

CHR	SNP	POS	GENE	DISTANCE	BAND	A1/A2	A1 freq	OR	P
3	rs2576377	102130439	ABI3BP	intron 34	q12.2	CT	0.1657	2.307	2.55E-08
3	rs13072000	102108512	ABI3BP	intron 33	q12.2	AG	0.8508	0.439	6.56E-08
3	rs13079002	102112831	ABI3BP	intron 33	q12.2	CT	0.8509	0.438	6.47E-08
3	rs2713782	102111994	ABI3BP	intron 33	q12.2	AG	0.8508	0.439	6.56E-08
3	rs4060963	102107251	ABI3BP	intron 33	q12.2	AG	0.1495	2.272	7.06E-08
3	rs2713787	102107128	ABI3BP	intron 33	q12.2	CG	0.8505	0.44	7.05E-08
3	rs9832195	102105082	ABI3BP	intron 33	q12.2	AC	0.1495	2.271	7.05E-08
3	rs2576365	102104116	ABI3BP	intron 32	q12.2	AC	0.8505	0.44	7.05E-08
3	rs4928096	102102450	ABI3BP	intron 32	q12.2	AG	0.8505	0.44	7.05E-08
3	rs2713793	102101864	ABI3BP	intron 32	q12.2	AG	0.1495	2.27	7.77E-08
3	rs2245266	102101463	ABI3BP	intron 32	q12.2	CT	0.8506	0.441	7.88E-08
3	rs2576369	102100845	ABI3BP	intron 32	q12.2	AG	0.8506	0.441	7.93E-08
3	rs7431835	102125413	ABI3BP	intron 33	q12.2	AT	0.15	2.264	8.56E-08
3	rs1036467	102125494	ABI3BP	intron 33	q12.2	CT	0.85	0.442	8.58E-08
3	rs17284842	102127637	ABI3BP	intron 33	q12.2	CT	0.15	2.262	8.74E-08
3	rs2245473	102098826	ABI3BP	intron 31	q12.2	AG	0.8506	0.441	8.21E-08
3	rs13060137	102130617	ABI3BP	intron 34	q12.2	AG	0.8501	0.442	8.96E-08
3	rs13077353	102132997	ABI3BP	intron 34	q12.2	GT	0.1499	2.26	9.04E-08
3	rs2245556	102098240	ABI3BP	intron 31	q12.2	CT	0.8506	0.441	8.31E-08
3	rs2576382	102150519	ABI3BP	intron 34	q12.2	AT	0.8502	0.445	1.10E-07
3	rs2595894	102160572	ABI3BP	intron 34	q12.2	CG	0.8506	0.452	1.54E-07
3	rs10511181	102172552	ABI3BP	intron 34	q12.2	GT	0.1493	2.211	1.53E-07
3	rs2576391	102159700	ABI3BP	intron 34	q12.2	CG	0.1494	2.211	1.56E-07
3	rs17398684	102178032	ABI3BP	intron 34	q12.2	AG	0.1493	2.21	1.53E-07
3	rs13088524	102170772	ABI3BP	intron 34	q12.2	AC	0.8507	0.452	1.53E-07
3	rs17398421	102155597	ABI3BP	intron 34	q12.2	GT	0.1494	2.211	1.56E-07
3	rs2595893	102160532	ABI3BP	intron 34	q12.2	CT	0.1494	2.211	1.55E-07
3	rs13074729	102248274	ABI3BP	53270 base downstream	q12.2	GT	0.8522	0.457	2.64E-07
3	rs17399603	102218829	ABI3BP	23825 base downstream	q12.2	AG	0.8513	0.461	2.71E-07
3	rs13099753	102252014	ABI3BP	57010 base downstream	q12.2	CG	0.8138	0.483	4.19E-07
3	rs16843216	102279569	ABI3BP	84565 base downstream	q12.2	CT	0.8646	0.462	8.54E-07
3	rs1375513	102253981	ABI3BP	58977 base downstream	q12.2	GT	0.1886	2.031	1.13E-06
3	rs16843229	102284910	ABI3BP	89906 base downstream	q12.2	AG	0.1333	2.211	7.44E-07
3	rs13081830	102273952	ABI3BP	78948 base downstream	q12.2	AG	0.1353	2.159	9.15E-07
3	rs16843225	102283947	ABI3BP	88943 base downstream	q12.2	GT	0.1355	2.17	7.81E-07
3	rs17219986	102282360	ABI3BP	87356 base downstream	q12.2	AG	0.1354	2.168	8.03E-07

2	rs13390174	5606908	SOX11	143341 base upstream	p25.2	CT	0.5146	0.639	0.0002307
2	rs10929647	5605816	SOX11	144433 base upstream	p25.2	AC	0.515	0.638	0.0002297
3	rs13060849	102256173	ABI3BP	61169 base downstream	q12.2	AC	0.8649	0.472	1.85E-06
2	rs2882274	5606432	SOX11	143817 base upstream	p25.2	CT	0.5149	0.638	0.0002304
3	rs13065684	102256428	ABI3BP	61424 base downstream	q12.2	CT	0.1351	2.12	1.81E-06
3	rs16843198	102265765	ABI3BP	70761 base downstream	q12.2	GT	0.8649	0.47	1.66E-06
3	rs10511182	102255525	ABI3BP	60521 base downstream	q12.2	CG	0.8649	0.473	1.93E-06
3	rs13096071	102284333	ABI3BP	89329 base downstream	q12.2	CT	0.0826	1.899	0.0004443
4	rs2602098	72354319	SLC4A4	intron 3	q13.3	GT	0.2061	1.96	8.80E-07
21	rs2245338	29929217	GRIK1	intron 9	q21.3	CT	0.8804	0.552	0.0002493
18	rs1785416	5589104	EPB41L3	55118 base downstream	p11.31	CT	0.4914	0.658	0.0004779
20	rs6039433	927720	RSPO4	intron 4	p13	CT	0.1326	1.73	0.0004918
18	rs1785414	5587676	EPB41L3	53690 base downstream	p11.31	GT	0.4954	0.66	0.0005065
18	rs2703167	37290341	PIK3C3	498855 base upstream	q12.3	AC	0.1075	0.404	0.0008151
18	rs1539811	5585958	EPB41L3	51972 base downstream	p11.31	CT	0.5134	1.56	0.0004098
18	rs1719983	5586822	EPB41L3	52836 base downstream	p11.31	CT	0.5086	1.513	0.000484
18	rs1785413	5586929	EPB41L3	52943 base downstream	p11.31	AG	0.5086	1.513	0.0004847
20	rs6100397	57284330	C20orf174	16768 base downstream	q13.32	GT	0.034	2.455	0.0006701
18	rs1785415	5588976	EPB41L3	54990 base downstream	p11.31	AG	0.4915	0.661	0.0004889
18	rs1785410	5584917	EPB41L3	50931 base downstream	p11.31	CT	0.5088	1.514	0.000481
5	rs11958887	178229183	ZNF354B	intron 4	q35.3	CT	0.8809	0.574	0.0005138
5	rs6870926	178232797	ZNF354B	intron 4	q35.3	CT	0.1193	1.732	0.0005319
18	rs1539812	5586091	EPB41L3	52105 base downstream	p11.31	CT	0.4913	0.661	0.0004821
18	rs1719944	5586603	EPB41L3	52617 base downstream	p11.31	CT	0.4913	0.661	0.0004824
5	rs6883566	178239195	ZNF354B	intron 4	q35.3	AG	0.8806	0.578	0.0005466
18	rs948271	13793024	MC5R	22740 base upstream	p11.21	CT	0.0999	1.8	0.0009326
5	rs6862829	178239194	ZNF354B	intron 4	q35.3	CT	0.8806	0.578	0.0005452
5	rs11949180	178229142	ZNF354B	intron 4	q35.3	AG	0.881	0.573	0.000511
5	rs11954382	178253452	ZFP2	2069 base upstream	q35.3	CT	0.8805	0.58	0.0005934
5	rs6894878	178244599	ZNF354B	578 base downstream	q35.3	AG	0.1194	1.73	0.0005491
5	rs11949892	178229129	ZNF354B	intron 4	q35.3	CT	0.1189	1.745	0.0005082
15	rs17303111	58797094	RORA	intron 10	q22.2	CT	0.2566	0.566	0.0001731
5	rs11948175	178227589	ZNF354B	intron 4	q35.3	AC	0.8811	0.572	0.0005041
18	rs9949908	13790956	MC5R	24808 base upstream	p11.21	GT	0.8999	0.556	0.0009336
5	rs6895371	178257390	ZFP2	intron 1	q35.3	CT	0.8805	0.58	0.0005966
18	rs1785427	5569427	EPB41L3	35441 base downstream	p11.31	AG	0.5105	1.501	0.0005511
8	rs971555	4095738	CSMD1	intron 67	p23.2	AG	0.9399	0.403	1.93E-05

8	rs6998882	4095458	CSMD1	intron 67	p23.2	AC	0.9399	0.403	1.93E-05
3	rs7621961	18374868	SATB1	intron 2	p24.3	AG	0.0375	2.802	2.83E-05
18	rs1719939	5582779	EPB41L3	48793 base downstream	p11.31	CT	0.4911	0.66	0.0004796
5	rs11958941	178229382	ZNF354B	intron 4	q35.3	CT	0.8809	0.575	0.0005155
15	rs2414680	58798563	RORA	intron 10	q22.2	AG	0.7428	1.817	0.0001427
18	rs1719933	5570911	EPB41L3	36925 base downstream	p11.31	CT	0.4896	0.666	0.0005461
5	rs11948690	178226479	ZNF354B	intron 3	q35.3	CG	0.8812	0.571	0.000499
11	rs17141842	80656128	MGC33846	1464570 base upstream	q14.1	CT	0.9459	0.441	5.14E-05
2	rs6752812	172559748	HAT1	2903 base downstream	q31.1	AC	0.3181	1.513	0.0007443
2	rs6737169	38431205	ARL6IP2	intron 12	p22.1	CT	0.2691	0.515	8.86E-06
18	rs1785407	5584350	EPB41L3	50364 base downstream	p11.31	AG	0.5089	1.514	0.0004798
18	rs1785408	5584648	EPB41L3	50662 base downstream	p11.31	AG	0.5089	1.514	0.0004804
18	rs1719943	5584667	EPB41L3	50681 base downstream	p11.31	CT	0.5088	1.514	0.0004798
18	rs1785409	5584739	EPB41L3	50753 base downstream	p11.31	CT	0.4912	0.661	0.0004805
3	rs11927883	18376571	SATB1	intron 2	p24.3	AG	0.9627	0.357	2.71E-05
3	rs3922895	18377595	SATB1	intron 2	p24.3	AT	0.0372	2.79	2.68E-05
8	rs1504769	4089356	CSMD1	intron 67	p23.2	CT	0.957	0.382	3.28E-05
2	rs10198323	38424759	ARL6IP2	intron 12	p22.1	CT	0.2694	0.515	8.87E-06
2	rs6716350	38439578	ARL6IP2	intron 12	p22.1	CT	0.7256	1.928	8.99E-06
8	rs2407941	4097308	CSMD1	intron 67	p23.2	CT	0.0675	2.305	2.92E-05
4	rs3907208	72328528	SLC4A4	intron 2	q13.3	AT	0.1334	1.936	5.75E-06
4	rs12506660	72327457	SLC4A4	intron 2	q13.3	CT	0.1335	1.935	5.84E-06
18	rs1719985	5588554	EPB41L3	54568 base downstream	p11.31	CT	0.5199	1.506	0.0005406
4	rs2045012	72332316	SLC4A4	intron 2	q13.3	GT	0.1332	1.939	5.42E-06
1	rs6719	152446303	C1orf43	EXON 1	q21.3	CT	0.4442	0.606	3.95E-05
4	rs9790757	72333961	SLC4A4	intron 2	q13.3	CT	0.1166	2.013	5.02E-06
8	rs7838274	4089879	CSMD1	intron 67	p23.2	AT	0.9573	0.381	2.98E-05
11	rs10891069	109525001	ZC3H12C	intron 2	q22.3	CT	0.757	0.605	9.13E-05
1	rs2340473	152491968	UBAP2L	intron 13	q21.3	CT	0.4444	0.608	4.03E-05
1	rs2879788	152470934	UBAP2L	intron 3	q21.3	AT	0.5562	1.644	4.19E-05
1	rs6427509	152486342	UBAP2L	intron 10	q21.3	CT	0.5557	1.644	4.03E-05
1	rs10158820	152484387	UBAP2L	intron 9	q21.3	CT	0.5558	1.644	4.05E-05
2	rs11687878	38443251	ARL6IP2	intron 12	p22.1	GT	0.7624	1.925	2.92E-05
1	rs12062977	152478140	UBAP2L	intron 7	q21.3	CT	0.5558	1.644	4.06E-05
2	rs11900967	38441642	ARL6IP2	intron 12	p22.1	AT	0.2378	0.519	2.91E-05
1	rs9803857	152458415	C1orf43	intron 4	q21.3	AG	0.4436	0.609	4.30E-05
4	rs7655668	72311240	SLC4A4	intron 1	q13.3	CG	0.8876	0.476	4.17E-06

2	rs11687138	38427194	ARL6IP2	intron 12	p22.1	AG	0.2395	0.519	2.87E-05
11	rs10891068	109524916	ZC3H12C	intron 2	q22.3	AG	0.2419	1.65	9.77E-05
4	rs1563045	72334532	SLC4A4	intron 2	q13.3	CT	0.8681	0.52	8.13E-06
1	rs10493528	74185240	LRRC44	79049 base upstream	p31.1	AT	0.3731	1.726	3.52E-06
7	rs10238136	6389871	RAC1	intron 1	p22.1	AT	0.9655	0.396	0.0002442
1	rs7544238	74191995	LRRC44	72294 base upstream	p31.1	AC	0.3737	1.732	3.18E-06
1	rs1417259	74191025	LRRC44	73264 base upstream	p31.1	GT	0.3737	1.732	3.17E-06
4	rs1319630	72334992	SLC4A4	intron 2	q13.3	CT	0.1319	1.923	8.14E-06
4	rs7689609	72302238	SLC4A4	intron 1	q13.3	CT	0.128	1.976	8.69E-06
1	rs12081389	74168149	LRRC44	96140 base upstream	p31.1	AT	0.3735	1.72	4.19E-06
4	rs2060903	72336555	SLC4A4	intron 2	q13.3	AG	0.8686	0.521	9.41E-06
1	rs7533599	74165700	LRRC44	98589 base upstream	p31.1	AG	0.3735	1.72	4.21E-06
1	rs11210377	74195971	LRRC44	68318 base upstream	p31.1	GT	0.6255	0.579	3.43E-06
1	rs12116914	74196206	LRRC44	68083 base upstream	p31.1	GT	0.3745	1.727	3.44E-06
1	rs12082647	74170715	LRRC44	93574 base upstream	p31.1	AC	0.6276	0.58	3.52E-06
1	rs11210368	74153059	LRRC44	111230 base upstream	p31.1	AG	0.3741	1.718	4.60E-06
1	rs12062996	74150383	LRRC44	113906 base upstream	p31.1	CT	0.3742	1.717	4.66E-06
1	rs7550937	74151900	LRRC44	112389 base upstream	p31.1	AG	0.3741	1.718	4.63E-06
2	rs10202823	172488378	HAT1	intron 1	q31.1	CT	0.3177	1.516	0.0007101
1	rs1768649	74152537	LRRC44	111752 base upstream	p31.1	AG	0.3741	1.718	4.62E-06
18	rs1785382	5580926	EPB41L3	46940 base downstream	p11.31	CT	0.5204	1.512	0.0005066
2	rs6727017	172475093	HAT1	12110 base upstream	q31.1	AT	0.3129	1.511	0.0009258
1	rs7544252	74149450	LRRC44	114839 base upstream	p31.1	CG	0.3742	1.717	4.69E-06
18	rs1719934	5575158	EPB41L3	41172 base downstream	p11.31	AG	0.5376	1.529	0.0007239
18	rs1785378	5577094	EPB41L3	43108 base downstream	p11.31	AG	0.4626	0.654	0.0007177
18	rs1785418	5591403	EPB41L3	57417 base downstream	p11.31	AG	0.4836	0.656	0.0005431
1	rs2733260	74159865	LRRC44	104424 base upstream	p31.1	CT	0.626	0.582	4.53E-06
5	rs11950641	178229512	ZNF354B	intron 4	q35.3	CT	0.1224	1.73	0.00079
1	rs6600426	38656605	POU3F1	371568 base downstream	p34.3	AG	0.1744	1.623	0.0006588
1	rs12064998	74202690	LRRC44	61599 base upstream	p31.1	AG	0.6253	0.579	3.51E-06
1	rs12064944	74202532	LRRC44	61757 base upstream	p31.1	AG	0.6254	0.579	3.48E-06
5	rs6865216	178252143	ZFP2	3378 base upstream	q35.3	AG	0.1304	1.803	0.0004031
4	rs10470737	72337409	SLC4A4	intron 2	q13.3	AG	0.8688	0.522	1.03E-05
18	rs1785381	5579721	EPB41L3	45735 base downstream	p11.31	CT	0.5257	1.545	0.0007352
5	rs32972	115858991	SEMA6A	intron 13	q23.1	CT	0.5146	1.704	2.13E-05
18	rs1719937	5577607	EPB41L3	43621 base downstream	p11.31	AG	0.5298	1.542	0.000701
7	rs10234438	6389325	RAC1	intron 1	p22.1	AG	0.9655	0.397	0.0002445

8	rs12675002	4101682	CSMD1	intron 67	p23.2	AG	0.0676	2.204	5.40E-05
4	rs17051173	132424433	PCDH10	1865486 base upstream	q28.3	CT	0.0285	2.816	0.0001177
2	rs312924	172272267	DYNC1I2	intron 5	q31.1	AT	0.7163	0.637	0.0002489
10	rs6482660	129849048	MKI67	34403 base downstream	q26.2	AG	0.3201	1.6	0.0001477
4	rs2861393	132426397	PCDH10	1863522 base upstream	q28.3	AG	0.0285	2.816	0.0001172
4	rs11941498	132422269	PCDH10	1867650 base upstream	q28.3	CT	0.0287	2.811	0.0001245
18	rs1785380	5579629	EPB41L3	45643 base downstream	p11.31	AC	0.5221	1.528	0.0008792
11	rs12362273	109527367	ZC3H12C	intron 2	q22.3	AC	0.7582	0.606	9.89E-05
1	rs1340434	74138234	LRRC44	126055 base upstream	p31.1	CT	0.3745	1.715	4.97E-06
1	rs1361463	74194799	LRRC44	69490 base upstream	p31.1	AT	0.3744	1.728	3.41E-06
4	rs2861394	132429544	PCDH10	1860375 base upstream	q28.3	AG	0.0285	2.817	0.0001165
1	rs12138557	74215111	LRRC44	49178 base upstream	p31.1	AC	0.3751	1.724	3.71E-06
1	rs10890094	74175476	LRRC44	88813 base upstream	p31.1	AG	0.6273	0.58	3.51E-06
13	rs9597010	54051478	OLFM4	1527291 base downstream	q21.1	AT	0.1705	0.473	0.0002237
1	rs10890093	74175413	LRRC44	88876 base upstream	p31.1	GT	0.6274	0.58	3.51E-06
7	rs1541363	24845137	OSBPL3	intron 9	p15.3	CT	0.8888	2.302	0.0008451
4	rs10006868	132421378	PCDH10	1868541 base upstream	q28.3	CG	0.9707	0.358	0.00015
7	rs2286192	84542645	SEMA3D	intron 14	q21.11	CT	0.1324	1.846	0.0001791
2	rs11884107	38418894	ARL6IP2	intron 11	p22.1	CT	0.7517	1.878	3.75E-05
7	rs6957484	84540088	SEMA3D	intron 13	q21.11	GT	0.8682	0.544	0.0001835
7	rs6966472	84537323	SEMA3D	intron 13	q21.11	CT	0.1316	1.834	0.0001854
7	rs16887821	84534250	SEMA3D	intron 12	q21.11	CG	0.1315	1.831	0.0001874
4	rs17051172	132412892	PCDH10	1877027 base upstream	q28.3	CT	0.0294	2.786	0.0001558
4	rs17051170	132412751	PCDH10	1877168 base upstream	q28.3	AC	0.0295	2.784	0.000161
1	rs11210383	74208096	LRRC44	56193 base upstream	p31.1	AC	0.3748	1.725	3.58E-06
3	rs9869809	176304233	NAALADL2	intron 2	q26.31	AT	0.4775	0.615	4.07E-05
4	rs10008591	132437567	PCDH10	1852352 base upstream	q28.3	CT	0.9712	0.345	6.77E-05
8	rs16894295	97172072	GDF6	51665 base upstream	q22.1	AG	0.0573	2.416	0.0001202
4	rs4624669	132434465	PCDH10	1855454 base upstream	q28.3	AG	0.9712	0.345	6.80E-05
2	rs312918	172277833	DYNC1I2	intron 6	q31.1	CG	0.2838	1.569	0.0002508
18	rs2703175	37303085	PIK3C3	486111 base upstream	q12.3	AG	0.1099	0.415	0.0008618
1	rs12076161	74161472	LRRC44	102817 base upstream	p31.1	AC	0.625	0.584	5.11E-06
4	rs12504073	182937652	ODZ3	544478 base upstream	q35.1	AC	0.532	0.664	0.0009087
2	rs7597387	172285362	DYNC1I2	intron 7	q31.1	CT	0.2835	1.567	0.0002664
11	rs600421	109526092	ZC3H12C	intron 2	q22.3	GT	0.2508	1.609	0.0001717
1	rs12077198	74161523	LRRC44	102766 base upstream	p31.1	AG	0.625	0.584	5.09E-06
4	rs12641606	132409675	PCDH10	1880244 base upstream	q28.3	CT	0.0296	2.781	0.000173

4	rs11947432	132410530	PCDH10	1879389 base upstream	q28.3	AG	0.0295	2.783	0.0001699
2	rs10206062	172285522	DYNC1I2	intron 7	q31.1	AT	0.7165	0.638	0.0002678
6	rs9384957	116166045	FRK	203341 base upstream	q22.1	CT	0.1769	1.621	0.0005427
7	rs7809347	84545533	SEMA3D	intron 14	q21.11	AG	0.8633	0.54	0.0001931
2	rs12185567	172268975	DYNC1I2	intron 3	q31.1	AC	0.2835	1.57	0.0002489
2	rs13431831	38418548	ARL6IP2	intron 11	p22.1	CG	0.2484	0.533	3.78E-05
1	rs9662322	74224911	LRRC44	39378 base upstream	p31.1	GT	0.5953	0.567	4.84E-06
2	rs973889	172288200	DYNC1I2	intron 7	q31.1	AG	0.7167	0.639	0.0002741
2	rs10177042	38417031	ARL6IP2	intron 11	p22.1	CG	0.7163	1.877	1.26E-05
11	rs2846615	109527801	ZC3H12C	intron 2	q22.3	CT	0.7493	0.622	0.0001786
1	rs11265251	152423714	TPM3	intron 8	q21.3	CT	0.4245	0.614	9.84E-05
2	rs312925	172272168	DYNC1I2	intron 5	q31.1	AG	0.2836	1.57	0.0002489
2	rs10207085	172294131	DYNC1I2	intron 14	q31.1	GT	0.2833	1.565	0.0002758
1	rs10493526	74158268	LRRC44	106021 base upstream	p31.1	CT	0.3754	1.71	5.38E-06
11	rs665013	109528838	ZC3H12C	intron 2	q22.3	CT	0.2505	1.603	0.0001968
11	rs1675981	109527878	ZC3H12C	intron 2	q22.3	GT	0.7493	0.622	0.0001808
11	rs667625	109528270	ZC3H12C	intron 2	q22.3	GT	0.7494	0.623	0.0001862
7	rs13222785	84546498	SEMA3D	intron 14	q21.11	AG	0.1367	1.853	0.0001926
11	rs581464	109527592	ZC3H12C	intron 2	q22.3	GT	0.7493	0.622	0.0001756
6	rs6901833	40745631	LRFN2	82527 base downstream	p21.1	AG	0.2165	1.613	0.0008813
4	rs10938138	72339473	SLC4A4	intron 2	q13.3	CG	0.1148	1.98	9.33E-06
4	rs12650549	72340320	SLC4A4	intron 3	q13.3	GT	0.8855	0.506	9.84E-06
11	rs622822	109528374	ZC3H12C	intron 2	q22.3	GT	0.2506	1.604	0.0001896
11	rs649847	109529837	ZC3H12C	intron 3	q22.3	CG	0.2504	1.6	0.0002058
4	rs4694388	72340027	SLC4A4	intron 3	q13.3	AG	0.8855	0.506	9.76E-06
11	rs683593	109526143	ZC3H12C	intron 2	q22.3	AC	0.7492	0.621	0.0001717
4	rs10518587	132410710	PCDH10	1879209 base upstream	q28.3	GT	0.0295	2.783	0.0001663
4	rs2363717	72342980	SLC4A4	intron 3	q13.3	GT	0.1141	1.973	1.07E-05
11	rs694974	109524562	ZC3H12C	intron 2	q22.3	CT	0.7491	0.621	0.0001668
7	rs7804456	148246576	EZH2	34229 base downstream	q36.1	CT	0.2142	1.595	0.0005006
8	rs10503418	11156393	MTMR9	23016 base upstream	p23.1	CT	0.4227	1.462	0.0009047
2	rs6757773	172257876	DYNC1I2	intron 3	q31.1	AT	0.7167	0.636	0.0002495
4	rs9992638	132404922	PCDH10	1884997 base upstream	q28.3	AT	0.9703	0.36	0.0001852
11	rs679264	109531670	ZC3H12C	intron 3	q22.3	AG	0.7498	0.627	0.0002258
2	rs6721680	172252159	DYNC1I2	68 base upstream	q31.1	GT	0.283	1.572	0.0002511
11	rs17110877	109532396	ZC3H12C	intron 3	q22.3	AG	0.7499	0.628	0.0002353
1	rs2789708	74129798	LRRC44	134491 base upstream	p31.1	AT	0.4293	1.669	1.37E-05

