.221	0.0003872
4	rs2073503	3505974	LRPAP1	2032 base downstream	p16.2	CG	0.6918	1.222	0.0003875
5	rs10061059	175193656	CPLX2	intron 2	q35.2	AG	0.2175	0.796	0.0003886
2	rs13385109	105446439	FHL2	25047 base downstream	q12.2	AT	0.9264	0.677	0.0003889
1	rs1660375	212361177	PROX1	84794 base downstream	q41	AG	0.0278	1.721	0.000389
2	rs1045832	128337564	MGC4268	EXON 1	q14.3	AG	0.59	0.827	0.0003893
2	rs3791270	134738836	MGAT5	intron 1	q21.2	AG	0.9567	0.629	0.0003897
2	rs9989768	105447653	FHL2	26261 base downstream	q12.2	CT	0.0731	1.47	0.0003897
11	rs1155855	32214418	RCN1	130765 base downstream	p13	AG	0.3245	0.818	0.0003907
2	rs1356424	98792270	MGC42367	intron 3	q11.2	CT	0.6266	0.812	0.0003913
4	rs6552548	183404530	ODZ3	77600 base upstream	q35.1	AC	0.6697	1.228	0.0003914
2	rs3791271	134738884	MGAT5	intron 1	q21.2	CT	0.0433	1.59	0.0003925
6	rs13190874	15935221	DTNBP1	163971 base downstream	p22.3	CT	0.131	1.316	0.0003932
3	rs11715340	134917507	TF	30417 base upstream	q22.1	AT	0.0484	1.516	0.0003942
1	rs6671533	55443484	USP24	intron 64	p32.3	CG	0.2111	1.271	0.0003943
3	rs6775133	63485004	SYNPR	intron 2	p14.2	AG	0.807	1.271	0.0003953
10	rs2795857	30512070	PAPD1	129694 base upstream	p11.23	CG	0.3579	1.212	0.0003968
13	rs9533877	43970674	TSC22D1	intron 2	q14.11	AG	0.0268	0.515	0.000398
17	rs1442831	51907580	ANKFN1	intron 14	q22	AT	0.2532	1.237	0.0003984
17	rs8070836	51908311	ANKFN1	intron 14	q22	CT	0.7468	0.809	0.0003988
17	rs11653462	51911802	ANKFN1	intron 15	q22	GT	0.7468	0.809	0.0003998
3	rs1390298	30319780	RBMS3	298157 base downstream	p24.1	CT	0.5973	1.21	0.0003999
9	rs497510	91833463	GADD45G	422176 base downstream	q22.2	GT	0.5306	1.204	0.0004003
12	rs4761007	126490843	SLC15A4	1352872 base upstream	q24.32	CT	0.2676	0.802	0.0004014
6	rs2523386	29819726	HLA-F	17444 base downstream	p22.1	AG	0.1634	1.281	0.0004033
16	rs1345408	47680675	CBLN1	189526 base upstream	q12.1	CG	0.4633	0.829	0.000404
2	rs2937600	155411014	KCNJ3	intron 2	q24.1	AG	0.7094	1.227	0.0004041
11	rs1155856	32214070	RCN1	130417 base downstream	p13	AG	0.6754	1.222	0.0004048
21	rs7278733	40073319	LOC150084	intron 5	q22.2	AG	0.6826	0.821	0.0004048
2	rs1900132	155411314	KCNJ3	intron 2	q24.1	AG	0.7094	1.227	0.0004049
1	rs17123324	62513884	ANKRD38	intron 8	p31.3	AG	0.0175	2.165	0.0004072
1	rs898386	202846320	LRRN5	6607 base upstream	q32.1	AG	0.308	1.224	0.0004072
3	rs13067087	63483291	SYNPR	intron 2	p14.2	AT	0.8072	1.278	0.0004076
1	rs898387	202845996	LRRN5	6931 base upstream	q32.1	AG	0.6919	0.817	0.0004084
2	rs4851165	98851853	MGC42367	intron 9	q11.2	CT	0.94	0.672	0.0004086
2	rs13025854	232149419	MGC35154	16436 base upstream	q37.1	AC	0.9163	0.717	0.0004089
3	rs2202492	63482702	SYNPR	intron 2	p14.2	CT	0.1928	0.782	0.0004091

2	rs6735741	134739376	MGAT5	intron 1	q21.2	AG	0.9566	0.63	0.0004092
8	rs16893344	134275461	WISP1	intron 1	q24.22	CT	0.646	1.214	0.0004097
10	rs2505110	30510906	PAPD1	130858 base upstream	p11.23	AG	0.3578	1.211	0.00041
6	rs4712261	15943835	DTNBP1	172585 base downstream	p22.3	CT	0.8687	0.762	0.0004102
3	rs2221476	63482584	SYNPR	intron 2	p14.2	AG	0.8072	1.28	0.0004107
6	rs730858	29818607	HLA-F	16325 base downstream	p22.1	AG	0.1634	1.281	0.0004116
1	rs7537835	81205753	LPHN2	832916 base upstream	p31.1	AG	0.6262	1.216	0.0004116
6	rs13218971	15938880	DTNBP1	167630 base downstream	p22.3	CT	0.8687	0.762	0.0004119
2	rs1609361	51645727	NRXN1	532549 base downstream	p16.3	AG	0.5505	0.831	0.0004123
1	rs2184484	116602943	ATP1A1	114415 base upstream	p13.1	AG	0.6625	0.821	0.0004126
6	rs4712260	15935963	DTNBP1	164713 base downstream	p22.3	AG	0.1313	1.313	0.0004135
13	rs2038711	21757408	FGF9	583224 base downstream	q12.11	CT	0.6109	0.827	0.000414
5	rs10475154	2532789	IRX2	267090 base upstream	p15.33	GT	0.3222	0.814	0.0004142
2	rs3791276	134741186	MGAT5	intron 1	q21.2	AC	0.9565	0.63	0.0004147
13	rs9533885	43987160	TSC22D1	intron 2	q14.11	AG	0.9731	1.937	0.0004147
5	rs6859797	104016997	NUDT12	1090608 base downstream	q21.2	AC	0.1646	1.287	0.0004148
12	rs10751692	130809881	SFRS8	intron 11	q24.33	CT	0.3825	0.829	0.0004153
12	rs3741526	130806294	SFRS8	intron 10	q24.33	CT	0.6178	1.207	0.0004157
6	rs2517938	29817819	HLA-F	15537 base downstream	p22.1	CT	0.1634	1.281	0.000416
2	rs3791275	134741150	MGAT5	intron 1	q21.2	AG	0.9565	0.631	0.0004163
2	rs10182727	232148981	MGC35154	16874 base upstream	q37.1	AT	0.0839	1.391	0.0004171
14	rs6571636	33759807	C14orf147	212088 base upstream	q13.1	AG	0.6052	1.211	0.0004173
6	rs9468692	30227869	TRIM10	EXON 1	p21.33	GT	0.9492	0.66	0.0004183
3	rs3844271	146903072	PLOD2	366845 base upstream	q24	AG	0.5353	0.816	0.000419
2	rs3791273	134740952	MGAT5	intron 1	q21.2	CG	0.0435	1.585	0.00042
2	rs333238	107970060	SLC5A7	intron 1	q12.3	AG	0.1965	0.781	0.0004201
10	rs1571957	30509940	PAPD1	131824 base upstream	p11.23	CT	0.3577	1.21	0.000422
5	rs10075967	64055597	P18SRP	EXON 1	q12.3	CT	0.4704	1.203	0.0004221
5	rs1863931	175189132	CPLX2	intron 2	q35.2	AG	0.2164	0.795	0.000423
6	rs2743950	29817265	HLA-F	14983 base downstream	p22.1	CT	0.8366	0.781	0.0004231
2	rs333236	107970399	SLC5A7	intron 1	q12.3	AG	0.8035	1.28	0.0004235
21	rs11701807	17230025	C21orf34	328612 base downstream	q21.1	CT	0.2592	1.24	0.0004237
3	rs7614676	63482284	SYNPR	intron 2	p14.2	AG	0.8074	1.287	0.000425
2	rs1528812	51646842	NRXN1	533664 base downstream	p16.3	CG	0.4493	1.203	0.0004269
2	rs6736839	133195447	NAP5	intron 1	q21.2	CT	0.5591	1.205	0.0004277
6	rs9468693	30228616	TRIM10	EXON 1	p21.33	CT	0.0507	1.515	0.0004281
3	rs7629687	30361546	TGFBR2	261451 base upstream	p24.1	AT	0.3903	0.823	0.0004283

4	rs10003341	82316801	PRKG2	intron 17	q21.21	AC	0.9364	0.681	0.0004296
10	rs17103522	124167869	PLEKHA1	intron 8	q26.13	CT	0.1307	0.741	0.0004321
13	rs9583775	89501299	GPC5	1347588 base upstream	q31.3	AG	0.1887	0.789	0.0004344
1	rs309543	23097909	EPHB2	intron 9	p36.12	AG	0.3566	1.208	0.000435
8	rs7012406	135219115	ZNF406	340098 base upstream	q24.22	AT	0.5239	0.834	0.0004351
15	rs17545046	51189302	ONECUT1	319801 base downstream	q21.3	AG	0.1714	1.297	0.0004355
15	rs10438404	36725309	FLJ35695	50781 base upstream	q14	GT	0.4019	0.831	0.0004365
6	rs13211010	15945269	DTNBP1	174019 base downstream	p22.3	CT	0.1313	1.311	0.0004367
9	rs12237890	119033609	ASTN2	intron 20	q33.1	AT	0.0572	1.501	0.0004369
11	rs11031664	32223969	RCN1	140316 base downstream	p13	CT	0.6829	1.241	0.0004376
6	rs2517941	29816396	HLA-F	14114 base downstream	p22.1	CG	0.8366	0.782	0.0004385
10	rs4565845	124149040	PLEKHA1	intron 3	q26.13	AC	0.8688	1.347	0.0004404
17	rs759107	51764470	ANKFN1	intron 3	q22	AG	0.2953	1.227	0.0004425
15	rs3923022	36725830	FLJ35695	50260 base upstream	q14	AG	0.5982	1.203	0.0004439
9	rs1335405	119032843	ASTN2	intron 20	q33.1	CT	0.9428	0.666	0.0004444
2	rs10498258	232145603	MGC35154	20252 base upstream	q37.1	AG	0.0843	1.383	0.000445
7	rs10256394	52086483	COBL	734493 base downstream	p12.1	CT	0.2252	0.802	0.0004455
2	rs6727830	232144608	MGC35154	21247 base upstream	q37.1	AG	0.9158	0.723	0.000446
10	rs17103488	124144159	PLEKHA1	intron 2	q26.13	CT	0.1315	0.743	0.000446
11	rs355220	41020808	LRR4C	748568 base downstream	p12	CT	0.9644	1.752	0.0004461
15	rs879131	86273174	NTRK3	intron 3	q25.3	AG	0.8014	1.277	0.0004465
2	rs333235	107973532	SLC5A7	intron 2	q12.3	CT	0.1969	0.781	0.0004469
14	rs10483393	31530235	ARHGAP5	86010 base upstream	q12	CT	0.786	0.787	0.0004484
21	rs1475897	19398897	PRSS7	701053 base downstream	q21.1	AG	0.3396	1.238	0.0004486
2	rs1581667	51648256	NRXN1	535078 base downstream	p16.3	CT	0.5514	0.831	0.0004489
3	rs12493961	11219825	HRH1	intron 1	p25.3	AG	0.9645	1.806	0.000449
2	rs2698014	51649426	NRXN1	536248 base downstream	p16.3	GT	0.4485	1.203	0.0004522
2	rs2715062	51639646	NRXN1	526468 base downstream	p16.3	AG	0.4523	1.203	0.0004525
3	rs2972481	117048396	LSAMP	intron 3	q13.31	AG	0.0724	1.43	0.0004531
10	rs7895653	61813354	ANK3	intron 43	q21.2	CT	0.7763	0.799	0.0004533
21	rs2824149	17229575	C21orf34	328162 base downstream	q21.1	CT	0.7221	0.817	0.0004534
1	rs17514217	167156031	ATP1B1	186539 base upstream	q24.2	AT	0.1034	0.736	0.0004538
4	rs10005912	82316860	PRKG2	intron 17	q21.21	GT	0.0635	1.469	0.0004546
7	rs6959643	5295742	SLC29A4	intron 2	p22.1	AT	0.4131	1.208	0.000456
3	rs9847885	134921034	TF	26890 base upstream	q22.1	CT	0.9512	0.671	0.0004578
3	rs604132	54723274	CACNA2D3	intron 11	p14.3	AT	0.41	0.82	0.0004583
2	rs3915321	51618222	NRXN1	505044 base downstream	p16.3	CT	0.581	0.821	0.0004584

9	rs10869020	70346371	C9orf71	768 base downstream	q13	AG	0.8557	1.305	0.0004585
13	rs1491005	89487776	GPC5	1361111 base upstream	q31.3	CT	0.8113	1.267	0.0004589
15	rs1122891	36725969	FLJ35695	50121 base upstream	q14	CG	0.4016	0.832	0.0004599
2	rs3791261	134734676	MGAT5	intron 1	q21.2	GT	0.0499	1.581	0.0004601
4	rs2570073	58782188	IGFBP7	1110892 base downstream	q12	AC	0.7227	1.232	0.0004605
3	rs11717407	134920954	TF	26970 base upstream	q22.1	AG	0.9511	0.671	0.0004611
1	rs6656346	110905211	KCNA10	41891 base downstream	p13.3	AG	0.2633	1.229	0.0004613
2	rs3915322	51618512	NRXN1	505334 base downstream	p16.3	AG	0.419	1.217	0.0004619
6	rs12194995	51918458	PKHD1	intron 31	p12.2	CT	0.2001	0.793	0.0004622
10	rs17700389	110680293	XPNPEP1	934220 base upstream	q25.1	GT	0.8191	1.273	0.0004624
9	rs10746875	70346769	C9orf71	1166 base downstream	q13	AT	0.1443	0.766	0.0004626
19	rs8182538	13277170	CACNA1A	intron 32	p13.13	AG	0.4076	1.202	0.000463
10	rs17700354	110679319	XPNPEP1	935194 base upstream	q25.1	CT	0.8191	1.273	0.0004631
2	rs10460338	232142905	MGC35154	22950 base upstream	q37.1	CT	0.0836	1.386	0.0004634
3	rs4582061	134920716	TF	27208 base upstream	q22.1	AG	0.0489	1.489	0.0004641
12	rs6580809	49895867	POU6F1	intron 10	q13.13	CT	0.3455	0.818	0.0004653
2	rs2697239	197749763	ANKRD44	intron 24	q33.1	CT	0.0342	0.582	0.0004656
6	rs1900554	25265596	LRRC16	122030 base upstream	p22.2	CT	0.1879	0.794	0.0004656
9	rs10811225	19652307	SLC24A2	intron 9	p22.1	AG	0.3901	0.829	0.0004657
2	rs2450280	107974450	SLC5A7	intron 2	q12.3	CT	0.8031	1.281	0.0004665
19	rs4433935	13277280	CACNA1A	intron 32	p13.13	CT	0.5924	0.832	0.0004669
12	rs935537	9923537	CLEC2B	9812 base downstream	p13.31	CG	0.7193	0.817	0.0004671
2	rs2354378	51618920	NRXN1	505742 base downstream	p16.3	CT	0.5812	0.822	0.0004672
2	rs7579884	229854835	PID1	10534 base downstream	q36.3	AG	0.9278	0.704	0.0004675
7	rs1689299	52977371	DKFZp564N247z	93471 base upstream	p12.1	AT	0.8501	0.775	0.000468
10	rs11591352	110514731	XPNPEP1	1099782 base upstream	q25.1	GT	0.8073	1.281	0.000469
3	rs16840699	134920291	TF	27633 base upstream	q22.1	CT	0.9511	0.672	0.0004692
2	rs2175824	111308878	ACOXL	intron 9	q13	GT	0.6206	1.234	0.0004704
10	rs3934875	110674541	XPNPEP1	939972 base upstream	q25.1	AG	0.8189	1.273	0.0004717
2	rs13417566	111309077	ACOXL	intron 9	q13	AC	0.3795	0.811	0.0004718
19	rs4499352	13277350	CACNA1A	intron 32	p13.13	GT	0.4076	1.202	0.0004725
11	rs1384641	18845442	MRGPRX1	66493 base upstream	p15.1	CG	0.8914	0.746	0.0004734
11	rs1384642	18846017	MRGPRX1	65918 base upstream	p15.1	AG	0.1086	1.34	0.0004743
13	rs2038712	21757616	FGF9	583432 base downstream	q12.11	CT	0.5874	0.826	0.0004761
3	rs11130939	63493103	SYNPR	intron 2	p14.2	GT	0.8105	1.278	0.0004767
20	rs6019750	47380876	KCNB1	41035 base upstream	q13.13	CG	0.9258	0.695	0.0004767
13	rs17083114	67594394	PCDH9	891930 base downstream	q21.33	CT	0.974	1.814	0.0004767