2	rs6725388	172438261	SLC25A12	intron 16	q31.1	CG	0.3196	1.505	0.0008992
2	rs11678984	172244094	DYNC1I2	8133 base upstream	q31.1	GT	0.7174	0.637	0.0002661
1	rs2792075	74129950	LRRC44	134339 base upstream	p31.1	CT	0.5708	0.599	1.39E-05
11	rs585334	109530847	ZC3H12C	intron 3	q22.3	AG	0.2503	1.598	0.0002168
11	rs678835	109531787	ZC3H12C	intron 3	q22.3	CT	0.2502	1.594	0.0002321
7	rs17153906	26553081	SCAP2	120133 base upstream	p15.2	CT	0.7902	0.602	0.0001139
11	rs3017769	109533247	ZC3H12C	intron 3	q22.3	AG	0.25	1.59	0.000249
4	rs2016353	72341689	SLC4A4	intron 3	q13.3	AG	0.1142	1.974	1.06E-05
2	rs2292815	172294897	DYNC1I2	intron 15	q31.1	CG	0.7168	0.639	0.0002803
1	rs6660710	74233724	LRRC44	30565 base upstream	p31.1	AG	0.5997	0.571	7.88E-06
1	rs6663201	74233585	LRRC44	30704 base upstream	p31.1	CT	0.4001	1.75	7.90E-06
2	rs2138348	172266418	DYNC1I2	intron 3	q31.1	GT	0.7166	0.637	0.0002489
11	rs622192	109538447	ZC3H12C	intron 4	q22.3	AT	0.25	1.589	0.0002562
1	rs2104861	225275244	CDC42BPA	intron 5	q42.13	CT	0.35	0.639	0.0006271
8	rs542253	97177903	GDF6	45834 base upstream	q22.1	AG	0.0571	2.423	0.0001162
2	rs4667694	172313645	DYNC1I2	480 base downstream	q31.1	AG	0.2831	1.563	0.0002908
8	rs546474	97181208	GDF6	42529 base upstream	q22.1	AG	0.9429	0.411	0.0001127
2	rs10166005	172315540	DYNC1I2	2375 base downstream	q31.1	CT	0.717	0.64	0.0002933
2	rs4668412	172328016	DYNC1I2	14851 base downstream	q31.1	AG	0.717	0.64	0.0002985
2	rs10184866	172317202	DYNC1I2	4037 base downstream	q31.1	GT	0.283	1.562	0.0002946
10	rs11597105	6552587	PRKCQ	intron 6	p15.1	AG	0.1446	0.499	0.0009471
11	rs621672	109538856	ZC3H12C	intron 4	q22.3	CT	0.7501	0.629	0.0002503
2	rs6745929	38406957	ARL6IP2	intron 11	p22.1	CT	0.7334	1.958	1.06E-05
2	rs1554166	172249855	DYNC1I2	2372 base upstream	q31.1	GT	0.7174	0.636	0.0002546
5	rs1435195	105490206	EFNA5	1254043 base upstream	q21.3	CG	0.1604	1.783	4.35E-05
1	rs2343196	74235010	LRRC44	29279 base upstream	p31.1	CT	0.4007	1.754	7.91E-06
4	rs2579331	72345306	SLC4A4	intron 3	q13.3	AG	0.1302	1.87	2.37E-05
10	rs11199590	122593274	BRWD2	7410 base upstream	q26.12	CT	0.02	3.592	5.76E-05
11	rs602189	109525740	ZC3H12C	intron 2	q22.3	AG	0.2344	1.624	0.0002395
2	rs10194102	172334389	SLC25A12	14737 base upstream	q31.1	CG	0.2829	1.561	0.0003037
7	rs6946693	69791004	AUTS2	intron 5	q11.22	GT	0.3054	1.496	0.0008562
4	rs2063658	21477856	KCNIP4	intron 8	p15.31	AT	0.5138	0.654	0.0003271
11	rs633410	109529896	ZC3H12C	intron 3	q22.3	CT	0.2503	1.599	0.0002126
2	rs6722757	172300209	DYNC1I2	intron 15	q31.1	AG	0.7139	0.639	0.0002964
4	rs9995748	132454388	PCDH10	1835531 base upstream	q28.3	CT	0.033	2.789	0.0001127
11	rs1026608	109540472	ZC3H12C	EXON 6	q22.3	AG	0.7509	0.625	0.0002148
11	rs1026607	109540511	ZC3H12C	EXON 6	q22.3	AG	0.7509	0.625	0.0002153

2	rs11904009	172335589	SLC25A12	13537 base upstream	q31.1	GT	0.2828	1.56	0.0003092
11	rs653992	109524141	ZC3H12C	intron 2	q22.3	CT	0.7493	0.621	0.0001706
3	rs9290531	176306423	NAALADL2	intron 2	q26.31	AG	0.5298	1.593	8.07E-05
7	rs4461846	84530345	SEMA3D	intron 11	q21.11	CT	0.864	0.583	0.0004403
4	rs12641430	132449990	PCDH10	1839929 base upstream	q28.3	CT	0.0329	2.799	0.0001067
8	rs17069688	4084387	CSMD1	intron 67	p23.2	CG	0.0446	2.771	1.39E-05
7	rs2240394	84530877	SEMA3D	intron 11	q21.11	CT	0.1361	1.718	0.0004363
2	rs10174525	172343943	SLC25A12	5183 base upstream	q31.1	CT	0.2828	1.559	0.0003127
7	rs2347338	6384803	RAC1	intron 1	p22.1	CT	0.9649	0.392	0.0002421
2	rs6705200	172345846	SLC25A12	3280 base upstream	q31.1	AG	0.7173	0.642	0.0003148
2	rs10803863	172243583	DYNC112	8644 base upstream	q31.1	CT	0.7173	0.637	0.000274
4	rs12641562	132446415	PCDH10	1843504 base upstream	q28.3	AC	0.9672	0.354	8.97E-05
2	rs10497374	172348869	SLC25A12	257 base upstream	q31.1	AG	0.7173	0.642	0.0003161
15	rs4420510	89947230	SLCO3A1	250719 base upstream	q26.1	AG	0.3302	0.6	0.0001749
7	rs16887818	84529379	SEMA3D	intron 11	q21.11	CG	0.8641	0.583	0.0004441
6	rs1415699	130357104	L3MBTL3	24322 base upstream	q22.33	AG	0.0848	0.263	6.63E-05
4	rs12641624	132453787	PCDH10	1836132 base upstream	q28.3	CT	0.967	0.358	0.000111
4	rs2063656	21478155	KCNIP4	intron 8	p15.31	AC	0.4729	1.492	0.0005537
5	rs10479364	105631852	EFNA5	1112397 base upstream	q21.3	CT	0.8364	0.542	1.94E-05
4	rs10018289	132440597	PCDH10	1849322 base upstream	q28.3	AG	0.0288	2.899	6.69E-05
3	rs936475	176304842	NAALADL2	intron 2	q26.31	GT	0.5661	0.632	5.22E-05
2	rs908671	172398511	SLC25A12	intron 10	q31.1	CG	0.7068	0.642	0.0003738
4	rs12647579	132453477	PCDH10	1836442 base upstream	q28.3	AT	0.967	0.358	0.0001103
2	rs6710698	172304324	DYNC112	intron 15	q31.1	CG	0.2987	1.549	0.0004992
8	rs17069682	4083982	CSMD1	intron 67	p23.2	AC	0.0445	2.767	1.48E-05
4	rs11946051	132450305	PCDH10	1839614 base upstream	q28.3	GT	0.9671	0.358	0.0001082
3	rs17338506	102089971	ABI3BP	intron 31	q12.2	CT	0.1436	1.836	0.0001612
5	rs13154869	105619351	EFNA5	1124898 base upstream	q21.3	GT	0.8365	0.542	1.94E-05
4	rs2063657	21478058	KCNIP4	intron 8	p15.31	AG	0.527	0.67	0.0005567
2	rs7608403	172355011	SLC25A12	intron 3	q31.1	AC	0.7169	0.645	0.0003633
2	rs11757	172349291	SLC25A12	EXON 1	q31.1	CG	0.7173	0.642	0.0003206
8	rs17069679	4081661	CSMD1	intron 67	p23.2	AG	0.0441	2.715	2.74E-05
2	rs6754817	172371640	SLC25A12	intron 5	q31.1	CT	0.7169	0.645	0.0003647
4	rs12512316	21480772	KCNIP4	intron 8	p15.31	AG	0.5265	0.675	0.0006364
12	rs1504558	97093097	TMPO	340442 base upstream	q23.1	CG	0.6549	1.668	0.0004899
4	rs12650292	132449623	PCDH10	1840296 base upstream	q28.3	AG	0.0328	2.827	9.05E-05
2	rs908670	172398426	SLC25A12	intron 10	q31.1	CT	0.2932	1.557	0.0003731

11	rs584008	109531136	ZC3H12C	intron 3	q22.3	CT	0.7444	0.61	0.0002356
5	rs10040995	105596450	EFNA5	1147799 base upstream	q21.3	CT	0.8284	0.552	3.12E-05
13	rs9555926	89090532	GPC5	1758355 base upstream	q31.3	AG	0.0266	2.8	0.0001766
2	rs10167419	172358072	SLC25A12	intron 4	q31.1	AG	0.7166	0.646	0.0003851
4	rs980363	72358121	SLC4A4	intron 3	q13.3	AG	0.7504	0.59	2.86E-05
4	rs1316758	132492216	PCDH10	1797703 base upstream	q28.3	CT	0.0335	2.498	0.0003831
2	rs4953868	133486143	NAP5	intron 12	q21.2	AG	0.4372	0.647	0.0005784
2	rs6759575	172397314	SLC25A12	intron 10	q31.1	CT	0.7169	0.645	0.000364
2	rs12692973	172350303	SLC25A12	intron 1	q31.1	CT	0.7174	0.642	0.0003265
2	rs3770445	172417165	SLC25A12	intron 14	q31.1	CT	0.2934	1.556	0.0003811
16	rs9935841	45096893	SHCBP1	75074 base upstream	q11.2	AG	0.1525	1.658	0.0005619
2	rs12692978	172434227	SLC25A12	intron 16	q31.1	CT	0.7256	0.64	0.0003887
15	rs11637543	89900920	SV2B	261268 base downstream	q26.1	CT	0.2938	0.593	0.0001648
2	rs2316431	236072455	CENTG2	intron 1	q37.2	CT	0.8295	0.614	0.0007769
6	rs2876066	130363872	L3MBTL3	17554 base upstream	q22.33	AC	0.0838	0.261	7.74E-05
4	rs12504827	21481084	KCNIP4	intron 8	p15.31	AG	0.4732	1.476	0.0007111
4	rs11931096	132488079	PCDH10	1801840 base upstream	q28.3	CT	0.9664	0.397	0.0003622
6	rs945889	130362937	L3MBTL3	18489 base upstream	q22.33	CT	0.0847	0.266	7.57E-05
4	rs17051178	132486892	PCDH10	1803027 base upstream	q28.3	GT	0.0336	2.519	0.00036
2	rs3770451	172376961	SLC25A12	intron 7	q31.1	GT	0.283	1.551	0.0003581
2	rs3770452	172376928	SLC25A12	intron 7	q31.1	AG	0.7171	0.645	0.0003577
2	rs7586207	172379340	SLC25A12	intron 8	q31.1	AG	0.717	0.645	0.0003595
2	rs4668414	172412537	SLC25A12	intron 14	q31.1	AC	0.7166	0.645	0.0003735
2	rs6758704	172363343	SLC25A12	intron 5	q31.1	CT	0.2834	1.547	0.0003875
9	rs10815714	7904008	C9orf123	114209 base downstream	p24.1	CT	0.1056	1.752	0.0008156
5	rs974073	105493632	EFNA5	1250617 base upstream	q21.3	GT	0.1438	1.748	0.0001046
2	rs1865951	236080078	CENTG2	intron 1	q37.2	AG	0.8291	0.62	0.000827
5	rs10520944	28874857	CDH9	1800411 base downstream	p14.1	AC	0.7684	0.633	0.000731
3	rs17588879	176306452	NAALADL2	intron 2	q26.31	AT	0.4342	1.583	5.14E-05
5	rs7705866	105596842	EFNA5	1147407 base upstream	q21.3	CT	0.1717	1.812	3.11E-05
16	rs246240	16026525	ABCC1	intron 5	p13.11	AG	0.8452	2.111	0.0001886
21	rs363529	29936192	GRIK1	intron 9	q21.3	CG	0.8489	0.594	0.0003994
5	rs17616969	28895838	CDH9	1821392 base downstream	p14.1	AG	0.7685	0.633	0.0007268
4	rs1709257	71017595	LOC401137	36897 base upstream	q13.3	AC	0.0381	2.487	0.000442
5	rs16898178	28851719	CDH9	1777273 base downstream	p14.1	AC	0.7682	0.634	0.0007811
21	rs16998436	40067833	LOC150084	intron 4	q22.2	CT	0.0871	1.936	0.0003793
4	rs4585325	132501459	PCDH10	1788460 base upstream	q28.3	CT	0.9665	0.4	0.0003838

8	rs17329730	53656739	UNQ9433	16174 base downstream	q11.23	AT	0.4365	1.497	0.0009241
4	rs17051177	132486687	PCDH10	1803232 base upstream	q28.3	AG	0.0336	2.52	0.0003594
4	rs1991316	95487295	PGDS	4245 base downstream	q22.3	GT	0.3718	1.499	0.0006844
4	rs1040036	21465676	KCNIP4	intron 8	p15.31	GT	0.5249	0.677	0.0009154
2	rs6724337	172443575	SLC25A12	intron 16	q31.1	CT	0.7166	0.645	0.0003724
4	rs11940669	132476044	PCDH10	1813875 base upstream	q28.3	CT	0.9664	0.396	0.0003523
2	rs7599284	236075691	CENTG2	intron 1	q37.2	AG	0.8291	0.62	0.0008281
4	rs8180150	132508352	PCDH10	1781567 base upstream	q28.3	AC	0.0334	2.481	0.0004032
16	rs3814883	29902423	TAOK2	EXON 13	p11.2	CT	0.517	0.623	0.0001385
4	rs2865353	95489901	PGDS	6851 base downstream	q22.3	CT	0.6283	0.667	0.0006833
4	rs7438414	95484845	PGDS	1795 base downstream	q22.3	CT	0.6282	0.667	0.0006842
5	rs972529	105495362	EFNA5	1248887 base upstream	q21.3	AC	0.8562	0.572	0.0001046
4	rs17051181	132509434	PCDH10	1780485 base upstream	q28.3	CT	0.0334	2.481	0.0004022
21	rs2837204	40067939	LOC150084	intron 4	q22.2	CT	0.095	1.908	0.0002721
4	rs4282187	95492168	PGDS	9118 base downstream	q22.3	CT	0.6283	0.667	0.0006838
16	rs246214	16022393	ABCC1	intron 5	p13.11	CT	0.845	2.107	0.0001895
3	rs17588796	176306392	NAALADL2	intron 2	q26.31	AG	0.4341	1.582	5.25E-05
4	rs11727030	95481688	PGDS	intron 5	q22.3	AG	0.3719	1.499	0.0006851
21	rs16998444	40068571	LOC150084	intron 4	q22.2	AG	0.0872	1.935	0.0003835
5	rs10063657	105638139	EFNA5	1106110 base upstream	q21.3	CT	0.172	1.819	2.96E-05
3	rs936474	176305423	NAALADL2	intron 2	q26.31	AG	0.5661	0.632	5.22E-05
1	rs4650237	74232437	LRRC44	31852 base upstream	p31.1	GT	0.5595	0.592	2.62E-05
5	rs1991970	105458740	EFNA5	1285509 base upstream	q21.3	AC	0.1437	1.749	0.0001017
4	rs8180189	132509387	PCDH10	1780532 base upstream	q28.3	CT	0.9666	0.403	0.0004026
18	rs2635509	44768190	SMAD7	37111 base downstream	q21.1	AG	0.4226	1.618	6.37E-05
10	rs11199677	122705142	BRWD2	46117 base downstream	q26.12	AC	0.0208	3.753	4.75E-05
4	rs724260	95479708	PGDS	intron 5	q22.3	AG	0.3719	1.499	0.0006853
4	rs6840479	95494865	PGDS	11815 base downstream	q22.3	AG	0.3708	1.5	0.0007004
6	rs9396812	17953140	KIF13A	intron 29	p22.3	AG	0.5858	0.678	0.0006775
4	rs1343670	132503523	PCDH10	1786396 base upstream	q28.3	CT	0.0334	2.48	0.0004043
6	rs7759444	40754017	LRFN2	90913 base downstream	p21.1	AG	0.2005	1.608	0.0004671
5	rs12719550	105507616	EFNA5	1236633 base upstream	q21.3	AT	0.8561	0.572	0.0001057
7	rs7800255	84532070	SEMA3D	intron 11	q21.11	AT	0.1327	1.758	0.0007137
8	rs10903331	10769957	XKR6	21109 base upstream	p23.1	CG	0.1939	0.449	1.68E-05
8	rs2919390	32646497	NRG1	intron 3	p12	AC	0.6049	1.606	0.0002093
1	rs11210390	74227364	LRRC44	36925 base upstream	p31.1	CT	0.4403	1.686	2.63E-05
2	rs938675	236087152	CENTG2	intron 1	q37.2	CT	0.8289	0.625	0.0009575

3	rs17059208	41611668	ULK4	intron 6	p22.1	CG	0.9443	0.422	0.0001236
3	rs9848123	176299863	NAALADL2	intron 2	q26.31	AG	0.4047	0.627	0.0001476
16	rs12325539	29941134	FLJ25404	1021 base upstream	p11.2	CT	0.4039	1.663	0.0001161
16	rs11150581	29938200	FLJ25404	3955 base upstream	p11.2	CT	0.4037	1.657	0.0001145
10	rs11199603	122607331	BRWD2	intron 2	q26.12	AG	0.9812	0.284	8.31E-05
16	rs11642612	29937696	FLJ25404	4459 base upstream	p11.2	AC	0.5964	0.604	0.0001144
4	rs4146422	132508470	PCDH10	1781449 base upstream	q28.3	CT	0.9666	0.403	0.0004032
9	rs1322303	10639309	PTPRD	36800 base downstream	p23	AG	0.7631	0.618	0.0001344
10	rs11199612	122621095	BRWD2	intron 10	q26.12	CT	0.9813	0.285	8.72E-05
2	rs4663602	236091352	CENTG2	intron 1	q37.2	AG	0.1712	1.6	0.0009678
15	rs4775230	58091041	FOXB1	5607 base downstream	q22.2	CT	0.1623	1.683	0.0005146
5	rs10073985	105575000	EFNA5	1169249 base upstream	q21.3	CT	0.8546	0.558	5.50E-05
10	rs11199613	122622408	BRWD2	intron 10	q26.12	CT	0.0187	3.508	8.75E-05
10	rs12355961	122624977	BRWD2	intron 11	q26.12	AG	0.0186	3.505	8.87E-05
15	rs9920841	58089832	FOXB1	4398 base downstream	q22.2	AG	0.8377	0.594	0.0005162
10	rs12355108	122623411	BRWD2	EXON 11	q26.12	CT	0.9813	0.285	8.78E-05
2	rs2316435	236090677	CENTG2	intron 1	q37.2	AT	0.8288	0.625	0.0009674
9	rs1923439	10638898	PTPRD	36389 base downstream	p23	GT	0.237	1.619	0.0001367
2	rs4663604	236094249	CENTG2	intron 1	q37.2	AG	0.1712	1.6	0.0009712
5	rs1423298	28807655	CDH9	1733209 base downstream	p14.1	CT	0.2314	1.578	0.0007495
3	rs7646135	176312988	NAALADL2	intron 2	q26.31	AT	0.4385	1.57	8.47E-05
2	rs6753473	26379923	GPR113	4621 base upstream	p23.3	GT	0.0235	2.87	0.0002956
2	rs10460276	236094532	CENTG2	intron 1	q37.2	CT	0.8288	0.625	0.0009762
4	rs6821156	154491352	MND1	intron 2	q31.3	AT	0.5646	0.612	9.20E-05
5	rs17583873	28990579	CDH9	1916133 base downstream	p14.1	CT	0.232	1.578	0.0007753
2	rs6731720	236095585	CENTG2	intron 1	q37.2	GT	0.1712	1.6	0.0009782
5	rs11742039	6574824	NSUN2	77530 base upstream	p15.31	GT	0.2049	1.717	0.0002294
15	rs7495265	89951919	SLCO3A1	246030 base upstream	q26.1	CT	0.2946	0.564	0.0001157
1	rs12593	225238913	CABC1	EXON 12	q42.13	CT	0.5255	0.658	0.0002853
1	rs11210389	74227289	LRRC44	37000 base upstream	p31.1	AC	0.4398	1.681	2.64E-05
7	rs10259316	17412231	AHR	59934 base downstream	p21.1	GT	0.3895	0.615	0.0004296
10	rs12360470	122586221	BRWD2	14463 base upstream	q26.12	AG	0.0215	3.504	5.25E-05
3	rs1381130	176299621	NAALADL2	intron 2	q26.31	CT	0.4047	0.627	0.0001481
6	rs11962303	40752262	LRFN2	89158 base downstream	p21.1	AC	0.2011	1.591	0.0005956
8	rs3898733	124803982	ANXA13	intron 10	q24.13	CT	0.6952	1.623	0.0009095
16	rs17291845	53802538	IRX6	113433 base upstream	q12.2	AG	0.1336	1.671	0.0009338
4	rs4694387	72339718	SLC4A4	intron 2	q13.3	AC	0.1146	1.979	9.57E-06

8	rs17069674	4081435	CSMD1	intron 67	p23.2	CT	0.0425	2.655	5.69E-05
10	rs11199632	122645462	BRWD2	intron 19	q26.12	CT	0.9815	0.286	9.51E-05
18	rs4800580	20402119	HRH4	88201 base downstream	q11.2	AG	0.3361	0.644	0.0009324
10	rs12355611	122646633	BRWD2	intron 19	q26.12	AC	0.9815	0.287	9.66E-05
10	rs12355703	122589381	BRWD2	11303 base upstream	q26.12	CG	0.0214	3.521	5.22E-05
9	rs4380991	10655668	PTPRD	53159 base downstream	p23	AT	0.1457	1.891	4.95E-05
1	rs6665290	225267729	CDC42BPA	intron 3	q42.13	CT	0.5203	0.655	0.0003034
5	rs11134164	6575043	NSUN2	77311 base upstream	p15.31	AG	0.7942	0.586	0.0002638
1	rs11165870	97668350	DPYD	intron 9	p21.3	CT	0.4468	0.614	7.16E-05
3	rs4505709	176311011	NAALADL2	intron 2	q26.31	AG	0.4396	1.564	9.40E-05
3	rs9859106	176302128	NAALADL2	intron 2	q26.31	AT	0.3972	0.638	0.0002635
3	rs6782155	176310488	NAALADL2	intron 2	q26.31	AG	0.4394	1.563	9.46E-05
18	rs9304467	20403162	HRH4	89244 base downstream	q11.2	AG	0.3365	0.645	0.0009399
4	rs16849331	74496772	ALB	intron 7	q13.3	GT	0.971	0.359	0.0002017
18	rs9950310	20403739	HRH4	89821 base downstream	q11.2	CT	0.3367	0.645	0.0009435
1	rs6693140	107983470	VAV3	intron 7	p13.3	CT	0.19	1.624	0.0002826
3	rs6796537	176315077	NAALADL2	intron 2	q26.31	CT	0.4428	0.635	0.0001379
3	rs6797510	176309960	NAALADL2	intron 2	q26.31	AG	0.4393	1.562	9.60E-05
18	rs4800186	20407884	HRH4	93966 base downstream	q11.2	AT	0.6625	1.549	0.0009676
3	rs6797428	176309927	NAALADL2	intron 2	q26.31	AG	0.4392	1.562	9.64E-05
6	rs1471546	136513493	PDE7B	intron 5	q23.3	CT	0.4191	1.601	6.28E-05
9	rs10809144	10637333	PTPRD	34824 base downstream	p23	CT	0.2374	1.615	0.0001459
3	rs6809009	176315114	NAALADL2	intron 2	q26.31	GT	0.5573	1.576	0.0001378
3	rs6774509	176315311	NAALADL2	intron 2	q26.31	AT	0.4427	0.635	0.0001378
6	rs1038214	136520887	PDE7B	intron 8	q23.3	AG	0.5753	0.633	8.60E-05
3	rs6774272	176319087	NAALADL2	intron 2	q26.31	CT	0.5571	1.583	0.0001361
3	rs6773961	176318751	NAALADL2	intron 2	q26.31	AT	0.5573	1.576	0.0001377
3	rs11710345	176309283	NAALADL2	intron 2	q26.31	AG	0.4392	1.562	9.66E-05
2	rs1712005	115906362	DPP10	intron 3	q14.1	AG	0.0912	1.912	0.0001381
3	rs6809556	176318826	NAALADL2	intron 2	q26.31	CT	0.4427	0.635	0.0001376
3	rs2862042	176319542	NAALADL2	intron 2	q26.31	CT	0.4431	0.629	0.0001351
19	rs12976005	37368143	ZNF507	160249 base upstream	q13.11	CG	0.4801	1.568	0.0001498
3	rs4355289	176311154	NAALADL2	intron 2	q26.31	AG	0.5571	1.575	0.0001398
3	rs9877212	176314128	NAALADL2	intron 2	q26.31	CT	0.5572	1.575	0.0001381
21	rs16998556	40093555	LOC150084	intron 8	q22.2	GT	0.9133	0.512	0.0003171
4	rs11099102	132536774	PCDH10	1753145 base upstream	q28.3	CT	0.0324	2.453	0.0006265
13	rs9555925	89090502	GPC5	1758385 base upstream	q31.3	CT	0.0266	2.8	0.0001769

2	rs11679270	38422312	ARL6IP2	intron 11	p22.1	AC	0.319	0.561	2.32E-05
18	rs9304466	20402971	HRH4	89053 base downstream	q11.2	CG	0.6638	1.552	0.0009341
2	rs11679271	38422331	ARL6IP2	intron 11	p22.1	CT	0.6811	1.784	2.31E-05
21	rs16998519	40087119	LOC150084	intron 7	q22.2	GT	0.0863	1.967	0.0002768
16	rs12935507	53798452	IRX6	117519 base upstream	q12.2	AT	0.8662	0.595	0.0009672
3	rs9847129	176312381	NAALADL2	intron 2	q26.31	CT	0.4429	0.635	0.0001395
4	rs11936773	132537559	PCDH10	1752360 base upstream	q28.3	GT	0.9677	0.408	0.0006234
9	rs4131202	10643484	PTPRD	40975 base downstream	p23	CT	0.7793	0.59	7.16E-05
16	rs2647972	50225696	SALL1	483012 base downstream	q12.1	CT	0.4858	1.541	0.0004213
1	rs12354219	97693544	DPYD	intron 10	p21.3	CT	0.4422	0.61	6.32E-05
4	rs12648650	132565936	PCDH10	1723983 base upstream	q28.3	AC	0.9678	0.406	0.0005888
5	rs9327956	105488872	EFNA5	1255377 base upstream	q21.3	CT	0.1438	1.748	0.0001039
6	rs4896202	136514189	PDE7B	intron 6	q23.3	GT	0.4192	1.6	6.18E-05
6	rs9320545	116106532	FRK	262854 base upstream	q22.1	CT	0.7825	0.632	0.000523
12	rs1847534	97094264	TMPO	339275 base upstream	q23.1	AC	0.323	0.604	0.0007308
4	rs6532482	95496437	PGDS	13387 base downstream	q22.3	AG	0.3647	1.51	0.0004858
5	rs4702359	6574202	NSUN2	78152 base upstream	p15.31	AG	0.7625	0.586	0.0001128
10	rs11199530	122502220	BRWD2	98464 base upstream	q26.12	AG	0.9762	0.294	9.65E-05
15	rs729978	58974308	RORA	intron 10	q22.2	CT	0.3038	0.606	0.0006601
4	rs11945624	132550197	PCDH10	1739722 base upstream	q28.3	AG	0.0323	2.457	0.0006124
4	rs6532481	95496334	PGDS	13284 base downstream	q22.3	GT	0.6352	0.662	0.0004826
6	rs1471545	136513400	PDE7B	intron 5	q23.3	CT	0.419	1.601	6.27E-05
16	rs7204626	50235764	SALL1	493080 base downstream	q12.1	CT	0.2801	1.59	0.0001191
4	rs1911882	132482173	PCDH10	1807746 base upstream	q28.3	CT	0.0336	2.524	0.0003539
1	rs4949953	97677368	DPYD	intron 9	p21.3	CT	0.4463	0.613	7.03E-05
1	rs6659424	225264498	CDC42BPA	intron 3	q42.13	AG	0.5173	0.661	0.000331
9	rs13299260	123780890	TTLL11	10122 base upstream	q33.2	CT	0.5053	1.499	0.0005451
18	rs12607480	41955585	CCDC5	intron 4	q21.1	AG	0.1424	0.479	0.0007334
1	rs12129397	97673140	DPYD	intron 9	p21.3	AT	0.5535	1.63	7.07E-05
1	rs11165873	97675378	DPYD	intron 9	p21.3	AT	0.5536	1.63	7.05E-05
3	rs212039	60013621	FHIT	intron 5	p14.2	CT	0.9085	0.537	0.0003842
4	rs1593554	95497524	PGDS	14474 base downstream	q22.3	CT	0.3648	1.511	0.0004852
15	rs729977	58974360	RORA	intron 10	q22.2	CT	0.6959	1.641	0.0006717
1	rs1929862	225266341	CDC42BPA	intron 3	q42.13	AG	0.4828	1.513	0.0003301
1	rs12403236	225263125	CDC42BPA	intron 3	q42.13	CG	0.5165	0.663	0.0003738
8	rs12541855	32647451	NRG1	intron 3	p12	CT	0.6371	1.588	0.0003957
16	rs3814881	29908402	TAOK2	intron 16	p11.2	AG	0.4525	1.544	0.0002381