12	rs576601	9937319	CLEC2B	23594 base downstream	p13.31	AC	0.7262	0.817	0.0004771
13	rs17083120	67598341	PCDH9	895877 base downstream	q21.33	CT	0.974	1.813	0.0004771
13	rs17083124	67599095	PCDH9	896631 base downstream	q21.33	AT	0.974	1.813	0.0004774
14	rs10143992	31528650	ARHGAP5	87595 base upstream	q12	CG	0.2142	1.268	0.0004775
4	rs17055545	171439939	AADAT	191992 base downstream	q33	GT	0.0241	1.786	0.0004778
21	rs2824148	17228121	C21orf34	326708 base downstream	q21.1	AG	0.2779	1.224	0.0004779
6	rs2844845	29820738	HLA-F	18456 base downstream	p22.1	AT	0.1651	1.276	0.0004781
12	rs2936206	17411380	FLJ22655	713689 base upstream	p12.3	AG	0.5405	1.2	0.0004782
2	rs1226946	229856782	PID1	12481 base downstream	q36.3	CT	0.0721	1.419	0.0004786
18	rs1349930	48306727	DCC	intron 1	q21.2	CG	0.8447	1.297	0.0004802
9	rs7860486	70347279	C9orf71	1676 base downstream	q13	AC	0.1443	0.767	0.0004807
12	rs10751693	130839269	SFRS8	intron 15	q24.33	AG	0.3851	0.83	0.0004808
1	rs915180	154345707	LMNA	5377 base upstream	q22	CT	0.6107	0.82	0.000482
13	rs2325107	67611790	PCDH9	909326 base downstream	q21.33	AG	0.026	0.552	0.0004827
13	rs11840273	67606518	PCDH9	904054 base downstream	q21.33	AG	0.026	0.552	0.0004828
4	rs4434285	65093689	SRD5A2L2	135916 base downstream	q13.1	AT	0.8118	0.787	0.0004832
13	rs17083164	67660291	PCDH9	957827 base downstream	q21.33	CT	0.974	1.812	0.0004833
20	rs6019751	47381122	KCNB1	40789 base upstream	q13.13	CT	0.9258	0.696	0.0004843
3	rs539967	178788491	TBL1XR1	390749 base downstream	q26.32	AC	0.5946	1.214	0.0004847
2	rs2698024	51640024	NRXN1	526846 base downstream	p16.3	AG	0.4523	1.201	0.0004862
8	rs10097898	14884772	SGCZ	intron 7	p22	AG	0.4142	1.223	0.0004863
6	rs12196767	51884494	PKHD1	intron 28	p12.2	CT	0.1897	0.785	0.0004865
14	rs1952969	31527434	ARHGAP5	88811 base upstream	q12	GT	0.7857	0.789	0.0004865
1	rs17514245	167156181	ATP1B1	186389 base upstream	q24.2	AG	0.8966	1.357	0.0004871
2	rs2715057	51649455	NRXN1	536277 base downstream	p16.3	CT	0.5524	0.831	0.0004873
12	rs11059127	126488790	SLC15A4	1354925 base upstream	q24.32	GT	0.7388	1.238	0.0004875
1	rs7530207	167157044	ATP1B1	185526 base upstream	q24.2	CG	0.1035	0.736	0.0004882
14	rs8017647	31526109	ARHGAP5	90136 base upstream	q12	CT	0.2143	1.266	0.0004885
12	rs6598153	130815441	SFRS8	intron 12	q24.33	CT	0.3821	0.831	0.0004885
8	rs10099567	1780249	ARHGEF10	intron 2	p23.3	AG	0.5677	0.829	0.0004886
17	rs8076116	47289896	CA10	intron 6	q21.33	GT	0.0405	1.565	0.0004893
21	rs7282020	17225906	C21orf34	324493 base downstream	q21.1	AC	0.2725	1.229	0.0004896
10	rs12258030	110686488	XPNPEP1	928025 base upstream	q25.1	AG	0.819	1.272	0.000491
11	rs12795402	32212512	RCN1	128859 base downstream	p13	CT	0.6751	1.218	0.0004917
4	rs2358469	149810031	NR3C2	226938 base downstream	q31.23	AG	0.587	0.818	0.0004919
2	rs11680441	51620902	NRXN1	507724 base downstream	p16.3	AG	0.4183	1.213	0.0004924
12	rs12424558	88790264	ATP2B1	216289 base downstream	q21.33	CG	0.9017	0.725	0.0004944

13	rs17083147	67631961	PCDH9	929497 base downstream	q21.33	CT	0.0261	0.553	0.0004947
13	rs9510084	21757893	FGF9	583709 base downstream	q12.11	AC	0.4128	1.21	0.0004957
2	rs1528811	51649652	NRXN1	536474 base downstream	p16.3	CT	0.5526	0.832	0.0004971
2	rs1226936	229863370	PID1	19069 base downstream	q36.3	GT	0.928	0.706	0.000499
9	rs1335406	119035785	ASTN2	intron 20	q33.1	AT	0.9419	0.668	0.0004992
16	rs7202219	7375184	A2BP1	intron 4	p13.2	AT	0.9086	0.732	0.0004997
2	rs1528810	51649771	NRXN1	536593 base downstream	p16.3	CT	0.5527	0.832	0.0005008
16	rs7202208	7375166	A2BP1	intron 4	p13.2	AG	0.9085	0.732	0.0005012
2	rs1528809	51649917	NRXN1	536739 base downstream	p16.3	AG	0.4472	1.203	0.0005015
16	rs7202052	7375151	A2BP1	intron 4	p13.2	AG	0.9085	0.732	0.0005033
2	rs4340504	232140542	MGC35154	25313 base upstream	q37.1	AC	0.0828	1.386	0.0005041
7	rs11769082	52974032	DKFZp564N247z	96810 base upstream	p12.1	CT	0.1532	1.289	0.0005043
1	rs11583110	116595268	C1orf161	115884 base downstream	p13.1	AC	0.3325	1.217	0.0005043
4	rs931771	109392362	LEF1	83335 base downstream	q25	CT	0.734	1.247	0.0005089
2	rs2698011	51651289	NRXN1	538111 base downstream	p16.3	GT	0.553	0.832	0.0005135
16	rs1424241	70636408	HP	9600 base upstream	q22.3	AG	0.1816	0.786	0.0005142
11	rs360118	9802854	SBF2	intron 12	p15.4	CG	0.3518	1.22	0.0005144
3	rs16849682	141211649	CLSTN2	intron 1	q23	CT	0.9409	0.672	0.0005145
12	rs11059124	126488548	SLC15A4	1355167 base upstream	q24.32	AG	0.7381	1.238	0.0005146
1	rs284172	91987439	TGFBR3	intron 13	p22.2	AT	0.1544	0.761	0.000516
11	rs924111	10721194	CTR9	8192 base upstream	p15.3	AG	0.592	1.207	0.0005163
4	rs10518071	71148222	CSN3	intron 3	q13.3	CT	0.1328	0.766	0.0005164
4	rs6811318	71149965	CSN3	intron 4	q13.3	CT	0.8672	1.306	0.0005171
2	rs6732415	44191376	PPM1B	58127 base upstream	p21	AG	0.0209	1.927	0.0005175
7	rs1208998	91252060	MTERF	87896 base upstream	q21.2	CT	0.9431	0.669	0.0005176
4	rs3775739	71149649	CSN3	EXON 4	q13.3	AG	0.1328	0.766	0.0005177
16	rs7184072	7375088	A2BP1	intron 4	p13.2	CT	0.0918	1.366	0.0005181
10	rs3847404	30429219	KIAA1462	52413 base downstream	p11.23	CT	0.6388	0.828	0.0005183
15	rs11852644	90026124	SLCO3A1	171825 base upstream	q26.1	AT	0.0843	1.39	0.0005187
4	rs6811366	71150032	CSN3	intron 4	q13.3	CT	0.8672	1.306	0.0005189
10	rs6584909	110687591	XPNPEP1	926922 base upstream	q25.1	AG	0.819	1.27	0.0005189
11	rs10742274	32212217	RCN1	128564 base downstream	p13	CT	0.325	0.822	0.0005213
6	rs11752102	25262375	LRRC16	125251 base upstream	p22.2	AG	0.8065	1.282	0.0005216
8	rs1379440	135092624	ST3GAL1	439280 base downstream	q24.22	CT	0.5707	1.202	0.0005232
6	rs2517830	29937545	HLA-G	30667 base downstream	p21.33	GT	0.0545	1.531	0.0005238
5	rs4700651	64063348	P18SRP	intron 2	q12.3	AT	0.5345	0.835	0.000524
14	rs162637	82831246	SEL1L	1761360 base downstream	q31.2	CT	0.8043	0.79	0.0005241

21	rs8129059	19396021	PRSS7	698177 base downstream	q21.1	CT	0.6696	0.808	0.0005253
4	rs11099460	82319684	PRKG2	intron 17	q21.21	AC	0.0631	1.471	0.0005287
2	rs10200921	210508108	RPE	67488 base upstream	q34	AG	0.1474	1.319	0.0005288
10	rs473195	30510832	PAPD1	130932 base upstream	p11.23	CT	0.7163	0.819	0.0005303
2	rs2715076	51652775	NRXN1	539597 base downstream	p16.3	AC	0.4466	1.202	0.0005304
11	rs4757732	18858429	MRGPRX1	53506 base upstream	p15.1	CT	0.8912	0.748	0.0005317
10	rs11595032	110687958	XPNPEP1	926555 base upstream	q25.1	AT	0.1811	0.788	0.0005317
4	rs11737486	136740556	PABPC4L	1398203 base downstream	q28.3	AG	0.1319	1.331	0.0005318
13	rs1570309	28458146	KIAA0774	38601 base upstream	q12.3	AG	0.8985	0.734	0.0005338
6	rs9397709	154732717	PIP3-E	13125 base downstream	q25.2	CT	0.9475	1.546	0.000534
2	rs4449121	232078303	MGC43122	3077 base upstream	q37.1	AC	0.9163	0.705	0.0005343
6	rs4960167	6095762	F13A1	intron 1	p25.1	CT	0.8313	0.787	0.0005346
4	rs2270269	8631852	GPR78	1338 base upstream	p16.1	CT	0.5652	1.199	0.0005356
6	rs2517897	29908080	HLA-G	1202 base downstream	p21.33	AC	0.1509	0.768	0.0005359
11	rs10742273	32212187	RCN1	128534 base downstream	p13	CG	0.6749	1.217	0.0005368
4	rs2270270	8631775	GPR78	1415 base upstream	p16.1	CG	0.5652	1.199	0.0005383
6	rs9362321	87192966	HTR1E	511162 base upstream	q14.3	CT	0.8437	0.783	0.0005398
1	rs589176	4560412	AJAP1	54552 base upstream	p36.32	AG	0.4638	0.827	0.0005409
2	rs7572242	128341634	MGC4268	intron 2	q14.3	CT	0.5889	0.829	0.000542
5	rs4463179	13558432	DNAH5	185004 base upstream	p15.2	AG	0.0936	1.35	0.0005427
10	rs7091393	110512008	XPNPEP1	1102505 base upstream	q25.1	CT	0.821	1.286	0.0005442
6	rs9384205	154734121	PIP3-E	14529 base downstream	q25.2	CT	0.0527	0.649	0.0005446
3	rs9852024	22446750	ZNF659	678930 base downstream	p24.3	AT	0.1627	1.296	0.0005447
11	rs7124928	32211971	RCN1	128318 base downstream	p13	CT	0.3251	0.822	0.0005448
18	rs1031062	48292120	DCC	intron 1	q21.2	GT	0.1523	0.771	0.0005456
6	rs2129859	94798859	EPHA7	612866 base downstream	q16.1	AC	0.4233	1.199	0.0005466
6	rs9397710	154734212	PIP3-E	14620 base downstream	q25.2	AC	0.0527	0.649	0.0005467
7	rs10250470	52238030	DKFZp564N2472	832812 base upstream	p12.1	AG	0.6725	0.821	0.0005488
6	rs9371793	154734269	PIP3-E	14677 base downstream	q25.2	CT	0.9472	1.54	0.0005489
6	rs1318638	30235852	TRIM10	intron 6	p21.33	CT	0.9504	0.665	0.0005503
2	rs10469900	38220587	CYP1B1	63791 base downstream	p22.2	CT	0.2062	1.247	0.0005506
3	rs2362755	24691672	THRB	180355 base downstream	p24.2	GT	0.5623	1.201	0.0005506
20	rs6099650	55492405	HMG1L1	4450 base upstream	q13.31	CT	0.4528	0.835	0.0005523
6	rs2171518	94798998	EPHA7	613005 base downstream	q16.1	CT	0.5767	0.834	0.0005535
12	rs10859960	94742289	NTN4	33622 base downstream	q22	AG	0.2611	1.225	0.0005535
6	rs12212092	30236421	TRIM10	EXON 7	p21.33	CT	0.9505	0.665	0.0005537
11	rs4325289	18844035	MRGPRX1	67900 base upstream	p15.1	CG	0.1081	1.336	0.0005543

20	rs2182970	55505059	CTCFL	570 base upstream	q13.31	GT	0.5702	0.834	0.0005549
10	rs7073756	85953055	PCDH21	intron 8	q23.1	CT	0.2404	0.804	0.0005556
12	rs10777742	94741290	NTN4	32623 base downstream	q22	CT	0.7389	0.816	0.0005565
2	rs12463442	111311960	ACOXL	intron 9	q13	AG	0.6188	1.225	0.0005566
11	rs926968	32207354	RCN1	123701 base downstream	p13	CT	0.6748	1.216	0.0005568
12	rs10859959	94740811	NTN4	32144 base downstream	q22	CT	0.2611	1.225	0.0005574
6	rs6941417	25260653	LRRC16	126973 base upstream	p22.2	AG	0.1943	0.781	0.0005585
6	rs9383704	154735267	PIP3-E	15675 base downstream	q25.2	AG	0.9471	1.536	0.0005596
10	rs7070406	110697815	XPNPEP1	916698 base upstream	q25.1	AT	0.8188	1.268	0.0005598
12	rs7134181	94738331	NTN4	29664 base downstream	q22	CT	0.7389	0.816	0.0005606
12	rs7955502	93474128	TMCC3	12051 base upstream	q22	AC	0.1052	1.341	0.0005609
10	rs6583995	97100869	SORBS1	intron 8	q23.33	CT	0.2961	1.219	0.0005617
10	rs12780390	30332480	KIAA1462	10909 base upstream	p11.23	CT	0.5583	0.827	0.0005623
13	rs9510085	21757961	FGF9	583777 base downstream	q12.11	GT	0.583	0.827	0.0005625
10	rs12779954	30332299	KIAA1462	11090 base upstream	p11.23	AT	0.5584	0.827	0.0005627
6	rs9461270	26652089	HMGNA4	intron 1	p22.1	AG	0.5732	0.826	0.0005649
1	rs17111725	55459204	USP24	5854 base downstream	p32.3	AG	0.7537	0.809	0.0005653
6	rs590701	94819838	EPHA7	633845 base downstream	q16.1	GT	0.4258	1.2	0.0005654
8	rs16904845	134268958	WISP1	3535 base upstream	q24.22	CT	0.3404	0.812	0.0005659
12	rs7307769	94730019	NTN4	21352 base downstream	q22	AG	0.261	1.225	0.0005661
12	rs10859956	94729110	NTN4	20443 base downstream	q22	CT	0.261	1.225	0.0005678
2	rs1919433	51644884	NRXN1	531706 base downstream	p16.3	CG	0.4522	1.199	0.000569
2	rs17744093	29148258	FLJ34931	EXON 2	p23.2	CG	0.2342	1.245	0.0005691
6	rs9371795	154735852	PIP3-E	16260 base downstream	q25.2	CT	0.947	1.533	0.0005694
1	rs1105101	110906436	KCNA2	40862 base upstream	p13.3	CG	0.7411	0.815	0.0005698
12	rs12582105	94722758	NTN4	14091 base downstream	q22	AG	0.261	1.225	0.0005705
11	rs926967	32207798	RCN1	124145 base downstream	p13	AG	0.3252	0.823	0.0005706
6	rs10944713	94818161	EPHA7	632168 base downstream	q16.1	AT	0.4262	1.2	0.0005708
6	rs2535660	94838264	EPHA7	652271 base downstream	q16.1	CT	0.5832	0.834	0.0005708
10	rs11596345	110692416	XPNPEP1	922097 base upstream	q25.1	AG	0.8188	1.267	0.0005713
2	rs4849147	113545707	IL1F10	intron 1	q13	AT	0.2933	1.234	0.000572
1	rs284170	91987216	TGFBR3	intron 13	p22.2	CT	0.8459	1.319	0.0005723
13	rs9550833	21758087	FGF9	583903 base downstream	q12.11	AC	0.5829	0.828	0.0005724
6	rs9384206	154735871	PIP3-E	16279 base downstream	q25.2	CT	0.9469	1.532	0.0005733
7	rs11238186	52237378	DKFZp564N247z	833464 base upstream	p12.1	AC	0.3284	1.217	0.0005735
1	rs6537671	110908053	KCNA2	39245 base upstream	p13.3	CT	0.2589	1.226	0.0005741
10	rs6481661	30520525	PAPD1	121239 base upstream	p11.23	CT	0.7237	0.819	0.0005746

5	rs6449751	64072297	P18SRP	intron 2	q12.3	CG	0.4653	1.196	0.0005746
4	rs11133559	58909359	IGFBP7	1238063 base downstream	q12	AC	0.2759	0.812	0.0005749
9	rs10120859	70346115	C9orf71	512 base downstream	q13	CT	0.1512	0.77	0.0005752
4	rs12511263	58908862	IGFBP7	1237566 base downstream	q12	AG	0.2759	0.812	0.0005762
2	rs11126291	70819307	ADD2	intron 15	p13.3	GT	0.0512	0.661	0.0005767
3	rs517729	54683416	CACNA2D3	intron 11	p14.3	AG	0.5107	0.832	0.0005768
2	rs1997326	51622700	NRXN1	509522 base downstream	p16.3	GT	0.5802	0.829	0.0005768
8	rs7465458	54439800	OPRK1	113053 base downstream	q11.23	AG	0.8362	1.283	0.0005778
11	rs11601578	103266219	PDGFD	16905 base upstream	q22.3	CT	0.6882	1.231	0.0005781
1	rs241221	4508910	AJAP1	106054 base upstream	p36.32	CT	0.6104	1.208	0.0005787
21	rs2837183	40057208	LOC150084	intron 2	q22.2	CT	0.3627	1.216	0.0005791
2	rs11676521	229863870	PID1	19569 base downstream	q36.3	GT	0.9284	0.71	0.0005803
2	rs17198619	181898803	ITGA4	131060 base upstream	q31.3	GT	0.9023	0.733	0.0005806
2	rs10185903	229840402	PID1	intron 3	q36.3	CT	0.145	1.284	0.0005807
13	rs9506819	21758269	FGF9	584085 base downstream	q12.11	GT	0.5829	0.828	0.0005807
13	rs4770264	21758866	FGF9	584682 base downstream	q12.11	AG	0.4135	1.207	0.0005808
2	rs3755352	70823291	ADD2	intron 15	p13.3	AT	0.9488	1.513	0.0005812
1	rs504274	4548433	AJAP1	66531 base upstream	p36.32	CT	0.0733	0.706	0.0005827
6	rs1018846	30245628	TRIM15	intron 4	p21.33	AG	0.0492	1.505	0.0005831
4	rs4865328	58908498	IGFBP7	1237202 base downstream	q12	CT	0.7238	1.231	0.0005831
16	rs3924628	8571064	C16orf68	51963 base upstream	p13.2	AG	0.3747	1.202	0.0005843
4	rs10517438	58908183	IGFBP7	1236887 base downstream	q12	AT	0.7238	1.231	0.0005847
6	rs4707818	94778822	EPHA7	592829 base downstream	q16.1	CG	0.5713	0.834	0.0005854
22	rs5992433	17962066	CLDN5	69206 base downstream	q11.21	CT	0.4587	1.199	0.0005857
4	rs17029520	154177648	KIAA1727	57350 base downstream	q31.3	CT	0.6908	0.827	0.0005859
10	rs11592721	110687487	XPNPEP1	927026 base upstream	q25.1	AG	0.1598	0.767	0.0005865
3	rs9861611	22448096	ZNF659	680276 base downstream	p24.3	CT	0.1719	1.277	0.000587
21	rs2837232	40101083	LOC150084	5190 base downstream	q22.2	AG	0.3168	1.211	0.0005875
4	rs7656126	183403974	ODZ3	78156 base upstream	q35.1	GT	0.7159	1.226	0.0005878
8	rs11998140	135092194	ST3GAL1	438850 base downstream	q24.22	AC	0.4293	0.834	0.0005879
11	rs2418584	32208659	RCN1	125006 base downstream	p13	CT	0.6748	1.215	0.0005883
21	rs12626544	40059369	LOC150084	EXON 3	q22.2	AG	0.6375	0.823	0.0005913
5	rs106451	104076769	NUDT12	1150380 base downstream	q21.2	AC	0.1654	1.272	0.0005916
8	rs13261120	14876643	SGCZ	intron 7	p22	CT	0.4425	1.217	0.0005917
2	rs13429819	64137490	PELI1	36009 base upstream	p14	AG	0.9327	0.704	0.0005918
2	rs1446521	113543867	IL1F10	intron 1	q13	AG	0.7086	0.812	0.0005927
5	rs325529	104077128	NUDT12	1150739 base downstream	q21.2	CT	0.1654	1.272	0.0005929