4	rs16849372	74514655	AFP	6141 base upstream	q13.3	AT	0.0291	2.781	0.0002026
3	rs212041	60013318	FHIT	intron 5	p14.2	GT	0.9086	0.537	0.0003937
2	rs11902679	26381302	GPR113	3242 base upstream	p23.3	CT	0.9765	0.348	0.0002974
16	rs2647971	50225366	SALL1	482682 base downstream	q12.1	CT	0.4857	1.538	0.0004312
1	rs12409755	225263572	CDC42BPA	intron 3	q42.13	AT	0.5166	0.663	0.0003658
4	rs9997915	95497050	PGDS	14000 base downstream	q22.3	CT	0.3648	1.511	0.0004854
1	rs6704144	225267653	CDC42BPA	intron 3	q42.13	CG	0.4828	1.514	0.0003287
4	rs6535584	149309538	NR3C2	intron 5	q31.23	CT	0.5913	1.528	0.0004436
1	rs3897854	97690894	DPYD	intron 10	p21.3	CT	0.5578	1.64	6.33E-05
4	rs6839224	95498237	PGDS	15187 base downstream	q22.3	GT	0.6352	0.662	0.0004851
16	rs3935873	29926001	DOC2A	EXON 6	p11.2	CT	0.5481	0.645	0.0002116
16	rs2346943	7435187	A2BP1	intron 4	p13.2	GT	0.4305	0.657	0.000534
1	rs7550959	97699427	DPYD	intron 10	p21.3	AG	0.4364	0.614	9.59E-05
1	rs2149186	89277631	GBP1	12943 base upstream	p22.2	GT	0.1644	0.487	0.000389
16	rs9933246	7437703	A2BP1	intron 4	p13.2	CT	0.4304	0.659	0.0005856
1	rs6426559	225262499	CDC42BPA	intron 3	q42.13	CT	0.4835	1.508	0.0003713
2	rs1375010	38411164	ARL6IP2	intron 11	p22.1	AG	0.3228	0.567	2.62E-05
2	rs10496652	126453217	GYPC	676936 base upstream	q14.3	AG	0.2699	0.594	0.000593
4	rs6844516	74453060	ALB	35809 base upstream	q13.3	AT	0.0289	2.801	0.0002008
21	rs16998521	40087288	LOC150084	intron 7	q22.2	AG	0.0863	1.967	0.0002769
2	rs1717054	115906019	DPP10	intron 3	q14.1	CT	0.9088	0.523	0.0001365
2	rs1437896	133485247	NAP5	intron 12	q21.2	CT	0.413	0.657	0.0009846
13	rs994066	89081759	GPC5	1767128 base upstream	q31.3	CG	0.0267	2.801	0.0001865
16	rs3814880	29925396	DOC2A	intron 2	p11.2	CT	0.4519	1.55	0.0002136
4	rs12649130	132578708	PCDH10	1711211 base upstream	q28.3	CG	0.9678	0.406	0.0005891
1	rs1045252	225248178	CDC42BPA	EXON 1	q42.13	AG	0.5168	0.663	0.0003577
13	rs2325129	43897258	TSC22D1	8402 base upstream	q14.11	CT	0.4206	0.626	0.0001984
1	rs11588904	225262834	CDC42BPA	intron 3	q42.13	CT	0.4835	1.508	0.0003723
1	rs1062908	225248177	CDC42BPA	EXON 1	q42.13	CG	0.5169	0.663	0.000357
18	rs8083916	41948674	CCDC5	intron 2	q21.1	AC	0.1418	0.487	0.0008544
1	rs3795451	225248546	CDC42BPA	EXON 1	q42.13	CT	0.5168	0.663	0.0003591
1	rs1045287	225245585	CDC42BPA	EXON 1	q42.13	CT	0.4831	1.509	0.000356
1	rs3795449	225248461	CDC42BPA	EXON 1	q42.13	GT	0.4832	1.509	0.0003584
1	rs7541033	225254994	CDC42BPA	intron 2	q42.13	AC	0.4829	1.51	0.0003479
1	rs1186	225244354	CDC42BPA	EXON 1	q42.13	AT	0.5169	0.662	0.0003554
8	rs2406453	3078201	CSMD1	intron 44	p23.2	CG	0.0453	2.176	0.0008694
1	rs1045290	225245323	CDC42BPA	EXON 1	q42.13	AG	0.5169	0.663	0.0003557

18	rs4243278	41961878	CCDC5	intron 8	q21.1	AG	0.8575	2.096	0.0007127
1	rs3768425	225244750	CDC42BPA	EXON 1	q42.13	AG	0.5169	0.662	0.0003555
1	rs1343743	225249748	CDC42BPA	intron 2	q42.13	CT	0.5166	0.663	0.0003645
1	rs1045289	225245336	CDC42BPA	EXON 1	q42.13	CT	0.5169	0.663	0.0003558
1	rs2297418	225259202	CDC42BPA	intron 2	q42.13	AC	0.5161	0.663	0.0003802
1	rs11587443	225254519	CDC42BPA	intron 2	q42.13	CT	0.4835	1.508	0.0003684
18	rs12185417	20409016	HRH4	95098 base downstream	q11.2	AC	0.3337	0.636	0.0007598
6	rs9494457	136516487	PDE7B	intron 6	q23.3	AT	0.3987	1.606	7.09E-05
2	rs843385	115894049	DPP10	intron 3	q14.1	CT	0.0911	1.921	0.0001201
1	rs10916075	225250697	CDC42BPA	intron 2	q42.13	AG	0.4835	1.509	0.0003665
18	rs1945153	20409841	HRH4	95923 base downstream	q11.2	AG	0.6619	1.547	0.0009862
2	rs17650774	6830471	LOC129607	75432 base upstream	p25.2	AG	0.74	0.636	0.0002943
1	rs1045285	225245677	CDC42BPA	EXON 1	q42.13	AG	0.4831	1.509	0.0003562
5	rs931062	6573684	NSUN2	78670 base upstream	p15.31	CT	0.2056	1.702	0.0002619
9	rs11794075	120842902	DBC1	125826 base upstream	q33.1	AG	0.9087	0.501	6.98E-05
6	rs4896198	136507126	PDE7B	intron 3	q23.3	CT	0.4034	1.601	8.28E-05
6	rs12662330	136508312	PDE7B	intron 3	q23.3	AC	0.5964	0.624	7.98E-05
13	rs9560407	89086817	GPC5	1762070 base upstream	q31.3	AG	0.9734	0.357	0.0001788
6	rs9449500	83338480	TPBG	205147 base downstream	q14.1	GT	0.032	2.519	0.0005234
13	rs11619041	43927733	TSC22D1	intron 2	q14.11	AG	0.5758	1.557	0.0003174
1	rs17536161	115171509	SYCP1	27468 base upstream	p13.2	AG	0.0433	2.366	0.0009034
9	rs16909038	2668958	VLDLR	24473 base downstream	p24.2	CG	0.9267	0.502	0.0003008
1	rs10495273	225249982	CDC42BPA	intron 2	q42.13	GT	0.4834	1.509	0.0003652
1	rs6684821	225256856	CDC42BPA	intron 2	q42.13	AG	0.4837	1.508	0.0003736
3	rs13091963	102220701	ABI3BP	25697 base downstream	q12.2	AG	0.2905	1.621	8.21E-05
16	rs9924686	29910577	TAOK2	EXON 19	p11.2	AG	0.4524	1.544	0.0002353
15	rs12592999	58975113	RORA	intron 10	q22.2	AG	0.2977	0.611	0.0006927
1	rs12409428	225256592	CDC42BPA	intron 2	q42.13	CT	0.4836	1.508	0.0003723
3	rs1546060	56410435	CAST1	intron 15	p14.3	AC	0.6225	0.677	0.0009996
21	rs16998550	40092123	LOC150084	intron 8	q22.2	CT	0.0867	1.957	0.0003094
3	rs9851360	56410015	CAST1	intron 15	p14.3	CT	0.6236	0.674	0.0008676
9	rs6475926	2668059	VLDLR	23574 base downstream	p24.2	CT	0.0734	1.993	0.000299
6	rs4714357	40749271	LRFN2	86167 base downstream	p21.1	AG	0.7984	0.629	0.0006491
2	rs843394	115904553	DPP10	intron 3	q14.1	GT	0.0913	1.914	0.0001338
9	rs1542358	2663393	VLDLR	18908 base downstream	p24.2	CT	0.9284	0.48	0.0002079
9	rs7046015	2667787	VLDLR	23302 base downstream	p24.2	AG	0.9266	0.502	0.0002981
2	rs4589732	38409334	ARL6IP2	intron 11	p22.1	CG	0.6771	1.762	2.64E-05

13	rs12873354	39474064	COG6	249432 base downstream	q13.3	CT	0.6402	0.641	0.0001497
6	rs16893894	40749486	LRFN2	86382 base downstream	p21.1	CT	0.2016	1.589	0.0006503
3	rs6805882	56414093	CAST1	intron 15	p14.3	CT	0.3785	1.481	0.0009577
9	rs7847455	2668427	VLDLR	23942 base downstream	p24.2	AT	0.9266	0.502	0.0002995
4	rs7675336	74455492	ALB	33377 base upstream	q13.3	AG	0.9711	0.357	0.0002009
6	rs1600619	136507868	PDE7B	intron 3	q23.3	AT	0.4036	1.602	7.99E-05
3	rs1491158	56411201	CAST1	intron 15	p14.3	AG	0.3765	1.487	0.0008208
13	rs7339164	39470053	COG6	245421 base downstream	q13.3	AG	0.3602	1.567	0.000129
4	rs16849293	74460813	ALB	28056 base upstream	q13.3	AG	0.9711	0.357	0.000201
8	rs2701438	73175792	TRPA1	25419 base downstream	q13.3	GT	0.1938	1.617	0.0003257
9	rs10756080	10647559	PTPRD	45050 base downstream	p23	CT	0.136	1.833	4.93E-05
6	rs4896199	136507265	PDE7B	intron 3	q23.3	AC	0.5966	0.625	8.28E-05
6	rs4714358	40749374	LRFN2	86270 base downstream	p21.1	AC	0.2016	1.589	0.0006493
1	rs10912878	173301266	TNN	2350 base upstream	q25.1	AT	0.729	0.579	1.77E-05
19	rs10411220	37367247	ZNF507	161145 base upstream	q13.11	AG	0.3424	1.529	0.0002541
1	rs12409660	173288830	TNN	14786 base upstream	q25.1	CG	0.2711	1.728	1.79E-05
19	rs7260436	37368934	ZNF507	159458 base upstream	q13.11	AC	0.4834	1.551	0.0002469
14	rs1698517	42258722	LRFN5	815224 base downstream	q21.2	CT	0.0669	2.157	0.0002147
6	rs7748159	136506228	PDE7B	intron 3	q23.3	GT	0.4033	1.601	8.42E-05
1	rs3856106	180321600	ZNF648	24130 base downstream	q25.3	CT	0.6199	1.713	0.000138
15	rs12917513	52109020	UNC13C	intron 1	q21.3	AT	0.8285	0.553	0.0001766
2	rs843390	115891622	DPP10	intron 3	q14.1	CG	0.0911	1.923	0.000116
9	rs6475927	2668077	VLDLR	23592 base downstream	p24.2	AG	0.0734	1.993	0.0002995
4	rs10020236	95497016	PGDS	13966 base downstream	q22.3	AG	0.3679	1.521	0.0005544
2	rs843393	115890266	DPP10	intron 3	q14.1	AG	0.091	1.924	0.0001166
9	rs7859818	2664110	VLDLR	19625 base downstream	p24.2	AG	0.9266	0.499	0.0002721
15	rs12595222	58093606	FOXB1	8172 base downstream	q22.2	AG	0.159	1.68	0.0004862
8	rs2701437	73179080	TRPA1	28707 base downstream	q13.3	AG	0.8059	0.619	0.0003302
3	rs11130518	56412896	CAST1	intron 15	p14.3	CT	0.3782	1.48	0.0009687
9	rs7874073	2664864	VLDLR	20379 base downstream	p24.2	AG	0.0735	1.999	0.0002799
6	rs1600620	136507734	PDE7B	intron 3	q23.3	AT	0.5965	0.624	8.17E-05
3	rs1463524	176290623	NAALADL2	intron 1	q26.31	CT	0.5775	1.493	0.0009639
1	rs8179259	180318899	ZNF648	21429 base downstream	q25.3	CG	0.6206	1.717	0.0001487
1	rs11586346	95633790	RWDD3	148421 base downstream	p21.3	AC	0.9131	0.521	0.0001899
3	rs2713775	102221017	ABI3BP	26013 base downstream	q12.2	AT	0.7095	0.617	8.30E-05
8	rs4076071	26559908	DPYSL2	intron 10	p21.2	CT	0.8764	2.2	0.0007815
3	rs6445788	56418235	CAST1	intron 15	p14.3	CG	0.3564	1.49	0.0009352

1	rs12743570	75106090	C1orf171	102194 base downstream	p31.1	CG	0.2578	1.587	0.0003734
14	rs11159275	77087999	SPTLC2	intron 3	q24.3	CT	0.4608	1.566	0.0006741
15	rs17237465	58977303	RORA	intron 10	q22.2	CT	0.3022	0.62	0.0007618
6	rs2170231	136508827	PDE7B	intron 3	q23.3	CT	0.6015	0.623	7.40E-05
9	rs4641116	10649290	PTPRD	46781 base downstream	p23	CT	0.864	0.546	4.95E-05
9	rs10756088	10651370	PTPRD	48861 base downstream	p23	AG	0.8634	0.541	5.17E-05
13	rs9546775	84064321	SLITRK1	709792 base downstream	q31.1	GT	0.1306	1.648	0.0009609
9	rs11793970	2665728	VLDLR	21243 base downstream	p24.2	CG	0.0735	1.996	0.0002901
1	rs7552148	75112763	C1orf171	108867 base downstream	p31.1	CT	0.742	0.631	0.0003738
9	rs7030381	10651622	PTPRD	49113 base downstream	p23	AG	0.1367	1.849	5.19E-05
16	rs4583255	29896442	TAOK2	intron 1	p11.2	AG	0.5461	0.651	0.0002902
3	rs1546061	56410482	CAST1	intron 15	p14.3	CG	0.3777	1.478	0.0009881
9	rs7030672	10651798	PTPRD	49289 base downstream	p23	CG	0.1369	1.853	5.28E-05
8	rs1544980	10715391	PINX1	intron 2	p23.1	CT	0.2004	0.546	0.0003709
2	rs1402446	115885861	DPP10	intron 3	q14.1	AG	0.9096	0.518	0.0001358
10	rs11002926	80752296	RAI17	6017 base downstream	q22.3	AC	0.7334	1.744	0.0003935
9	rs4587381	10647075	PTPRD	44566 base downstream	p23	GT	0.1361	1.831	5.09E-05
13	rs9575636	84142066	SLITRK1	787537 base downstream	q31.1	AG	0.119	1.686	0.0007148
9	rs7034568	10652358	PTPRD	49849 base downstream	p23	CT	0.1373	1.861	5.44E-05
2	rs1717040	115885270	DPP10	intron 3	q14.1	CT	0.0904	1.93	0.0001371
3	rs6763636	56415469	CAST1	intron 15	p14.3	GT	0.381	1.489	0.0008714
4	rs6535914	154482001	TRIM2	2083 base downstream	q31.3	CT	0.3633	1.662	0.0001162
8	rs1469557	10744211	PINX1	9502 base downstream	p23.1	CT	0.7945	1.915	0.0001281
13	rs7319590	84181912	SLITRK1	827383 base downstream	q31.1	CT	0.1147	1.737	0.0004612
1	rs6693535	225264308	CDC42BPA	intron 3	q42.13	AG	0.491	1.517	0.0003494
9	rs7029311	2667743	VLDLR	23258 base downstream	p24.2	AG	0.0734	1.994	0.0002973
3	rs11130520	56416159	CAST1	intron 15	p14.3	GT	0.3812	1.49	0.0008646
9	rs2890924	10622596	PTPRD	20087 base downstream	p23	GT	0.8541	0.567	0.0001375
9	rs7019756	10652166	PTPRD	49657 base downstream	p23	CT	0.8628	0.538	5.42E-05
13	rs9514322	104282823	DAOA	633541 base upstream	q33.2	CT	0.6023	0.649	0.0003615
15	rs3803487	58976901	RORA	intron 10	q22.2	AG	0.3022	0.62	0.0007589
4	rs13110782	187045575	SORBS2	intron 20	q35.1	AG	0.4215	0.657	0.0008475
1	rs10890086	74134374	LRRC44	129915 base upstream	p31.1	AC	0.5271	0.635	0.0001216
5	rs10068181	105642920	EFNA5	1101329 base upstream	q21.3	AG	0.1559	1.784	7.69E-05
14	rs1712699	42258562	LRFN5	815064 base downstream	q21.2	AC	0.9267	0.492	0.0002635
9	rs4262363	10654367	PTPRD	51858 base downstream	p23	AG	0.1377	1.87	5.63E-05
1	rs1194596	152505007	UBAP2L	intron 23	q21.3	AG	0.4704	0.671	0.0008161

9	rs4578000	10647332	PTPRD	44823 base downstream	p23	AG	0.8639	0.546	5.06E-05
15	rs12592976	81227450	FSD2	intron 1	q25.2	CT	0.1178	0.467	0.0009505
1	rs17113478	95634310	RWDD3	148941 base downstream	p21.3	CG	0.9131	0.522	0.0001912
4	rs7659326	92459702	TMSL3	480410 base downstream	q22.1	AT	0.2572	0.528	8.29E-05
9	rs7045753	10658198	PTPRD	55689 base downstream	p23	CT	0.8612	0.528	6.30E-05
9	rs10756079	10646211	PTPRD	43702 base downstream	p23	CT	0.1364	1.828	5.34E-05
9	rs7029840	2667429	VLDLR	22944 base downstream	p24.2	AC	0.0734	1.994	0.0002965
8	rs11986722	127597922	FAM84B	35946 base upstream	q24.21	CG	0.893	0.569	0.0006072
9	rs4272438	10655040	PTPRD	52531 base downstream	p23	AT	0.8619	0.532	5.84E-05
5	rs13185419	105650965	EFNA5	1093284 base upstream	q21.3	AC	0.8437	0.559	7.68E-05
1	rs11210366	74140143	LRRC44	124146 base upstream	p31.1	CT	0.5575	0.613	7.11E-05
16	rs4788209	29920767	FLJ90652	intron 6	p11.2	CT	0.5542	0.649	0.0002986
9	rs10756092	10654583	PTPRD	52074 base downstream	p23	AC	0.862	0.532	5.85E-05
13	rs12561049	89050456	GPC5	1798431 base upstream	q31.3	AG	0.0267	2.81	0.0002557
8	rs2587578	73172159	TRPA1	21786 base downstream	q13.3	AG	0.1919	1.615	0.0003183
16	rs4788204	29902719	TAOK2	intron 13	p11.2	AG	0.4539	1.536	0.0002877
1	rs10890092	74174906	LRRC44	89383 base upstream	p31.1	CT	0.4719	1.578	0.0001092
1	rs12121720	75159525	C1orf171	155629 base downstream	p31.1	AG	0.2694	1.541	0.0005993
3	rs9880091	56416835	CAST1	intron 15	p14.3	CT	0.3554	1.488	0.0009532
5	rs13185392	105650703	EFNA5	1093546 base upstream	q21.3	CT	0.1563	1.788	7.63E-05
5	rs6452297	25914456	CDH9	1002009 base upstream	p14.1	CT	0.3411	1.596	0.0001491
13	rs9634611	89054175	GPC5	1794712 base upstream	q31.3	GT	0.9733	0.356	0.0002507
18	rs12960420	20409134	HRH4	95216 base downstream	q11.2	CT	0.6619	1.547	0.000984
9	rs10756076	10645642	PTPRD	43133 base downstream	p23	AG	0.1365	1.827	5.42E-05
6	rs210051	90708821	BACH2	intron 2	q15	AG	0.6803	1.618	0.0003449
10	rs11593579	36687776	FZD8	717408 base downstream	p11.21	AG	0.1146	1.806	0.0001818
1	rs11165434	95758927	RWDD3	273558 base downstream	p21.3	GT	0.9131	0.537	0.000404
20	rs6056491	925164	RSPO4	intron 4	p13	AG	0.9386	0.456	0.0001557
7	rs760226	152433153	ACTR3B	249757 base downstream	q36.2	AG	0.6543	1.654	0.000196
16	rs4787489	29903381	TAOK2	intron 13	p11.2	AG	0.4538	1.536	0.0002864
1	rs12135050	95765051	RWDD3	279682 base downstream	p21.3	AG	0.0868	1.877	0.0004256
1	rs12118601	88293965	PKN2	628544 base upstream	p22.2	CT	0.6626	1.681	0.0001243
3	rs9817231	56416017	CAST1	intron 15	p14.3	AT	0.6189	0.671	0.0008671
20	rs6055881	8455713	PLCB1	intron 3	p12.3	CT	0.6108	1.666	8.80E-05
9	rs10809147	10645366	PTPRD	42857 base downstream	p23	CT	0.8633	0.548	5.62E-05
1	rs17600725	225270854	CDC42BPA	intron 4	q42.13	AG	0.5191	0.674	0.0006899
2	rs7581748	115905074	DPP10	intron 3	q14.1	AT	0.9055	0.533	0.000206

8	rs1896238	112148387	KCNV1	1092252 base downstream	q23.2	AG	0.2755	0.583	0.0003723
6	rs9387353	116094037	FRK	275349 base upstream	q22.1	CT	0.7847	0.627	0.000484
5	rs7728507	153738544	GALNT10	intron 5	q33.2	CT	0.7111	1.8	7.50E-05
5	rs1422665	153737245	GALNT10	intron 5	q33.2	CT	0.7089	1.801	7.61E-05
5	rs1428660	25917816	CDH9	998649 base upstream	p14.1	CT	0.6592	0.629	0.0001548
13	rs9575638	84147159	SLITRK1	792630 base downstream	q31.1	GT	0.8807	0.594	0.000705
2	rs875653	38366026	ARL6IP2	10601 base upstream	p22.2	CT	0.8352	2.018	0.0002985
1	rs4650235	74143228	LRRC44	121061 base upstream	p31.1	AG	0.4815	1.602	9.50E-05
4	rs2319750	52565714	LOC339977	intron 3	q12	CT	0.1497	0.513	0.0007543
9	rs10809145	10645189	PTPRD	42680 base downstream	p23	AG	0.1367	1.825	5.66E-05
1	rs6664850	75124915	C1orf171	121019 base downstream	p31.1	AG	0.2674	1.539	0.0006167
8	rs4733048	26555006	DPYSL2	intron 8	p21.2	CT	0.1228	0.457	0.000829
4	rs4336191	74419872	ALB	68997 base upstream	q13.3	CT	0.0276	2.737	0.0003229
3	rs7627996	176301721	NAALADL2	intron 2	q26.31	CT	0.6069	1.532	0.0005387
16	rs4283241	29895850	TAOK2	intron 1	p11.2	AG	0.4539	1.536	0.0002908
13	rs9319065	84157238	SLITRK1	802709 base downstream	q31.1	AG	0.8807	0.594	0.0007027
5	rs17116042	153740522	GALNT10	intron 6	q33.2	CT	0.2906	0.555	7.24E-05
13	rs12100200	84143232	SLITRK1	788703 base downstream	q31.1	AG	0.1193	1.682	0.000725
1	rs1760802	152525899	HAX1	10926 base downstream	q21.3	CG	0.4701	0.665	0.0007681
14	rs17633001	42261110	LRFN5	817612 base downstream	q21.2	AG	0.929	0.476	0.000336
1	rs17600669	225268494	CDC42BPA	intron 3	q42.13	AG	0.519	0.673	0.000655
1	rs1044013	152509739	UBAP2L	EXON 26	q21.3	CT	0.4703	0.668	0.0007783
4	rs13123243	116420192	NDST4	165711 base downstream	q26	AT	0.3902	1.594	7.39E-05
1	rs1194593	152512136	HAX1	intron 1	q21.3	AG	0.4702	0.666	0.0007677
16	rs2075157	45321875	MLCK	intron 8	q11.2	CT	0.8581	0.58	0.0004669
13	rs7994475	89055707	GPC5	1793180 base upstream	q31.3	AG	0.0267	2.806	0.0002488
1	rs10798331	173301060	TNN	2556 base upstream	q25.1	AG	0.3457	1.63	4.63E-05
4	rs6816636	92459915	TMSL3	480623 base downstream	q22.1	AC	0.7424	1.887	8.27E-05
13	rs1326452	104282736	DAOA	633628 base upstream	q33.2	AG	0.4146	1.546	0.0002203
12	rs1354486	97094459	TMPO	339080 base upstream	q23.1	AG	0.3016	0.6	0.0008662
16	rs9925915	29901187	TAOK2	intron 10	p11.2	CG	0.4539	1.536	0.0002893
4	rs6813599	116426743	NDST4	172262 base downstream	q26	AT	0.6098	0.629	7.62E-05
7	rs12672384	26559015	SCAP2	114199 base upstream	p15.2	CT	0.2133	1.618	0.0002368
1	rs1340447	74176368	LRRC44	87921 base upstream	p31.1	AC	0.5278	0.634	0.0001087
6	rs3846739	80193185	C6orf152	58242 base upstream	q14.1	AG	0.1231	1.716	0.0004084
7	rs13224424	97318328	ASNS	1048 base upstream	q21.3	CT	0.132	1.732	0.0002415
13	rs9565956	84121490	SLITRK1	766961 base downstream	q31.1	CT	0.1118	1.723	0.0006758

1	rs6424568	74212970	LRRC44	51319 base upstream	p31.1	AG	0.5172	0.617	6.52E-05
4	rs7676815	116469038	NDST4	214557 base downstream	q26	CT	0.3897	1.573	8.89E-05
4	rs6533855	116473561	NDST4	219080 base downstream	q26	AG	0.3897	1.573	8.89E-05
1	rs17562236	75146613	C1orf171	142717 base downstream	p31.1	AG	0.7319	0.652	0.0006145
5	rs6891526	105644816	EFNA5	1099433 base upstream	q21.3	AG	0.1943	1.688	0.0001594
1	rs12755578	75147442	C1orf171	143546 base downstream	p31.1	CG	0.7319	0.651	0.000614
4	rs7439118	116481902	NDST4	227421 base downstream	q26	CT	0.3897	1.573	8.89E-05
16	rs7204797	29875516	LOC124446	5335 base upstream	p11.2	CT	0.5458	0.655	0.0003558
1	rs2733267	74177642	LRRC44	86647 base upstream	p31.1	AG	0.5277	0.633	0.0001086
4	rs12503088	116491650	NDST4	237169 base downstream	q26	CG	0.6104	0.636	8.88E-05
13	rs7997861	104283297	DAOA	633067 base upstream	q33.2	CT	0.4149	1.547	0.0002269
8	rs11990167	10741808	PINX1	7099 base downstream	p23.1	CT	0.7967	1.881	0.000187
7	rs10486010	97316254	ASNS	3122 base upstream	q21.3	CT	0.132	1.731	0.0002396
6	rs12205135	116092185	FRK	277201 base upstream	q22.1	CG	0.215	1.596	0.0004907
1	rs12127639	75167786	C1orf171	163890 base downstream	p31.1	CG	0.7306	0.649	0.0006013
1	rs2733262	74169484	LRRC44	94805 base upstream	p31.1	CT	0.5275	0.638	0.0001358
8	rs7010709	10739369	PINX1	4660 base downstream	p23.1	CT	0.2032	0.534	0.0001974
7	rs10486011	97319748	ASNS	intron 1	q21.3	CT	0.8682	0.577	0.0002448
4	rs4349617	116465817	NDST4	211336 base downstream	q26	CT	0.6103	0.636	8.88E-05
16	rs11150577	29894026	TAOK2	intron 1	p11.2	AG	0.454	1.534	0.0003047
4	rs4694161	74413190	ANKRD17	69824 base downstream	q13.3	AG	0.0275	2.721	0.0003445
11	rs12222200	19040692	MRGPRX2	1888 base downstream	p15.1	CT	0.6274	0.666	0.0009916
4	rs4519812	116466112	NDST4	211631 base downstream	q26	AG	0.6103	0.636	8.88E-05
9	rs1322300	10625232	PTPRD	22723 base downstream	p23	CT	0.2401	1.57	0.0003158
4	rs4274815	74418309	ALB	70560 base upstream	q13.3	AT	0.0276	2.73	0.0003319
9	rs7031441	2673052	VLDLR	28567 base downstream	p24.2	CG	0.0991	1.908	0.000124
8	rs17152571	10720187	PINX1	intron 2	p23.1	AG	0.1311	0.418	0.0001039
11	rs1714336	15201694	INSC	intron 8	p15.2	CT	0.5971	0.669	0.0005477
16	rs4318227	29892340	TAOK2	382 base upstream	p11.2	CG	0.546	0.652	0.0003076
1	rs2733265	74175716	LRRC44	88573 base upstream	p31.1	CG	0.5278	0.634	0.0001088
11	rs4755236	44205402	EXT2	intron 12	p11.2	CG	0.6341	0.667	0.0004737
16	rs11247495	45361965	MLCK	22243 base downstream	q11.2	CT	0.8528	0.568	0.0003604
13	rs7139884	104283684	DAOA	632680 base upstream	q33.2	AC	0.4151	1.549	0.0002328
4	rs4345145	74420504	ALB	68365 base upstream	q13.3	CT	0.9722	0.363	0.0002957
10	rs11199661	122679558	BRWD2	20533 base downstream	q26.12	AG	0.0193	3.413	0.0001232
13	rs7322623	39454803	COG6	230171 base downstream	q13.3	AC	0.3539	1.568	0.0002029
8	rs6990589	10739944	PINX1	5235 base downstream	p23.1	AG	0.2029	0.534	0.0002027

10	rs7897007	24661175	KIAA1217	intron 3	p12.1	AG	0.8217	0.584	0.0001035
1	rs10782637	75176175	C1orf171	172279 base downstream	p31.1	AC	0.7307	0.649	0.0006105
7	rs10486009	97316047	ASNS	3329 base upstream	q21.3	CG	0.8679	0.578	0.0002381
4	rs6446922	74415477	ANKRD17	72111 base downstream	q13.3	AG	0.9724	0.367	0.0003384
1	rs881713	95757654	RWDD3	272285 base downstream	p21.3	AG	0.0869	1.86	0.0004031
10	rs12359177	122678184	BRWD2	19159 base downstream	q26.12	AG	0.0193	3.42	0.000121
3	rs1282931	113073512	PHLDB2	11987 base upstream	q13.2	AT	0.3289	1.512	0.0009784
10	rs12357022	122680429	BRWD2	21404 base downstream	q26.12	AG	0.9807	0.293	0.0001246
10	rs11199663	122682094	BRWD2	23069 base downstream	q26.12	AG	0.0194	3.405	0.000126
4	rs1948983	116464246	NDST4	209765 base downstream	q26	CG	0.6103	0.636	8.88E-05
4	rs4834466	116483034	NDST4	228553 base downstream	q26	CG	0.3897	1.573	8.89E-05
10	rs11199660	122679402	BRWD2	20377 base downstream	q26.12	AG	0.0193	3.418	0.0001217
9	rs10756072	10625939	PTPRD	23430 base downstream	p23	AG	0.7599	0.636	0.0003077
2	rs10496495	115959914	DPP10	intron 3	q14.1	CT	0.091	1.868	0.000242
13	rs9602525	84114641	SLITRK1	760112 base downstream	q31.1	AT	0.1102	1.719	0.0007262
1	rs3795453	225271954	CDC42BPA	intron 5	q42.13	CT	0.4797	1.465	0.0009705
8	rs2701444	73172073	TRPA1	21700 base downstream	q13.3	CT	0.8081	0.619	0.0003189
6	rs9405506	1653870	GMDS	intron 2	p25.3	CT	0.2307	1.648	0.0001819
4	rs6446920	74412327	ANKRD17	68961 base downstream	q13.3	CT	0.0275	2.724	0.0003474
18	rs2587642	37343203	PIK3C3	445993 base upstream	q12.3	CT	0.3696	1.555	0.000201
13	rs9567450	44106744	TSC22D1	58043 base downstream	q14.11	CT	0.639	1.581	0.0003355
10	rs11199659	122678943	BRWD2	19918 base downstream	q26.12	AT	0.0193	3.42	0.0001211
4	rs6829587	116486031	NDST4	231550 base downstream	q26	CT	0.3897	1.572	8.98E-05
8	rs7819694	4080287	CSMD1	intron 67	p23.2	CT	0.0411	2.534	0.0001302
13	rs13378761	84112297	SLITRK1	757768 base downstream	q31.1	AC	0.1101	1.719	0.0007311
10	rs7092964	128737210	DOCK1	intron 21	q26.2	CT	0.9159	0.556	0.0009566
4	rs4408930	74419733	ALB	69136 base upstream	q13.3	AG	0.0276	2.735	0.0003258
1	rs12747472	75084050	C1orf171	80154 base downstream	p31.1	CT	0.2902	1.573	0.0005066
1	rs17479604	108005170	VAV3	intron 8	p13.3	AC	0.1372	1.654	0.0006977
10	rs10741051	24662335	KIAA1217	intron 3	p12.1	AG	0.1782	1.709	0.0001054
3	rs1495693	41535096	ULK4	intron 5	p22.1	CT	0.0609	1.977	0.0007539
7	rs672366	152434353	ACTR3B	250957 base downstream	q36.2	CG	0.3148	0.593	0.0002327
19	rs7260548	37369022	ZNF507	159370 base upstream	q13.11	CT	0.5132	0.656	0.0004333
1	rs4465211	219585205	DUSP10	356183 base upstream	q41	AG	0.3607	1.524	0.0004758
1	rs10863604	219588044	DUSP10	353344 base upstream	q41	CG	0.3608	1.525	0.0004726
4	rs13101335	116474793	NDST4	220312 base downstream	q26	GT	0.3897	1.573	8.89E-05
8	rs17152584	10723261	PINX1	intron 3	p23.1	AG	0.1315	0.418	0.0001025

8	rs6995541	10708670	PINX1	intron 1	p23.1	AG	0.6961	1.606	0.0009987
20	rs17782078	3489382	ATRN	EXON 8	p13	CT	0.0498	2.071	0.0009643
1	rs7537211	180325179	ZNF648	27709 base downstream	q25.3	AG	0.613	1.637	0.0002781
1	rs12129191	75167915	C1orf171	164019 base downstream	p31.1	AG	0.7306	0.649	0.0006025
7	rs6966699	97314777	ASNS	4599 base upstream	q21.3	CT	0.8674	0.579	0.0002297
1	rs12732265	75170858	C1orf171	166962 base downstream	p31.1	CT	0.2694	1.541	0.0006031
1	rs6671621	219584095	DUSP10	357293 base upstream	q41	CG	0.3607	1.524	0.0004795
11	rs12364403	106336866	GUCY1A2	intron 5	q22.3	CT	0.2479	0.581	0.0007451
5	rs6883970	105632419	EFNA5	1111830 base upstream	q21.3	CT	0.807	0.598	0.000191
1	rs6693646	75238998	LHX8	127708 base upstream	p31.1	GT	0.2769	1.554	0.000425
8	rs11250082	10741204	PINX1	6495 base downstream	p23.1	CT	0.7971	1.872	0.0002038
10	rs12355094	122688268	BRWD2	29243 base downstream	q26.12	CT	0.9804	0.298	0.0001406
3	rs1913494	113072652	PHLDB2	12847 base upstream	q13.2	AG	0.6711	0.661	0.0009518
6	rs182382	90704480	BACH2	intron 1	q15	CG	0.6805	1.597	0.0004528
16	rs4787486	29885063	LOC124446	intron 3	p11.2	AT	0.5458	0.654	0.0003442
3	rs17040733	15109324	ZFYVE20	intron 10	p24.3	CG	0.9566	0.422	0.000111
1	rs12136757	95769656	RWDD3	284287 base downstream	p21.3	CT	0.0868	1.882	0.0004422
16	rs6565173	29881668	LOC124446	intron 1	p11.2	AG	0.4542	1.528	0.0003471
7	rs498474	152436044	ACTR3B	252648 base downstream	q36.2	AG	0.3144	0.593	0.0002324
4	rs6533852	116461695	NDST4	207214 base downstream	q26	GT	0.6103	0.636	8.88E-05
16	rs11901	29891571	LOC124446	intron 5	p11.2	CG	0.5459	0.654	0.0003407
20	rs17370440	19711787	SLC24A3	60247 base downstream	p11.23	AT	0.1058	1.885	0.0001313
7	rs496724	152435872	ACTR3B	252476 base downstream	q36.2	AG	0.6855	1.687	0.0002325
11	rs1714337	15203462	INSC	intron 8	p15.2	AG	0.5972	0.669	0.0005645
8	rs2701445	73171999	TRPA1	21626 base downstream	q13.3	GT	0.1919	1.615	0.0003191
5	rs2116732	159147091	ADRA1B	129226 base upstream	q33.3	AG	0.0135	3.438	0.0008476
13	rs9519488	104284523	DAOA	631841 base upstream	q33.2	AT	0.5838	0.643	0.0002599
6	rs292250	90703875	BACH2	intron 1	q15	AG	0.6805	1.597	0.0004534
3	rs1565960	41542696	ULK4	intron 5	p22.1	AG	0.0608	1.977	0.0007479
6	rs9357865	55494436	HMGCLL1	intron 6	p12.1	AG	0.8803	0.55	0.0007631
13	rs9560417	89159717	GPC5	1689170 base upstream	q31.3	AG	0.9732	0.366	0.0002361
3	rs931461	56421736	CAST1	intron 15	p14.3	GT	0.3602	1.49	0.0009195
7	rs594243	152436388	ACTR3B	252992 base downstream	q36.2	CT	0.6866	1.686	0.0002337
7	rs593874	152436337	ACTR3B	252941 base downstream	q36.2	AG	0.6865	1.686	0.0002334
3	rs13318013	15120491	ZFYVE20	4832 base downstream	p24.3	AG	0.0453	2.298	0.0001806
6	rs2046092	136500931	PDE7B	intron 3	q23.3	AG	0.6049	0.635	0.000171
1	rs2346344	75219251	LHX8	147455 base upstream	p31.1	GT	0.7231	0.643	0.0004275

13	rs1409470	104284951	DAOA	631413 base upstream	q33.2	AG	0.5837	0.643	0.0002629
7	rs593793	152436277	ACTR3B	252881 base downstream	q36.2	AG	0.3135	0.593	0.000234
3	rs1795312	41535386	ULK4	intron 5	p22.1	AT	0.0609	1.977	0.0007529
1	rs2789706	74186512	LRRC44	77777 base upstream	p31.1	CT	0.5268	0.63	9.38E-05
1	rs12565220	61295468	NFIA	25414 base upstream	p31.3	CT	0.8928	0.555	0.0009018
3	rs13326820	15097982	ZFYVE20	intron 5	p24.3	AG	0.9556	0.43	0.000147
11	rs3925045	131494847	HNT	intron 2	q25	CG	0.8249	1.911	0.000433
6	rs9374564	116121301	FRK	248085 base upstream	q22.1	CT	0.7799	0.643	0.000738
9	rs10738172	10624079	PTPRD	21570 base downstream	p23	AG	0.2416	1.558	0.0003849
6	rs292251	90702947	BACH2	intron 1	q15	AG	0.6805	1.598	0.0004617
1	rs1340424	74160464	LRRC44	103825 base upstream	p31.1	CG	0.4741	1.561	0.0001561
6	rs2046091	136500942	PDE7B	intron 3	q23.3	AG	0.6049	0.635	0.0001701
3	rs9867224	15125801	ZFYVE20	10142 base downstream	p24.3	AG	0.9546	0.438	0.0001965
1	rs10863605	219590026	DUSP10	351362 base upstream	q41	AG	0.3477	1.55	0.0004577
1	rs12402756	61296851	NFIA	24031 base upstream	p31.3	CT	0.1072	1.802	0.000903
19	rs12611033	61166048	NALP8	intron 4	q13.42	AG	0.1607	0.468	0.0001767
4	rs6821637	116484342	NDST4	229861 base downstream	q26	GT	0.3897	1.573	8.91E-05
4	rs4464590	116435600	NDST4	181119 base downstream	q26	CT	0.3898	1.572	9.16E-05
9	rs7851410	133647911	RAPGEF1	45165 base downstream	q34.13	CT	0.2951	1.634	0.0001621
1	rs10922574	89361971	GBP2	intron 10	p22.2	CT	0.1825	0.544	0.0006533
1	rs12141480	95771471	RWDD3	286102 base downstream	p21.3	CG	0.0867	1.884	0.000442
18	rs11874148	37292163	PIK3C3	497033 base upstream	q12.3	CT	0.6192	0.639	0.0003716
3	rs1629284	41561312	ULK4	intron 5	p22.1	CG	0.0597	2.01	0.0004893
9	rs7855045	123781479	TTL11	9533 base upstream	q33.2	AG	0.5336	1.498	0.0005978
20	rs17298185	19708160	SLC24A3	56620 base downstream	p11.23	AG	0.104	1.871	0.0001736
6	rs4896201	136514132	PDE7B	intron 6	q23.3	AG	0.4138	1.574	0.0001287
3	rs13071948	18167244	SATB1	197194 base upstream	p24.3	AG	0.8547	0.584	0.0008792
1	rs7522882	75215582	LHX8	151124 base upstream	p31.1	AT	0.7231	0.643	0.0004163
9	rs7870258	2671397	VLDLR	26912 base downstream	p24.2	GT	0.0992	1.915	0.0001168
3	rs1631168	41534618	ULK4	intron 5	p22.1	AC	0.0609	1.977	0.0007552
8	rs2087688	127013476	TRIB1	493652 base downstream	q24.13	AG	0.3789	1.564	0.0001628
5	rs10066864	105465931	EFNA5	1278318 base upstream	q21.3	CT	0.8674	0.598	0.0009395
4	rs6821554	74411672	ANKRD17	68306 base downstream	q13.3	AG	0.0241	2.816	0.0004364
11	rs10890590	106171269	GUCY1A2	intron 3	q22.3	AG	0.2503	0.573	0.0004604
8	rs7819223	127015428	TRIB1	495604 base downstream	q24.13	CT	0.621	0.639	0.0001644
7	rs10486848	84575619	SEMA3D	intron 16	q21.11	AG	0.1861	1.716	0.0002007
7	rs17131831	97313206	ASNS	6170 base upstream	q21.3	AG	0.8673	0.579	0.00023

4	rs6841435	154494114	MND1	intron 2	q31.3	CT	0.5646	0.621	0.0001165
8	rs7005531	10719627	PINX1	intron 2	p23.1	AG	0.2394	0.602	0.0009611
1	rs511201	199815919	NAV1	68153 base upstream	q32.1	AG	0.7466	0.641	0.0004701
9	rs11243525	133646531	RAPGEF1	43785 base downstream	q34.13	AT	0.7043	0.611	0.0001657
9	rs10793897	133647188	RAPGEF1	44442 base downstream	q34.13	CT	0.7044	0.612	0.0001653
8	rs4568586	127018859	TRIB1	499035 base downstream	q24.13	AT	0.6207	0.639	0.0001723
8	rs1491474	127011528	TRIB1	491704 base downstream	q24.13	AC	0.6211	0.635	0.0001353
1	rs11162286	75199985	LHX8	166721 base upstream	p31.1	AG	0.2768	1.56	0.0003942
4	rs10516610	116460667	NDST4	206186 base downstream	q26	CT	0.6103	0.636	8.88E-05
18	rs4318293	37293712	PIK3C3	495484 base upstream	q12.3	AC	0.3801	1.561	0.0003686
1	rs6690986	219579859	DUSP10	361529 base upstream	q41	CT	0.6393	0.657	0.0004847
8	rs2271356	10721186	PINX1	intron 3	p23.1	AT	0.2396	0.599	0.0008677
6	rs9498719	102373779	GRIK2	intron 9	q16.3	CT	0.9239	0.526	0.0005822
15	rs12592703	52099177	UNC13C	intron 1	q21.3	CT	0.7878	0.616	0.0004098
1	rs4313406	219578338	DUSP10	363050 base upstream	q41	CT	0.6393	0.657	0.000486
8	rs2409651	10717307	PINX1	intron 2	p23.1	CT	0.7606	1.66	0.0009692
7	rs6465629	97308426	ASNS	10950 base upstream	q21.3	CT	0.8674	0.58	0.0002354
11	rs1792556	15201097	INSC	intron 8	p15.2	GT	0.4031	1.495	0.0005485
8	rs9693235	4109411	CSMD1	intron 67	p23.2	AG	0.0657	2.105	0.000209
9	rs4741044	10629445	PTPRD	26936 base downstream	p23	AG	0.862	0.555	7.89E-05
7	rs17561700	84580693	SEMA3D	intron 16	q21.11	GT	0.1865	1.701	0.0002313
7	rs13223125	97309563	ASNS	9813 base upstream	q21.3	AT	0.8673	0.579	0.0002327
12	rs1160327	97086002	TMPO	347537 base upstream	q23.1	AG	0.3762	0.647	0.0009877
4	rs7434366	116535799	NDST4	281318 base downstream	q26	AT	0.3655	1.585	9.89E-05
1	rs3845358	75222180	LHX8	144526 base upstream	p31.1	AC	0.2769	1.554	0.0004274
1	rs10797093	159370069	DEDD	967 base downstream	q23.3	GT	0.3052	1.533	0.000322
11	rs12223742	131489477	HNT	intron 2	q25	CT	0.1751	0.528	0.0004527
1	rs678378	95781532	RWDD3	296163 base downstream	p21.3	AG	0.0867	1.893	0.0004592
6	rs12333317	102368610	GRIK2	intron 8	q16.3	AG	0.0815	1.893	0.0006349
13	rs1853979	104285669	DAOA	630695 base upstream	q33.2	AG	0.4174	1.56	0.0002964
1	rs3912426	75235049	LHX8	131657 base upstream	p31.1	AG	0.2769	1.554	0.0004259
5	rs13361333	105649426	EFNA5	1094823 base upstream	q21.3	CT	0.1621	1.78	9.53E-05
20	rs6136836	19725525	SLC24A3	73985 base downstream	p11.23	CT	0.1054	1.88	0.00014
11	rs1532353	44191829	EXT2	intron 12	p11.2	CT	0.3592	1.499	0.0005922
20	rs6136840	19740762	RIN2	77447 base upstream	p11.23	CG	0.9038	0.539	0.0001796
8	rs2409667	10767033	XKR6	24033 base upstream	p23.1	AG	0.8264	2.016	0.0001663
5	rs11949195	25900953	CDH9	1015512 base upstream	p14.1	AT	0.6164	0.608	0.0001894

20	rs6035436	19705555	SLC24A3	54015 base downstream	p11.23	CG	0.896	0.534	0.0001728
13	rs9575613	84081505	SLITRK1	726976 base downstream	q31.1	AC	0.8934	0.582	0.0007448
8	rs2052963	10713033	PINX1	intron 1	p23.1	GT	0.7611	1.655	0.0009989
11	rs4755234	44189011	EXT2	intron 12	p11.2	CT	0.641	0.667	0.0005962
8	rs7824384	10720735	PINX1	intron 2	p23.1	AC	0.7606	1.662	0.0009412
3	rs1282932	113072462	PHLDB2	13037 base upstream	q13.2	AC	0.6711	0.661	0.0009503
3	rs9839660	15005549	NR2C2	intron 1	p24.3	AT	0.0441	2.274	0.0002384
14	rs10498375	42258065	LRFN5	814567 base downstream	q21.2	AC	0.9266	0.492	0.0002622
15	rs12593288	31695395	RYR3	intron 19	q14	CT	0.79	1.793	0.0004028
8	rs7840785	10720537	PINX1	intron 2	p23.1	CT	0.7173	1.611	0.0008928
16	rs3814884	29902237	TAOK2	intron 12	p11.2	AT	0.4532	1.53	0.0004323
1	rs6704485	219574484	DUSP10	366904 base upstream	q41	CG	0.3607	1.521	0.0004937
1	rs1355136	95792027	RWDD3	306658 base downstream	p21.3	CT	0.9105	0.52	0.0005074
4	rs7340984	154496631	MND1	intron 3	q31.3	CG	0.5589	0.629	0.000127
3	rs17040729	15104541	ZFYVE20	intron 9	p24.3	GT	0.0446	2.335	0.0001339
13	rs276420	39470070	COG6	245438 base downstream	q13.3	GT	0.5443	0.666	0.0004339
5	rs1366465	25905847	CDH9	1010618 base upstream	p14.1	CT	0.3835	1.636	0.000192
8	rs10109550	10722996	PINX1	intron 3	p23.1	GT	0.7603	1.671	0.0008476
1	rs10890101	74218172	LRRC44	46117 base upstream	p31.1	CT	0.5113	0.628	0.0001671
5	rs10056331	105416189	EFNA5	1328060 base upstream	q21.3	CT	0.2986	1.556	0.0003101
12	rs2364153	51736002	TENC1	intron 10	q13.13	CT	0.6292	0.661	0.0004579
5	rs11949113	25900515	CDH9	1015950 base upstream	p14.1	GT	0.3836	1.645	0.0001893
5	rs12658597	25906087	CDH9	1010378 base upstream	p14.1	CT	0.6165	0.612	0.0001929
8	rs16938030	73185849	TRPA1	35476 base downstream	q13.3	CT	0.1978	1.584	0.000587
13	rs9575621	84102404	SLITRK1	747875 base downstream	q31.1	AC	0.1077	1.71	0.0008114
1	rs6704281	219574269	DUSP10	367119 base upstream	q41	CT	0.3607	1.521	0.0004939
15	rs1897042	52090751	UNC13C	1641 base upstream	q21.3	AT	0.3478	1.563	0.0007924
6	rs210052	90708506	BACH2	intron 2	q15	CT	0.32	0.627	0.0004435
20	rs2866743	39604287	CHD6	intron 35	q12	AG	0.9827	0.331	0.00076
8	rs6989846	10723495	PINX1	intron 3	p23.1	CT	0.7603	1.673	0.0008297
18	rs8089910	44764374	SMAD7	33295 base downstream	q21.1	CG	0.3675	1.53	0.000268
7	rs12670740	26560257	SCAP2	112957 base upstream	p15.2	CT	0.7872	0.625	0.000338
1	rs1267131	199813717	NAV1	70355 base upstream	q32.1	AC	0.7462	0.639	0.0005089
20	rs6136842	19742718	RIN2	75491 base upstream	p11.23	CG	0.9033	0.542	0.0002028
5	rs6878200	105608827	EFNA5	1135422 base upstream	q21.3	CT	0.7987	0.609	0.0002889
1	rs1509178	95774113	RWDD3	288744 base downstream	p21.3	CT	0.0867	1.886	0.0004425
3	rs13060927	18165497	SATB1	198941 base upstream	p24.3	AG	0.1402	1.717	0.0008271

1	rs2893089	89403309	GBP7	intron 9	p22.2	GT	0.8183	1.834	0.0006539
4	rs11098294	116455651	NDST4	201170 base downstream	q26	CG	0.6071	0.646	0.0001498
4	rs1979975	116455401	NDST4	200920 base downstream	q26	AG	0.6071	0.646	0.0001498
5	rs347670	62562511	LOC389293	453585 base downstream	q12.1	CT	0.1346	0.458	0.0006321
20	rs16981125	19724391	SLC24A3	72851 base downstream	p11.23	AG	0.8945	0.531	0.0001377
7	rs4726247	152452942	ACTR3B	269546 base downstream	q36.2	AG	0.3295	0.622	0.0003716
4	rs6851203	116459223	NDST4	204742 base downstream	q26	AG	0.6071	0.646	0.0001499
4	rs9999729	92459054	TMSL3	479762 base downstream	q22.1	CG	0.2785	0.559	0.0001131
7	rs17344459	97304570	ASNS	14806 base upstream	q21.3	CT	0.8693	0.578	0.000226
13	rs276407	39479629	COG6	254997 base downstream	q13.3	AG	0.5446	0.667	0.0004401
3	rs9839836	15118432	ZFYVE20	2773 base downstream	p24.3	GT	0.0453	2.302	0.0001773
13	rs1446792	84089937	SLITRK1	735408 base downstream	q31.1	AG	0.107	1.715	0.0007738
4	rs9999885	92459103	TMSL3	479811 base downstream	q22.1	AG	0.7213	1.787	0.0001133
5	rs13154706	153749486	GALNT10	intron 7	q33.2	CT	0.2926	0.573	0.0002054
7	rs2732741	84685921	SEMA3D	96738 base downstream	q21.11	AT	0.2099	1.612	0.0006101
4	rs17842205	89068576	SPP1	47249 base upstream	q22.1	AC	0.0905	1.977	0.0001683
11	rs7950006	80981836	MGC33846	1138862 base upstream	q14.1	AG	0.5508	0.646	0.0001862
7	rs760228	152433675	ACTR3B	250279 base downstream	q36.2	CT	0.6269	1.658	0.0002098
4	rs1396064	116442250	NDST4	187769 base downstream	q26	GT	0.3929	1.547	0.000153
4	rs7653977	92459301	TMSL3	480009 base downstream	q22.1	AT	0.2787	0.56	0.0001131
11	rs7933268	80981521	MGC33846	1139177 base upstream	q14.1	GT	0.5508	0.646	0.0001861
13	rs9514325	104287517	DAOA	628847 base upstream	q33.2	AG	0.4185	1.564	0.0003311
21	rs17000817	25543181	MRPL39	336659 base upstream	q21.2	CT	0.0273	2.595	0.0009774
6	rs1150711	28316514	ZNF307	3954 base upstream	p22.1	CT	0.31	0.615	0.000479
4	rs7698264	116450640	NDST4	196159 base downstream	q26	CT	0.6071	0.646	0.0001507
20	rs17370886	19731315	SLC24A3	79775 base downstream	p11.23	GT	0.8948	0.536	0.0001668
4	rs6533848	116448276	NDST4	193795 base downstream	q26	GT	0.6071	0.646	0.0001516
12	rs10860299	97075690	TMPO	357849 base upstream	q23.1	AG	0.3721	0.632	0.0008461
7	rs12704945	97286690	ASNS	32686 base upstream	q21.3	AT	0.1303	1.745	0.0001951
19	rs11084419	61182755	NALP8	intron 9	q13.42	CT	0.8417	2.127	0.0001506
1	rs1327098	75134581	C1orf171	130685 base downstream	p31.1	AG	0.2541	1.543	0.0007072
5	rs6870010	153745624	GALNT10	intron 6	q33.2	CT	0.2761	0.573	0.0001233
13	rs276402	39483845	COG6	259213 base downstream	q13.3	AC	0.5445	0.668	0.0004482
7	rs7808642	97288397	ASNS	30979 base upstream	q21.3	GT	0.8697	0.573	0.0001962
1	rs11590181	95591184	RWDD3	105815 base downstream	p21.3	GT	0.1303	1.721	0.0003174
15	rs7174086	89915807	SV2B	276155 base downstream	q26.1	CG	0.3398	0.645	0.000765
8	rs7460673	21342868	GFRA2	250943 base upstream	p21.3	CT	0.7848	0.604	0.0001388