5	rs325527	104076454	NUDT12	1150065 base downstream	q21.2	CT	0.8346	0.786	0.0005929
3	rs11716879	22448847	ZNF659	681027 base downstream	p24.3	AT	0.1723	1.277	0.0005931
10	rs17778715	110707237	XPNPEP1	907276 base upstream	q25.1	CT	0.1812	0.79	0.0005932
17	rs4575596	68389374	SLC39A11	intron 5	q24.3	CT	0.3942	1.199	0.0005943
10	rs11007929	30526790	PAPD1	114974 base upstream	p11.23	CT	0.7235	0.82	0.0005946
2	rs12463526	111312209	ACOXL	intron 9	q13	AG	0.6185	1.219	0.0005946
5	rs325530	104077349	NUDT12	1150960 base downstream	q21.2	GT	0.8345	0.786	0.0005947
6	rs583000	94846081	EPHA7	660088 base downstream	q16.1	CT	0.4168	1.198	0.0005951
2	rs7560803	64135002	VPS54	35284 base downstream	p14	AG	0.0673	1.419	0.0005955
10	rs11596046	110734026	XPNPEP1	880487 base upstream	q25.1	AG	0.1808	0.79	0.000596
16	rs2967303	47659380	CBLN1	210821 base upstream	q12.1	CG	0.4709	0.827	0.0005961
5	rs325526	104074988	NUDT12	1148599 base downstream	q21.2	AG	0.8347	0.786	0.0005963
2	rs6754229	229839689	PID1	intron 3	q36.3	CT	0.145	1.283	0.0005967
22	rs5993715	17961946	CLDN5	69086 base downstream	q11.21	GT	0.4587	1.199	0.0005967
8	rs1519150	12893231	C8orf79	intron 2	p22	AT	0.265	0.814	0.0005968
2	rs6724667	113506112	IL1F8	intron 5	q13	AG	0.6942	0.817	0.0005969
6	rs16890179	25277765	LRRC16	109861 base upstream	p22.2	CT	0.1891	0.793	0.0005972
5	rs325531	104077611	NUDT12	1151222 base downstream	q21.2	AG	0.8345	0.786	0.0005973
1	rs915179	154344873	LMNA	6211 base upstream	q22	AG	0.6103	0.827	0.0005974
15	rs1435399	86281541	NTRK3	intron 5	q25.3	AT	0.1816	0.78	0.0005976
4	rs10012544	154177907	KIAA1727	57609 base downstream	q31.3	AT	0.3092	1.209	0.0005979
22	rs5993714	17961830	CLDN5	68970 base downstream	q11.21	AG	0.4587	1.199	0.0005984
2	rs2118204	128340581	MGC4268	intron 1	q14.3	CT	0.4046	1.203	0.0005991
10	rs17701356	110734457	XPNPEP1	880056 base upstream	q25.1	AG	0.1808	0.79	0.0005993
21	rs2837178	40054313	LOC150084	intron 2	q22.2	AG	0.3631	1.216	0.0005993
11	rs1998003	32209862	RCN1	126209 base downstream	p13	AC	0.6748	1.214	0.0005995
5	rs895658	2547273	IRX2	252606 base upstream	p15.33	CT	0.6315	1.206	0.0005996
5	rs325532	104077750	NUDT12	1151361 base downstream	q21.2	CT	0.1655	1.272	0.0005997
10	rs10509885	110729755	XPNPEP1	884758 base upstream	q25.1	CT	0.8193	1.266	0.0006003
2	rs17744052	29142915	FLJ34931	intron 1	p23.2	AG	0.7694	0.81	0.0006006
16	rs8057663	7371378	A2BP1	intron 4	p13.2	AG	0.907	0.735	0.0006012
10	rs17779611	110734927	XPNPEP1	879586 base upstream	q25.1	CT	0.1808	0.79	0.0006014
6	rs1235830	95082112	EPHA7	896119 base downstream	q16.1	CT	0.8463	1.287	0.0006016
10	rs12258219	110503646	XPNPEP1	1110867 base upstream	q25.1	GT	0.8297	1.291	0.0006023
10	rs4314990	110724687	XPNPEP1	889826 base upstream	q25.1	CT	0.1807	0.79	0.0006027
21	rs2837226	40088875	LOC150084	intron 8	q22.2	AC	0.3167	1.21	0.0006032
10	rs17779320	110723326	XPNPEP1	891187 base upstream	q25.1	AG	0.8193	1.266	0.0006033

12	rs3191064	13260841	EMP1	EXON 5	p13.1	AG	0.9281	1.47	0.0006044
8	rs1870126	135162883	ZNF406	396330 base upstream	q24.22	CT	0.5062	0.837	0.0006045
1	rs7529366	55457932	USP24	4582 base downstream	p32.3	AG	0.2445	1.236	0.0006045
8	rs2896732	135087435	ST3GAL1	434091 base downstream	q24.22	AC	0.5708	1.199	0.0006045
10	rs11596823	110722721	XPNPEP1	891792 base upstream	q25.1	AG	0.8193	1.266	0.0006048
2	rs3791278	134742338	MGAT5	intron 1	q21.2	AG	0.04	1.639	0.0006051
8	rs1379435	135087684	ST3GAL1	434340 base downstream	q24.22	CT	0.5708	1.199	0.0006051
21	rs2837229	40095584	LOC150084	EXON 9	q22.2	CT	0.6833	0.826	0.0006051
5	rs325522	104073206	NUDT12	1146817 base downstream	q21.2	CG	0.1653	1.271	0.0006061
20	rs6025590	55503911	CTCFL	1718 base upstream	q13.31	AG	0.3854	1.2	0.0006063
12	rs12423171	94615189	NTN4	intron 5	q22	AG	0.7696	0.805	0.0006065
2	rs4953309	46176270	PRKCE	intron 11	p21	CG	0.2159	0.796	0.0006067
5	rs275820	64076579	P18SRP	intron 3	q12.3	GT	0.5348	0.836	0.0006069
15	rs689991	51195489	ONECUT1	325988 base downstream	q21.3	AG	0.7787	0.803	0.000607
10	rs17779136	110717700	XPNPEP1	896813 base upstream	q25.1	CT	0.1807	0.79	0.0006075
4	rs11133558	58908044	IGFBP7	1236748 base downstream	q12	AG	0.7231	1.228	0.0006079
1	rs6703366	55446008	USP24	intron 64	p32.3	GT	0.2015	1.258	0.0006079
12	rs7966096	13268178	EMP1	7204 base downstream	p13.1	CT	0.0662	0.662	0.0006082
10	rs7076888	97106209	SORBS1	intron 10	q23.33	CT	0.4516	1.199	0.0006083
17	rs4476236	68391508	SLC39A11	intron 5	q24.3	AG	0.3942	1.199	0.0006084
2	rs10432476	151933334	TNFAIP6	intron 3	q23.3	CT	0.496	1.21	0.0006085
17	rs4969119	68392999	SLC39A11	intron 5	q24.3	CT	0.6058	0.834	0.0006088
12	rs17286390	94615484	NTN4	intron 5	q22	AT	0.7695	0.805	0.0006089
2	rs12993888	232134007	NMUR1	30560 base downstream	q37.1	AG	0.0818	1.382	0.0006091
4	rs2090901	58906382	IGFBP7	1235086 base downstream	q12	CT	0.7231	1.228	0.0006091
12	rs7962943	13267994	EMP1	7020 base downstream	p13.1	AG	0.9338	1.509	0.0006094
15	rs584758	51195545	ONECUT1	326044 base downstream	q21.3	AG	0.7787	0.803	0.0006094
17	rs4494615	68392507	SLC39A11	intron 5	q24.3	CT	0.6058	0.834	0.0006096
5	rs325533	104080504	NUDT12	1154115 base downstream	q21.2	AG	0.1656	1.272	0.0006099
10	rs11597293	110736026	XPNPEP1	878487 base upstream	q25.1	AC	0.1807	0.79	0.0006112
1	rs6661281	154341469	LMNA	9615 base upstream	q22	CT	0.3898	1.209	0.0006116
13	rs754325	46486944	HTR2A	118768 base downstream	q14.2	CT	0.4226	0.818	0.0006118
3	rs884477	106367794	ALCAM	200608 base upstream	q13.11	AG	0.1733	0.775	0.0006121
5	rs275823	64088118	P18SRP	intron 4	q12.3	CT	0.4633	1.199	0.0006126
17	rs4969120	68393030	SLC39A11	intron 5	q24.3	CT	0.6057	0.833	0.0006127
12	rs2269828	45757706	AMIGO2	EXON 1	q13.11	AG	0.3359	0.811	0.0006132
5	rs7715910	64084924	P18SRP	intron 3	q12.3	CT	0.5364	0.835	0.0006133

12	rs2069086	13259589	EMP1	EXON 5	p13.1	GT	0.0722	0.682	0.0006134
5	rs1684851	73293142	RGNEF	49858 base downstream	q13.2	AC	0.7229	1.22	0.0006136
17	rs4969122	68393833	SLC39A11	intron 5	q24.3	AC	0.6056	0.833	0.0006153
3	rs12054371	63499138	SYNPR	intron 2	p14.2	CT	0.8255	1.286	0.0006157
5	rs12514766	104072799	NUDT12	1146410 base downstream	q21.2	AT	0.1653	1.27	0.0006159
17	rs4969123	68393953	SLC39A11	intron 5	q24.3	AG	0.6056	0.833	0.000616
2	rs2222779	51633654	NRXN1	520476 base downstream	p16.3	AG	0.5723	0.834	0.0006162
6	rs7744573	154739604	PIP3-E	20012 base downstream	q25.2	CT	0.0536	0.658	0.0006164
7	rs757393	26498670	SNX10	118208 base downstream	p15.2	CT	0.6469	0.826	0.0006167
2	rs3771895	151932585	TNFAIP6	intron 3	q23.3	AG	0.4959	1.209	0.0006174
10	rs17700585	110707994	XPNPEP1	906519 base upstream	q25.1	CT	0.8189	1.266	0.0006176
5	rs325563	104086941	NUDT12	1160552 base downstream	q21.2	AG	0.1657	1.272	0.0006177
17	rs4969124	68393965	SLC39A11	intron 5	q24.3	CT	0.3944	1.2	0.0006183
17	rs4570929	68394861	SLC39A11	intron 5	q24.3	AC	0.3945	1.2	0.0006188
17	rs8078564	68394559	SLC39A11	intron 5	q24.3	CG	0.6055	0.833	0.000619
17	rs8078727	68394639	SLC39A11	intron 5	q24.3	CT	0.6055	0.833	0.0006191
8	rs9650382	14879068	SGCZ	intron 7	p22	AG	0.4391	1.219	0.0006201
4	rs6840036	183400923	ODZ3	81207 base upstream	q35.1	CT	0.7351	1.232	0.0006206
20	rs2209885	55508313	CTCFL	intron 1	q13.31	CG	0.386	1.201	0.0006209
17	rs4503863	68395088	SLC39A11	intron 5	q24.3	CT	0.6055	0.833	0.0006211
8	rs4876434	120078754	TNFRSF11B	45190 base downstream	q24.12	CT	0.052	1.491	0.0006215
21	rs2837227	40094036	LOC150084	intron 8	q22.2	CT	0.6834	0.827	0.0006216
2	rs11678426	229865352	PID1	21051 base downstream	q36.3	AG	0.0715	1.405	0.0006225
17	rs7223107	68395153	SLC39A11	intron 5	q24.3	CT	0.6055	0.833	0.000623
2	rs1922458	229868175	PID1	23874 base downstream	q36.3	AG	0.9285	0.712	0.0006233
8	rs13282289	27642120	CCDC25	4631 base upstream	p21.1	AG	0.7678	1.248	0.0006235
5	rs6882769	40683520	PTGER4	32268 base upstream	p13.1	CT	0.3308	0.824	0.000624
6	rs4716002	15947234	DTNBP1	175984 base downstream	p22.3	GT	0.8689	0.768	0.0006244
5	rs325564	104087577	NUDT12	1161188 base downstream	q21.2	CG	0.8342	0.786	0.0006245
6	rs2503674	48336297	LOC442213	191913 base downstream	p12.3	CT	0.8925	0.746	0.0006245
8	rs12335174	120041852	TNFRSF11B	8288 base downstream	q24.12	GT	0.9462	0.688	0.0006257
10	rs17574901	115729399	ADRB1	64396 base upstream	q25.3	CT	0.9407	0.686	0.000626
17	rs6501572	68395857	SLC39A11	intron 5	q24.3	GT	0.3946	1.2	0.000626
5	rs17416034	104064571	NUDT12	1138182 base downstream	q21.2	CT	0.8346	0.787	0.0006264
5	rs188027	64077497	P18SRP	intron 3	q12.3	CT	0.4652	1.195	0.0006265
5	rs325565	104087924	NUDT12	1161535 base downstream	q21.2	GT	0.1658	1.272	0.0006267
1	rs591545	98737106	SNX7	162694 base upstream	p21.3	CT	0.072	0.686	0.0006267

10	rs17653278	115728492	ADRB1	65303 base upstream	q25.3	CG	0.9399	0.684	0.0006268
4	rs2090900	58906337	IGFBP7	1235041 base downstream	q12	AC	0.2775	0.815	0.0006271
2	rs17864534	51617864	NRXN1	504686 base downstream	p16.3	CT	0.4397	1.209	0.0006271
17	rs8069336	68396477	SLC39A11	intron 5	q24.3	AG	0.3946	1.201	0.0006272
8	rs4876873	120039201	TNFRSF11B	5637 base downstream	q24.12	AC	0.0538	1.453	0.000628
16	rs3924627	8571128	C16orf68	51899 base upstream	p13.2	AG	0.6257	0.831	0.0006283
2	rs1419948	229868406	PID1	24105 base downstream	q36.3	AC	0.9285	0.712	0.0006286
6	rs2535672	94846661	EPHA7	660668 base downstream	q16.1	AG	0.5844	0.835	0.0006287
7	rs473816	125570670	GRM8	295222 base upstream	q31.33	AG	0.1216	0.758	0.0006289
8	rs10109779	14884317	SGCZ	intron 7	p22	AG	0.5812	0.821	0.0006298
3	rs1505595	63505317	SYNPR	intron 2	p14.2	CT	0.7981	1.271	0.0006302
5	rs12518236	104120449	NUDT12	1194060 base downstream	q21.2	AG	0.1285	1.318	0.0006308
8	rs4876872	120038338	TNFRSF11B	4774 base downstream	q24.12	AG	0.9461	0.688	0.000631
20	rs2426130	47147339	CSE1L	448 base downstream	q13.13	CT	0.0773	1.404	0.000631
14	rs8013167	32679948	NPAS3	intron 1	q13.1	AG	0.2801	1.219	0.0006324
2	rs1419947	229868477	PID1	24176 base downstream	q36.3	AG	0.9286	0.712	0.0006368
8	rs12386956	120037209	TNFRSF11B	3645 base downstream	q24.12	AG	0.0539	1.452	0.0006379
5	rs325567	104088490	NUDT12	1162101 base downstream	q21.2	CT	0.8341	0.786	0.0006381
8	rs17758011	120042745	TNFRSF11B	9181 base downstream	q24.12	GT	0.0538	1.452	0.0006387
12	rs12824729	94627360	NTN4	intron 5	q22	AG	0.2308	1.236	0.0006389
21	rs2837176	40054216	LOC150084	intron 2	q22.2	CG	0.3635	1.215	0.00064
10	rs17653713	115736409	ADRB1	57386 base upstream	q25.3	CT	0.9429	0.691	0.0006401
5	rs17097481	141067873	CENTD3	25889 base downstream	q31.3	CT	0.125	1.322	0.0006401
10	rs11593900	110740500	XPNPEP1	874013 base upstream	q25.1	CT	0.181	0.791	0.0006401
12	rs11108202	94624381	NTN4	intron 5	q22	AG	0.2308	1.237	0.0006403
7	rs618766	125569040	GRM8	296852 base upstream	q31.33	GT	0.1215	0.758	0.0006405
2	rs4849121	111316177	ACOXL	intron 10	q13	AG	0.4705	0.837	0.0006408
3	rs1027764	63504654	SYNPR	intron 2	p14.2	GT	0.2019	0.788	0.0006416
8	rs3134073	120035902	TNFRSF11B	2338 base downstream	q24.12	AG	0.9461	0.689	0.0006417
5	rs325569	104089373	NUDT12	1162984 base downstream	q21.2	AT	0.8341	0.786	0.0006422
7	rs492757	125567593	GRM8	298299 base upstream	q31.33	AT	0.8785	1.319	0.0006428
2	rs4849143	113503827	IL1F8	intron 3	q13	CG	0.6875	0.824	0.0006441
10	rs10508745	30470812	KIAA1462	94006 base downstream	p11.23	CT	0.2475	1.226	0.0006442
10	rs7896890	30470483	KIAA1462	93677 base downstream	p11.23	CT	0.7525	0.816	0.0006452
2	rs3795980	38204318	CYP1B1	47522 base downstream	p22.2	GT	0.8762	0.767	0.0006453
7	rs653569	125565214	GRM8	300678 base upstream	q31.33	AG	0.1215	0.758	0.0006463
21	rs9983659	40054047	LOC150084	intron 2	q22.2	CT	0.3635	1.215	0.0006464