4	rs6533850	116454363	NDST4	199882 base downstream	q26	AT	0.6071	0.646	0.0001497
1	rs4656002	88287316	PKN2	635193 base upstream	p22.2	CT	0.6308	1.61	0.000194
1	rs10923015	88287567	PKN2	634942 base upstream	p22.2	AT	0.3692	0.621	0.0001925
1	rs12750340	75241712	LHX8	124994 base upstream	p31.1	CT	0.7243	0.645	0.0005205
3	rs2306855	15094808	ZFYVE20	intron 4	p24.3	CT	0.0432	2.319	0.0001695
1	rs4656003	88288082	PKN2	634427 base upstream	p22.2	CT	0.6308	1.611	0.0001917
1	rs7511679	160514028	NOS1AP	intron 2	q23.3	CT	0.9068	2.706	0.0004909
1	rs11800645	160514702	NOS1AP	intron 2	q23.3	GT	0.0933	0.37	0.0004887
7	rs2078467	97297238	ASNS	22138 base upstream	q21.3	CT	0.1304	1.744	0.0001971
1	rs4656001	88287018	PKN2	635491 base upstream	p22.2	AG	0.6309	1.609	0.0001996
2	rs11899039	6432676	LOC129607	473227 base upstream	p25.2	AT	0.0874	1.845	0.0008742
7	rs7786920	97274004	ASNS	45372 base upstream	q21.3	CG	0.8706	0.57	0.000195
7	rs521309	152436269	ACTR3B	252873 base downstream	q36.2	AG	0.3022	0.596	0.0004058
7	rs12668997	97303824	ASNS	15552 base upstream	q21.3	CT	0.8693	0.578	0.0002275
7	rs12669324	97270302	ASNS	49074 base upstream	q21.3	CT	0.1292	1.756	0.0002006
20	rs16981142	19738531	RIN2	79678 base upstream	p11.23	CG	0.0952	1.847	0.0002017
1	rs7528328	160514403	NOS1AP	intron 2	q23.3	CT	0.1664	0.519	0.0004705
11	rs17125182	120728846	SC5DL	39517 base downstream	q24.1	AG	0.9687	0.401	0.0003826
16	rs11150580	29922065	FLJ90652	intron 6	p11.2	CT	0.5485	0.648	0.0003327
7	rs2018083	152437650	ACTR3B	254254 base downstream	q36.2	AG	0.6697	1.608	0.0003726
13	rs276422	39465395	COG6	240763 base downstream	q13.3	GT	0.5487	0.669	0.0006076
18	rs12962825	44767911	SMAD7	36832 base downstream	q21.1	AG	0.6214	0.647	0.0002752
1	rs625436	199828298	NAV1	55774 base upstream	q32.1	AG	0.935	0.486	0.0003145
4	rs6532289	92459825	TMSL3	480533 base downstream	q22.1	CT	0.2788	0.56	0.0001132
3	rs746665	15093737	ZFYVE20	intron 3	p24.3	AT	0.9567	0.431	0.000168
6	rs17456339	104872515	HACE1	410145 base upstream	q21	CT	0.8265	0.612	0.0004882
9	rs7030993	10616033	PTPRD	13524 base downstream	p23	AG	0.1402	1.731	0.0002219
5	rs11957357	159163705	ADRA1B	112612 base upstream	q33.3	AC	0.9866	0.279	0.0006328
11	rs16931216	15188429	INSC	intron 7	p15.2	AG	0.9629	0.412	0.000789
4	rs12642075	135192004	PABPC4L	144934 base upstream	q28.3	AG	0.2387	0.6	0.0008446
3	rs2306854	15094724	ZFYVE20	intron 4	p24.3	AC	0.9568	0.431	0.0001695
3	rs9851219	15090727	ZFYVE20	EXON 1	p24.3	CT	0.0434	2.319	0.000168
1	rs4655998	88286774	PKN2	635735 base upstream	p22.2	AC	0.631	1.607	0.0002115
1	rs4656000	88286988	PKN2	635521 base upstream	p22.2	AG	0.3691	0.622	0.0002048
20	rs17709518	3499637	ATRNL	intron 11	p13	AG	0.9495	0.484	0.0009304
9	rs10733210	10614494	PTPRD	11985 base downstream	p23	AC	0.2403	1.546	0.000504
7	rs459	97269283	ASNS	50093 base upstream	q21.3	CT	0.871	0.569	0.0002071

1	rs7525777	160514063	NOS1AP	intron 2	q23.3	CT	0.1664	0.519	0.0004711
4	rs1565911	135194503	PABPC4L	142435 base upstream	q28.3	GT	0.7614	1.67	0.0008131
8	rs17607798	21341257	GFRA2	252554 base upstream	p21.3	AC	0.7718	0.606	0.0001017
1	rs973886	48893107	AGBL4	intron 4	p33	GT	0.0569	2.144	0.0002568
5	rs1432711	159164640	ADRA1B	111677 base upstream	q33.3	CT	0.9867	0.279	0.0006454
8	rs2587580	73173101	TRPA1	22728 base downstream	q13.3	CG	0.7944	0.642	0.0008995
9	rs2146089	10614748	PTPRD	12239 base downstream	p23	AG	0.8597	0.578	0.0002225
20	rs17782347	3504956	ATRN	intron 13	p13	CT	0.0511	2.054	0.0009435
3	rs9844449	151314149	PFN2	142718 base downstream	q25.1	CT	0.8236	1.84	0.0009512
20	rs17782370	3508191	ATRN	intron 15	p13	CT	0.9488	0.488	0.0009526
8	rs2587579	73172373	TRPA1	22000 base downstream	q13.3	CT	0.2055	1.556	0.0008991
8	rs1491476	127007226	TRIB1	487402 base downstream	q24.13	AG	0.6179	0.646	0.0002481
8	rs4738207	73191306	TRPA1	40933 base downstream	q13.3	AG	0.8028	0.633	0.0006747
8	rs734364	21342815	GFRA2	250996 base upstream	p21.3	CT	0.2282	1.651	0.0001002
9	rs11788193	2682393	KCNV2	25132 base upstream	p24.2	AT	0.0723	2.022	0.0004396
20	rs17298654	19730288	SLC24A3	78748 base downstream	p11.23	GT	0.1052	1.866	0.0001637
13	rs276429	39454859	COG6	230227 base downstream	q13.3	AG	0.5517	0.672	0.0007922
4	rs6532292	92462703	TMSL3	483411 base downstream	q22.1	CT	0.7197	1.756	0.0001165
5	rs6862385	159173066	ADRA1B	103251 base upstream	q33.3	AC	0.9868	0.277	0.000626
13	rs7338145	39443193	COG6	218561 base downstream	q13.3	AG	0.6478	0.639	0.0002386
1	rs7525955	160514456	NOS1AP	intron 2	q23.3	AG	0.8336	1.927	0.0004713
3	rs3773478	15088046	ZFYVE20	EXON 1	p24.3	CT	0.9565	0.432	0.0001739
5	rs6884390	159168575	ADRA1B	107742 base upstream	q33.3	CT	0.9868	0.28	0.0006739
1	rs617053	199814155	NAV1	69917 base upstream	q32.1	AG	0.2488	1.56	0.0006441
4	rs2421069	135195163	PABPC4L	141775 base upstream	q28.3	CT	0.761	1.672	0.0007692
6	rs17516082	104874894	HACE1	407766 base upstream	q21	AG	0.8268	0.612	0.0005067
7	rs760229	152440071	ACTR3B	256675 base downstream	q36.2	AG	0.33	0.622	0.0003739
8	rs2701439	73175604	TRPA1	25231 base downstream	q13.3	CG	0.7942	0.642	0.0008994
7	rs2286180	26562895	SCAP2	110319 base upstream	p15.2	CG	0.2123	1.578	0.0004889
1	rs7531138	97696087	DPYD	intron 10	p21.3	AT	0.4347	0.615	0.0001516
1	rs585041	199817630	NAV1	66442 base upstream	q32.1	AT	0.2491	1.567	0.0005677
11	rs10890608	106217194	GUCY1A2	intron 4	q22.3	AT	0.252	0.58	0.0004362
1	rs12566140	48859991	AGBL4	intron 2	p33	AG	0.0613	2.041	0.0007847
12	rs11833072	104624341	NUAK1	356913 base upstream	q23.3	CT	0.6987	0.635	0.0004645
6	rs7770469	136506453	PDE7B	intron 3	q23.3	AG	0.39	1.579	0.0002057
8	rs1394485	4107562	CSMD1	intron 67	p23.2	CT	0.9266	0.481	0.0002696
5	rs6883903	159168956	ADRA1B	107361 base upstream	q33.3	AG	0.0132	3.576	0.0006769

4	rs11727958	116463016	NDST4	208535 base downstream	q26	CT	0.3686	1.546	0.0001725
7	rs13245026	97262856	TAC1	55136 base downstream	q21.3	AG	0.8716	0.568	0.0002266
4	rs1919227	92462591	TMSL3	483299 base downstream	q22.1	GT	0.7197	1.757	0.0001159
13	rs2296991	98300600	DOCK9	intron 21	q32.3	CT	0.8463	0.59	0.0003028
18	rs11662228	69451956	FBXO15	439629 base upstream	q22.3	CT	0.561	1.532	0.000676
3	rs9830744	15090482	ZFYVE20	EXON 1	p24.3	CT	0.9554	0.439	0.0002219
4	rs6532293	92463052	TMSL3	483760 base downstream	q22.1	AG	0.7194	1.75	0.0001184
5	rs4527577	105504488	EFNA5	1239761 base upstream	q21.3	CT	0.1904	1.612	0.0004544
4	rs1534556	92478508	TMSL3	499216 base downstream	q22.1	AG	0.7194	1.748	0.0001312
4	rs882733	40505735	FLJ14001	EXON 11	p14	AG	0.1688	0.514	0.0003984
6	rs4945639	104878861	HACE1	403799 base upstream	q21	CT	0.8277	0.614	0.0005763
7	rs2732743	84683866	SEMA3D	94683 base downstream	q21.11	CT	0.2113	1.592	0.0007572
15	rs6496832	89910099	SV2B	270447 base downstream	q26.1	AG	0.66	1.548	0.0007989
1	rs519693	95796000	RWDD3	310631 base downstream	p21.3	CT	0.0865	1.918	0.000566
7	rs993059	97262360	TAC1	54640 base downstream	q21.3	CT	0.1282	1.761	0.0002327
13	rs2324845	41467528	KIAA0564	34307 base downstream	q14.11	CT	0.5428	1.534	0.0004405
9	rs10966629	24988099	TUSC1	678294 base upstream	p21.3	AG	0.3264	1.485	0.0007467
1	rs10923014	88285953	PKN2	636556 base upstream	p22.2	CT	0.631	1.605	0.000219
7	rs2311855	152454874	ACTR3B	271478 base downstream	q36.2	GT	0.3701	0.632	0.0003354
13	rs2031635	104286376	DAOA	629988 base upstream	q33.2	AG	0.4609	1.556	0.0007334
7	rs2058106	97259519	TAC1	51799 base downstream	q21.3	AT	0.1279	1.762	0.000244
1	rs6674328	48894788	AGBL4	intron 4	p33	CT	0.943	0.468	0.0002697
2	rs17454262	116082577	DPP10	intron 5	q14.1	CT	0.0861	2.028	0.0002852
1	rs12117077	88284959	PKN2	637550 base upstream	p22.2	CT	0.369	0.623	0.0002237
7	rs11764340	97260570	TAC1	52850 base downstream	q21.3	AC	0.8719	0.568	0.0002366
6	rs1353588	99799997	C6orf168	35261 base upstream	q16.2	AC	0.2139	1.57	0.0005752
7	rs2732742	84684755	SEMA3D	95572 base downstream	q21.11	AG	0.7886	0.628	0.0007557
15	rs4238566	31694920	RYR3	intron 19	q14	AC	0.2562	0.594	0.0004663
1	rs685982	199829227	NAV1	54845 base upstream	q32.1	AT	0.2501	1.585	0.0005151
1	rs677390	199818411	NAV1	65661 base upstream	q32.1	AG	0.7509	0.638	0.0005671
13	rs11619622	41468201	KIAA0564	34980 base downstream	q14.11	AG	0.5765	0.675	0.0009514
18	rs11876675	69453896	FBXO15	437689 base upstream	q22.3	AG	0.4384	0.654	0.0007313
8	rs4738208	73191692	TRPA1	41319 base downstream	q13.3	CT	0.1971	1.578	0.0006935
7	rs1525489	122420709	TAS2R16	1285 base upstream	q31.32	AG	0.9368	0.472	0.0006167
6	rs13197557	104880442	HACE1	402218 base upstream	q21	AG	0.8279	0.614	0.000584
7	rs2058105	97259532	TAC1	51812 base downstream	q21.3	AT	0.872	0.568	0.0002422
9	rs12347630	2663801	VLDLR	19316 base downstream	p24.2	AG	0.0759	2.014	0.0003564

16	rs17698989	74938492	CNTNAP4	intron 2	q23.1	AG	0.1959	1.598	0.0005257
3	rs9868848	15090876	ZFYVE20	EXON 1	p24.3	AG	0.9566	0.431	0.0001677
1	rs608356	199826786	NAV1	57286 base upstream	q32.1	AG	0.7504	0.634	0.0005397
3	rs9831248	41524937	ULK4	intron 5	p22.1	CG	0.0609	1.975	0.0007721
11	rs16931218	15191628	INSC	intron 7	p15.2	CT	0.0368	2.408	0.000846
8	rs17069790	4112508	CSMD1	intron 67	p23.2	AG	0.074	2.086	0.0003973
1	rs11589642	199367371	TMEM9	3152 base upstream	q32.1	AG	0.2321	1.654	0.0002816
4	rs6532291	92462653	TMSL3	483361 base downstream	q22.1	AG	0.7017	1.754	0.000138
3	rs1256396	41526055	ULK4	intron 5	p22.1	AT	0.0609	1.975	0.0007703
12	rs1962255	104624562	NUAK1	356692 base upstream	q23.3	AC	0.3035	1.534	0.0007173
7	rs2534851	84686087	SEMA3D	96904 base downstream	q21.11	GT	0.7882	0.627	0.0007483
6	rs1997660	28377642	PGBD1	EXON 7	p22.1	AG	0.687	1.594	0.0006861
8	rs17069778	4108928	CSMD1	intron 67	p23.2	AT	0.9266	0.484	0.0003111
8	rs4614034	73197756	TRPA1	47383 base downstream	q13.3	CT	0.8037	0.634	0.0007755
7	rs2732744	84680820	SEMA3D	91637 base downstream	q21.11	CT	0.2114	1.59	0.0007827
7	rs2732738	84686625	SEMA3D	97442 base downstream	q21.11	AG	0.7882	0.626	0.0007487
3	rs17424938	113068623	PHLDB2	16876 base upstream	q13.2	AG	0.8487	0.6	0.0009553
1	rs17113368	95558817	RWDD3	73448 base downstream	p21.3	CT	0.8844	0.545	0.0001781
6	rs12193060	99797170	C6orf168	38088 base upstream	q16.2	AG	0.7859	0.637	0.0005769
6	rs4711122	26866458	ZNF322A	98516 base downstream	p22.1	CT	0.7597	0.64	0.0006981
1	rs12143926	88276958	PKN2	645551 base upstream	p22.2	CT	0.3689	0.624	0.0002387
1	rs12145270	95798178	RWDD3	312809 base downstream	p21.3	AT	0.0863	1.919	0.0007732
20	rs16981148	19738602	RIN2	79607 base upstream	p11.23	AG	0.1009	1.816	0.0002815
8	rs4738209	73191724	TRPA1	41351 base downstream	q13.3	AC	0.1968	1.576	0.0007461
1	rs4912069	19518260	PQLC2	intron 2	p36.13	AG	0.2764	1.568	0.0003977
3	rs13085823	102219726	ABI3BP	24722 base downstream	q12.2	GT	0.674	0.658	0.0005352
4	rs17513709	40496876	FLJ14001	intron 10	p14	GT	0.1742	0.523	0.0005323
4	rs6446921	74412384	ANKRD17	69018 base downstream	q13.3	AG	0.0275	2.719	0.0003499
4	rs1565912	135194459	PABPC4L	142479 base upstream	q28.3	AG	0.2387	0.599	0.0008198
1	rs12566596	88279379	PKN2	643130 base upstream	p22.2	CG	0.3462	0.598	0.0002687
3	rs9834782	151306869	PFN2	135438 base downstream	q25.1	AC	0.1465	0.467	0.0005598
3	rs4258937	41519427	ULK4	intron 5	p22.1	AG	0.9391	0.507	0.0007877
7	rs2732737	84686884	SEMA3D	97701 base downstream	q21.11	AG	0.7879	0.625	0.0007427
20	rs2423853	14862709	C20orf133	intron 5	p12.1	AT	0.4246	0.642	0.0003372
1	rs2296883	89290783	GBP1	EXON 1	p22.2	AG	0.81	1.767	0.000907
7	rs2159579	84683482	SEMA3D	94299 base downstream	q21.11	GT	0.7719	0.622	0.0004107
5	rs6880807	26041000	CDH9	875465 base upstream	p14.1	GT	0.3673	1.519	0.0006875

7	rs10270627	69839751	AUTS2	intron 6	q11.22	GT	0.3977	1.482	0.000855
19	rs1560690	57270159	ZNF432	26274 base downstream	q13.33	AG	0.7269	0.659	0.0008467
8	rs4467976	73193049	TRPA1	42676 base downstream	q13.3	AG	0.1967	1.575	0.0007591
3	rs2017454	41530567	ULK4	intron 5	p22.1	AG	0.0609	1.976	0.0007665
1	rs10800760	199367062	TMEM9	3461 base upstream	q32.1	AG	0.2318	1.652	0.0002819
11	rs6254	13470839	PTH	intron 1	p15.2	CT	0.6624	0.663	0.0006841
7	rs4129516	49051370	ABCA13	393733 base downstream	p12.3	CT	0.2446	1.611	0.0003161
3	rs17040623	15003482	NR2C2	intron 1	p24.3	AG	0.9559	0.44	0.0002425
19	rs11669439	57264112	ZNF432	20227 base downstream	q13.33	CT	0.727	0.66	0.0008796
6	rs270678	104891512	HACE1	391148 base upstream	q21	CT	0.1705	1.645	0.0004536
4	rs10021844	135184692	PABPC4L	152246 base upstream	q28.3	AG	0.2388	0.604	0.0009659
2	rs10182455	38464515	ARL6IP2	6596 base downstream	p22.1	AG	0.3842	0.639	0.0002799
17	rs7213514	24561368	CRYBA1	36632 base upstream	q11.2	CT	0.4822	0.635	0.0001623
8	rs2701441	73174272	TRPA1	23899 base downstream	q13.3	AG	0.7943	0.642	0.0008991
6	rs7755721	26794868	ZNF322A	26926 base downstream	p22.1	CT	0.2377	1.561	0.0007264
1	rs2064378	19517442	PQLC2	intron 2	p36.13	AG	0.2752	1.577	0.0003698
16	rs4788196	29874935	LOC124446	5916 base upstream	p11.2	AG	0.5304	0.667	0.0008711
4	rs17441923	40498127	FLJ14001	intron 10	p14	CT	0.174	0.522	0.0005262
1	rs17113374	95561952	RWDD3	76583 base downstream	p21.3	CT	0.8845	0.545	0.0001778
19	rs8101936	57268291	ZNF432	24406 base downstream	q13.33	AT	0.2731	1.517	0.0008511
1	rs12025414	199367119	TMEM9	3404 base upstream	q32.1	AG	0.768	0.605	0.000282
1	rs6427667	160510650	NOS1AP	intron 2	q23.3	CG	0.1626	0.514	0.0004974
4	rs1840086	72354222	SLC4A4	intron 3	q13.3	AG	0.1519	1.74	0.0002381
4	rs4698460	13358506	FAM44A	120080 base downstream	p15.33	GT	0.2752	0.596	0.0007066
7	rs12671326	26566825	SCAP2	106389 base upstream	p15.2	CT	0.788	0.636	0.0005654
3	rs9825022	15059018	NR2C2	intron 14	p24.3	CT	0.955	0.445	0.0002893
4	rs1528581	92461122	TMSL3	481830 base downstream	q22.1	CT	0.724	1.758	0.0001407
9	rs1322294	10616389	PTPRD	13880 base downstream	p23	AG	0.1533	1.689	0.0003902
4	rs1565910	135194549	PABPC4L	142389 base upstream	q28.3	AG	0.7614	1.671	0.0007961
1	rs10489284	170633685	DNM3	intron 20	q24.3	AG	0.8353	1.914	0.0006193
7	rs607348	152443576	ACTR3B	260180 base downstream	q36.2	CT	0.659	1.608	0.0004294
6	rs12194369	99803170	C6orf168	32088 base upstream	q16.2	AG	0.7871	0.634	0.0005198
1	rs4471302	170633760	DNM3	intron 20	q24.3	CT	0.1647	0.522	0.0006129
1	rs2296882	89290761	GBP1	EXON 1	p22.2	AT	0.81	1.767	0.0009069
1	rs12125877	95798313	RWDD3	312944 base downstream	p21.3	CG	0.9137	0.521	0.0007908
8	rs12680834	140500127	KCNK9	193858 base upstream	q24.3	CT	0.7901	0.618	0.0006363
2	rs6726368	60183809	BCL11A	347996 base upstream	p16.1	CG	0.3314	1.527	0.0007336

5	rs6888211	159144339	ADRA1B	131978 base upstream	q33.3	CT	0.9864	0.289	0.0008395
20	rs2426960	58927301	CDH4	333652 base upstream	q13.33	AG	0.4292	1.473	0.0006826
3	rs9820676	15058788	NR2C2	intron 14	p24.3	CG	0.955	0.446	0.0002919
13	rs7333428	45873366	C13orf18	13730 base downstream	q14.12	CT	0.1098	1.773	0.0008033
4	rs6533889	116592228	NDST4	337747 base downstream	q26	GT	0.615	0.65	0.0003581
8	rs12541309	32664543	NRG1	intron 3	p12	AG	0.1544	0.514	0.0007458
4	rs3762827	92465367	TMSL3	486075 base downstream	q22.1	AG	0.7218	1.73	0.0001681
13	rs913560	98293824	DOCK9	intron 18	q32.3	AG	0.5535	0.661	0.0003178
13	rs9547416	85339936	SLITRK6	68452 base downstream	q31.1	AT	0.5941	0.679	0.0009097
11	rs10897779	80661868	MGC33846	1458830 base upstream	q14.1	GT	0.7653	1.661	0.0009906
11	rs1487892	106197626	GUCY1A2	intron 4	q22.3	AG	0.2518	0.587	0.0005487
16	rs3096190	24389161	RBBP6	69247 base upstream	p12.1	AC	0.3646	1.505	0.0009158
7	rs7341466	17140404	AHR	164427 base upstream	p21.1	GT	0.9345	0.501	0.0009508
7	rs7777347	69842984	AUTS2	intron 6	q11.22	AG	0.6028	0.67	0.0006992
4	rs1528578	92466196	TMSL3	486904 base downstream	q22.1	CG	0.7218	1.729	0.0001696
5	rs16879856	51859304	PELO	260226 base upstream	q11.2	CT	0.9712	0.409	0.0009519
1	rs12408132	89290506	GBP1	68 base upstream	p22.2	CT	0.1976	0.562	0.0008712
6	rs853683	28403018	ZNF323	intron 1	p22.1	AG	0.6866	1.587	0.0007608
10	rs17400327	6924140	PRKCQ	261896 base downstream	p14	CT	0.9671	0.378	0.0004228
7	rs4718991	69844069	AUTS2	intron 6	q11.22	CG	0.579	0.667	0.000626
13	rs366300	39500866	COG6	276234 base downstream	q14.11	CT	0.441	1.499	0.0005714
6	rs707907	28399219	ZNF323	1274 base upstream	p22.1	AG	0.6866	1.588	0.0007423
6	rs17517558	104904271	HACE1	378389 base upstream	q21	AC	0.8299	0.608	0.0004441
8	rs1530402	73169428	TRPA1	19055 base downstream	q13.3	AG	0.2057	1.557	0.0009114
12	rs11176534	65691760	CAND1	257655 base upstream	q14.3	CT	0.8966	0.53	0.000236
6	rs156153	104904758	HACE1	377902 base upstream	q21	AG	0.83	0.608	0.0004437
6	rs155510	104912555	HACE1	370105 base upstream	q21	GT	0.1698	1.642	0.0004541
10	rs16937080	80764708	PPIF	12517 base upstream	q22.3	AT	0.2756	0.597	0.0004031
6	rs156151	104905700	HACE1	376960 base upstream	q21	CG	0.17	1.643	0.000446
3	rs10510434	14995353	NR2C2	intron 1	p24.3	AG	0.9558	0.442	0.0002568
14	rs7157782	94397359	GSC	91107 base downstream	q32.13	CT	0.9369	0.503	0.0008033
7	rs1107874	152455222	ACTR3B	271826 base downstream	q36.2	AT	0.3268	0.629	0.0005744
8	rs17069640	4075094	CSMD1	intron 67	p23.2	GT	0.0393	2.299	0.0005543
6	rs13211684	51283445	PKHD1	304658 base upstream	p12.2	CT	0.3792	0.649	0.0007549
7	rs7806434	69846869	AUTS2	intron 6	q11.22	AG	0.5791	0.666	0.0006104
3	rs12485454	151327125	PFN2	155694 base downstream	q25.1	CT	0.6711	1.564	0.0008133
12	rs11176545	65709564	CAND1	239851 base upstream	q14.3	AT	0.1292	1.759	0.000215