11	rs2418583	32207093	RCN1	123440 base downstream	p13	CT	0.6749	1.213	0.0006466
6	rs658208	94849976	EPHA7	663983 base downstream	q16.1	AG	0.4153	1.197	0.0006467
11	rs374729	115297985	CADM1	417534 base downstream	q23.2	AG	0.2878	1.221	0.0006471
5	rs12520736	104090901	NUDT12	1164512 base downstream	q21.2	CT	0.166	1.272	0.0006476
6	rs2787950	94859869	EPHA7	673876 base downstream	q16.1	AC	0.5601	0.831	0.0006483
10	rs11007912	30461295	KIAA1462	84489 base downstream	p11.23	CG	0.2477	1.227	0.0006488
10	rs11007913	30463891	KIAA1462	87085 base downstream	p11.23	AG	0.2477	1.227	0.0006489
8	rs4585701	82125199	PAG1	intron 7	q21.13	CT	0.9431	1.474	0.0006491
4	rs4132377	166318168	KLHL2	30072 base upstream	q32.3	CG	0.9418	0.687	0.0006492
4	rs12648092	58905977	IGFBP7	1234681 base downstream	q12	AG	0.2781	0.816	0.0006497
7	rs648172	125571034	GRM8	294858 base upstream	q31.33	AT	0.1217	0.759	0.0006497
8	rs3134072	120034718	TNFRSF11B	1154 base downstream	q24.12	CT	0.9461	0.689	0.0006499
10	rs11194258	110501214	XPNPEP1	1113299 base upstream	q25.1	AG	0.8175	1.269	0.0006502
5	rs161456	104090924	NUDT12	1164535 base downstream	q21.2	CT	0.834	0.786	0.0006505
10	rs11007851	30332603	KIAA1462	10786 base upstream	p11.23	CT	0.5537	0.831	0.0006506
10	rs11599609	110714483	XPNPEP1	900030 base upstream	q25.1	CT	0.8192	1.264	0.0006508
4	rs12648067	58905886	IGFBP7	1234590 base downstream	q12	AG	0.2781	0.817	0.0006517
5	rs11950581	40304970	PTGER4	410818 base upstream	p13.1	AG	0.6639	0.825	0.0006519
10	rs11593939	110740736	XPNPEP1	873777 base upstream	q25.1	CT	0.1812	0.791	0.0006519
5	rs161782	104091358	NUDT12	1164969 base downstream	q21.2	AG	0.166	1.272	0.000652
21	rs2837175	40053815	LOC150084	intron 2	q22.2	CT	0.3636	1.215	0.0006521
5	rs161457	104090937	NUDT12	1164548 base downstream	q21.2	CT	0.166	1.272	0.0006522
6	rs2523407	29829284	HLA-F	27002 base downstream	p22.1	CG	0.8284	0.786	0.0006523
6	rs546100	94860527	EPHA7	674534 base downstream	q16.1	AC	0.4316	1.201	0.0006525
3	rs11130944	63503954	SYNPR	intron 2	p14.2	CT	0.202	0.79	0.0006528
3	rs1268623	124794918	PTPLB	8304 base downstream	q21.1	GT	0.1993	1.261	0.0006536
6	rs606061	94852999	EPHA7	667006 base downstream	q16.1	AG	0.4153	1.197	0.0006539
21	rs4816652	40052396	LOC150084	intron 2	q22.2	CT	0.6468	0.821	0.0006541
6	rs591551	94854912	EPHA7	668919 base downstream	q16.1	CT	0.4153	1.197	0.0006543
6	rs694170	94854362	EPHA7	668369 base downstream	q16.1	AG	0.4153	1.197	0.0006545
2	rs6733018	232133520	NMUR1	30073 base downstream	q37.1	AG	0.0815	1.38	0.0006547
8	rs3102725	120020186	TNFRSF11B	intron 4	q24.12	AG	0.054	1.45	0.0006547
10	rs12256452	110503291	XPNPEP1	1111222 base upstream	q25.1	CG	0.8175	1.268	0.0006547
2	rs11886047	43704094	PLEKHH2	13856 base upstream	p21	CT	0.2492	0.796	0.0006548
2	rs1528813	51646400	NRXN1	533222 base downstream	p16.3	AT	0.548	0.836	0.0006553
19	rs1864132	38737515	PEPD	32874 base downstream	q13.11	AG	0.1179	0.757	0.0006553
8	rs11990927	135092082	ST3GAL1	438738 base downstream	q24.22	AG	0.5715	1.196	0.0006556

6	rs16877105	15948412	DTNBP1	177162 base downstream	p22.3	AG	0.131	1.3	0.0006556
8	rs3134070	120034205	TNFRSF11B	641 base downstream	q24.12	CT	0.9461	0.689	0.0006557
8	rs2127938	82122134	PAG1	intron 7	q21.13	CT	0.0569	0.677	0.000656
6	rs3873283	30040979	HCG9	9891 base upstream	p21.33	AG	0.8635	1.311	0.0006562
7	rs654111	125571959	GRM8	293933 base upstream	q31.33	CT	0.1217	0.759	0.0006564
8	rs3134069	120034169	TNFRSF11B	605 base downstream	q24.12	AC	0.9461	0.689	0.0006565
5	rs161783	104091863	NUDT12	1165474 base downstream	q21.2	CT	0.834	0.786	0.0006566
6	rs9363138	94814379	EPHA7	628386 base downstream	q16.1	GT	0.4232	1.196	0.0006568
10	rs10509877	110503533	XPNPEP1	1110980 base upstream	q25.1	AG	0.8175	1.268	0.0006568
11	rs12285496	2794317	KCNQ1	intron 15	p15.5	CG	0.2015	1.254	0.0006569
7	rs651763	125565195	GRM8	300697 base upstream	q31.33	AC	0.1215	0.758	0.0006573
6	rs16877108	15948658	DTNBP1	177408 base downstream	p22.3	AG	0.869	0.769	0.0006576
8	rs11998159	135092098	ST3GAL1	438754 base downstream	q24.22	AG	0.4285	0.836	0.0006583
16	rs2908915	47674551	CBLN1	195650 base upstream	q12.1	CT	0.4622	0.834	0.0006585
7	rs674616	125572333	GRM8	293559 base upstream	q31.33	CT	0.1217	0.759	0.0006585
5	rs161785	104092841	NUDT12	1166452 base downstream	q21.2	AC	0.834	0.786	0.0006591
6	rs546226	94860568	EPHA7	674575 base downstream	q16.1	AG	0.5683	0.833	0.0006608
5	rs416286	73297869	RGNEF	54585 base downstream	q13.2	AG	0.7228	1.219	0.0006609
15	rs1159895	84618315	FLJ32310	intron 14	q25.3	AG	0.3296	1.215	0.000661
11	rs2200174	18877606	MRGPRX1	34329 base upstream	p15.1	AG	0.1071	1.339	0.0006611
10	rs4751138	131545202	EBF3	intron 6	q26.3	CT	0.7292	1.232	0.0006619
6	rs9320803	121666786	C6orf170	intron 24	q22.31	CT	0.8241	0.795	0.0006621
5	rs161786	104093239	NUDT12	1166850 base downstream	q21.2	CT	0.1661	1.272	0.0006622
6	rs16877113	15948891	DTNBP1	177641 base downstream	p22.3	AC	0.131	1.3	0.0006626
6	rs9260734	30040645	HCG9	10225 base upstream	p21.33	AG	0.1366	0.763	0.0006636
4	rs984924	82339936	PRKG2	intron 17	q21.21	AG	0.9374	0.679	0.000664
5	rs161787	104093326	NUDT12	1166937 base downstream	q21.2	CT	0.8339	0.786	0.0006656
2	rs7568264	46182056	PRKCE	intron 11	p21	AG	0.2371	0.801	0.0006657
8	rs3102734	120033197	TNFRSF11B	intron 4	q24.12	AG	0.0539	1.45	0.0006662
9	rs11138705	82311365	TLE4	779888 base downstream	q21.31	CG	0.7633	0.801	0.0006665
4	rs11725852	109416443	LEF1	107416 base downstream	q25	CT	0.7318	1.23	0.000667
4	rs12641535	58905741	IGFBP7	1234445 base downstream	q12	CT	0.7216	1.223	0.000667
5	rs161788	104095776	NUDT12	1169387 base downstream	q21.2	CT	0.1661	1.272	0.0006674
8	rs1052873	27723712	PBK	EXON 1	p21.1	CT	0.7969	1.26	0.0006677
11	rs2418582	32207041	RCN1	123388 base downstream	p13	AG	0.675	1.214	0.0006678
7	rs920802	121757354	CADPS2	intron 2	q31.32	AG	0.4113	0.827	0.0006687
8	rs3134068	120031840	TNFRSF11B	intron 4	q24.12	CT	0.0539	1.45	0.0006695

8	rs11986666	82124010	PAG1	intron 7	q21.13	AC	0.9429	1.468	0.0006709
20	rs2426133	47156669	STAU1	6615 base upstream	q13.13	CT	0.0606	1.477	0.0006718
1	rs6668777	55456395	USP24	3045 base downstream	p32.3	AC	0.7566	0.811	0.0006719
10	rs11593385	110709762	XPNPEP1	904751 base upstream	q25.1	CT	0.181	0.791	0.0006722
2	rs918804	38226868	CYP1B1	70072 base downstream	p22.2	AT	0.8595	0.778	0.0006724
8	rs16918909	54312587	OPRK1	intron 2	q11.23	AG	0.9018	1.366	0.0006732
7	rs642710	125565143	GRM8	300749 base upstream	q31.33	CT	0.8786	1.319	0.0006753
8	rs3102733	120031301	TNFRSF11B	intron 4	q24.12	CT	0.0539	1.449	0.0006757
21	rs4816653	40052413	LOC150084	intron 2	q22.2	CT	0.6362	0.823	0.0006761
6	rs471348	94855506	EPHA7	669513 base downstream	q16.1	AG	0.5845	0.835	0.0006763
10	rs7915293	30434183	KIAA1462	57377 base downstream	p11.23	AG	0.6743	0.828	0.0006769
10	rs17779016	110714051	XPNPEP1	900462 base upstream	q25.1	AG	0.8191	1.263	0.0006772
8	rs3134067	120030619	TNFRSF11B	intron 4	q24.12	CT	0.9461	0.69	0.0006777
6	rs1927587	15953087	DTNBP1	181837 base downstream	p22.3	CT	0.8689	0.77	0.0006779
2	rs12712969	46185673	PRKCE	intron 11	p21	CT	0.2441	0.803	0.000678
16	rs2967260	47660593	CBLN1	209608 base upstream	q12.1	AT	0.5376	1.203	0.0006782
5	rs7723455	164229034	MAT2B	1350131 base downstream	q34	AC	0.2757	0.811	0.0006788
3	rs9850250	45188375	CDCP1	25457 base downstream	p21.31	AT	0.571	0.834	0.0006791
3	rs7651813	172708739	TNIK	48193 base downstream	q26.31	AG	0.758	1.239	0.0006792
3	rs1994727	22206935	ZNF659	439115 base downstream	p24.3	AT	0.8227	0.797	0.0006793
6	rs1352380	94782808	EPHA7	596815 base downstream	q16.1	CT	0.438	1.194	0.0006798
5	rs17348299	55358652	IL6ST	32132 base downstream	q11.2	AC	0.1751	1.285	0.00068
8	rs3134066	120029532	TNFRSF11B	intron 4	q24.12	AT	0.9461	0.69	0.0006805
10	rs4933978	85961327	PCDH21	intron 13	q23.1	AG	0.2526	0.816	0.0006823
4	rs12647365	58905626	IGFBP7	1234330 base downstream	q12	AG	0.2788	0.818	0.0006827
21	rs2410182	40101946	LOC150084	6053 base downstream	q22.2	AG	0.4164	0.836	0.0006842
8	rs3102731	120028570	TNFRSF11B	intron 4	q24.12	AG	0.0539	1.448	0.0006852
8	rs3134062	120028459	TNFRSF11B	intron 4	q24.12	AG	0.9461	0.691	0.0006861
6	rs9398632	121702869	C6orf170	5526 base downstream	q22.31	AC	0.8237	0.796	0.0006861
6	rs9320809	121698543	C6orf170	1200 base downstream	q22.31	AG	0.8237	0.796	0.0006862
2	rs1406429	51647831	NRXN1	534653 base downstream	p16.3	CT	0.5486	0.836	0.0006865
2	rs1116246	46183371	PRKCE	intron 11	p21	AG	0.7561	1.245	0.0006866
7	rs585146	125574072	GRM8	291820 base upstream	q31.33	CT	0.8781	1.316	0.0006867
8	rs3102726	120024531	TNFRSF11B	intron 4	q24.12	AT	0.9461	0.691	0.0006871
13	rs283982	75986324	KCTD12	365980 base upstream	q22.2	CT	0.2097	1.252	0.0006879
2	rs4851164	98846759	MGC42367	intron 9	q11.2	CT	0.9447	0.678	0.0006889
8	rs3134059	120025033	TNFRSF11B	intron 4	q24.12	CT	0.0539	1.448	0.0006893

8	rs3102729	120025686	TNFRSF11B	intron 4	q24.12	AG	0.0539	1.448	0.00069
8	rs3134060	120025224	TNFRSF11B	intron 4	q24.12	AG	0.9461	0.691	0.0006909
8	rs3134061	120025500	TNFRSF11B	intron 4	q24.12	AT	0.0539	1.448	0.000692
21	rs238962	16554814	C21orf34	intron 4	q21.1	CT	0.6212	0.828	0.0006942
6	rs6557347	154740453	PIP3-E	20861 base downstream	q25.2	CT	0.0542	0.666	0.0006942
6	rs7772909	6092904	F13A1	intron 1	p25.1	CT	0.1689	1.265	0.0006947
2	rs10167555	46174610	PRKCE	intron 11	p21	GT	0.8058	1.253	0.0006954
2	rs17022034	98853280	MGC42367	intron 9	q11.2	AT	0.9448	0.677	0.0006954
2	rs9678578	113527418	IL1F8	507 base downstream	q13	AT	0.6865	0.825	0.0006957
6	rs7748218	6092368	F13A1	intron 1	p25.1	CT	0.8311	0.791	0.0006962
4	rs17218140	58904343	IGFBP7	1233047 base downstream	q12	GT	0.7209	1.221	0.0006963
10	rs560559	30537356	PAPD1	104408 base upstream	p11.23	AG	0.2701	1.225	0.0006974
7	rs6973468	9678156	NXPH1	919039 base downstream	p21.3	GT	0.813	1.276	0.0006974
5	rs436777	73300336	RGNEF	57052 base downstream	q13.3	AG	0.7226	1.219	0.0006983
2	rs1797392	232130501	NMUR1	27054 base downstream	q37.1	CT	0.9195	0.724	0.0006983
3	rs11926493	63498351	SYNPR	intron 2	p14.2	CT	0.8075	1.264	0.0006986
15	rs7181898	51234395	WDR72	358834 base upstream	q21.3	AG	0.2406	1.232	0.0006989
6	rs9388559	127643410	RNF146	intron 2	q22.33	AG	0.0364	1.533	0.0006989
6	rs7764180	127647360	RNF146	intron 3	q22.33	AC	0.9636	0.653	0.0006989
6	rs9401947	127643754	RNF146	intron 2	q22.33	CT	0.9636	0.653	0.0006989
6	rs9321072	127648042	RNF146	intron 3	q22.33	CT	0.9636	0.653	0.0006989
6	rs9401948	127666637	ECHDC1	intron 1	q22.33	CT	0.9636	0.653	0.0006992
6	rs6936084	127655994	ECHDC1	intron 1	q22.33	AG	0.0364	1.532	0.0006992
6	rs9372862	127642939	RNF146	intron 1	q22.33	CT	0.0364	1.532	0.0006992
6	rs761842	127662563	ECHDC1	intron 1	q22.33	AT	0.9636	0.653	0.0006992
6	rs9372863	127659891	ECHDC1	intron 1	q22.33	AG	0.9636	0.653	0.0006992
6	rs9401949	127692809	ECHDC1	intron 4	q22.33	CT	0.0364	1.532	0.0006994
6	rs9372865	127691077	ECHDC1	intron 4	q22.33	CT	0.9636	0.653	0.0006995
6	rs4141423	127690339	ECHDC1	intron 4	q22.33	CT	0.9636	0.653	0.0006995
6	rs9375500	127688899	ECHDC1	intron 3	q22.33	CT	0.0364	1.532	0.0006995
6	rs9372861	127642888	RNF146	intron 1	q22.33	CT	0.9636	0.653	0.0006997
21	rs2837223	40085103	LOC150084	intron 6	q22.2	CT	0.3166	1.207	0.0006999
15	rs8041239	86276360	NTRK3	intron 4	q25.3	AG	0.7974	1.264	0.0007
7	rs498875	125577694	GRM8	288198 base upstream	q31.33	CT	0.122	0.76	0.0007007
6	rs9372866	127697120	ECHDC1	intron 4	q22.33	CT	0.0364	1.533	0.000701
4	rs11727794	58903846	IGFBP7	1232550 base downstream	q12	AC	0.2792	0.819	0.0007011
20	rs6012644	47381910	KCNB1	40001 base upstream	q13.13	CG	0.0661	1.471	0.0007014

2	rs4851166	98860167	MGC42367	intron 9	q11.2	CT	0.9448	0.677	0.0007017
4	rs178329	189573141	FLJ36180	267498 base downstream	q35.2	AG	0.1954	1.27	0.0007018
21	rs11701338	40083878	LOC150084	intron 6	q22.2	CT	0.6834	0.828	0.0007022
11	rs633683	118009952	PHLDB1	intron 10	q23.3	CT	0.599	0.827	0.0007025
21	rs760285	40083524	LOC150084	intron 6	q22.2	AG	0.6834	0.828	0.0007031
16	rs17664315	6607296	A2BP1	intron 2	p13.2	GT	0.4919	1.199	0.0007032
6	rs9277053	33114200	HLA-DPA1	26571 base upstream	p21.32	AG	0.292	0.811	0.0007033
6	rs9375502	127698485	ECHDC1	intron 4	q22.33	GT	0.9637	0.652	0.000704
1	rs10900601	202838673	LRRN5	14254 base upstream	q32.1	AG	0.2976	1.217	0.0007043
5	rs2962851	164230392	MAT2B	1351489 base downstream	q34	AG	0.2776	0.811	0.0007059
4	rs11735710	58903429	IGFBP7	1232133 base downstream	q12	AG	0.2794	0.819	0.0007062
3	rs6763775	129059205	MGLL	34464 base downstream	q21.3	CG	0.8434	0.771	0.0007094
1	rs7526907	110912891	KCNA2	34407 base upstream	p13.3	AG	0.7401	0.818	0.0007099
6	rs7748589	14489463	CD83	244338 base downstream	p23	AG	0.5263	0.835	0.0007099
5	rs2962852	164230439	MAT2B	1351536 base downstream	q34	AG	0.2776	0.811	0.0007101
1	rs12092511	51249676	CDKN2C	36781 base downstream	p33	AG	0.4286	0.836	0.0007106
20	rs6107609	5210119	PROKR2	20567 base upstream	p12.3	CT	0.5045	0.838	0.0007109
6	rs749212	124525535	TCBA1	intron 1	q22.31	AG	0.8762	1.308	0.000711
2	rs13411546	128338961	MGC4268	EXON 1	q14.3	AG	0.4089	1.202	0.0007114
2	rs1226973	229871291	PID1	26990 base downstream	q36.3	AC	0.9288	0.715	0.0007123
2	rs17022036	98863360	MGC42367	intron 9	q11.2	GT	0.9448	0.676	0.0007124
20	rs4580454	5210168	PROKR2	20518 base upstream	p12.3	CG	0.5046	0.838	0.000713
20	rs2326618	5211444	PROKR2	19242 base upstream	p12.3	AG	0.4953	1.193	0.0007137
8	rs2511586	105323016	RIMS2	intron 19	q22.3	AG	0.6871	0.826	0.0007139
16	rs2967255	47669016	CBLN1	201185 base upstream	q12.1	AC	0.4624	0.833	0.0007143
7	rs635680	125578124	GRM8	287768 base upstream	q31.33	CG	0.122	0.761	0.0007153
1	rs2166307	66825324	SGIP1	intron 1	p31.3	CT	0.1269	1.324	0.0007155
10	rs10887255	85962578	PCDH21	intron 15	q23.1	CT	0.2528	0.816	0.0007163
5	rs161790	104100998	NUDT12	1174609 base downstream	q21.2	CT	0.8335	0.787	0.0007164
5	rs11133949	2515225	IRX2	284654 base upstream	p15.33	AG	0.6062	1.199	0.000717
5	rs161791	104101159	NUDT12	1174770 base downstream	q21.2	GT	0.1665	1.271	0.0007178
3	rs515920	54693761	CACNA2D3	intron 11	p14.3	CT	0.5122	0.833	0.0007178
12	rs6490059	115293528	THRAP2	94002 base downstream	q24.21	CT	0.0579	1.448	0.000718
2	rs10182566	29141212	FLJ34931	EXON 1	p23.2	CT	0.7435	0.808	0.0007183
8	rs2100119	3343653	CSMD1	intron 60	p23.2	AG	0.7871	1.247	0.0007184
2	rs10188379	38224980	CYP1B1	68184 base downstream	p22.2	CG	0.2064	1.241	0.0007191
20	rs910970	5219710	PROKR2	10976 base upstream	p12.3	CT	0.4952	1.193	0.00072

4	rs2174394	136738151	PABPC4L	1395798 base downstream	q28.3	AG	0.1339	1.321	0.0007205
12	rs7313246	9920781	CLEC2B	7056 base downstream	p13.31	AT	0.7161	0.82	0.0007207
6	rs9388558	127638279	RNF146	intron 1	q22.33	AT	0.9636	0.653	0.0007207
4	rs2102279	136739022	PABPC4L	1396669 base downstream	q28.3	CT	0.1339	1.321	0.0007212
6	rs1050783	6090691	F13A1	EXON 1	p25.1	CT	0.8311	0.791	0.0007226
2	rs1574516	98867750	MGC42367	intron 9	q11.2	CT	0.9449	0.675	0.0007228
4	rs3913354	109399892	LEF1	90865 base downstream	q25	AT	0.7318	1.227	0.0007231
2	rs12477409	46181464	PRKCE	intron 11	p21	CG	0.7566	1.245	0.0007231
20	rs6038126	5221314	PROKR2	9372 base upstream	p12.3	CT	0.495	1.193	0.0007233
6	rs682644	94856518	EPHA7	670525 base downstream	q16.1	CT	0.416	1.198	0.0007239
1	rs884108	202857860	LRRN5	intron 1	q32.1	AG	0.2375	1.24	0.000724
2	rs2345955	46174384	PRKCE	intron 11	p21	CT	0.2002	0.8	0.0007266
16	rs2967254	47669641	CBLN1	200560 base upstream	q12.1	CT	0.5376	1.199	0.0007278
3	rs2366434	59332476	FLJ42117	321721 base downstream	p14.2	AG	0.3843	1.2	0.0007283
6	rs2787948	94856881	EPHA7	670888 base downstream	q16.1	CT	0.4161	1.198	0.0007291
12	rs1376795	128846223	TMEM132D	intron 8	q24.33	CT	0.294	1.212	0.0007297
2	rs12477342	46181374	PRKCE	intron 11	p21	CT	0.2433	0.804	0.0007302
2	rs990524	113532952	IL1F5	intron 1	q13	CT	0.3136	1.211	0.0007303
6	rs3024457	6097407	F13A1	intron 2	p25.1	AC	0.1707	1.262	0.0007306
13	rs4265682	100537995	VGCNL1	intron 14	q33.1	GT	0.5957	1.213	0.0007307
10	rs10887256	85963395	PCDH21	intron 16	q23.1	CG	0.2249	0.805	0.0007329
21	rs2837246	40136888	PCP4	24328 base upstream	q22.2	CT	0.3119	1.209	0.0007337
4	rs11935719	136722837	PABPC4L	1380484 base downstream	q28.3	AG	0.2032	1.244	0.0007338
7	rs650045	125579026	GRM8	286866 base upstream	q31.33	AG	0.1221	0.761	0.0007338
4	rs11935664	136722856	PABPC4L	1380503 base downstream	q28.3	CT	0.7968	0.804	0.0007345
4	rs9312697	58878691	IGFBP7	1207395 base downstream	q12	AG	0.7192	1.216	0.0007352
4	rs11940405	136722879	PABPC4L	1380526 base downstream	q28.3	GT	0.2032	1.244	0.0007352
7	rs626762	125563862	GRM8	302030 base upstream	q31.33	AC	0.1263	0.752	0.0007357
1	rs1863618	81222832	LPHN2	815837 base upstream	p31.1	AG	0.6063	1.207	0.0007365
4	rs13145036	136727429	PABPC4L	1385076 base downstream	q28.3	AG	0.7967	0.804	0.0007384
4	rs7667350	136726319	PABPC4L	1383966 base downstream	q28.3	AG	0.7967	0.804	0.0007384
7	rs553952	125579136	GRM8	286756 base upstream	q31.33	CT	0.8779	1.313	0.0007384
11	rs6483549	18884861	MRGPRX1	27074 base upstream	p15.1	CG	0.8934	0.748	0.0007385
4	rs7662409	136726126	PABPC4L	1383773 base downstream	q28.3	CG	0.7967	0.804	0.0007385
4	rs13131704	136725872	PABPC4L	1383519 base downstream	q28.3	AT	0.7968	0.804	0.0007386
4	rs12643192	136725857	PABPC4L	1383504 base downstream	q28.3	CG	0.7968	0.804	0.0007388
4	rs1479789	136724400	PABPC4L	1382047 base downstream	q28.3	AG	0.2032	1.244	0.0007388

4	rs1479788	136724188	PABPC4L	1381835 base downstream	q28.3	AT	0.7968	0.804	0.000739
4	rs1479787	136724155	PABPC4L	1381802 base downstream	q28.3	CT	0.7968	0.804	0.0007391
4	rs2127459	136723951	PABPC4L	1381598 base downstream	q28.3	GT	0.7968	0.804	0.0007391
17	rs16945089	11467738	DNAH9	intron 6	p12	CG	0.8325	1.297	0.0007391
11	rs2896547	18884296	MRGPRX1	27639 base upstream	p15.1	AG	0.1066	1.337	0.0007393
4	rs2054506	136723423	PABPC4L	1381070 base downstream	q28.3	CG	0.7968	0.804	0.0007395
4	rs2054505	136723371	PABPC4L	1381018 base downstream	q28.3	CT	0.7968	0.804	0.0007398
6	rs2073298	127720097	ECHDC1	13650 base downstream	q22.33	CT	0.9638	0.653	0.0007399
6	rs6569485	127717884	ECHDC1	11437 base downstream	q22.33	CT	0.9638	0.653	0.0007399
6	rs9375505	127739111	ECHDC1	32664 base downstream	q22.33	CT	0.0362	1.532	0.0007399
11	rs1384648	18886008	MRGPRX1	25927 base upstream	p15.1	CT	0.8934	0.748	0.0007404
13	rs9553915	26340889	GPR12	108925 base downstream	q12.13	AG	0.8674	0.763	0.0007406
8	rs753722	134285128	WISP1	intron 1	q24.22	CG	0.2951	0.822	0.0007415
6	rs9385420	127744028	ECHDC1	37581 base downstream	q22.33	AG	0.9638	0.653	0.0007419
4	rs12504808	189571301	FLJ36180	265658 base downstream	q35.2	CT	0.8039	0.789	0.0007419
4	rs12504780	189571191	FLJ36180	265548 base downstream	q35.2	CT	0.8039	0.789	0.000743
6	rs4713614	33235965	COL11A2	2481 base upstream	p21.32	AC	0.5472	0.835	0.000744
12	rs7297205	10712107	STYK1	intron 10	p13.2	CT	0.637	1.208	0.0007441
6	rs802274	124525158	TCBA1	intron 1	q22.31	AG	0.1238	0.765	0.0007444
12	rs10507059	94629965	NTN4	intron 6	q22	CT	0.7683	0.811	0.000746
1	rs3813634	51248076	CDKN2C	35181 base downstream	p33	AG	0.4287	0.837	0.0007474
10	rs12220219	30437845	KIAA1462	61039 base downstream	p11.23	CT	0.3109	1.206	0.0007477
4	rs11935796	136716070	PABPC4L	1373717 base downstream	q28.3	AG	0.7862	0.807	0.0007478
7	rs556478	125579381	GRM8	286511 base upstream	q31.33	CT	0.1222	0.762	0.0007502
12	rs1376796	128846311	TMEM132D	intron 8	q24.33	GT	0.7061	0.825	0.0007504
12	rs1031400	128845279	TMEM132D	intron 8	q24.33	AG	0.706	0.825	0.0007514
2	rs12373805	46174598	PRKCE	intron 11	p21	AG	0.7998	1.249	0.0007518
4	rs6823080	151134607	DCLK2	84922 base upstream	q31.3	AC	0.1629	1.265	0.0007524
6	rs10944710	94788810	EPHA7	602817 base downstream	q16.1	CT	0.4381	1.193	0.000753
2	rs4849144	113516520	IL1F8	intron 5	q13	AG	0.323	1.209	0.0007531
2	rs7569284	113520034	IL1F8	intron 5	q13	AG	0.677	0.827	0.0007534
4	rs11133555	58880555	IGFBP7	1209259 base downstream	q12	AG	0.7192	1.216	0.0007538
2	rs7557928	113514439	IL1F8	intron 5	q13	GT	0.677	0.827	0.0007538
10	rs17295031	30437462	KIAA1462	60656 base downstream	p11.23	AG	0.687	0.831	0.0007544
20	rs4597612	5209578	PROKR2	21108 base upstream	p12.3	GT	0.5045	0.839	0.0007545
8	rs2012994	14907628	SGCZ	intron 7	p22	AG	0.5076	1.195	0.0007555
7	rs475294	125580265	GRM8	285627 base upstream	q31.33	CT	0.8778	1.312	0.0007556

2	rs10196888	55889730	EFEMP1	56875 base upstream	p16.1	AG	0.9423	0.688	0.000756
2	rs7592062	51622416	NRXN1	509238 base downstream	p16.3	AG	0.4406	1.2	0.0007562
12	rs3021522	2779406	FKBP4	intron 6	p13.33	CG	0.9572	0.641	0.0007573
2	rs2862776	113514395	IL1F8	intron 5	q13	AG	0.6769	0.827	0.0007582
2	rs1569190	51645271	NRXN1	532093 base downstream	p16.3	GT	0.5753	0.83	0.0007582
3	rs2618115	27918162	EOMES	179373 base downstream	p24.1	AG	0.1161	0.728	0.0007586
16	rs9936914	7338583	A2BP1	intron 4	p13.2	AT	0.096	1.339	0.0007587
16	rs9934586	7338453	A2BP1	intron 4	p13.2	AG	0.904	0.747	0.000759
8	rs6981423	135164118	ZNF406	395095 base upstream	q24.22	CT	0.448	1.193	0.0007599
12	rs10773708	128847165	TMEM132D	intron 8	q24.33	AG	0.7061	0.825	0.0007612
7	rs501483	125580852	GRM8	285040 base upstream	q31.33	AG	0.8778	1.312	0.0007612
6	rs12206267	51868413	PKHD1	intron 24	p12.2	CT	0.8131	1.27	0.0007639
8	rs7001769	54436653	OPRK1	109906 base downstream	q11.23	CT	0.1654	0.783	0.000764
9	rs11138196	81214260	CHCHD9	17490 base downstream	q21.31	AT	0.0281	1.716	0.0007648
2	rs2950945	51622443	NRXN1	509265 base downstream	p16.3	AG	0.4405	1.2	0.0007656
11	rs1973238	18888602	MRGPRX1	23333 base upstream	p15.1	CG	0.8934	0.748	0.0007665
1	rs2811280	176952870	RALGPS2	8052 base upstream	q25.2	AG	0.6538	1.204	0.0007673
9	rs1217339	71237419	APBA1	intron 2	q21.11	AG	0.1895	0.795	0.0007676
12	rs7135319	2212678	CACNA1C	intron 3	p13.33	AG	0.9669	0.588	0.0007677
9	rs3737172	71237455	APBA1	intron 2	q21.11	CT	0.8105	1.258	0.0007681
3	rs658339	8907353	RAD18	intron 2	p25.3	AG	0.0364	0.607	0.0007681
4	rs13122550	136728035	PABPC4L	1385682 base downstream	q28.3	CT	0.2036	1.243	0.0007682
5	rs2610243	64066108	P18SRP	intron 2	q12.3	GT	0.5247	0.838	0.0007683
9	rs1217338	71237918	APBA1	intron 2	q21.11	CT	0.1895	0.795	0.0007687
12	rs1981655	2777987	FKBP4	intron 3	p13.33	AT	0.9571	0.642	0.0007696
3	rs1505600	63493882	SYNPR	intron 2	p14.2	CG	0.202	0.801	0.0007697
3	rs17014951	24627817	THRB	116500 base downstream	p24.2	AG	0.7373	1.235	0.0007697
7	rs505793	125581262	GRM8	284630 base upstream	q31.33	CT	0.1222	0.762	0.0007705
3	rs1394902	63494733	SYNPR	intron 2	p14.2	CT	0.798	1.248	0.0007712
3	rs6446043	59331465	FLJ42117	320710 base downstream	p14.2	AT	0.6153	0.833	0.0007718
2	rs2305150	113505787	IL1F8	EXON 5	q13	CT	0.4426	1.196	0.0007722
2	rs13415031	107784033	SLC5A7	185393 base upstream	q12.3	CG	0.346	0.812	0.0007722
5	rs315892	2511057	IRX2	288822 base upstream	p15.33	CT	0.3243	0.821	0.0007724
6	rs9401954	127754044	ECHDC1	47597 base downstream	q22.33	AC	0.9636	0.656	0.0007733
3	rs1394901	63494767	SYNPR	intron 2	p14.2	CT	0.202	0.801	0.0007735
10	rs2151114	30532611	PAPD1	109153 base upstream	p11.23	AG	0.2774	1.215	0.0007738
3	rs4392412	63495077	SYNPR	intron 2	p14.2	GT	0.202	0.801	0.0007742

3	rs652424	54720595	CACNA2D3	intron 11	p14.3	CT	0.584	1.206	0.0007742
12	rs7980332	97115342	TMPO	318197 base upstream	q23.1	AC	0.8658	1.317	0.000775
3	rs985370	63495157	SYNPR	intron 2	p14.2	AG	0.798	1.248	0.0007751
3	rs589281	54722284	CACNA2D3	intron 11	p14.3	CT	0.584	1.206	0.0007751
21	rs2837258	40145943	PCP4	15273 base upstream	q22.2	AC	0.3118	1.208	0.0007763
21	rs8132770	39947754	B3GALT5	3369 base upstream	q22.2	AT	0.4775	0.84	0.0007767
4	rs7435172	58886180	IGFBP7	1214884 base downstream	q12	CT	0.7192	1.215	0.0007773
3	rs7653488	30343934	TGFBR2	279063 base upstream	p24.1	CT	0.3593	0.831	0.0007774
3	rs985368	63495430	SYNPR	intron 2	p14.2	CT	0.798	1.248	0.0007782
14	rs6571583	32680251	NPAS3	intron 1	q13.1	CT	0.2833	1.216	0.0007791
18	rs4940191	48362228	DCC	intron 1	q21.2	AG	0.1479	0.773	0.0007795
6	rs13212414	30248519	TRIM15	67 base downstream	p21.33	AT	0.9519	0.667	0.0007799
2	rs6723695	55891570	EFEMP1	55035 base upstream	p16.1	CT	0.0578	1.449	0.00078
20	rs7261606	47387176	KCNB1	34735 base upstream	q13.13	CT	0.9258	0.71	0.00078
3	rs985367	63495515	SYNPR	intron 2	p14.2	GT	0.798	1.248	0.0007805
4	rs1522096	58882568	IGFBP7	1211272 base downstream	q12	AG	0.2809	0.823	0.0007813
2	rs2160020	210710058	FLJ23861	intron 13	q34	CT	0.0992	1.338	0.0007816
5	rs1562414	2550120	IRX2	249759 base upstream	p15.33	AG	0.3681	0.832	0.0007821
4	rs4865165	57460303	REST	8495 base upstream	q12	CT	0.5042	1.19	0.0007827
2	rs7594860	107931186	SLC5A7	38240 base upstream	q12.3	CT	0.19	0.793	0.0007828
5	rs325524	104073920	NUDT12	1147531 base downstream	q21.2	CG	0.1664	1.265	0.0007829
6	rs9397585	153438568	RGS17	intron 4	q25.2	CT	0.3442	1.206	0.0007832
16	rs12443717	26204460	HS3ST4	147951 base downstream	p12.1	AT	0.7741	0.803	0.0007834
4	rs9998008	57460809	REST	7989 base upstream	q12	AG	0.5041	1.19	0.0007843
20	rs4384857	5209440	PROKR2	21246 base upstream	p12.3	CG	0.5045	0.84	0.0007858
2	rs1226954	229880420	PID1	36119 base downstream	q36.3	CT	0.935	0.698	0.0007859
12	rs2291060	13256321	EMP1	intron 2	p13.1	AG	0.9319	1.436	0.000786
11	rs996263	41016901	LRRC4C	744661 base downstream	p12	AT	0.9638	1.69	0.0007861
3	rs1505599	63499833	SYNPR	intron 2	p14.2	AC	0.7979	1.248	0.0007869
2	rs7577580	55892233	EFEMP1	54372 base upstream	p16.1	GT	0.0578	1.449	0.0007873
6	rs9445968	68815788	BAI3	586564 base upstream	q12	GT	0.9836	2.206	0.0007876
6	rs802273	124523315	TCBA1	intron 1	q22.31	GT	0.1236	0.765	0.0007883
2	rs3768752	46196507	PRKCE	intron 11	p21	AC	0.757	1.238	0.0007884
2	rs10202504	46174837	PRKCE	intron 11	p21	CG	0.2002	0.801	0.0007893
13	rs4483759	44574009	GTF2F2	18662 base upstream	q14.12	CG	0.8409	0.792	0.0007893
2	rs13385188	29149180	FLJ34931	EXON 2	p23.2	AG	0.2573	1.242	0.0007896
3	rs1505598	63499920	SYNPR	intron 2	p14.2	CG	0.7979	1.248	0.0007897