1	rs10754315	88301956	PKN2	620553 base upstream	p22.2	CT	0.3453	0.636	0.0005197
1	rs1048848	89290653	GBP1	EXON 1	p22.2	CG	0.1899	0.566	0.0009073
3	rs2643977	41516991	ULK4	intron 5	p22.1	CT	0.061	1.972	0.0007978
12	rs10747658	51731549	TENC1	intron 1	q13.13	AG	0.5859	0.656	0.0005021
1	rs7556329	48896205	AGBL4	intron 4	p33	CG	0.0572	2.119	0.000307
14	rs1030124	78060216	NRXN3	intron 1	q24.3	GT	0.6068	0.663	0.0004378
11	rs7949287	80994506	MGC33846	1126192 base upstream	q14.1	AG	0.5381	0.65	0.0002524
1	rs6675866	89290398	GBP1	176 base upstream	p22.2	CT	0.8101	1.769	0.0008996
7	rs1107875	152454977	ACTR3B	271581 base downstream	q36.2	AG	0.6711	1.586	0.0005768
14	rs4243660	78067940	NRXN3	intron 1	q24.3	CT	0.3933	1.509	0.0004358
1	rs967881	74116329	LRRC44	147960 base upstream	p31.1	AG	0.6685	0.649	0.0003346
12	rs11176539	65706599	CAND1	242816 base upstream	q14.3	CG	0.1293	1.76	0.0002156
8	rs2701449	73170538	TRPA1	20165 base downstream	q13.3	CT	0.7945	0.643	0.0009055
14	rs1030123	78060082	NRXN3	intron 1	q24.3	AG	0.3932	1.508	0.0004372
12	rs11176540	65708448	CAND1	240967 base upstream	q14.3	GT	0.1293	1.76	0.0002156
7	rs10258925	49031338	ABCA13	373701 base downstream	p12.3	AG	0.2394	1.571	0.0005533
16	rs2560922	24384824	RBBP6	73584 base upstream	p12.1	GT	0.6387	0.661	0.0009667
13	rs366815	85345072	SLITRK6	73588 base downstream	q31.1	AG	0.5938	0.68	0.0009938
12	rs6581729	65706048	CAND1	243367 base upstream	q14.3	AG	0.1293	1.761	0.000216
14	rs2193670	78085602	NRXN3	intron 1	q24.3	AG	0.3931	1.513	0.0004287
12	rs17103210	65705663	CAND1	243752 base upstream	q14.3	AT	0.1293	1.761	0.0002154
1	rs6672527	74111118	LRRC44	153171 base upstream	p31.1	CT	0.6671	0.644	0.0003262
4	rs1406316	92472949	TMSL3	493657 base downstream	q22.1	CT	0.2776	0.581	0.000188
1	rs11210363	74122434	LRRC44	141855 base upstream	p31.1	AG	0.3312	1.546	0.0003158
12	rs7955793	65718923	CAND1	230492 base upstream	q14.3	AG	0.1289	1.754	0.0002084
1	rs17579506	74117298	LRRC44	146991 base upstream	p31.1	CT	0.3313	1.541	0.0003273
2	rs4971622	49146315	FSHR	intron 8	p16.3	AT	0.9559	0.448	0.0008832
11	rs547248	62420235	SLC3A2	7307 base downstream	q12.3	CT	0.286	1.504	0.000882
12	rs992738	65692893	CAND1	256522 base upstream	q14.3	CT	0.8966	0.53	0.0002312
14	rs7157079	94397102	GSC	90850 base downstream	q32.13	AG	0.9368	0.504	0.0007734
13	rs10851281	89217299	GPC5	1631588 base upstream	q31.3	AG	0.9681	0.375	0.0004084
1	rs17520168	74117107	LRRC44	147182 base upstream	p31.1	CT	0.3314	1.54	0.0003317
1	rs12727614	159363865	DEDD	intron 4	q23.3	AT	0.2896	1.493	0.0009697
1	rs12125905	95798397	RWDD3	313028 base downstream	p21.3	CG	0.9137	0.521	0.0008384
13	rs7984054	89221294	GPC5	1627593 base upstream	q31.3	AC	0.0316	2.684	0.0004401
3	rs1691983	41517346	ULK4	intron 5	p22.1	AG	0.9391	0.507	0.0007945
4	rs11944843	140857153	MAML3	EXON 1	q31.1	AG	0.1798	1.611	0.0009609

3	rs17315194	101331030	C3orf26	intron 1	q12.1	GT	0.1172	1.713	0.0008636
1	rs942703	199359602	TMEM9	10921 base upstream	q32.1	CT	0.7656	0.626	0.0002938
6	rs3757154	136476887	PDE7B	intron 3	q23.3	CG	0.6128	0.654	0.0004072
3	rs2643976	41516845	ULK4	intron 5	p22.1	AG	0.061	1.967	0.0008391
8	rs1443942	73171160	TRPA1	20787 base downstream	q13.3	AC	0.7945	0.643	0.0009024
1	rs11210361	74112532	LRRC44	151757 base upstream	p31.1	CT	0.3319	1.539	0.0003473
18	rs2051413	69425930	FBXO15	465655 base upstream	q22.3	AG	0.6272	1.538	0.0008833
12	rs12369132	65699454	CAND1	249961 base upstream	q14.3	AG	0.8701	0.566	0.0002335
11	rs1945649	80986103	MGC33846	1134595 base upstream	q14.1	CT	0.4619	1.54	0.0002489
1	rs6685886	205560841	CD55	598 base upstream	q32.2	AC	0.4243	1.486	0.0009032
12	rs905699	65704574	CAND1	244841 base upstream	q14.3	CT	0.8706	0.568	0.0002164
8	rs2701440	73175388	TRPA1	25015 base downstream	q13.3	CT	0.2058	1.557	0.0008995
8	rs2701450	73168913	TRPA1	18540 base downstream	q13.3	AT	0.7943	0.642	0.0009163
7	rs7341406	17138564	AHR	166267 base upstream	p21.1	CG	0.9328	0.522	0.0009745
13	rs7329978	89218832	GPC5	1630055 base upstream	q31.3	AG	0.9682	0.374	0.0004194
11	rs11608098	13516530	PTH	42387 base downstream	p15.2	CT	0.338	1.502	0.0007341
13	rs7333687	98288560	DOCK9	intron 18	q32.3	AG	0.555	0.666	0.0003827
13	rs4772149	98305163	DOCK9	intron 22	q32.3	CT	0.4235	1.509	0.0005135
13	rs6492451	89220997	GPC5	1627890 base upstream	q31.3	CT	0.0316	2.683	0.0004379
8	rs1838285	73171725	TRPA1	21352 base downstream	q13.3	CT	0.7945	0.643	0.0009028
12	rs7953084	65700060	CAND1	249355 base upstream	q14.3	AC	0.1299	1.766	0.0002332
14	rs7156858	94396959	GSC	90707 base downstream	q32.13	AC	0.9368	0.504	0.0007754
14	rs11629123	78053255	NRXN3	intron 1	q24.3	CT	0.607	0.662	0.0004194
12	rs11176528	65684056	CAND1	265359 base upstream	q14.3	CT	0.1035	1.878	0.0002652
4	rs6833290	92471115	TMSL3	491823 base downstream	q22.1	CT	0.7224	1.722	0.0001876
13	rs17591593	31563969	FRY	intron 2	q13.1	CG	0.3059	1.533	0.0008732
15	rs12324460	89929416	SLCO3A1	268533 base upstream	q26.1	CT	0.175	0.53	0.0008422
14	rs2098518	78087589	NRXN3	intron 1	q24.3	CG	0.607	0.661	0.000427
10	rs1013250	6933270	PRKCQ	271026 base downstream	p14	AG	0.0334	2.722	0.0006818
4	rs6532301	92491016	TMSL3	511724 base downstream	q22.1	AG	0.2764	0.589	0.0002868
11	rs10500784	13530401	PTH	56258 base downstream	p15.2	AC	0.6618	0.668	0.0007944
13	rs7321357	98302606	DOCK9	intron 21	q32.3	CT	0.8508	0.59	0.0004955
11	rs10890611	106227169	GUCY1A2	intron 4	q22.3	CT	0.2395	0.593	0.0008528
14	rs1777077	42258660	LRFN5	815162 base downstream	q21.2	CT	0.2364	1.628	0.0008463
7	rs11762613	49076176	ABCA13	418539 base downstream	p12.3	AC	0.2388	1.597	0.0004154
1	rs4656008	88297128	PKN2	625381 base upstream	p22.2	GT	0.6547	1.571	0.0005229
4	rs1390026	135193417	PABPC4L	143521 base upstream	q28.3	GT	0.2387	0.6	0.0008298

18	rs1943869	69430600	FBXO15	460985 base upstream	q22.3	CG	0.6271	1.535	0.0008859
5	rs17560965	125194811	GRAMD3	592188 base upstream	q23.2	AG	0.0405	2.373	0.0009369
16	rs11076229	56846460	HSPC065	intron 3	q21	AG	0.1484	0.513	0.0008281
11	rs11212007	106389222	GUCY1A2	intron 7	q22.3	AC	0.2363	0.57	0.0007701
10	rs11199656	122674538	BRWD2	15513 base downstream	q26.12	CT	0.0385	2.34	0.0006159
2	rs6760123	38456015	ARL6IP2	intron 12	p22.1	CT	0.6155	1.566	0.0002906
11	rs10792479	79787547	ODZ4	1586714 base downstream	q14.1	CT	0.2582	1.572	0.0006423
3	rs9835136	45011179	EXOSC7	intron 3	p21.31	AG	0.5314	1.486	0.0009251
18	rs4892117	69429890	FBXO15	461695 base upstream	q22.3	CT	0.3727	0.652	0.0009108
3	rs4894477	176307233	NAALADL2	intron 2	q26.31	AG	0.3748	1.524	0.0003366
13	rs9300518	98286664	DOCK9	intron 17	q32.3	CT	0.4437	1.502	0.0003835
2	rs3806551	38459723	ARL6IP2	1804 base downstream	p22.1	CG	0.3896	0.637	0.0002793
6	rs853693	28390627	ZNF323	9866 base upstream	p22.1	AG	0.3135	0.628	0.0007056
16	rs16959980	56847308	HSPC065	intron 3	q21	CT	0.1486	0.512	0.000807
7	rs2215361	48944124	ABCA13	286487 base downstream	p12.3	AG	0.7583	0.653	0.0009407
11	rs1903102	13531228	PTH	57085 base downstream	p15.2	AC	0.3382	1.498	0.0007936
11	rs2037194	83252000	DLG2	intron 12	q14.1	AG	0.9686	0.365	0.0004335
16	rs11647205	53289736	IRX5	232875 base upstream	q12.2	AG	0.3598	1.51	0.0005251
16	rs8044591	53292008	IRX5	230603 base upstream	q12.2	AC	0.3578	1.522	0.0005324
6	rs2465043	51288724	PKHD1	299379 base upstream	p12.2	AG	0.3535	1.521	0.0008637
3	rs11919885	41516460	ULK4	intron 5	p22.1	CT	0.9388	0.512	0.0009609
3	rs1440524	29735511	RBMS3	intron 4	p24.1	CT	0.3517	1.489	0.0005483
3	rs4683016	45005286	EXOSC7	intron 1	p21.31	AG	0.4684	0.673	0.0009401
4	rs1348188	29184029	PCDH7	1147105 base upstream	p15.1	CT	0.5955	0.661	0.0004234
6	rs2504586	26862629	ZNF322A	94687 base downstream	p22.1	CG	0.2269	1.569	0.00088
4	rs6854632	116559642	NDST4	305161 base downstream	q26	AG	0.6409	0.657	0.0003162
4	rs6849851	92645841	TMSL3	666549 base downstream	q22.1	AG	0.4016	1.547	0.0004122
4	rs6847471	116558804	NDST4	304323 base downstream	q26	AG	0.3591	1.522	0.0003149
6	rs1417665	104923637	HACE1	359023 base upstream	q21	CT	0.168	1.635	0.0005055
11	rs10890604	106210532	GUCY1A2	intron 4	q22.3	AG	0.2458	0.598	0.00089
13	rs2875552	43902494	TSC22D1	3166 base upstream	q14.11	CT	0.6021	1.542	0.0005232
16	rs12596498	56846678	HSPC065	intron 3	q21	CT	0.8515	1.952	0.0008168
1	rs17113360	95555047	RWDD3	69678 base downstream	p21.3	CT	0.1175	1.765	0.0003163
3	rs6441875	44998914	EXOSC7	intron 1	p21.31	CT	0.5317	1.485	0.000952
11	rs7941624	80658536	MGC33846	1462162 base upstream	q14.1	AG	0.7895	1.83	0.0007665
6	rs17459015	104924468	HACE1	358192 base upstream	q21	CT	0.1681	1.636	0.0005074
6	rs9374562	116111190	FRK	258196 base upstream	q22.1	CT	0.7303	0.648	0.0005912

4	rs4833478	116549189	NDST4	294708 base downstream	q26	AG	0.3591	1.523	0.0003117
1	rs12120668	75093605	C1orf171	89709 base downstream	p31.1	CG	0.4141	1.526	0.0008122
16	rs1974876	56842704	HSPC065	intron 1	q21	CT	0.8516	1.948	0.0008337
2	rs3806552	38458897	ARL6IP2	978 base downstream	p22.1	AC	0.6122	1.564	0.0003282
5	rs327807	98306052	CHD1	15914 base downstream	q21.1	AG	0.3301	1.513	0.0008027
4	rs12233647	116540808	NDST4	286327 base downstream	q26	AG	0.3591	1.523	0.0003117
4	rs7687193	116540440	NDST4	285959 base downstream	q26	AG	0.6409	0.657	0.0003117
20	rs2024676	58926954	CDH4	333999 base upstream	q13.33	AG	0.4294	1.472	0.0007014
11	rs1954864	106222728	GUCY1A2	intron 4	q22.3	GT	0.2465	0.592	0.0008942
4	rs6836582	116552171	NDST4	297690 base downstream	q26	AG	0.3585	1.522	0.0003177
4	rs11947264	116548085	NDST4	293604 base downstream	q26	CT	0.6409	0.657	0.0003117
3	rs12639280	41515056	ULK4	intron 5	p22.1	CT	0.0612	1.952	0.0009649
4	rs11933617	116542863	NDST4	288382 base downstream	q26	AG	0.3591	1.523	0.0003117
2	rs13022199	115870472	DPP10	intron 3	q14.1	AG	0.1239	1.698	0.0008936
16	rs11076230	56846486	HSPC065	intron 3	q21	GT	0.1484	0.513	0.0008243
11	rs2097171	81001119	MGC33846	1119579 base upstream	q14.1	CT	0.4608	1.523	0.0003378
4	rs7440324	116554439	NDST4	299958 base downstream	q26	AT	0.6409	0.657	0.0003117
1	rs7556311	48896154	AGBL4	intron 4	p33	AG	0.0572	2.12	0.0003055
5	rs10054300	51883415	PELO	236115 base upstream	q11.2	AG	0.0287	2.47	0.0008679
6	rs9342293	92328542	MAP3K7	974914 base downstream	q16.1	AT	0.7814	1.72	0.0006304
11	rs2448273	79783016	ODZ4	1582183 base downstream	q14.1	AC	0.2569	1.56	0.0007651
4	rs6814621	116548408	NDST4	293927 base downstream	q26	AC	0.6409	0.657	0.0003117
13	rs9595128	43934565	TSC22D1	intron 2	q14.11	AG	0.5991	1.534	0.0005893
1	rs7547762	199354868	CACNA1S	6551 base downstream	q32.1	AG	0.7664	0.628	0.0002989
4	rs6533870	116537368	NDST4	282887 base downstream	q26	AG	0.3591	1.523	0.0003119
2	rs17453131	115868314	DPP10	intron 3	q14.1	AG	0.8762	0.59	0.0009339
7	rs10238315	78880949	MAGI2	intron 21	q21.11	GT	0.7152	0.653	0.000411
3	rs4683017	45009415	EXOSC7	intron 3	p21.31	CT	0.4685	0.673	0.0009292
8	rs3817664	17545472	MTUS1	111 base upstream	p22	GT	0.3837	1.492	0.0008093
2	rs1863704	219270919	STK36	EXON 25	q35	AG	0.3753	0.629	0.0003006
1	rs12568661	88292306	PKN2	630203 base upstream	p22.2	AG	0.3455	0.64	0.000564
7	rs17561679	84577029	SEMA3D	intron 16	q21.11	CT	0.2279	1.587	0.0005514
7	rs1029563	84576431	SEMA3D	intron 16	q21.11	GT	0.2281	1.59	0.0005359
11	rs7125479	107990612	EXPH5	21042 base downstream	q22.3	AC	0.4647	0.669	0.0007634
13	rs4943722	39493988	COG6	269356 base downstream	q13.3	AG	0.3667	1.475	0.0008047
6	rs271880	104920459	HACE1	362201 base upstream	q21	AG	0.1699	1.644	0.0004812
7	rs7796330	49098405	ABCA13	440768 base downstream	p12.3	CT	0.7647	0.614	0.0005654

7	rs1029564	84577791	SEMA3D	intron 16	q21.11	GT	0.2284	1.587	0.0005549
5	rs7730948	51877283	PELO	242247 base upstream	q11.2	CT	0.0287	2.465	0.0008839
7	rs9655226	22565267	IL6	168075 base upstream	p15.3	CT	0.3705	0.656	0.0009557
19	rs17685204	33606816	UQCRFS1	783190 base upstream	q12	CT	0.0981	1.803	0.0005935
1	rs2145408	46634494	FAAH	intron 1	p33	AG	0.2472	1.544	0.0007961
21	rs2835491	37142992	HLCS	intron 5	q22.13	GT	0.0416	2.216	0.000961
11	rs7943773	83240882	DLG2	intron 12	q14.1	CT	0.0313	2.606	0.0004762
13	rs9595132	43946832	TSC22D1	intron 2	q14.11	AG	0.5985	1.536	0.0005852
6	rs156123	104918438	HACE1	364222 base upstream	q21	AG	0.8317	0.613	0.000538
8	rs10101487	60881049	CA8	382927 base upstream	q12.1	AG	0.3209	0.63	0.0007774
11	rs10832047	13480447	PTH	6304 base downstream	p15.2	AT	0.6443	0.666	0.0009094
4	rs1441670	29199244	PCDH7	1131890 base upstream	p15.1	AG	0.4048	1.509	0.0004467
8	rs2725673	5526530	CSMD1	686794 base downstream	p23.2	AG	0.7958	0.634	0.0007277
6	rs13219556	104917442	HACE1	365218 base upstream	q21	CT	0.8317	0.612	0.0005331
4	rs6847969	116558768	NDST4	304287 base downstream	q26	AG	0.6409	0.657	0.0003117
11	rs7944123	106221180	GUCY1A2	intron 4	q22.3	AG	0.7603	1.69	0.0008165
2	rs12232909	83399672	SUCLG1	1104492 base upstream	p12	AG	0.5972	0.663	0.0004329
6	rs17458588	104920190	HACE1	362470 base upstream	q21	CT	0.1681	1.631	0.0005445
14	rs2273154	34502938	SRP54	19043 base upstream	q13.2	CT	0.8082	1.819	0.0007798
7	rs2691810	12650865	SCIN	intron 13	p21.3	CT	0.1196	1.787	0.0003403
13	rs9549041	39501308	COG6	276676 base downstream	q14.11	CT	0.6399	0.681	0.0009546
3	rs11128731	15034334	NR2C2	intron 5	p24.3	CT	0.045	2.234	0.0003184
1	rs12562662	48877073	AGBL4	intron 3	p33	CT	0.0606	2.019	0.0007331
13	rs12583155	43922370	TSC22D1	intron 2	q14.11	CT	0.399	0.654	0.0006002
16	rs7206354	53288365	IRX5	234246 base upstream	q12.2	AC	0.6401	0.663	0.0005249
10	rs1246758	30254709	KIAA1462	88680 base upstream	p11.23	AC	0.2469	0.581	0.0005423
2	rs17362720	115970570	DPP10	intron 3	q14.1	AG	0.1116	1.777	0.0006202
21	rs17192962	37142961	HLCS	intron 5	q22.13	AG	0.9584	0.451	0.0009591
4	rs7436806	72354592	SLC4A4	intron 3	q13.3	AG	0.0947	1.966	0.0002319
5	rs13361153	118636074	TNFAIP8	intron 1	q23.1	AG	0.7445	1.774	0.0004075
4	rs4834470	116523298	NDST4	268817 base downstream	q26	CT	0.3589	1.515	0.0003703
21	rs8134687	37142296	HLCS	intron 5	q22.13	CT	0.0416	2.216	0.0009579
4	rs7663921	116518282	NDST4	263801 base downstream	q26	CT	0.6411	0.66	0.0003728
4	rs11935578	115536217	UGT8	226754 base upstream	q26	GT	0.6359	0.656	0.0003435
11	rs540225	125258570	HYLS1	148 base upstream	q24.2	CT	0.3129	1.537	0.0003892
7	rs2190179	78883432	MAGI2	intron 21	q21.11	AC	0.2854	1.528	0.0004328
20	rs6071442	58941909	CDH4	319044 base upstream	q13.33	CT	0.5707	0.683	0.0007853

14	rs1122840	78035507	NRXN3	intron 1	q24.3	AG	0.3924	1.496	0.0005471
3	rs1866774	29756855	RBMS3	intron 5	p24.1	AG	0.4941	1.466	0.0009942
6	rs9345152	92326845	MAP3K7	973217 base downstream	q16.1	AG	0.2186	0.582	0.0006474
7	rs4140898	26555282	SCAP2	117932 base upstream	p15.2	AG	0.2662	1.521	0.0009253
6	rs156126	104916776	HACE1	365884 base upstream	q21	CT	0.8289	0.608	0.0004893
11	rs17141854	80661677	MGC33846	1459021 base upstream	q14.1	AG	0.9576	0.432	0.0007204
11	rs2852205	107987483	EXPH5	17913 base downstream	q22.3	AG	0.5344	1.494	0.0007968
20	rs725475	58938883	CDH4	322070 base upstream	q13.33	CT	0.4294	1.465	0.0007874
11	rs7934388	107991327	EXPH5	21757 base downstream	q22.3	AT	0.5353	1.494	0.0007967
2	rs6712054	115974128	DPP10	intron 4	q14.1	CT	0.8884	0.563	0.0006224
13	rs9603665	39500347	COG6	275715 base downstream	q14.11	CT	0.6394	0.68	0.0009091
16	rs13338826	50054960	SALL1	312276 base downstream	q12.1	CG	0.8094	0.629	0.0006423
5	rs16879891	51871156	PELO	248374 base upstream	q11.2	GT	0.9713	0.408	0.0009222
2	rs12712583	38396077	ARL6IP2	intron 9	p22.2	CT	0.4012	0.645	0.0003296
7	rs2159575	84598360	SEMA3D	9177 base downstream	q21.11	CT	0.763	0.627	0.0005528
2	rs7604319	219247043	STK36	intron 4	q35	AC	0.6246	1.578	0.0003829
13	rs7997862	41469136	KIAA0564	35915 base downstream	q14.11	AG	0.5576	1.507	0.0007322
6	rs12195114	26816186	ZNF322A	48244 base downstream	p22.1	AG	0.758	0.643	0.0007752
6	rs9467847	26817570	ZNF322A	49628 base downstream	p22.1	CT	0.2421	1.554	0.0007769
4	rs2135965	116428916	NDST4	174435 base downstream	q26	AG	0.6807	0.653	0.0004115
3	rs6782183	176310661	NAALADL2	intron 2	q26.31	CT	0.601	0.676	0.0006005
2	rs2241527	219245468	STK36	intron 1	q35	AG	0.3754	0.635	0.0004098
11	rs11022897	13577497	MLSTD2	69349 base upstream	p15.2	CT	0.6575	0.659	0.0006406
2	rs2305245	38391130	ARL6IP2	intron 6	p22.2	AC	0.6012	1.551	0.0003417
13	rs4942331	43928799	TSC22D1	intron 2	q14.11	CT	0.6007	1.53	0.0005964
17	rs12953287	9717196	GLP2R	intron 10	p13.1	CT	0.8463	0.601	0.0008705
2	rs1022076	38397553	ARL6IP2	intron 9	p22.2	CT	0.5988	1.551	0.000329
1	rs7516699	48870913	AGBL4	intron 2	p33	AG	0.9185	0.543	0.0009731
9	rs1826415	104678314	CYLC2	119169 base upstream	q31.1	CT	0.7689	0.637	0.0009647
6	rs12202849	26812951	ZNF322A	45009 base downstream	p22.1	AG	0.242	1.554	0.000774
2	rs6745924	83404583	SUCLG1	1099581 base upstream	p12	CG	0.4029	1.51	0.000431
14	rs1990531	78016834	NRXN3	intron 1	q24.3	AG	0.3828	1.521	0.0004084
8	rs10100498	5510132	CSMD1	670396 base downstream	p23.2	AC	0.7512	0.642	0.0005539
4	rs6820042	127239590	FAT4	606053 base downstream	q28.1	AG	0.1393	1.678	0.0005336
11	rs7946763	81005829	MGC33846	1114869 base upstream	q14.1	AC	0.4512	1.515	0.0004144
12	rs11176527	65682486	CAND1	266929 base upstream	q14.3	AG	0.1037	1.852	0.000375
1	rs6429600	46637098	FAAH	intron 1	p33	AG	0.7529	0.648	0.000806

1	rs4556311	74234416	LRRC44	29873 base upstream	p31.1	AG	0.4662	0.631	0.0003524
17	rs9900880	24573932	CRYBA1	24068 base upstream	q11.2	AG	0.3953	0.62	0.0003777
6	rs9362888	92321886	MAP3K7	968258 base downstream	q16.1	AG	0.7815	1.711	0.0007016
4	rs13120921	13326569	FAM44A	88143 base downstream	p15.33	CT	0.6042	1.536	0.0004702
4	rs1554850	92515582	TMSL3	536290 base downstream	q22.1	AC	0.73	1.704	0.0005529
3	rs4683014	44994064	EXOSC7	intron 1	p21.31	AG	0.4682	0.674	0.0009763
11	rs17142764	81054378	MGC33846	1066320 base upstream	q14.1	CG	0.777	0.642	0.0008483
8	rs1043883	17547711	MTUS1	EXON 1	p22	CG	0.6194	0.669	0.0006589
1	rs2008873	115298685	SYCP1	intron 27	p13.2	AT	0.1225	1.703	0.0006426
17	rs727999	24570756	CRYBA1	27244 base upstream	q11.2	AG	0.3953	0.62	0.0003774
4	rs7672780	92514491	TMSL3	535199 base downstream	q22.1	AG	0.7007	1.659	0.0003579
4	rs7685112	116508739	NDST4	254258 base downstream	q26	CT	0.641	0.661	0.0003795
6	rs9345149	92320478	MAP3K7	966850 base downstream	q16.1	AT	0.2185	0.585	0.000717
18	rs2960028	26046673	DSC3	777376 base upstream	q12.1	AT	0.5564	1.507	0.0008251
2	rs10181140	37367267	PRKD3	intron 14	p22.2	GT	0.2238	1.564	0.0007586
10	rs2776630	30256403	KIAA1462	86986 base upstream	p11.23	CT	0.2395	0.59	0.0007324
4	rs7436414	116514942	NDST4	260461 base downstream	q26	AG	0.6411	0.661	0.0003766
7	rs7810943	152475034	ACTR3B	291638 base downstream	q36.2	AG	0.6271	1.552	0.0004964
11	rs10897849	81004683	MGC33846	1116015 base upstream	q14.1	AG	0.5487	0.661	0.0004244
1	rs6604543	215519038	GPATCH2	151418 base upstream	q41	AG	0.5353	0.683	0.0008434
17	rs8080958	24532830	CRYBA1	65170 base upstream	q11.2	AT	0.5532	1.543	0.0003081
5	rs952663	93824426	MGC34713	56493 base upstream	q15	AG	0.4694	1.483	0.000618
6	rs9342290	92320349	MAP3K7	966721 base downstream	q16.1	CT	0.2185	0.585	0.0007201
12	rs11043491	17575942	FLJ22655	549127 base upstream	p12.3	GT	0.1868	0.53	0.0002866
12	rs11178026	68680548	RAB3IP	177299 base downstream	q15	CT	0.2607	0.591	0.0004324
14	rs3861665	94460547	GSC	154295 base downstream	q32.13	AG	0.8272	1.973	0.0004057
17	rs4965978	24548368	CRYBA1	49632 base upstream	q11.2	CT	0.553	1.546	0.0002971
1	rs633696	199813623	NAV1	70449 base upstream	q32.1	CT	0.0591	2.045	0.0008842
8	rs9324508	140497987	KCNK9	195998 base upstream	q24.3	AG	0.2428	1.559	0.0006541
1	rs2343194	74229988	LRRC44	34301 base upstream	p31.1	AG	0.4695	0.634	0.0004293
11	rs2448274	79784289	ODZ4	1583456 base downstream	q14.1	CG	0.7494	0.643	0.0009398
14	rs11622766	78027611	NRXN3	intron 1	q24.3	AG	0.6178	0.656	0.0003683
11	rs7482266	79783565	ODZ4	1582732 base downstream	q14.1	CT	0.7494	0.643	0.0009388
4	rs7437909	116501880	NDST4	247399 base downstream	q26	CT	0.6406	0.661	0.0003939
1	rs7535727	48878877	AGBL4	intron 3	p33	GT	0.9188	0.541	0.0008738
4	rs6844256	92524147	TMSL3	544855 base downstream	q22.1	CG	0.2995	0.602	0.0003474
4	rs17010704	127248513	FAT4	614976 base downstream	q28.1	AT	0.1393	1.681	0.0005095