4	rs4435727	149818435	NR3C2	235342 base downstream	q31.23	CG	0.2445	0.812	0.0007898
6	rs6938872	127762249	KIAA0408	41179 base upstream	q22.33	GT	0.9636	0.656	0.00079
10	rs10826770	30535057	PAPD1	106707 base upstream	p11.23	AG	0.7226	0.823	0.0007905
12	rs11062158	2196239	CACNA1C	intron 3	p13.33	CT	0.0307	1.679	0.000791
3	rs4616634	63500043	SYNPR	intron 2	p14.2	AG	0.7979	1.247	0.0007913
7	rs507803	125581531	GRM8	284361 base upstream	q31.33	CT	0.8777	1.311	0.0007914
20	rs6099656	55497673	HMG1L1	184 base downstream	q13.31	CT	0.6224	0.831	0.0007915
10	rs17700240	110644600	XPNPEP1	969913 base upstream	q25.1	AG	0.8184	1.261	0.0007916
12	rs10848640	2196430	CACNA1C	intron 3	p13.33	CG	0.9693	0.596	0.000792
10	rs17778423	110644569	XPNPEP1	969944 base upstream	q25.1	CG	0.8185	1.261	0.0007921
12	rs10848641	2196442	CACNA1C	intron 3	p13.33	CT	0.0307	1.679	0.000793
11	rs1145180	115317381	CADM1	436930 base downstream	q23.2	AG	0.6491	0.835	0.0007936
6	rs9277029	33106784	HLA-DOA	21417 base downstream	p21.32	CT	0.709	1.227	0.0007938
6	rs3024466	6089856	F13A1	EXON 1	p25.1	AC	0.1688	1.262	0.0007938
5	rs17351308	104115918	NUDT12	1189529 base downstream	q21.2	AG	0.1668	1.272	0.0007941
4	rs11946618	136712040	PABPC4L	1369687 base downstream	q28.3	CG	0.2142	1.238	0.0007951
8	rs2023100	109459433	TTC35	65595 base upstream	q23.1	GT	0.3534	1.2	0.0007969
18	rs1550567	48343516	DCC	intron 1	q21.2	AG	0.148	0.774	0.0007971
2	rs1900287	113514036	IL1F8	intron 5	q13	AG	0.6769	0.828	0.0007973
7	rs613484	125581817	GRM8	284075 base upstream	q31.33	AG	0.8777	1.31	0.0007974
5	rs17156764	104004713	NUDT12	1078324 base downstream	q21.2	AC	0.1706	1.263	0.0007975
2	rs1797386	232122582	NMUR1	19135 base downstream	q37.1	CT	0.9204	0.726	0.0007976
5	rs12514247	104001831	NUDT12	1075442 base downstream	q21.2	CT	0.1706	1.263	0.0007976
5	rs11242529	104007471	NUDT12	1081082 base downstream	q21.2	CT	0.1706	1.263	0.0007977
3	rs7633928	129060018	MGLL	35277 base downstream	q21.3	AG	0.8448	0.775	0.0007979
6	rs10806484	94777061	EPHA7	591068 base downstream	q16.1	AC	0.4441	1.192	0.0007982
4	rs13146643	136728154	PABPC4L	1385801 base downstream	q28.3	AG	0.7963	0.805	0.0007983
9	rs10124892	7514847	C9orf123	271645 base upstream	p24.1	CT	0.5788	1.191	0.0007984
6	rs9277027	33106216	HLA-DOA	20849 base downstream	p21.32	AG	0.7089	1.227	0.0007989
21	rs2833927	32930403	SYNJ1	intron 2	q22.11	CT	0.9626	1.678	0.0007989
12	rs7305301	2212897	CACNA1C	intron 3	p13.33	CG	0.9671	0.587	0.0007992
7	rs639211	125564375	GRM8	301517 base upstream	q31.33	AC	0.879	1.32	0.0007992
2	rs2160236	40410780	SLC8A1	intron 8	p22.1	CG	0.3564	1.202	0.0008003
4	rs13122996	136728247	PABPC4L	1385894 base downstream	q28.3	AT	0.2037	1.242	0.0008009
2	rs10200693	29148520	FLJ34931	EXON 2	p23.2	AG	0.7441	0.807	0.000802
9	rs4269591	7517298	C9orf123	269194 base upstream	p24.1	CT	0.4226	0.837	0.0008024
5	rs17057166	159180592	ADRA1B	95725 base upstream	q33.3	CT	0.9288	1.422	0.0008026

6	rs9375498	127637134	RNF146	intron 1	q22.33	AG	0.0366	1.527	0.0008027
8	rs6471719	59543277	LOC137886	16664 base downstream	q12.1	CT	0.2659	0.813	0.0008037
12	rs4077227	94632343	NTN4	intron 7	q22	CT	0.7679	0.812	0.0008043
5	rs325492	104118535	NUDT12	1192146 base downstream	q21.2	CT	0.8332	0.786	0.0008048
2	rs12995836	51625568	NRXN1	512390 base downstream	p16.3	CT	0.5624	0.837	0.0008052
8	rs10089406	109516004	TTC35	9024 base upstream	q23.1	CT	0.6099	0.828	0.0008054
5	rs161776	104119377	NUDT12	1192988 base downstream	q21.2	CG	0.1668	1.272	0.0008062
3	rs8177184	134947186	TF	738 base upstream	q22.1	AG	0.8365	0.789	0.0008063
4	rs13101421	136728703	PABPC4L	1386350 base downstream	q28.3	CT	0.7963	0.805	0.0008068
5	rs3915771	13536969	DNAH5	206467 base upstream	p15.2	AG	0.4421	0.836	0.0008092
9	rs10758876	7517476	C9orf123	269016 base upstream	p24.1	GT	0.421	0.84	0.0008111
2	rs333217	107976696	SLC5A7	intron 4	q12.3	AG	0.1847	0.776	0.0008116
4	rs1111986	154168497	KIAA1727	48199 base downstream	q31.3	AG	0.309	1.204	0.0008117
21	rs743331	33329836	OLIG2	6466 base downstream	q22.11	CT	0.4545	1.194	0.0008119
7	rs489655	125583266	GRM8	282626 base upstream	q31.33	AG	0.8776	1.31	0.0008123
8	rs6471720	59547229	CYP7A1	18061 base upstream	q12.1	AG	0.2658	0.813	0.0008124
2	rs2862772	113507953	IL1F8	intron 5	q13	CG	0.5573	0.837	0.0008125
2	rs1375055	46193882	PRKCE	intron 11	p21	AG	0.7596	1.238	0.0008126
21	rs9982859	40139786	PCP4	21430 base upstream	q22.2	CT	0.312	1.206	0.0008126
12	rs17287370	94635249	NTN4	intron 7	q22	AG	0.7678	0.812	0.0008128
6	rs375912	33124706	HLA-DPA1	16065 base upstream	p21.32	CT	0.3493	0.823	0.0008128
1	rs2275644	66603687	PDE4B	intron 12	p31.3	AG	0.0699	0.695	0.0008128
5	rs17167077	98947056	CHD1	656918 base downstream	q21.1	CT	0.0491	0.656	0.0008131
1	rs7538869	66603910	PDE4B	intron 12	p31.3	GT	0.0699	0.695	0.0008137
18	rs1626332	21693248	SS18	156968 base upstream	q11.2	AT	0.4027	0.833	0.0008141
9	rs10758877	7517489	C9orf123	269003 base upstream	p24.1	CT	0.579	1.191	0.0008144
21	rs2837218	40081847	LOC150084	intron 5	q22.2	CG	0.3169	1.205	0.0008144
6	rs6941233	127767426	KIAA0408	36002 base upstream	q22.33	AG	0.963	0.647	0.0008145
4	rs2035291	136730370	PABPC4L	1388017 base downstream	q28.3	CG	0.2037	1.242	0.0008151
9	rs10758879	7517926	C9orf123	268566 base upstream	p24.1	AG	0.579	1.191	0.0008157
9	rs10758880	7518098	C9orf123	268394 base upstream	p24.1	AC	0.579	1.191	0.0008161
2	rs13414755	107783958	SLC5A7	185468 base upstream	q12.3	AC	0.3479	0.816	0.0008161
2	rs2697236	197753891	ANKRD44	intron 24	q33.1	CG	0.0346	0.599	0.0008171
5	rs161777	104119936	NUDT12	1193547 base downstream	q21.2	CT	0.1668	1.272	0.0008172
18	rs8098773	21695157	SS18	155059 base upstream	q11.2	CT	0.5974	1.201	0.0008178
4	rs7696796	183403463	ODZ3	78667 base upstream	q35.1	AG	0.243	0.817	0.0008182
21	rs12627540	40136828	PCP4	24388 base upstream	q22.2	AC	0.3164	1.208	0.0008184

1	rs2311985	66607403	PDE4B	intron 16	p31.3	AG	0.9301	1.437	0.0008194
2	rs2697235	197754509	ANKRD44	intron 24	q33.1	AG	0.9654	1.671	0.0008197
2	rs1226959	229877443	PID1	33142 base downstream	q36.3	AC	0.9299	0.717	0.00082
21	rs2837249	40141997	PCP4	19219 base upstream	q22.2	AG	0.312	1.206	0.00082
9	rs10815626	7518239	C9orf123	268253 base upstream	p24.1	CT	0.579	1.191	0.0008201
2	rs2697234	197755262	ANKRD44	intron 24	q33.1	CT	0.0346	0.599	0.0008203
7	rs2237701	107409386	LAMB1	intron 27	q31.1	AG	0.4318	1.193	0.0008206
7	rs2237702	107409524	LAMB1	intron 27	q31.1	AG	0.5682	0.838	0.0008208
8	rs2977527	134282867	WISP1	intron 1	q24.22	AG	0.292	0.824	0.0008208
3	rs4530474	124810365	MYLK	3469 base upstream	q21.1	CT	0.1765	1.25	0.0008224
4	rs2035292	136730572	PABPC4L	1388219 base downstream	q28.3	AG	0.2037	1.241	0.0008226
21	rs2834072	33332334	OLIG2	8964 base downstream	q22.11	AG	0.5455	0.838	0.0008227
1	rs11208951	66960695	SGIP1	intron 19	p31.3	CT	0.6969	0.826	0.0008235
4	rs13129036	136728656	PABPC4L	1386303 base downstream	q28.3	CT	0.2249	1.24	0.0008253
2	rs6542736	107782134	SLC5A7	187292 base upstream	q12.3	AG	0.3483	0.816	0.0008261
17	rs7224952	51880345	ANKFN1	intron 9	q22	CT	0.7037	0.825	0.0008264
2	rs12617786	159755255	TANC1	intron 16	q24.2	AG	0.0141	2.133	0.0008267
8	rs7005262	14903851	SGCZ	intron 7	p22	AG	0.4978	1.196	0.000827
22	rs134406	33909346	HMG2L1	74142 base upstream	q12.3	CT	0.2738	0.823	0.0008271
3	rs848146	124806457	MYLK	7377 base upstream	q21.1	CG	0.1764	1.25	0.0008274
12	rs12228890	2201258	CACNA1C	intron 3	p13.33	AC	0.0307	1.675	0.0008276
7	rs730497	44190246	GCK	intron 9	p13	AG	0.1785	1.263	0.0008282
7	rs7811868	26507861	SNX10	127399 base downstream	p15.2	AG	0.3776	1.2	0.0008289
10	rs17769395	110505088	XPNPEP1	1109425 base upstream	q25.1	CT	0.8132	1.266	0.0008289
7	rs515267	125583763	GRM8	282129 base upstream	q31.33	GT	0.1224	0.764	0.000829
13	rs2025418	44583847	GTF2F2	8824 base upstream	q14.12	CT	0.1642	1.263	0.0008294
3	rs2626028	124812622	MYLK	1212 base upstream	q21.1	CT	0.1765	1.25	0.0008312
2	rs1597156	46192218	PRKCE	intron 11	p21	CT	0.24	0.808	0.0008312
8	rs11780184	109448088	TTC35	76940 base upstream	q23.1	CT	0.3533	1.2	0.0008332
7	rs2908289	44190467	GCK	intron 9	p13	AG	0.1785	1.262	0.0008333
6	rs9490138	121574075	C6orf170	intron 11	q22.31	CT	0.1665	1.257	0.0008336
21	rs2837225	40087332	LOC150084	EXON 8	q22.2	AC	0.2958	1.219	0.0008341
1	rs204262	166081092	SAC	intron 12	q24.2	AG	0.2273	1.252	0.0008344
10	rs12146350	22883117	PIP4K2A	intron 4	p12.2	CG	0.398	0.837	0.0008346
3	rs820479	124805854	MYLK	7980 base upstream	q21.1	AG	0.8236	0.8	0.0008355
2	rs6759150	55901698	EFEMP1	44907 base upstream	p16.1	AT	0.9422	0.691	0.0008359
20	rs2145083	5208540	PROKR2	22146 base upstream	p12.3	AG	0.4954	1.19	0.0008363

1	rs12038866	48006804	FOXD2	327854 base downstream	p33	CG	0.5987	1.2	0.0008363
20	rs6038115	5209132	PROKR2	21554 base upstream	p12.3	AG	0.5045	0.84	0.0008364
20	rs4553880	5209206	PROKR2	21480 base upstream	p12.3	CT	0.5045	0.84	0.0008364
20	rs6038114	5209029	PROKR2	21657 base upstream	p12.3	AG	0.5046	0.84	0.0008364
11	rs12294675	2799123	KCNQ1	intron 15	p15.5	AG	0.164	1.275	0.0008374
11	rs10834744	3638426	ART1	intron 3	p15.4	AG	0.827	0.79	0.0008379
6	rs811418	124526687	TCBA1	intron 1	q22.31	AC	0.1232	0.766	0.000838
14	rs10132087	31527742	ARHGAP5	88503 base upstream	q12	CT	0.2029	1.261	0.0008384
6	rs7762541	92124822	MAP3K7	771194 base downstream	q16.1	CT	0.4408	1.193	0.000839
8	rs4382455	134283373	WISP1	intron 1	q24.22	AC	0.292	0.824	0.0008396
2	rs17257436	229875214	PID1	30913 base downstream	q36.3	AG	0.9292	0.72	0.0008396
4	rs7694930	136731046	PABPC4L	1388693 base downstream	q28.3	AC	0.7962	0.806	0.0008402
6	rs9353824	92118422	MAP3K7	764794 base downstream	q16.1	AG	0.5592	0.838	0.0008409
1	rs6691740	66625390	PDE4B	12541 base downstream	p31.3	AC	0.0699	0.697	0.0008413
1	rs6703929	66624749	PDE4B	11900 base downstream	p31.3	CT	0.07	0.698	0.0008414
1	rs6701234	66624485	PDE4B	11636 base downstream	p31.3	GT	0.07	0.698	0.0008415
8	rs1597145	109444070	TTC35	80958 base upstream	q23.1	GT	0.3532	1.2	0.000842
13	rs7984473	67662316	PCDH9	959852 base downstream	q21.33	AG	0.9771	1.91	0.0008422
3	rs8177181	134946488	TF	1436 base upstream	q22.1	AT	0.1638	1.266	0.0008431
2	rs16825971	229875567	PID1	31266 base downstream	q36.3	CT	0.9292	0.72	0.0008433
3	rs993668	27906342	EOMES	167553 base downstream	p24.1	CG	0.8915	1.384	0.0008435
8	rs1448160	109442301	TTC35	82727 base upstream	q23.1	CT	0.6468	0.833	0.0008438
20	rs6085062	5207966	PROKR2	22720 base upstream	p12.3	CG	0.4953	1.19	0.0008446
3	rs861890	124801210	MYLK	12624 base upstream	q21.1	AG	0.8236	0.801	0.0008452
22	rs134434	33921035	HMG2L1	62453 base upstream	q12.3	AG	0.7261	1.214	0.0008454
4	rs7654065	136731472	PABPC4L	1389119 base downstream	q28.3	AC	0.2038	1.241	0.0008456
4	rs17148325	71084769	APIN	12063 base upstream	q13.3	CT	0.8444	1.303	0.0008458
5	rs1120480	104014181	NUDT12	1087792 base downstream	q21.2	CT	0.8297	0.793	0.0008459
2	rs6734993	107922950	SLC5A7	46476 base upstream	q12.3	CT	0.1902	0.794	0.0008467
20	rs6085061	5207931	PROKR2	22755 base upstream	p12.3	CT	0.5047	0.84	0.0008469
6	rs7746647	154741048	PIP3-E	21456 base downstream	q25.2	AT	0.945	1.475	0.0008469
1	rs12239708	66627158	PDE4B	14309 base downstream	p31.3	AT	0.0698	0.697	0.0008471
14	rs10132140	31529811	ARHGAP5	86434 base upstream	q12	AG	0.7972	0.793	0.0008473
21	rs10854398	39943622	B3GALT5	7501 base upstream	q22.2	CT	0.5182	1.198	0.0008485
4	rs968774	34724145	CENTD1	1019871 base upstream	p15.1	AG	0.0181	2.007	0.0008485
4	rs11944567	136734593	PABPC4L	1392240 base downstream	q28.3	CT	0.2038	1.24	0.0008487
4	rs11099350	136734221	PABPC4L	1391868 base downstream	q28.3	AG	0.2038	1.24	0.0008488

4	rs13142176	136736073	PABPC4L	1393720 base downstream	q28.3	CT	0.2038	1.24	0.0008491
4	rs968773	34724210	CENTD1	1019806 base upstream	p15.1	AC	0.0181	2.007	0.0008491
4	rs11723306	136733600	PABPC4L	1391247 base downstream	q28.3	CT	0.2038	1.24	0.0008493
10	rs576505	30516612	PAPD1	125152 base upstream	p11.23	CT	0.2787	1.211	0.0008494
10	rs4749520	30336364	KIAA1462	7025 base upstream	p11.23	AG	0.4755	1.188	0.0008495
4	rs7692855	136735906	PABPC4L	1393553 base downstream	q28.3	CT	0.7962	0.806	0.0008496
2	rs2198715	184920491	C2orf10	250846 base upstream	q32.1	CT	0.1912	0.799	0.0008496
8	rs12542624	2652265	CSMD1	128016 base upstream	p23.2	AG	0.2399	1.224	0.0008499
4	rs11935087	136733042	PABPC4L	1390689 base downstream	q28.3	AG	0.7962	0.806	0.00085
4	rs2016168	136732580	PABPC4L	1390227 base downstream	q28.3	CT	0.2038	1.24	0.0008502
4	rs1038152	136732373	PABPC4L	1390020 base downstream	q28.3	AT	0.7962	0.806	0.0008505
1	rs12406429	66628614	PDE4B	15765 base downstream	p31.3	AG	0.0698	0.697	0.0008508
12	rs10219684	9918211	CLEC2B	4486 base downstream	p13.31	CT	0.3065	1.223	0.0008512
12	rs768860	114335802	THRAP2	544963 base upstream	q24.21	GT	0.7674	1.242	0.0008513
22	rs4821375	33922615	HMG2L1	60873 base upstream	q12.3	CT	0.7261	1.214	0.0008525
2	rs12693375	184951945	C2orf10	219392 base upstream	q32.1	CT	0.8084	1.253	0.0008527
2	rs2579409	197769903	ANKRD44	intron 25	q33.1	GT	0.0346	0.6	0.0008536
22	rs134386	33903856	HMG2L1	79632 base upstream	q12.3	CT	0.7262	1.214	0.0008538
3	rs860224	124820104	MYLK	intron 1	q21.1	CG	0.8233	0.801	0.0008548
10	rs11596191	110659654	XPNPEP1	954859 base upstream	q25.1	CT	0.183	0.795	0.0008551
20	rs6515995	5204774	PROKR2	25912 base upstream	p12.3	GT	0.5048	0.841	0.0008556
5	rs12522864	104015822	NUDT12	1089433 base downstream	q21.2	AG	0.8297	0.793	0.0008558
4	rs6816076	136737904	PABPC4L	1395551 base downstream	q28.3	AG	0.7962	0.806	0.0008558
10	rs3793889	112017646	MXI1	intron 3	q25.2	AG	0.9205	1.413	0.000856
12	rs7964025	114336692	THRAP2	544073 base upstream	q24.21	AG	0.2326	0.806	0.0008563
7	rs10808041	146312527	CNTNAP2	intron 3	q35	AT	0.9106	0.739	0.0008565
6	rs2180130	92134035	MAP3K7	780407 base downstream	q16.1	AG	0.5605	0.838	0.0008573
3	rs7623889	11452387	ATG7	intron 18	p25.3	CT	0.9543	1.587	0.0008573
1	rs10788998	55471611	USP24	18261 base downstream	p32.3	AG	0.7478	0.817	0.0008573
1	rs1498354	66953077	SGIP1	intron 18	p31.3	AT	0.3032	1.209	0.0008578
20	rs6053245	5204385	PROKR2	26301 base upstream	p12.3	CT	0.5048	0.841	0.0008579
3	rs9841664	30348345	TGFBR2	274652 base upstream	p24.1	CT	0.64	1.202	0.0008579
9	rs16937690	19646396	SLC24A2	intron 9	p22.1	AG	0.646	1.201	0.0008583
5	rs12189083	104017956	NUDT12	1091567 base downstream	q21.2	CT	0.8297	0.793	0.0008586
10	rs1418276	30337993	KIAA1462	5396 base upstream	p11.23	CT	0.4756	1.187	0.0008592
13	rs17064600	74984164	COMMD6	13186 base upstream	q22.2	CT	0.2977	0.809	0.0008595
5	rs12189097	104018213	NUDT12	1091824 base downstream	q21.2	CT	0.8297	0.793	0.0008599

21	rs12233311	33331127	OLIG2	7757 base downstream	q22.11	AG	0.4487	1.193	0.0008604
21	rs2243683	17225142	C21orf34	323729 base downstream	q21.1	AG	0.4704	1.197	0.0008604
10	rs1418278	30338084	KIAA1462	5305 base upstream	p11.23	AG	0.5243	0.842	0.0008606
22	rs5748309	17946365	CLDN5	53505 base downstream	q11.21	CT	0.274	0.808	0.0008608
2	rs13031086	29141985	FLJ34931	intron 1	p23.2	CT	0.748	0.813	0.0008614
2	rs12712970	46187198	PRKCE	intron 11	p21	AG	0.7605	1.238	0.0008615
5	rs7445539	104020427	NUDT12	1094038 base downstream	q21.2	AG	0.1703	1.261	0.0008623
10	rs11592575	110748773	XPNPEP1	865740 base upstream	q25.1	CT	0.1831	0.796	0.0008629
22	rs134378	33899690	HMG2L1	83798 base upstream	q12.3	GT	0.7263	1.214	0.000863
22	rs4821376	33922689	HMG2L1	60799 base upstream	q12.3	AG	0.7261	1.214	0.0008634
10	rs10826749	30338528	KIAA1462	4861 base upstream	p11.23	CT	0.4757	1.187	0.0008638
16	rs7197967	70564733	DHODH	35410 base upstream	q22.3	AG	0.1321	1.318	0.000864
2	rs13015290	184940461	C2orf10	230876 base upstream	q32.1	AT	0.1915	0.798	0.0008643
2	rs17429535	184931648	C2orf10	239689 base upstream	q32.1	CT	0.1913	0.799	0.0008644
8	rs7812466	109467321	TTC35	57707 base upstream	q23.1	AG	0.3534	1.198	0.0008645
10	rs17697405	110517348	XPNPEP1	1097165 base upstream	q25.1	CT	0.1828	0.792	0.0008646
8	rs4363174	109471830	TTC35	53198 base upstream	q23.1	CT	0.3534	1.198	0.0008647
2	rs13394642	55903459	EFEMP1	43146 base upstream	p16.1	AG	0.9422	0.691	0.0008651
8	rs10108399	109466087	TTC35	58941 base upstream	q23.1	CT	0.6466	0.834	0.0008655
10	rs11194333	110747661	XPNPEP1	866852 base upstream	q25.1	CT	0.1836	0.797	0.0008661
6	rs6910080	92125869	MAP3K7	772241 base downstream	q16.1	AG	0.5591	0.838	0.0008664
22	rs6000718	36129946	LRRC62	intron 1	q13.1	AG	0.7535	0.804	0.0008667
2	rs10203961	184932641	C2orf10	238696 base upstream	q32.1	CT	0.8087	1.252	0.0008672
4	rs2089184	136739233	PABPC4L	1396880 base downstream	q28.3	CG	0.7962	0.807	0.0008675
3	rs16840812	134945497	TF	2427 base upstream	q22.1	CT	0.1641	1.265	0.0008676
21	rs225424	42619764	TFF3	10989 base downstream	q22.3	AG	0.5045	1.212	0.0008676
3	rs820458	124821147	MYLK	intron 2	q21.1	CT	0.1767	1.249	0.0008683
6	rs9379723	25253691	LRRC16	133935 base upstream	p22.2	CT	0.7977	1.265	0.0008687
4	rs11737477	136740519	PABPC4L	1398166 base downstream	q28.3	GT	0.7962	0.807	0.000869
6	rs9388306	124511753	TCBA1	intron 1	q22.31	CG	0.8774	1.317	0.0008692
22	rs134443	33925528	HMG2L1	57960 base upstream	q12.3	CT	0.2739	0.824	0.0008702
6	rs2146252	124512460	TCBA1	intron 1	q22.31	CT	0.8774	1.317	0.0008705
22	rs134445	33926150	HMG2L1	57338 base upstream	q12.3	CT	0.2739	0.824	0.0008705
9	rs12339463	81273412	CHCHD9	76642 base downstream	q21.31	AG	0.0283	1.71	0.0008707
2	rs2579408	197777124	ANKRD44	6117 base downstream	q33.1	AG	0.9654	1.666	0.0008708
21	rs741866	40129825	PCP4	31391 base upstream	q22.2	CT	0.6843	0.83	0.0008708
8	rs12544826	36281532	KCNU1	479467 base upstream	p12	AG	0.8234	0.793	0.0008712

8	rs4735062	109492076	TTC35	32952 base upstream	q23.1	GT	0.6479	0.835	0.0008714
12	rs11067584	114337140	THRAP2	543625 base upstream	q24.21	CT	0.7671	1.237	0.0008716
3	rs9813563	32247502	CMTM8	7672 base upstream	p22.3	CG	0.161	1.256	0.0008725
1	rs10889649	66950593	SGIP1	intron 18	p31.3	AG	0.3033	1.209	0.0008726
22	rs134442	33925331	HMG2L1	58157 base upstream	q12.3	CT	0.7261	1.213	0.0008728
5	rs17350038	104055382	NUDT12	1128993 base downstream	q21.2	CG	0.1694	1.261	0.0008738
2	rs2712900	197778099	ANKRD44	7092 base downstream	q33.1	CT	0.0347	0.6	0.0008739
8	rs4735063	109492672	TTC35	32356 base upstream	q23.1	AT	0.6479	0.835	0.000874
9	rs10867388	81271470	CHCHD9	74700 base downstream	q21.31	AG	0.9717	0.585	0.000874
7	rs518066	125584083	GRM8	281809 base upstream	q31.33	CT	0.8775	1.308	0.000874
20	rs996389	5203899	PROKR2	26787 base upstream	p12.3	GT	0.495	1.189	0.0008752
6	rs2146253	124512495	TCBA1	intron 1	q22.31	AG	0.8774	1.316	0.0008759
2	rs10200357	184938744	C2orf10	232593 base upstream	q32.1	AT	0.8086	1.252	0.0008763
1	rs1281173	110896325	KCNA10	33005 base downstream	p13.3	CT	0.9107	0.721	0.0008765
21	rs1004663	40131660	PCP4	29556 base upstream	q22.2	CG	0.3158	1.204	0.0008777
3	rs2972479	117048717	LSAMP	intron 3	q13.31	CT	0.0702	1.407	0.0008795
8	rs6998163	109493977	TTC35	31051 base upstream	q23.1	CT	0.3521	1.198	0.0008797
8	rs13249775	109494368	TTC35	30660 base upstream	q23.1	CT	0.6479	0.835	0.0008811
5	rs1908159	2506377	IRX2	293502 base upstream	p15.33	AG	0.6068	1.193	0.0008813
3	rs9855198	178807690	TBL1XR1	409948 base downstream	q26.32	AG	0.2753	1.214	0.0008818
6	rs2008699	124512907	TCBA1	intron 1	q22.31	CT	0.8775	1.315	0.0008819
13	rs9510082	21757174	FGF9	582990 base downstream	q12.11	AG	0.3832	1.204	0.0008826
8	rs1955032	109495470	TTC35	29558 base upstream	q23.1	GT	0.6479	0.835	0.0008831
20	rs6038111	5203159	PROKR2	27527 base upstream	p12.3	AC	0.505	0.841	0.0008832
1	rs4951409	202827613	LRRN5	25314 base upstream	q32.1	AT	0.6717	0.83	0.0008837
1	rs3867319	98737348	SNX7	162452 base upstream	p21.3	AG	0.0711	0.703	0.0008839
5	rs17415237	104037774	NUDT12	1111385 base downstream	q21.2	AC	0.1697	1.261	0.000884
1	rs9426772	21832177	RAP1GA1	intron 23	p36.12	CT	0.5377	0.831	0.0008842
8	rs10098022	109497697	TTC35	27331 base upstream	q23.1	AG	0.3521	1.198	0.0008845
8	rs4543566	6812946	DEFA1	9634 base upstream	p23.1	CG	0.8862	1.322	0.0008847
5	rs12516369	104047674	NUDT12	1121285 base downstream	q21.2	AG	0.1696	1.26	0.0008866
13	rs9583770	89489076	GPC5	1359811 base upstream	q31.3	AG	0.1983	0.8	0.0008867
8	rs13281088	109476961	TTC35	48067 base upstream	q23.1	CT	0.3534	1.198	0.0008869
12	rs12319878	130855942	SFRS8	5707 base downstream	q24.33	CT	0.3967	0.838	0.0008889
5	rs6892501	104028035	NUDT12	1101646 base downstream	q21.2	AC	0.1702	1.26	0.0008895
20	rs2234397	5221382	PROKR2	9304 base upstream	p12.3	AG	0.5078	0.839	0.0008895
10	rs17769443	110506183	XPNPEP1	1108330 base upstream	q25.1	AG	0.8231	1.266	0.0008905

8	rs2156740	109477725	TTC35	47303 base upstream	q23.1	CG	0.3534	1.198	0.000891
5	rs11134123	5754291	KIAA0947	210953 base downstream	p15.32	CG	0.0309	0.561	0.000891
7	rs1689330	53069533	DKFZp564N247z	1309 base upstream	p12.1	CG	0.2067	1.239	0.0008916
8	rs10103966	3339206	CSDM1	intron 60	p23.2	CG	0.7855	1.244	0.0008919
6	rs17749408	73415061	KCNQ5	intron 1	q13	AG	0.1825	1.249	0.0008927
10	rs716595	111996476	MXI1	intron 3	q25.2	AG	0.0798	0.71	0.0008928
7	rs1799884	44195593	YKT6	11509 base upstream	p13	CT	0.8221	0.798	0.0008931
6	rs2008708	124513036	TCBA1	intron 1	q22.31	AG	0.1225	0.761	0.0008938
6	rs12664094	68836202	BAI3	566150 base upstream	q12	CT	0.984	2.174	0.0008938
8	rs1499682	3342219	CSDM1	intron 60	p23.2	AT	0.2144	0.804	0.0008942
10	rs12250102	110625352	XPNPEP1	989161 base upstream	q25.1	CT	0.82	1.26	0.0008942
20	rs6038110	5202928	PROKR2	27758 base upstream	p12.3	AG	0.5051	0.841	0.0008944
10	rs17769499	110506325	XPNPEP1	1108188 base upstream	q25.1	AC	0.177	0.79	0.0008953
7	rs4947777	53069854	DKFZp564N247z	988 base upstream	p12.1	GT	0.2067	1.239	0.0008958
3	rs13315037	58047511	FLNB	intron 4	p14.3	GT	0.0747	0.702	0.0008961
21	rs2833934	32946315	SYNJ1	intron 10	q22.11	CT	0.9626	1.664	0.0008964
2	rs1583938	107777551	SLC5A7	191875 base upstream	q12.3	AC	0.6461	1.216	0.0008965
8	rs1893887	109479131	TTC35	45897 base upstream	q23.1	CG	0.3534	1.198	0.0008977
4	rs1842259	136723916	PABPC4L	1381563 base downstream	q28.3	AG	0.7951	0.807	0.0008982
22	rs134370	33897413	RAXLX	84035 base downstream	q12.3	CG	0.7263	1.214	0.0008988
16	rs8062885	6609627	A2BP1	intron 2	p13.2	CG	0.4877	1.193	0.0008997
1	rs2045624	202851008	LRRN5	1919 base upstream	q32.1	CG	0.6897	0.829	0.0009003
21	rs9980807	40127381	LOC150084	31488 base downstream	q22.2	CT	0.6842	0.831	0.0009004
8	rs1893886	109479249	TTC35	45779 base upstream	q23.1	CT	0.6466	0.835	0.0009006
6	rs6569377	124513424	TCBA1	intron 1	q22.31	CT	0.1224	0.761	0.0009016
2	rs13036001	184952504	C2orf10	218833 base upstream	q32.1	CT	0.8057	1.262	0.0009021
10	rs12412423	111992160	MXI1	intron 2	q25.2	CG	0.9201	1.409	0.0009022
20	rs6038109	5202768	PROKR2	27918 base upstream	p12.3	CT	0.5052	0.841	0.0009027
9	rs11138240	81266134	CHCHD9	69364 base downstream	q21.31	CT	0.9716	0.586	0.0009035
7	rs520807	125584379	GRM8	281513 base upstream	q31.33	CT	0.8774	1.306	0.0009049
4	rs877619	9846004	WDR1	118333 base downstream	p16.1	AG	0.9897	0.45	0.0009054
22	rs134318	33890448	RAXLX	77070 base downstream	q12.3	CT	0.7263	1.214	0.0009055
1	rs1547644	66948145	SGIP1	intron 18	p31.3	AG	0.6968	0.828	0.0009056
8	rs2156739	109479507	TTC35	45521 base upstream	q23.1	AC	0.3534	1.197	0.0009063
2	rs7569095	107772978	SLC5A7	196448 base upstream	q12.3	CG	0.6448	1.214	0.0009084
9	rs11138238	81261735	CHCHD9	64965 base downstream	q21.31	CT	0.9716	0.587	0.0009092
3	rs3772968	117050666	LSAMP	intron 3	q13.31	AG	0.0702	1.406	0.0009094

7	rs2701039	107410778	LAMB1	intron 27	q31.1	AG	0.4311	1.192	0.0009102
12	rs2334868	2805760	NRIP2	EXON 1	p13.33	AG	0.9576	0.651	0.0009107
3	rs4613421	71412562	FOXP1	intron 16	p14.1	CG	0.688	0.83	0.0009109
6	rs6932946	124513519	TCBA1	intron 1	q22.31	GT	0.8776	1.313	0.0009123
12	rs994302	65462660	GRIP1	103640 base downstream	q14.3	CG	0.5534	1.193	0.0009129
16	rs500285	26654324	TNT	331204 base upstream	p12.1	CG	0.9436	0.675	0.0009132
1	rs11206524	55460604	USP24	7254 base downstream	p32.3	CT	0.2534	1.224	0.0009135
10	rs10884688	110624642	XPNPEP1	989871 base upstream	q25.1	AG	0.82	1.259	0.0009147
18	rs11081233	6396037	L3MBTL4	intron 19	p11.31	AG	0.3078	0.821	0.0009155
7	rs6975024	44198411	YKT6	8691 base upstream	p13	CT	0.178	1.253	0.0009157
4	rs10520281	175716769	HPGD	36583 base downstream	q34.1	AG	0.912	1.403	0.000916
1	rs4926672	55462173	USP24	8823 base downstream	p32.3	AG	0.2534	1.224	0.0009163
8	rs1955025	109481042	TTC35	43986 base upstream	q23.1	AC	0.3534	1.197	0.0009174
2	rs2113389	38221238	CYP1B1	64442 base downstream	p22.2	CT	0.862	0.783	0.0009182
10	rs17127166	111979315	MXI1	intron 2	q25.2	AG	0.0801	0.71	0.0009182
10	rs12258374	110629257	XPNPEP1	985256 base upstream	q25.1	CT	0.7486	1.224	0.0009187
11	rs2403354	18898424	MRGPRX1	13511 base upstream	p15.1	CT	0.1065	1.337	0.000919
14	rs10483520	39253036	FBXO33	281665 base downstream	q21.1	AG	0.1004	1.329	0.000919
8	rs2023107	109483397	TTC35	41631 base upstream	q23.1	AC	0.3534	1.197	0.0009198
7	rs473762	125586751	GRM8	279141 base upstream	q31.33	AT	0.8774	1.306	0.0009198
10	rs10884687	110618205	XPNPEP1	996308 base upstream	q25.1	AT	0.82	1.259	0.0009208
8	rs2977530	134284294	WISP1	intron 1	q24.22	AG	0.292	0.825	0.0009221
6	rs17749420	73415342	KCNQ5	intron 1	q13	CG	0.1824	1.248	0.0009223
22	rs4618151	33926311	HMG2L1	57177 base upstream	q12.3	AC	0.2739	0.825	0.0009233
10	rs960731	85956138	PCDH21	intron 10	q23.1	GT	0.7553	1.226	0.0009236
4	rs7671048	175716127	HPGD	35941 base downstream	q34.1	CT	0.9119	1.4	0.000924
20	rs6038108	5201641	PROKR2	29045 base upstream	p12.3	CT	0.5053	0.841	0.0009241
10	rs11194286	110617893	XPNPEP1	996620 base upstream	q25.1	CT	0.82	1.259	0.0009244
12	rs2160432	87296520	KITLG	114179 base upstream	q21.32	CT	0.9224	0.728	0.0009254
12	rs2407649	87295390	KITLG	115309 base upstream	q21.32	CT	0.9222	0.728	0.0009255
7	rs593446	125587627	GRM8	278265 base upstream	q31.33	CT	0.8774	1.306	0.0009255
2	rs12467641	45955645	PRKCE	intron 2	p21	AT	0.7733	1.244	0.0009258
12	rs11062164	2203913	CACNA1C	intron 3	p13.33	AC	0.0308	1.666	0.0009261
2	rs6742654	160112937	BAZ2B	intron 35	q24.2	CT	0.8682	1.325	0.0009261
3	rs2972493	116979664	LSAMP	32175 base upstream	q13.31	AC	0.8748	0.768	0.0009261
7	rs4607517	44202193	YKT6	4909 base upstream	p13	AG	0.178	1.253	0.0009268
12	rs10858718	87293574	KITLG	117125 base upstream	q21.32	CG	0.0779	1.372	0.0009269