19	rs4334417	37368199	ZNF507	160193 base upstream	q13.11	AG	0.4813	0.657	0.0008017
4	rs1528564	92477494	TMSL3	498202 base downstream	q22.1	CT	0.2912	0.597	0.0003137
4	rs2178221	92521289	TMSL3	541997 base downstream	q22.1	CT	0.2995	0.602	0.0003501
13	rs2026026	98301534	DOCK9	intron 21	q32.3	CT	0.1652	1.634	0.0005855
11	rs7929262	125183381	C11orf38	29457 base downstream	q24.2	AT	0.6869	0.655	0.0004373
13	rs9603660	39493139	COG6	268507 base downstream	q13.3	CT	0.6374	0.678	0.0007457
17	rs9895410	45486194	ITGA3	2535 base upstream	q21.33	CT	0.1189	1.793	0.0002947
11	rs1945662	81005553	MGC33846	1115145 base upstream	q14.1	CT	0.5487	0.66	0.0004211
3	rs6763592	176315642	NAALADL2	intron 2	q26.31	GT	0.3997	1.484	0.0005766
1	rs11120691	205553098	CD55	8341 base upstream	q32.2	GT	0.4399	1.468	0.0009389
4	rs10000358	116502459	NDST4	247978 base downstream	q26	AG	0.3593	1.513	0.0003897
4	rs17010686	127243008	FAT4	609471 base downstream	q28.1	AG	0.8607	0.595	0.0005093
4	rs7668527	92527407	TMSL3	548115 base downstream	q22.1	AT	0.7011	1.665	0.0003319
4	rs1678305	8400638	ACOX3	18270 base upstream	p16.1	CT	0.5887	1.597	0.0003165
4	rs6837355	92523247	TMSL3	543955 base downstream	q22.1	AG	0.2995	0.602	0.0003484
5	rs7728878	93827557	MGC34713	53362 base upstream	q15	CT	0.5253	0.675	0.0007419
3	rs17550007	29734340	RBMS3	intron 4	p24.1	GT	0.6586	0.675	0.0008584
20	rs6128962	58942206	CDH4	318747 base upstream	q13.33	AG	0.5709	0.683	0.0008165
2	rs7606701	38403351	ARL6IP2	intron 11	p22.1	AC	0.6045	1.551	0.0003361
5	rs9314112	93821414	MGC34713	59505 base upstream	q15	AG	0.469	1.485	0.0006204
1	rs841329	94942350	SLC44A3	116138 base upstream	p21.3	AG	0.444	1.504	0.0008246
7	rs7776954	124677258	POT1	319985 base downstream	q31.33	AG	0.7517	0.634	0.0006815
4	rs1358554	92512505	TMSL3	533213 base downstream	q22.1	CT	0.2993	0.603	0.0003555
4	rs6858268	8386637	HTRA3	26907 base downstream	p16.1	CT	0.649	0.676	0.0007683
2	rs9808407	38403917	ARL6IP2	intron 11	p22.1	AC	0.4011	0.644	0.0003225
17	rs12936268	9717002	GLP2R	intron 10	p13.1	AT	0.8464	0.601	0.0009002
3	rs13082004	60197075	FHIT	intron 5	p14.2	CT	0.1879	0.523	0.0003843
2	rs7593981	38403041	ARL6IP2	intron 11	p22.1	AT	0.4011	0.644	0.000325
4	rs10517571	154534381	MND1	intron 4	q31.3	AC	0.4354	1.527	0.0004464
12	rs1565723	68683295	RAB3IP	180046 base downstream	q15	CT	0.2609	0.589	0.0004326
1	rs891373	205480867	CD55	80572 base upstream	q32.2	CT	0.4276	1.487	0.0008291
2	rs7425554	83407484	SUCLG1	1096680 base upstream	p12	CT	0.5982	0.666	0.0005219
12	rs7134411	68673713	RAB3IP	170464 base downstream	q15	CT	0.7404	1.681	0.0004565
4	rs3796632	140897320	MAML3	intron 3	q31.1	CT	0.0258	2.752	0.0009648
12	rs980891	60689368	FAM19A2	intron 4	q14.1	CT	0.7268	0.654	0.0007546
12	rs348696	60704889	FAM19A2	intron 4	q14.1	CT	0.7257	0.656	0.0007658
1	rs6604542	215512121	GPATCH2	158335 base upstream	q41	AG	0.5314	0.687	0.0009715

13	rs9513497	98303633	DOCK9	intron 21	q32.3	CT	0.4673	1.493	0.0007326
7	rs4730806	78868858	MAGI2	intron 21	q21.11	AC	0.7134	0.668	0.000749
1	rs12058997	48880413	AGBL4	intron 3	p33	CT	0.0812	1.849	0.0008688
7	rs7805990	147249143	CNTNAP2	intron 14	q35	GT	0.6633	1.618	0.0007391
4	rs1377287	72355439	SLC4A4	intron 3	q13.3	AG	0.8981	0.536	0.0002989
4	rs7683541	92459340	TMSL3	480048 base downstream	q22.1	CT	0.7078	1.718	0.0003267
12	rs1565725	68683857	RAB3IP	180608 base downstream	q15	CT	0.7389	1.701	0.0004336
17	rs902580	24510385	MYO18A	intron 40	q11.2	AC	0.5468	1.547	0.0002975
10	rs1270449	30256668	KIAA1462	86721 base upstream	p11.23	CT	0.7605	1.696	0.0007304
1	rs4846404	215518894	GPATCH2	151562 base upstream	q41	AG	0.5318	0.687	0.0009202
7	rs7805223	147248660	CNTNAP2	intron 14	q35	CT	0.663	1.619	0.0007348
11	rs17142739	81039330	MGC33846	1081368 base upstream	q14.1	AC	0.2373	1.55	0.0008271
1	rs10863316	215512946	GPATCH2	157510 base upstream	q41	CT	0.4686	1.455	0.0009711
1	rs11117833	215514615	GPATCH2	155841 base upstream	q41	CT	0.4651	1.462	0.0008857
1	rs10863317	215513296	GPATCH2	157160 base upstream	q41	AC	0.5314	0.687	0.000971
4	rs6825003	8386558	HTRA3	26828 base downstream	p16.1	CT	0.351	1.479	0.0007728
17	rs6505114	24523266	MYO18A	intron 41	q11.2	AG	0.5531	1.543	0.0003138
4	rs7698375	10669107	HS3ST1	339979 base upstream	p16.1	AG	0.7854	0.64	0.0006671
1	rs12741053	115209396	SYCP1	intron 8	p13.2	CT	0.1243	1.689	0.000768
12	rs1565724	68683835	RAB3IP	180586 base downstream	q15	AC	0.261	0.589	0.0004331
1	rs6666935	215517984	GPATCH2	152472 base upstream	q41	CT	0.5318	0.687	0.0009195
8	rs12674947	4064166	CSMD1	intron 67	p23.2	AG	0.96	0.441	0.0007123
11	rs17142744	81039404	MGC33846	1081294 base upstream	q14.1	GT	0.2373	1.549	0.0008288
7	rs7805492	147248774	CNTNAP2	intron 14	q35	CT	0.6631	1.619	0.0007348
7	rs12718319	49039292	ABCA13	381655 base downstream	p12.3	CT	0.7605	0.64	0.0007381
2	rs875654	38366214	ARL6IP2	10413 base upstream	p22.2	CT	0.1758	0.517	0.0004947
3	rs10510834	60196556	FHIT	intron 5	p14.2	AG	0.8129	1.91	0.0004274
7	rs7805515	147248819	CNTNAP2	intron 14	q35	CT	0.6632	1.618	0.0007378
1	rs4436446	215509686	GPATCH2	160770 base upstream	q41	CT	0.5314	0.687	0.0009723
10	rs604663	6544132	PRKCCQ	intron 4	p15.1	CT	0.4502	0.651	0.0003581
11	rs17142733	81037775	MGC33846	1082923 base upstream	q14.1	AG	0.7627	0.645	0.0008247
7	rs2538957	147247057	CNTNAP2	intron 14	q35	CT	0.6628	1.619	0.0007319
1	rs7525530	205549789	CD55	11650 base upstream	q32.2	AG	0.5604	0.68	0.0009045
4	rs3852108	154559969	MND1	4276 base downstream	q31.3	AC	0.5647	0.656	0.0004676
8	rs6989132	127608781	FAM84B	25087 base upstream	q24.21	CT	0.1511	1.688	0.0004784
4	rs6816883	92460094	TMSL3	480802 base downstream	q22.1	AG	0.3154	0.608	0.0003334
1	rs10863318	215513377	GPATCH2	157079 base upstream	q41	AG	0.5314	0.687	0.0009708

1	rs7532623	215516984	GPATCH2	153472 base upstream	q41	CT	0.4684	1.456	0.0009449
5	rs346405	62549494	LOC389293	440568 base downstream	q12.1	AC	0.8742	2.176	0.0006101
3	rs17024316	29757722	RBMS3	intron 5	p24.1	CG	0.509	0.664	0.0005989
4	rs4530647	127238127	FAT4	604590 base downstream	q28.1	CT	0.1393	1.677	0.0005453
22	rs713876	23839747	CRYBB3	86077 base upstream	q11.23	AG	0.291	1.503	0.0008064
13	rs9582269	98301752	DOCK9	intron 21	q32.3	AG	0.1651	1.633	0.0005926
13	rs2148775	89117527	GPC5	1731360 base upstream	q31.3	CT	0.0597	1.912	0.0009976
1	rs12074981	215514042	GPATCH2	156414 base upstream	q41	CT	0.5314	0.687	0.0009704
18	rs12454307	57445327	CDH20	71982 base downstream	q21.33	CT	0.2097	0.568	0.0005978
8	rs7007303	126994033	TRIB1	474209 base downstream	q24.13	AG	0.6092	0.675	0.0009095
3	rs1735538	129574792	EEFSEC	intron 6	q21.3	AG	0.7386	1.622	0.0009659
4	rs2904382	92539047	TMSL3	559755 base downstream	q22.1	AG	0.6997	1.642	0.000442
4	rs955500	92464469	TMSL3	485177 base downstream	q22.1	CT	0.3163	0.611	0.0003346
10	rs12571128	36637209	FZD8	666841 base downstream	p11.21	AG	0.9132	0.539	0.0005042
1	rs12059973	215514427	GPATCH2	156029 base upstream	q41	CT	0.4686	1.455	0.0009705
14	rs1544623	78030008	NRXN3	intron 1	q24.3	AG	0.6079	0.678	0.0008413
13	rs4772150	98305323	DOCK9	intron 22	q32.3	CT	0.429	1.485	0.0008734
9	rs12554461	4855256	RCL1	4192 base downstream	p24.1	AG	0.3145	0.644	0.0009996
18	rs1377169	57433136	CDH20	59791 base downstream	q21.33	AG	0.786	1.753	0.000692
6	rs4712556	20964682	CDKAL1	intron 9	p22.3	AG	0.3347	1.488	0.0009469
1	rs6688376	152592990	ATP8B2	2587 base downstream	q21.3	CT	0.7064	0.639	0.0007393
4	rs12651062	116498891	NDST4	244410 base downstream	q26	AG	0.3168	1.524	0.0004199
5	rs346420	62564968	LOC389293	456042 base downstream	q12.1	GT	0.1268	0.457	0.0006815
12	rs2951468	60731556	FAM19A2	intron 4	q14.1	AC	0.2615	1.539	0.0007555
16	rs17205999	53285438	IRX5	237173 base upstream	q12.2	AG	0.3573	1.496	0.0006675
2	rs10932782	219061439	USP37	intron 12	q35	CT	0.3702	0.641	0.0006242
7	rs2538959	147244691	CNTNAP2	intron 14	q35	GT	0.6597	1.613	0.0008126
2	rs7571743	219060816	USP37	intron 11	q35	CT	0.3702	0.641	0.0006238
5	rs346421	62565739	LOC389293	456813 base downstream	q12.1	GT	0.8731	2.191	0.0006858
13	rs9536735	53936097	OLFM4	1411910 base downstream	q21.1	AG	0.8756	2.239	0.0007985
1	rs12567534	88273491	PKN2	649018 base upstream	p22.2	AG	0.6075	1.533	0.0006716
8	rs2385503	126997191	TRIB1	477367 base downstream	q24.13	AT	0.39	1.483	0.0008874
5	rs164105	62564201	LOC389293	455275 base downstream	q12.1	AG	0.1263	0.46	0.0006618
10	rs678304	6544142	PRKCQ	intron 4	p15.1	CG	0.5879	1.604	0.0004308
4	rs6532290	92459948	TMSL3	480656 base downstream	q22.1	GT	0.6856	1.653	0.0003449
1	rs11117836	215514934	GPATCH2	155522 base upstream	q41	GT	0.4686	1.455	0.00097
13	rs7986477	98297352	DOCK9	intron 19	q32.3	AG	0.8335	0.619	0.0007907

3	rs6779932	29736947	RBMS3	intron 4	p24.1	GT	0.6583	0.676	0.0008862
2	rs6710383	219067929	USP37	intron 12	q35	GT	0.6298	1.56	0.0006242
1	rs6686201	205534725	CD55	26714 base upstream	q32.2	AG	0.5604	0.681	0.0009313
2	rs4668508	6853536	LOC129607	52367 base upstream	p25.2	AG	0.2572	0.594	0.0007224
14	rs1184875	37930129	CLEC14A	134804 base downstream	q21.1	AC	0.428	0.664	0.0007775
1	rs12133500	88272291	PKN2	650218 base upstream	p22.2	CG	0.3925	0.653	0.0006866
2	rs10202238	38396294	ARL6IP2	intron 9	p22.2	CT	0.3365	0.636	0.0006368
4	rs11726082	127224194	FAT4	590657 base downstream	q28.1	CT	0.862	0.601	0.0008
3	rs1486796	151371682	PFN2	200251 base downstream	q25.1	CT	0.197	0.558	0.0005957
10	rs4934805	36634477	FZD8	664109 base downstream	p11.21	AG	0.0868	1.858	0.0004729
8	rs16902754	129318285	MYC	495432 base downstream	q24.21	AC	0.0552	2.176	0.0005214
1	rs2217406	205524041	CD55	37398 base upstream	q32.2	AT	0.5606	0.683	0.0009972
4	rs6828907	116485614	NDST4	231133 base downstream	q26	CG	0.6831	0.657	0.0004391
3	rs7628950	60195347	FHIT	intron 5	p14.2	AT	0.1866	0.525	0.0004696
2	rs10200467	6855044	LOC129607	50859 base upstream	p25.2	CT	0.7431	1.664	0.0006955
13	rs9582266	98294942	DOCK9	intron 18	q32.3	AG	0.8333	0.621	0.0008397
8	rs11990954	127612296	FAM84B	21572 base upstream	q24.21	AC	0.1488	1.691	0.0005056
1	rs6675347	215516242	GPATCH2	154214 base upstream	q41	CT	0.4686	1.455	0.0009703
1	rs7540354	215516892	GPATCH2	153564 base upstream	q41	AG	0.4686	1.454	0.0009705
2	rs634590	219081012	USP37	intron 15	q35	AC	0.6079	1.561	0.0006107
2	rs2174865	17267063	RAD51AP2	288403 base upstream	p24.2	CG	0.3301	0.629	0.0005174
2	rs1507986	17266477	RAD51AP2	288989 base upstream	p24.2	CT	0.3301	0.629	0.0005174
3	rs1866773	29753247	RBMS3	intron 4	p24.1	CT	0.4638	1.484	0.0005915
13	rs9517467	98311123	DOCK9	intron 24	q32.3	AC	0.5642	0.673	0.0007973
14	rs1168555	37935967	CLEC14A	140642 base downstream	q21.1	AG	0.5694	1.504	0.0009281
2	rs11677772	17265222	RAD51AP2	290244 base upstream	p24.2	GT	0.3301	0.629	0.0005174
2	rs2030357	17263874	RAD51AP2	291592 base upstream	p24.2	AG	0.3301	0.629	0.0005171
2	rs2030358	17263810	RAD51AP2	291656 base upstream	p24.2	CT	0.6699	1.591	0.0005171
2	rs7419572	17263221	RAD51AP2	292245 base upstream	p24.2	AG	0.6699	1.591	0.0005171
2	rs1519968	17262967	RAD51AP2	292499 base upstream	p24.2	AC	0.3301	0.629	0.0005169
2	rs16983357	17263402	RAD51AP2	292064 base upstream	p24.2	CG	0.6699	1.591	0.0005172
2	rs11673738	17264870	RAD51AP2	290596 base upstream	p24.2	AT	0.6699	1.591	0.0005174
2	rs11693140	17263551	RAD51AP2	291915 base upstream	p24.2	AT	0.3301	0.629	0.0005172
6	rs9368246	20974836	CDKAL1	intron 9	p22.3	CT	0.3346	1.488	0.0009582
4	rs6857556	114747468	CAMK2D	intron 14	q26	AG	0.0602	1.986	0.0008237
2	rs1519969	17262933	RAD51AP2	292533 base upstream	p24.2	AT	0.6699	1.591	0.0005167
1	rs4265406	88270563	PKN2	651946 base upstream	p22.2	AG	0.6075	1.531	0.0007016

3	rs16862540	151370478	PFN2	199047 base downstream	q25.1	CG	0.8031	1.792	0.0005962
4	rs12648320	92541356	TMSL3	562064 base downstream	q22.1	AC	0.6828	1.631	0.0005082
22	rs5752064	23850095	CRYBB3	75729 base upstream	q11.23	CT	0.7091	0.665	0.0007835
15	rs11637847	31694343	RYR3	intron 19	q14	AG	0.4124	0.662	0.0008922
11	rs10160390	15157736	INSC	intron 5	p15.2	CT	0.6242	1.554	0.0005706
20	rs1569604	8456036	PLCB1	intron 3	p12.3	AG	0.4472	0.652	0.0004929
8	rs2169623	140499179	KCNK9	194806 base upstream	q24.3	AG	0.5346	0.677	0.0009219
2	rs13020402	17267310	RAD51AP2	288156 base upstream	p24.2	CT	0.3301	0.629	0.0005174
7	rs6943725	48310276	ABCA13	intron 21	p12.3	AG	0.465	1.509	0.0005585
14	rs1168554	37935713	CLEC14A	140388 base downstream	q21.1	AG	0.5693	1.503	0.0009404
20	rs4812022	56635234	STX16	24499 base upstream	q13.32	CT	0.8361	1.959	0.0007733
4	rs11731526	127224550	FAT4	591013 base downstream	q28.1	CG	0.862	0.601	0.0007996
4	rs7655124	116472360	NDST4	217879 base downstream	q26	CT	0.317	1.519	0.0004573
2	rs7601872	219028129	USP37	intron 1	q35	CG	0.6225	1.536	0.0007453
21	rs2252991	36478878	DOPEY2	intron 2	q22.12	AG	0.2964	0.625	0.0009227
9	rs11789876	2705349	KCNV2	2176 base upstream	p24.2	CT	0.6765	1.602	0.0003909
2	rs13031560	17251771	RAD51AP2	303695 base upstream	p24.2	CT	0.67	1.59	0.000522
4	rs12650886	116481279	NDST4	226798 base downstream	q26	CT	0.3617	1.502	0.0005009
4	rs987157	28926641	PCDH7	1404493 base upstream	p15.1	AG	0.111	1.813	0.000576
3	rs1386291	151376909	PFN2	205478 base downstream	q25.1	CT	0.8025	1.793	0.0005918
2	rs12467252	17248139	RAD51AP2	307327 base upstream	p24.2	CT	0.3299	0.63	0.0005451
8	rs9693045	129316558	MYC	493705 base downstream	q24.21	CT	0.0552	2.175	0.0005227
2	rs3755042	219025492	USP37	EXON 1	q35	CT	0.3776	0.651	0.0007437
2	rs3731867	219180978	PLCD4	EXON 1	q35	AG	0.376	0.645	0.000612
14	rs1186370	37936185	CLEC14A	140860 base downstream	q21.1	AG	0.5696	1.505	0.0009154
2	rs2710246	219242138	RNF25	intron 9	q35	CT	0.376	0.64	0.0005051
2	rs4674314	219131764	USP37	intron 23	q35	CT	0.3778	0.65	0.0007202
2	rs10495660	17260029	RAD51AP2	295437 base upstream	p24.2	GT	0.6699	1.591	0.0005167
2	rs664514	219038063	USP37	intron 5	q35	AG	0.3716	0.646	0.0007343
2	rs4674308	219018727	VIL1	intron 18	q35	AC	0.3776	0.651	0.0007397
2	rs3845835	219050528	USP37	intron 8	q35	CT	0.3775	0.651	0.0007509
17	rs12452739	24496369	MYO18A	intron 40	q11.2	AG	0.3202	0.607	0.0006282
18	rs11876431	57438389	CDH20	65044 base downstream	q21.33	AG	0.7921	1.735	0.0008113
14	rs11844960	78084707	NRXN3	intron 1	q24.3	AC	0.4131	1.478	0.0009047
2	rs11898524	17250287	RAD51AP2	305179 base upstream	p24.2	CT	0.6701	1.589	0.0005325
11	rs4597100	117191666	FXVD2	4333 base upstream	q23.3	AC	0.4016	0.646	0.000703
2	rs11893015	17250643	RAD51AP2	304823 base upstream	p24.2	CT	0.3299	0.629	0.0005238

2	rs1983375	17289256	RAD51AP2	266210 base upstream	p24.2	CT	0.1612	0.537	0.0009996
8	rs10505507	129311983	MYC	489130 base downstream	q24.21	CT	0.0552	2.17	0.0005449
2	rs13018947	17267368	RAD51AP2	288098 base upstream	p24.2	CG	0.6699	1.591	0.0005174
10	rs4303189	125987432	OAT	88429 base upstream	q26.13	AG	0.0395	2.357	0.0009687
2	rs17572485	219004789	VIL1	intron 9	q35	AG	0.3774	0.651	0.0007547
1	rs7535028	215523070	GPATCH2	147386 base upstream	q41	GT	0.4991	1.459	0.0009272
2	rs747193	13999212	FAM84A	691094 base upstream	p24.3	AG	0.8955	0.533	0.0005929
2	rs10200507	219044188	USP37	intron 6	q35	AC	0.3775	0.651	0.0007486
8	rs7840538	129311457	MYC	488604 base downstream	q24.21	CG	0.0552	2.169	0.0005469
1	rs1536127	199353517	CACNA1S	5200 base downstream	q32.1	AC	0.2446	1.569	0.0008931
2	rs11674840	17261376	RAD51AP2	294090 base upstream	p24.2	AG	0.2123	0.547	0.0004859
2	rs1589272	17253381	RAD51AP2	302085 base upstream	p24.2	AG	0.7877	1.83	0.0004874
8	rs10104031	140497072	KCNK9	196913 base upstream	q24.3	CT	0.2339	1.531	0.0009582
16	rs10500520	64006260	LOC283867	intron 7	q21	AG	0.9304	0.538	0.0009109
16	rs17439546	64006980	LOC283867	intron 7	q21	CT	0.9304	0.539	0.0009237
8	rs7812998	129307851	MYC	484998 base downstream	q24.21	AG	0.0552	2.168	0.0005525
2	rs7574429	219207003	PLCD4	intron 11	q35	GT	0.6241	1.551	0.0006067
22	rs875352	23875909	CRYBB3	49915 base upstream	q11.23	CG	0.2845	0.624	0.0007203
14	rs1015964	78086868	NRXN3	intron 1	q24.3	AG	0.5871	0.676	0.0009
8	rs2447553	140501955	KCNK9	192030 base upstream	q24.3	CT	0.5345	0.676	0.0008886
22	rs9624730	23876617	CRYBB3	49207 base upstream	q11.23	CT	0.7156	1.601	0.0007227
7	rs10246267	103388421	RELN	intron 64	q22.1	CT	0.0526	2.059	0.0008913
2	rs3770214	219217232	ZNF142	EXON 3	q35	CT	0.624	1.55	0.0006133
22	rs9624734	23878986	CRYBB3	46838 base upstream	q11.23	CT	0.7157	1.601	0.0007289
4	rs6532296	92469018	TMSL3	489726 base downstream	q22.1	AG	0.6863	1.613	0.0004939
2	rs585185	219165985	RQCD1	intron 7	q35	AG	0.638	1.572	0.0006116
4	rs6853566	116438169	NDST4	183688 base downstream	q26	CT	0.6825	0.662	0.0005222
11	rs12278218	113509338	ZBTB16	intron 2	q23.2	CT	0.8998	0.554	0.0008695
2	rs832798	219173054	RQCD1	5812 base downstream	q35	AG	0.6235	1.543	0.0006774
22	rs9624735	23879405	CRYBB3	46419 base upstream	q11.23	AG	0.2842	0.625	0.0007358
11	rs12419599	123073614	ZNF202	26592 base upstream	q24.1	GT	0.9502	0.474	0.0006869
4	rs17686110	116456988	NDST4	202507 base downstream	q26	AC	0.3173	1.514	0.00049
11	rs4406833	123073674	ZNF202	26532 base upstream	q24.1	AT	0.9504	0.472	0.000647
1	rs10158471	215522526	GPATCH2	147930 base upstream	q41	AG	0.5008	0.685	0.0009194
8	rs2468726	140503436	KCNK9	190549 base upstream	q24.3	CG	0.4654	1.481	0.0009348
4	rs10434023	116441466	NDST4	186985 base downstream	q26	CT	0.3175	1.51	0.0005198
4	rs6535917	154568191	MND1	12498 base downstream	q31.3	AG	0.4155	1.505	0.0009343