14	rs7155495	32679185	NPAS3	intron 1	q13.1	CT	0.6687	0.835	0.0009274
10	rs945824	110531064	XPNPEP1	1083449 base upstream	q25.1	CT	0.8172	1.261	0.0009281
2	rs13012389	29141970	FLJ34931	intron 1	p23.2	CT	0.2518	1.23	0.0009288
7	rs2971668	44209963	YKT6	intron 1	p13	CG	0.178	1.253	0.0009288
8	rs3862101	17651768	MTUS1	intron 13	p22	CT	0.8506	1.282	0.0009293
22	rs867198	37038552	CSNK1E	intron 9	q13.1	CT	0.9455	0.683	0.0009293
1	rs6704254	119091964	TBX15	135224 base upstream	p12	CT	0.9649	1.655	0.0009296
13	rs9318155	72776677	KLF5	227001 base downstream	q22.1	AC	0.5935	1.2	0.0009298
9	rs2991695	71238297	APBA1	intron 2	q21.11	AG	0.1895	0.798	0.0009329
14	rs4982055	32677389	NPAS3	intron 1	q13.1	GT	0.6681	0.832	0.000933
1	rs2147780	119091517	TBX15	135671 base upstream	p12	AG	0.9649	1.655	0.000933
8	rs2023104	109484593	TTC35	40435 base upstream	q23.1	AG	0.3534	1.197	0.0009341
15	rs10852029	36730429	FLJ35695	45661 base upstream	q14	AG	0.5233	1.2	0.0009343
10	rs17769672	110511738	XPNPEP1	1102775 base upstream	q25.1	CG	0.8229	1.264	0.0009344
9	rs1340123	81242882	CHCHD9	46112 base downstream	q21.31	CT	0.0285	1.702	0.0009351
10	rs11196070	114461555	VTI1A	intron 7	q25.2	CG	0.928	0.721	0.0009356
4	rs11723554	15282435	FBXL5	16324 base downstream	p15.33	CG	0.0999	0.741	0.000936
10	rs12220246	30438125	KIAA1462	61319 base downstream	p11.23	CT	0.3107	1.202	0.0009374
5	rs17652448	149554727	SLC6A7	intron 2	q33.1	CT	0.9762	0.584	0.0009377
7	rs2021886	107414230	LAMB1	intron 29	q31.1	AG	0.4232	1.196	0.0009377
4	rs10516289	15281298	FBXL5	15187 base downstream	p15.33	CT	0.0999	0.741	0.0009384
12	rs11062165	2204109	CACNA1C	intron 3	p13.33	CT	0.0308	1.665	0.0009384
10	rs12249791	110615683	XPNPEP1	998830 base upstream	q25.1	CT	0.18	0.794	0.0009387
4	rs4696159	154165619	KIAA1727	45321 base downstream	q31.3	CT	0.6898	0.828	0.00094
8	rs12375378	12897996	C8orf79	intron 2	p22	AC	0.9384	1.461	0.0009402
2	rs7570249	128371789	MGC4268	12885 base downstream	q14.3	GT	0.3251	1.2	0.0009408
6	rs802249	124515810	TCBA1	intron 1	q22.31	CG	0.8778	1.31	0.0009409
2	rs10495767	29140696	FLJ34931	EXON 1	p23.2	AG	0.2263	1.236	0.0009409
14	rs8011345	32677988	NPAS3	intron 1	q13.1	AG	0.6683	0.833	0.0009412
8	rs6469185	109508139	TTC35	16889 base upstream	q23.1	AT	0.362	1.197	0.0009416
1	rs2887429	202831635	LRRN5	21292 base upstream	q32.1	GT	0.328	1.203	0.0009424
9	rs12352718	81239935	CHCHD9	43165 base downstream	q21.31	CT	0.9715	0.588	0.0009425
5	rs2240782	149543189	CDX1	intron 2	q33.1	AC	0.0235	1.727	0.0009426
12	rs10777110	87293154	KITLG	117545 base upstream	q21.32	AG	0.0779	1.371	0.0009441
10	rs6584895	110512515	XPNPEP1	1101998 base upstream	q25.1	CT	0.8229	1.264	0.0009442
10	rs11599840	110614661	XPNPEP1	999852 base upstream	q25.1	AG	0.18	0.794	0.0009444
21	rs1984023	40114073	LOC150084	18180 base downstream	q22.2	AG	0.3158	1.203	0.0009448

3	rs820448	124830480	MYLK	intron 4	q21.1	CG	0.8229	0.802	0.0009454
8	rs13275153	109488103	TTC35	36925 base upstream	q23.1	CT	0.3534	1.197	0.0009459
3	rs17623772	30361864	TGFBR2	261133 base upstream	p24.1	CT	0.6414	1.201	0.0009468
8	rs4734174	109423278	EIF3S6	93143 base downstream	q23.1	AG	0.3543	1.197	0.0009471
2	rs2100071	113541857	IL1F10	160 base upstream	q13	AC	0.6861	0.829	0.000948
12	rs7959834	89968187	KERA	214 base upstream	q21.33	CT	0.0603	0.692	0.0009495
7	rs2952763	52130392	COBL	778402 base downstream	p12.1	CT	0.5363	0.842	0.0009497
12	rs10845199	10711585	STYK1	intron 10	p13.2	CT	0.3682	0.835	0.0009501
2	rs12714260	29141728	FLJ34931	intron 1	p23.2	CG	0.2517	1.23	0.0009504
7	rs593517	125587676	GRM8	278216 base upstream	q31.33	AC	0.8773	1.305	0.0009508
12	rs7973791	89968856	KERA	EXON 1	q21.33	AC	0.9397	1.445	0.0009509
3	rs820450	124829191	MYLK	intron 4	q21.1	AT	0.8229	0.802	0.000951
3	rs12634878	30362570	TGFBR2	260427 base upstream	p24.1	AG	0.6415	1.201	0.0009512
12	rs7312354	2204705	CACNA1C	intron 3	p13.33	CT	0.0308	1.664	0.0009513
22	rs3918439	33934502	HMG2L1	48986 base upstream	q12.3	CG	0.2738	0.824	0.0009515
2	rs7599662	113541556	IL1F10	461 base upstream	q13	CT	0.686	0.829	0.0009516
9	rs11138206	81234189	CHCHD9	37419 base downstream	q21.31	AG	0.0285	1.699	0.0009516
7	rs917793	44212378	YKT6	intron 2	p13	AT	0.8219	0.799	0.0009518
22	rs5999766	33936111	HMG2L1	47377 base upstream	q12.3	CT	0.2738	0.824	0.000952
7	rs639166	125564351	GRM8	301541 base upstream	q31.33	CT	0.8793	1.32	0.0009521
12	rs10743918	10711189	STYK1	intron 10	p13.2	AC	0.6319	1.197	0.0009524
6	rs802251	124516266	TCBA1	intron 1	q22.31	GT	0.1222	0.764	0.0009526
6	rs13208606	41404395	NCR2	7110 base upstream	p21.1	AG	0.4474	0.84	0.0009527
1	rs6682208	202832806	LRRN5	20121 base upstream	q32.1	CT	0.672	0.831	0.0009527
17	rs1501259	47371272	CA10	intron 7	q21.33	AT	0.9737	0.558	0.0009529
6	rs4715472	54711017	C6orf143	108510 base upstream	p12.1	AG	0.1146	0.76	0.0009529
6	rs802272	124523218	TCBA1	intron 1	q22.31	CT	0.8771	1.303	0.0009535
22	rs738440	33933022	HMG2L1	50466 base upstream	q12.3	CT	0.7262	1.213	0.0009543
3	rs820451	124828079	MYLK	intron 3	q21.1	CT	0.1772	1.247	0.0009547
6	rs926924	14489412	CD83	244287 base downstream	p23	CT	0.4587	1.187	0.0009548
2	rs2433718	107969863	SLC5A7	intron 1	q12.3	AG	0.1687	0.775	0.000955
2	rs11125041	45962449	PRKCE	intron 2	p21	CT	0.7799	1.236	0.0009559
5	rs17708892	149554979	SLC6A7	intron 2	q33.1	AG	0.0239	1.707	0.0009569
22	rs7284380	33932582	HMG2L1	50906 base upstream	q12.3	AG	0.7262	1.212	0.0009578
12	rs7296039	2205194	CACNA1C	intron 3	p13.33	CG	0.0308	1.663	0.0009579
2	rs13431763	45964078	PRKCE	intron 2	p21	AG	0.2199	0.809	0.000958
21	rs9305680	40106968	LOC150084	11075 base downstream	q22.2	CG	0.684	0.832	0.000958

6	rs802252	124516294	TCBA1	intron 1	q22.31	CT	0.1222	0.764	0.0009582
2	rs1358578	51626897	NRXN1	513719 base downstream	p16.3	AG	0.4251	1.19	0.0009592
2	rs12620307	29141613	FLJ34931	intron 1	p23.2	AG	0.7483	0.813	0.0009603
4	rs9998916	175714448	HPGD	34262 base downstream	q34.1	CG	0.0882	0.717	0.0009622
9	rs17082380	81234777	CHCHD9	38007 base downstream	q21.31	AC	0.9715	0.589	0.0009625
3	rs552757	178791718	TBL1XR1	393976 base downstream	q26.32	AG	0.374	0.833	0.000963
2	rs4673461	209855352	MAP2	141663 base upstream	q34	AG	0.7784	0.81	0.0009631
1	rs11240761	202833323	LRRN5	19604 base upstream	q32.1	AC	0.6721	0.831	0.0009633
22	rs5999761	33929534	HMG2L1	53954 base upstream	q12.3	CG	0.7261	1.212	0.0009635
7	rs526981	125587892	GRM8	278000 base upstream	q31.33	CT	0.8773	1.305	0.0009641
14	rs12147244	39252820	FBXO33	281449 base downstream	q21.1	AG	0.1005	1.327	0.0009643
6	rs682747	117190566	C6orf189	intron 2	q22.2	AC	0.5412	0.83	0.0009645
2	rs2515404	113537588	IL1F5	EXON 5	q13	CT	0.3145	1.205	0.0009648
12	rs2239031	2206430	CACNA1C	intron 3	p13.33	GT	0.9692	0.601	0.0009658
5	rs11743490	30094872	CDH6	1134680 base upstream	p13.3	AG	0.9107	0.735	0.0009666
3	rs11129059	22438352	ZNF659	670532 base downstream	p24.3	AG	0.162	1.266	0.0009675
12	rs11067588	114340512	THRAP2	540253 base upstream	q24.21	CG	0.7659	1.235	0.0009679
20	rs6053263	5222381	PROKR2	8305 base upstream	p12.3	CG	0.4914	1.191	0.0009681
7	rs4947759	52985234	DKFZp564N247z	85608 base upstream	p12.1	AG	0.8489	0.786	0.0009682
6	rs603540	117190939	C6orf189	intron 2	q22.2	CT	0.4589	1.204	0.0009686
2	rs6726828	67716071	ETAA16	225034 base downstream	p14	GT	0.3549	1.197	0.0009689
8	rs13252623	12906017	C8orf79	intron 2	p22	GT	0.9391	1.466	0.0009698
12	rs2407653	87292097	KITLG	118602 base upstream	q21.32	AC	0.9221	0.73	0.0009699
10	rs4542335	97076365	SORBS1	intron 3	q23.33	CG	0.3026	1.207	0.0009704
22	rs713969	33928993	HMG2L1	54495 base upstream	q12.3	AC	0.2739	0.826	0.0009717
5	rs6887917	143534973	KCTD16	intron 2	q32	AG	0.3554	1.199	0.0009741
22	rs5746794	17963106	CLDN5	70246 base downstream	q11.21	CG	0.5322	0.833	0.0009741
12	rs12228056	89954104	KERA	14297 base upstream	q21.33	CT	0.9397	1.444	0.0009743
13	rs17215110	73018296	KLF12	139854 base upstream	q22.1	AC	0.8681	0.775	0.0009751
10	rs11196072	114466456	VTI1A	intron 7	q25.2	CT	0.0721	1.385	0.0009752
10	rs7097972	22887793	PIP4K2A	intron 4	p12.2	CT	0.406	0.839	0.0009759
18	rs9949152	40396618	SETBP1	138848 base upstream	q12.3	CT	0.1898	1.262	0.0009763
7	rs2953431	52155467	COBL	803477 base downstream	p12.1	AG	0.4338	1.188	0.0009769
9	rs10811336	20232344	MLLT3	102623 base upstream	p21.3	AC	0.8621	1.308	0.0009777
12	rs12306540	114341431	THRAP2	539334 base upstream	q24.21	AG	0.7657	1.234	0.0009784
1	rs11240764	202835999	LRRN5	16928 base upstream	q32.1	CT	0.6721	0.832	0.0009796
1	rs6594019	202835233	LRRN5	17694 base upstream	q32.1	CT	0.6721	0.832	0.0009797

1	rs6594018	202834775	LRRN5	18152 base upstream	q32.1	AG	0.3279	1.202	0.0009798
7	rs2465796	52158227	COBL	806237 base downstream	p12.1	CT	0.4338	1.188	0.0009806
12	rs10745478	87270942	KITLG	139757 base upstream	q21.32	GT	0.9275	0.718	0.0009809
16	rs7199694	6606821	A2BP1	intron 2	p13.2	AG	0.5118	0.839	0.0009816
6	rs802270	124522342	TCBA1	intron 1	q22.31	AG	0.877	1.301	0.0009818
12	rs2111038	87296649	KITLG	114050 base upstream	q21.32	CT	0.076	1.382	0.0009824
7	rs2908282	44215353	YKT6	intron 5	p13	AG	0.1781	1.251	0.0009831
9	rs10817727	117019231	1-Dec	intron 1	q33.1	AG	0.8927	0.753	0.0009833
6	rs10872698	153444170	RGS17	intron 4	q25.2	AG	0.5861	0.841	0.0009839
3	rs4679546	59364649	FHIT	345428 base upstream	p14.2	AC	0.2011	1.236	0.0009839
6	rs802253	124516437	TCBA1	intron 1	q22.31	CG	0.1221	0.765	0.0009848
6	rs9479502	153444391	RGS17	intron 4	q25.2	CT	0.4139	1.19	0.0009854
6	rs693602	117192477	C6orf189	intron 2	q22.2	AC	0.5411	0.832	0.0009855
18	rs9947555	6396648	L3MBTL4	intron 19	p11.31	CT	0.3159	0.822	0.000986
13	rs9511023	23529796	SPATA13	103090 base upstream	q12.12	AG	0.2386	1.227	0.0009865
15	rs12915677	46652089	FBN1	intron 60	q21.1	CT	0.7983	0.812	0.0009868
8	rs11136435	1779092	ARHGEF10	intron 2	p23.3	AG	0.5032	1.189	0.000987
6	rs802255	124517096	TCBA1	intron 1	q22.31	AG	0.1221	0.765	0.0009871
16	rs154537	22620480	HS3ST2	112880 base upstream	p12.1	GT	0.8262	1.267	0.0009872
6	rs9478386	153444523	RGS17	intron 4	q25.2	AG	0.4139	1.19	0.0009877
8	rs2385523	127250276	FAM84B	383592 base upstream	q24.13	AC	0.7564	0.81	0.0009878
2	rs312052	21281690	APOB	161240 base downstream	p24.1	AG	0.7613	0.81	0.0009883
12	rs10745479	87291483	KITLG	119216 base upstream	q21.32	AG	0.9221	0.73	0.000989
3	rs977305	30365684	TGFBR2	257313 base upstream	p24.1	AG	0.6416	1.2	0.0009897
2	rs6732490	67714314	ETAA16	223277 base downstream	p14	AC	0.6451	0.836	0.0009898
7	rs3815412	115977929	CAV1	intron 2	q31.2	CT	0.2498	1.21	0.0009901
5	rs4867706	172714540	STC2	25428 base downstream	q35.2	AG	0.7144	1.232	0.0009901
10	rs11597369	110493441	XPNPEP1	1121072 base upstream	q25.1	AC	0.8235	1.263	0.0009903
6	rs10872697	153442739	RGS17	intron 4	q25.2	GT	0.5862	0.841	0.0009905
10	rs4748813	22886741	PIP4K2A	intron 4	p12.2	CT	0.592	1.191	0.0009906
10	rs11194334	110747675	XPNPEP1	866838 base upstream	q25.1	AC	0.1621	0.778	0.0009907
20	rs4346455	10827336	JAG1	224642 base downstream	p12.2	CT	0.4354	0.842	0.0009908
12	rs4842604	87297081	KITLG	113618 base upstream	q21.32	CT	0.0759	1.383	0.0009925
15	rs2940333	60544836	TLN2	181965 base upstream	q22.2	AG	0.2166	0.804	0.0009931
2	rs6760893	67713993	ETAA16	222956 base downstream	p14	AG	0.3549	1.196	0.0009942
7	rs1524344	146317484	CNTNAP2	intron 3	q35	CG	0.0907	1.35	0.0009955
1	rs12409699	55456607	USP24	3257 base downstream	p32.3	AG	0.763	0.813	0.0009956

10	rs6583997	97117254	SORBS1	intron 11	q23.33	CT	0.7163	0.826	0.0009957
2	rs17033996	67713787	ETAA16	222750 base downstream	p14	AG	0.6451	0.836	0.0009961
21	rs17210470	17222789	C21orf34	321376 base downstream	q21.1	CT	0.2791	1.222	0.0009962
5	rs12513560	104050721	NUDT12	1124332 base downstream	q21.2	CT	0.8305	0.795	0.0009971
2	rs6752290	209868043	MAP2	128972 base upstream	q34	CT	0.2211	1.233	0.0009972
6	rs9479499	153441972	RGS17	intron 4	q25.2	AT	0.5862	0.841	0.0009973
10	rs7920198	110537793	XPNPEP1	1076720 base upstream	q25.1	AG	0.8171	1.259	0.0009975
4	rs2877818	175712054	HPGD	31868 base downstream	q34.1	CT	0.9117	1.386	0.0009977
10	rs3006662	32469248	KIF5B	84027 base downstream	p11.22	AC	0.0367	1.58	0.0009978
4	rs10019035	175713571	HPGD	33385 base downstream	q34.1	CT	0.9117	1.387	0.0009987
12	rs10745477	87265181	KITLG	145518 base upstream	q21.32	GT	0.919	0.729	0.0009989
10	rs7084853	85956301	PCDH21	intron 10	q23.1	AG	0.7556	1.224	0.0009989
1	rs12063029	55481326	USP24	27976 base downstream	p32.3	AG	0.2422	1.23	0.0009989
21	rs17666683	32310264	HUNK	12017 base downstream	q22.11	GT	0.8553	1.284	0.0009996
8	rs13281642	12887282	C8orf79	intron 1	p22	AT	0.9382	1.456	0.001
10	rs2998089	32470365	KIF5B	85144 base downstream	p11.22	GT	0.9633	0.633	0.001