8	rs16901493	127614227	FAM84B	19641 base upstream	q24.21	GT	0.1488	1.693	0.0005138
16	rs17530421	64011536	LOC283867	intron 7	q21	CT	0.9304	0.54	0.0009701
2	rs7603816	219104499	USP37	intron 17	q35	CT	0.6286	1.548	0.0007443
22	rs6004454	23885789	CRYBB3	40035 base upstream	q11.23	AG	0.2837	0.626	0.0007556
1	rs6604663	215504627	GPATCH2	165829 base upstream	q41	AG	0.5009	0.687	0.0009876
4	rs1528579	92528251	TMSL3	548959 base downstream	q22.1	AT	0.2938	0.608	0.0004957
8	rs16902742	129304629	MYC	481776 base downstream	q24.21	AG	0.0552	2.165	0.0005669
11	rs10488696	113508557	ZBTB16	intron 2	q23.2	AG	0.1	1.809	0.0008457
11	rs1275055	123076941	ZNF202	23265 base upstream	q24.1	AT	0.9498	0.473	0.0007025
12	rs348692	60709833	FAM19A2	intron 4	q14.1	AG	0.2701	1.516	0.0009855
22	rs875353	23875612	CRYBB3	50212 base upstream	q11.23	AG	0.2847	0.624	0.0007118
2	rs636723	219081441	USP37	intron 15	q35	AG	0.3774	0.651	0.0007551
5	rs4921230	158812974	IL12B	122915 base downstream	q33.3	CT	0.7721	1.715	0.0005594
2	rs620596	219170663	RQCD1	3421 base downstream	q35	AG	0.6233	1.54	0.0007112
14	rs10483907	78085918	NRXN3	intron 1	q24.3	AG	0.413	1.479	0.000903
18	rs12454424	57455491	CDH20	82146 base downstream	q21.33	AG	0.2047	0.574	0.0009429
2	rs662250	219082361	USP37	intron 15	q35	AT	0.6226	1.536	0.0007555
2	rs6717433	219083955	USP37	intron 16	q35	CG	0.3774	0.651	0.0007564
4	rs1881454	92484643	TMSL3	505351 base downstream	q22.1	CG	0.6856	1.612	0.0004883
2	rs526897	219141841	RQCD1	80 base upstream	q35	AG	0.6228	1.533	0.0007833
4	rs10856885	92528566	TMSL3	549274 base downstream	q22.1	CT	0.2939	0.61	0.0005191
4	rs1507942	116462047	NDST4	207566 base downstream	q26	AT	0.317	1.515	0.0005612
22	rs16979674	23885283	CRYBB3	40541 base upstream	q11.23	AG	0.2632	0.618	0.0008486
2	rs496674	219140813	USP37	intron 25	q35	AG	0.6228	1.534	0.0007747
18	rs12457154	57455551	CDH20	82206 base downstream	q21.33	AG	0.7953	1.743	0.0009452
22	rs6004449	23880247	CRYBB3	45577 base upstream	q11.23	AG	0.716	1.599	0.0007432
2	rs7583449	219111266	USP37	intron 18	q35	AC	0.6227	1.535	0.0007643
2	rs523305	219110935	USP37	intron 18	q35	CT	0.6227	1.535	0.000764
2	rs599973	219095517	USP37	intron 16	q35	CG	0.3774	0.651	0.0007599
22	rs16979684	23890601	CRYBB3	35223 base upstream	q11.23	AC	0.7161	1.599	0.0007317
4	rs6820807	92530648	TMSL3	551356 base downstream	q22.1	AT	0.294	0.61	0.0005299
2	rs3770213	219216616	ZNF142	EXON 3	q35	AT	0.6191	1.546	0.0007043
4	rs6841781	92489733	TMSL3	510441 base downstream	q22.1	CT	0.6855	1.61	0.000493
2	rs490483	219137296	USP37	intron 25	q35	AT	0.3773	0.652	0.0007708
14	rs10431730	78012231	NRXN3	intron 1	q24.3	AG	0.6097	0.665	0.0006592
2	rs687747	219107871	USP37	intron 18	q35	CT	0.6226	1.535	0.0007624
4	rs7654013	92510260	TMSL3	530968 base downstream	q22.1	GT	0.7126	1.666	0.0005414

2	rs523937	219145840	RQCD1	intron 1	q35	CG	0.6228	1.533	0.0007834
2	rs3770216	219151961	RQCD1	intron 1	q35	AG	0.6228	1.533	0.0007834
22	rs7285325	23895420	CRYBB3	30404 base upstream	q11.23	AG	0.2634	0.617	0.0008413
2	rs576901	219132608	USP37	intron 23	q35	AG	0.3773	0.652	0.0007677
2	rs630858	219117933	USP37	intron 18	q35	AC	0.6227	1.535	0.0007652
2	rs12619347	219128179	USP37	intron 22	q35	CT	0.3773	0.651	0.000766
4	rs13147974	13322444	FAM44A	84018 base downstream	p15.33	CG	0.5855	1.533	0.00066
18	rs2587634	37373309	PIK3C3	415887 base upstream	q12.3	CT	0.3206	1.494	0.0007925
18	rs2587632	37374178	PIK3C3	415018 base upstream	q12.3	CT	0.321	1.496	0.0007881
21	rs363569	29954574	GRIK1	intron 12	q21.3	CT	0.9627	0.441	0.0006906
21	rs7280245	33678481	IFNGR2	18590 base upstream	q22.11	AG	0.8434	0.594	0.0005271
2	rs6760584	83410251	SUCLG1	1093913 base upstream	p12	GT	0.3991	1.478	0.0008855
10	rs7913128	9906737	CUGBP2	1180527 base upstream	p14	AG	0.8735	0.58	0.0009141
18	rs2612339	37368108	PIK3C3	421088 base upstream	q12.3	AG	0.3203	1.492	0.0007942
22	rs16979683	23890579	CRYBB3	35245 base upstream	q11.23	AC	0.7161	1.599	0.0007301
21	rs12329794	33674908	IFNAR1	20912 base downstream	q22.11	AG	0.1565	1.683	0.0005168
7	rs826802	146666000	CNTNAP2	intron 9	q35	GT	0.6825	1.58	0.0007718
4	rs6532299	92470862	TMSL3	491570 base downstream	q22.1	CT	0.3137	0.62	0.0004982
2	rs11894455	38371019	ARL6IP2	5608 base upstream	p22.2	CT	0.6104	1.505	0.0008666
13	rs9519490	104284662	DAOA	631702 base upstream	q33.2	CT	0.2049	1.59	0.0007517
7	rs849766	12646159	SCIN	intron 10	p21.3	GT	0.1185	1.798	0.000792
18	rs2848770	37368855	PIK3C3	420341 base upstream	q12.3	AG	0.3204	1.493	0.0007932
14	rs727208	78050487	NRXN3	intron 1	q24.3	AC	0.4128	1.475	0.0009097
14	rs11622407	78058257	NRXN3	intron 1	q24.3	GT	0.413	1.475	0.0009133
2	rs2098446	51334759	NRXN1	221581 base downstream	p16.3	AG	0.3593	1.494	0.0007645
2	rs562510	219151245	RQCD1	intron 1	q35	AC	0.3772	0.652	0.0007833
22	rs6004456	23885948	CRYBB3	39876 base upstream	q11.23	AG	0.2963	0.625	0.000829
2	rs3755041	219150743	RQCD1	intron 1	q35	AT	0.6228	1.533	0.0007835
7	rs4370447	145214888	CNTNAP2	229497 base upstream	q35	AG	0.9241	0.531	0.0008532
17	rs1388175	24488142	MYO18A	intron 40	q11.2	AC	0.4539	0.66	0.0005601
2	rs2098441	51330460	NRXN1	217282 base downstream	p16.3	AG	0.6406	0.67	0.0007685
4	rs4593093	92480699	TMSL3	501407 base downstream	q22.1	GT	0.3143	0.62	0.0004862
21	rs2832424	29945121	GRIK1	intron 10	q21.3	AC	0.9627	0.442	0.0007279
3	rs1371846	29736653	RBMS3	intron 4	p24.1	AC	0.693	0.664	0.0006261
14	rs11159368	78048416	NRXN3	intron 1	q24.3	AC	0.5873	0.679	0.000966
2	rs6712339	17296529	RAD51AP2	258937 base upstream	p24.2	CT	0.8355	1.877	0.0009064
3	rs6780134	29737133	RBMS3	intron 4	p24.1	AG	0.3071	1.505	0.0006306

11	rs1938928	86022325	ME3	intron 13	q14.2	CT	0.0836	1.818	0.0009759
14	rs11159367	78048326	NRXN3	intron 1	q24.3	AG	0.5873	0.68	0.0009798
3	rs1371844	29736510	RBMS3	intron 4	p24.1	CT	0.6931	0.664	0.0006233
14	rs11625200	77999119	NRXN3	intron 1	q24.3	AC	0.386	1.491	0.0007936
14	rs10782463	78048235	NRXN3	intron 1	q24.3	CT	0.4127	1.471	0.0009919
9	rs2376398	76896764	OSTF1	intron 1	q21.13	CT	0.3991	0.643	0.0009438
2	rs647990	219149672	RQCD1	intron 1	q35	CT	0.6234	1.53	0.0008396
14	rs11626916	78048581	NRXN3	intron 1	q24.3	AG	0.5873	0.679	0.0009606
9	rs1454629	2690620	KCNV2	16905 base upstream	p24.2	CT	0.6754	1.577	0.0008215
2	rs3755025	38374562	ARL6IP2	2065 base upstream	p22.2	CT	0.3918	0.665	0.000888
11	rs12289252	86016483	ME3	intron 13	q14.2	GT	0.9164	0.55	0.0009758
2	rs578450	219109481	USP37	intron 18	q35	CT	0.3868	0.652	0.0008504
17	rs7219630	24474555	MYO18A	intron 40	q11.2	AG	0.4537	0.663	0.0006304
21	rs363586	29943925	GRIK1	intron 10	q21.3	GT	0.0375	2.221	0.00098
17	rs882729	24474102	MYO18A	intron 40	q11.2	CT	0.5463	1.508	0.0006341
3	rs6783723	29738242	RBMS3	intron 4	p24.1	AG	0.3076	1.505	0.0006423
16	rs2220233	75607795	MON1B	174541 base upstream	q23.1	CT	0.2545	0.617	0.0008844
7	rs849764	12644156	SCIN	intron 10	p21.3	CG	0.8813	0.555	0.0007983
2	rs13417898	38369932	ARL6IP2	6695 base upstream	p22.2	CT	0.3727	0.651	0.0007007
11	rs1540176	81032483	MGC33846	1088215 base upstream	q14.1	CT	0.3962	0.636	0.0007679
18	rs2848760	37360470	PIK3C3	428726 base upstream	q12.3	AG	0.6802	0.672	0.0008328
8	rs1514708	19199623	SH2D4A	15863 base upstream	p21.3	CG	0.0408	2.173	0.0009791
18	rs2848768	37367434	PIK3C3	421762 base upstream	q12.3	CT	0.6801	0.672	0.0008281
2	rs4670861	38374360	ARL6IP2	2267 base upstream	p22.2	CT	0.3918	0.665	0.0008913
11	rs2155035	86021251	ME3	intron 13	q14.2	AG	0.0836	1.818	0.0009722
18	rs2612343	37365054	PIK3C3	424142 base upstream	q12.3	CT	0.6801	0.671	0.0008279
18	rs2703183	37362872	PIK3C3	426324 base upstream	q12.3	AT	0.6801	0.671	0.0008276
18	rs2703176	37363038	PIK3C3	426158 base upstream	q12.3	CT	0.3199	1.489	0.0008276
4	rs6533856	116495156	NDST4	240675 base downstream	q26	GT	0.3201	1.496	0.0007238
2	rs287293	17251821	RAD51AP2	303645 base upstream	p24.2	CT	0.8386	1.862	0.0009714
18	rs2612344	37365020	PIK3C3	424176 base upstream	q12.3	CT	0.3199	1.489	0.0008279
2	rs13420545	51341929	NRXN1	228751 base downstream	p16.3	CT	0.6436	0.668	0.0009116
18	rs2587615	37364633	PIK3C3	424563 base upstream	q12.3	CT	0.3199	1.489	0.0008277
2	rs6720403	219002502	VIL1	intron 6	q35	AC	0.6219	1.541	0.000689
2	rs3821031	219003493	VIL1	intron 8	q35	CT	0.622	1.541	0.0006956
18	rs2848767	37366646	PIK3C3	422550 base upstream	q12.3	CT	0.3199	1.489	0.0008279
18	rs2848766	37366392	PIK3C3	422804 base upstream	q12.3	AG	0.3199	1.489	0.0008279

2	rs287300	17263732	RAD51AP2	291734 base upstream	p24.2	AG	0.8385	1.863	0.0009633
11	rs10898515	86018768	ME3	intron 13	q14.2	CT	0.9164	0.549	0.0009619
21	rs363550	29968170	GRIK1	intron 13	q21.3	CG	0.9625	0.441	0.0007736
9	rs11793747	2705284	KCNV2	2241 base upstream	p24.2	CG	0.3249	0.635	0.0005772
2	rs484687	17222881	RAD51AP2	332585 base upstream	p24.2	CT	0.8461	1.959	0.0008353
5	rs1455845	114715541	CCDC112	55184 base downstream	q22.3	AG	0.1007	1.78	0.0009561
3	rs4679648	60194354	FHIT	intron 5	p14.2	CT	0.1838	0.548	0.0009246
7	rs12703745	145228893	CNTNAP2	215492 base upstream	q35	AG	0.0754	1.868	0.000997
2	rs10497382	172973708	ITGA6	26851 base upstream	q31.1	CT	0.8181	0.599	0.0007119
17	rs9890077	45486459	ITGA3	2270 base upstream	q21.33	AG	0.8864	0.579	0.0008887
5	rs7701924	114734342	CCDC112	73985 base downstream	q22.3	AG	0.1002	1.755	0.0009822
10	rs11593067	122962348	FGFR2	265497 base upstream	q26.12	CT	0.5312	0.675	0.0008253
4	rs2091765	92557826	TMSL3	578534 base downstream	q22.1	AG	0.3115	0.618	0.0006753
17	rs4965417	24442232	MYO18A	intron 8	q11.2	CT	0.4585	0.667	0.000742
4	rs7672281	92549378	TMSL3	570086 base downstream	q22.1	AC	0.3113	0.619	0.0007032
17	rs4795495	24438034	MYO18A	intron 4	q11.2	CG	0.4586	0.667	0.0007379
3	rs11924206	14908226	FGD5	intron 4	p24.3	GT	0.7559	0.666	0.0009021
17	rs4794094	45487642	ITGA3	1087 base upstream	q21.33	CT	0.1137	1.726	0.0008834
2	rs972337	60184903	BCL11A	346902 base upstream	p16.1	CT	0.5692	0.656	0.0008451
4	rs4301075	92549226	TMSL3	569934 base downstream	q22.1	AT	0.3112	0.619	0.0007168
5	rs10060558	114739103	CCDC112	78746 base downstream	q22.3	CT	0.1001	1.753	0.0009659
16	rs1485793	75659337	MON1B	122999 base upstream	q23.1	AG	0.7423	1.613	0.0009969
5	rs17137669	114736927	CCDC112	76570 base downstream	q22.3	AG	0.1002	1.749	0.0009901
11	rs4430519	123073531	ZNF202	26675 base upstream	q24.1	GT	0.9492	0.486	0.0009889
20	rs6067766	49473493	NFATC2	intron 2	q13.2	AG	0.1195	0.439	0.0009623
4	rs4521314	72303517	SLC4A4	intron 1	q13.3	AC	0.1123	2.101	4.19E-06
19	rs12462673	56890466	HAS1	17710 base upstream	q13.33	AG	0.9729	0.314	8.85E-06
4	rs4311283	74585279	AFM	intron 12	q13.3	CT	0.9732	0.322	0.0001108
13	rs1327342	89121163	GPC5	1727724 base upstream	q31.3	CG	0.9741	0.35	0.0001396
6	rs9474262	52599645	TMEM14A	44197 base upstream	p12.2	CT	0.0383	2.616	0.0001447
11	rs11605616	131483057	HNT	intron 2	q25	CG	0.9901	0.178	0.0001737
20	rs2143205	8459004	PLCB1	intron 3	p12.3	CT	0.4991	1.604	0.0001827
20	rs2423364	8464695	PLCB1	intron 3	p12.3	CT	0.3113	0.593	0.0001909
5	rs32973	115859204	SEMA6A	intron 14	q23.1	AG	0.6409	0.646	0.0002224
10	rs17135903	3888018	KLF6	70563 base downstream	p15.1	CT	0.9923	0.149	0.0002328
20	rs2423366	8465451	PLCB1	intron 3	p12.3	AG	0.3099	0.6	0.0002333
6	rs1884456	52612989	TMEM14A	30853 base upstream	p12.1	AG	0.0344	2.532	0.0002409

10	rs6482659	129848954	MKI67	34309 base downstream	q26.2	AC	0.3008	1.605	0.0002476
15	rs8027032	58790190	RORA	intron 10	q22.2	CT	0.2106	0.512	0.0002557
14	rs10133971	94392551	GSC	86299 base downstream	q32.13	CT	0.9358	0.467	0.0002586
4	rs17710298	55661374	KDR	intron 15	q12	CT	0.9784	0.338	0.0002655
6	rs9474264	52600553	TMEM14A	43289 base upstream	p12.1	AT	0.0344	2.528	0.0002673
6	rs9463804	52591585	TRAM2	41764 base downstream	p12.2	AT	0.9656	0.396	0.0002797
6	rs9474257	52589637	TRAM2	39816 base downstream	p12.2	GT	0.0344	2.526	0.0002823
2	rs13032715	40178533	SLC8A1	14256 base upstream	p22.1	CT	0.4345	1.585	0.0002837
2	rs12614752	40169977	SLC8A1	22812 base upstream	p22.1	GT	0.4378	1.573	0.0002938
17	rs714422	12103857	MAP2K4	116082 base downstream	p12	AG	0.0827	0.296	0.0002978
2	rs10496069	57630160	VRK2	497063 base upstream	p16.1	AT	0.9796	0.315	0.000305
2	rs9309301	57629406	VRK2	497817 base upstream	p16.1	AG	0.0204	3.176	0.0003075
2	rs10166539	57629283	VRK2	497940 base upstream	p16.1	AG	0.0204	3.175	0.0003083
17	rs12150546	12108360	MAP2K4	120585 base downstream	p12	AG	0.9171	3.381	0.000309
2	rs9309299	57629006	VRK2	498217 base upstream	p16.1	CG	0.0204	3.171	0.000313
17	rs16945798	12110529	MAP2K4	122754 base downstream	p12	AG	0.9169	3.381	0.0003243
3	rs9857839	172439746	TNIK	intron 31	q26.2	CT	0.0078	6.213	0.0003401
14	rs1777075	42261991	LRFN5	818493 base downstream	q21.2	AG	0.0708	2.102	0.000342
2	rs9309298	57626427	VRK2	500796 base upstream	p16.1	AG	0.9794	0.319	0.0003496
2	rs13412537	57636788	VRK2	490435 base upstream	p16.1	CG	0.9797	0.316	0.0003499
2	rs9309297	57625311	VRK2	501912 base upstream	p16.1	CG	0.0206	3.132	0.0003556
8	rs6981782	17542512	PDGFRL	intron 5	p22	CT	0.0137	3.771	0.0003564
2	rs13410921	57624516	VRK2	502707 base upstream	p16.1	AC	0.9794	0.319	0.0003577
6	rs9474254	52586483	TRAM2	36662 base downstream	p12.2	AG	0.9651	0.402	0.0003652
2	rs13389335	57618472	VRK2	508751 base upstream	p16.1	AT	0.9797	0.315	0.0003667
18	rs8095590	10664815	FAM38B	intron 2	p11.22	CT	0.4977	1.561	0.0003671
14	rs11160216	94394040	GSC	87788 base downstream	q32.13	AG	0.0638	2.026	0.0003714
2	rs6746753	57617362	VRK2	509861 base upstream	p16.1	CG	0.0199	3.241	0.0003729
14	rs10149887	42262582	LRFN5	819084 base downstream	q21.2	AT	0.0701	2.123	0.0003736
2	rs13392012	57616717	VRK2	510506 base upstream	p16.1	CT	0.0199	3.245	0.0003737
6	rs9400871	116133539	FRK	235847 base upstream	q22.1	AT	0.8162	0.619	0.0003788
6	rs9372449	116136091	FRK	233295 base upstream	q22.1	CG	0.813	0.615	0.0003843
6	rs9374567	116136871	FRK	232515 base upstream	q22.1	CT	0.8162	0.619	0.0003873
2	rs10153799	57633546	VRK2	493677 base upstream	p16.1	GT	0.021	3.11	0.000391
6	rs9320546	116137208	FRK	232178 base upstream	q22.1	CT	0.8163	0.619	0.0003952
3	rs17066182	62091268	PTPRG	intron 5	p14.2	CT	0.9896	0.206	0.0003978
2	rs917977	40174693	SLC8A1	18096 base upstream	p22.1	CT	0.4434	1.559	0.0004039

2	rs12151560	40172384	SLC8A1	20405 base upstream	p22.1	CT	0.4435	1.558	0.0004062
13	rs6492439	89120930	GPC5	1727957 base upstream	q31.3	CT	0.9253	0.498	0.0004101
6	rs9463810	52615564	TMEM14A	28278 base upstream	p12.1	GT	0.9621	0.411	0.0004171
5	rs11953897	26174463	CDH9	742002 base upstream	p14.1	AG	0.0854	1.941	0.0004296
9	rs748787	2684201	KCNV2	23324 base upstream	p24.2	AG	0.0721	2.075	0.0004516
20	rs6056488	924269	RSPO4	intron 4	p13	AG	0.954	0.445	0.0004531
9	rs4741038	10573907	PTPRD	intron 44	p23	AT	0.1044	1.85	0.0004966
6	rs6904410	83342419	TPBG	209086 base downstream	q14.1	CT	0.0322	2.5	0.000497
6	rs9361943	83341774	TPBG	208441 base downstream	q14.1	AG	0.9678	0.4	0.0004973
6	rs16885899	83339411	TPBG	206078 base downstream	q14.1	AG	0.0322	2.51	0.0005037
6	rs9443987	83346508	TPBG	213175 base downstream	q14.1	CT	0.0322	2.496	0.0005088
6	rs1999411	83348901	TPBG	215568 base downstream	q14.1	CT	0.9678	0.401	0.0005242
6	rs1999412	83348993	TPBG	215660 base downstream	q14.1	AC	0.9678	0.401	0.0005275
6	rs6939695	83349658	TPBG	216325 base downstream	q14.1	AC	0.9678	0.402	0.0005513
11	rs12292038	23636292	SVIP	828334 base downstream	p14.3	AG	0.0117	4.509	0.0005712
11	rs11037068	5350363	OR51M1	16841 base upstream	p15.4	GT	0.0603	2.004	0.0005809
2	rs6544307	40152968	SLC8A1	39821 base upstream	p22.1	CT	0.7233	0.627	0.0005834
2	rs9288698	150391583	C2orf25	239066 base downstream	q23.3	GT	0.6381	0.636	0.0005838
5	rs4701526	26178629	CDH9	737836 base upstream	p14.1	CG	0.085	1.889	0.0005867
18	rs600419	10667979	FAM38B	intron 4	p11.22	CT	0.5009	0.651	0.0005947
18	rs510529	10666564	FAM38B	intron 3	p11.22	CT	0.4989	1.534	0.000597
5	rs11959230	85551089	COX7C	398450 base upstream	q14.3	CT	0.9884	0.231	0.0006025
11	rs12279140	23653839	LUZP2	821292 base upstream	p14.3	AC	0.0133	3.769	0.0006091
11	rs12269913	23656340	LUZP2	818791 base upstream	p14.3	AC	0.9866	0.266	0.0006094
11	rs11027431	23662377	LUZP2	812754 base upstream	p14.3	AT	0.0135	3.721	0.000614
11	rs11027434	23665756	LUZP2	809375 base upstream	p14.3	CT	0.0136	3.685	0.000623
11	rs12293501	23666708	LUZP2	808423 base upstream	p14.3	AG	0.0137	3.683	0.0006239
11	rs12294691	23649890	LUZP2	825241 base upstream	p14.3	AG	0.987	0.263	0.000627
11	rs11027436	23667238	LUZP2	807893 base upstream	p14.3	CT	0.9863	0.272	0.0006278
11	rs11027438	23669184	LUZP2	805947 base upstream	p14.3	AT	0.0137	3.659	0.0006336
12	rs5028648	118973019	CCDC64	intron 2	q24.23	AG	0.7962	0.623	0.0006341
11	rs11027440	23669845	LUZP2	805286 base upstream	p14.3	AT	0.9863	0.274	0.0006353
11	rs12274900	23671438	LUZP2	803693 base upstream	p14.3	CT	0.9862	0.274	0.0006386
11	rs12283754	23672278	LUZP2	802853 base upstream	p14.3	AT	0.0138	3.635	0.0006562
12	rs3852585	118998008	CCDC64	intron 6	q24.23	CT	0.7976	0.629	0.0006721
18	rs7236228	8866666	KIAA0802	43891 base downstream	p11.22	CT	0.5721	1.542	0.0006864
11	rs10789607	106690064	CWF19L2	12228 base upstream	q22.3	CT	0.9811	0.31	0.0006882

11	rs12280993	23675755	LUZP2	799376 base upstream	p14.3	CT	0.0139	3.617	0.0006938
12	rs3852587	119024673	RAB35	intron 3	q24.23	AC	0.2001	1.572	0.0007225
12	rs3936255	119031310	RAB35	intron 5	q24.23	GT	0.8003	0.637	0.0007339
5	rs346423	62568648	LOC389293	459722 base downstream	q12.1	AG	0.8717	2.223	0.0007521
20	rs16985881	39586586	CHD6	intron 34	q12	AG	0.9827	0.331	0.0007527
20	rs6102451	39591123	CHD6	intron 34	q12	AG	0.0173	3.017	0.0007527
20	rs16985879	39585961	CHD6	intron 34	q12	CT	0.0173	3.017	0.0007529
20	rs6124365	39687101	CHD6	6554 base downstream	q12	AC	0.9829	0.327	0.000755
11	rs7114872	23645887	LUZP2	829244 base upstream	p14.3	CT	0.0133	3.675	0.0007567
20	rs6129876	39646291	CHD6	intron 36	q12	AG	0.0173	3.023	0.0007587
20	rs6093497	39634949	CHD6	intron 36	q12	AG	0.9827	0.331	0.0007596
15	rs17539990	91523799	RGMA	90362 base downstream	q26.1	CG	0.7569	0.645	0.0007808
7	rs10085746	82779344	SEMA3E	51813 base upstream	q21.11	CT	0.9822	0.332	0.0007929
20	rs224159	24128615	GGTLA4	211199 base downstream	p11.21	CT	0.9774	0.349	0.0008067
11	rs1879035	23644526	LUZP2	830605 base upstream	p14.3	CT	0.9869	0.274	0.000828
6	rs3734662	90707807	BACH2	intron 2	q15	CT	0.4704	0.664	0.0008315
20	rs2208014	24094378	GGTLA4	176962 base downstream	p11.21	CT	0.9785	0.355	0.0008381
11	rs11027422	23641651	LUZP2	833480 base upstream	p14.3	CG	0.0131	3.637	0.0008562
11	rs12295501	23637818	SVIP	829860 base downstream	p14.3	CG	0.0131	3.643	0.0008568
11	rs7122399	23639466	SVIP	831508 base downstream	p14.3	CG	0.9869	0.275	0.0008583
11	rs1879036	23644504	LUZP2	830627 base upstream	p14.3	AG	0.013	3.635	0.0008589
7	rs1557787	82671810	PCLO	41677 base downstream	q21.11	CT	0.982	0.331	0.0008611
12	rs7961195	78710196	PPP1R12A	intron 6	q21.31	CT	0.0183	3.062	0.0008671
11	rs12277987	23678195	LUZP2	796936 base upstream	p14.3	CT	0.9871	0.257	0.0008818
12	rs12833727	78691492	PPP1R12A	824 base upstream	q21.2	CG	0.9816	0.328	0.0008977
12	rs17005986	78733055	PPP1R12A	intron 16	q21.31	CT	0.018	3.031	0.000904
1	rs11207145	58233385	DAB1	intron 16	p32.2	AG	0.0086	4.61	0.0009134
20	rs2179441	8465895	PLCB1	intron 3	p12.3	AC	0.4075	0.644	0.0009177
4	rs12512046	182929319	ODZ3	552811 base upstream	q35.1	GT	0.4678	1.509	0.0009219
4	rs12508055	182929362	ODZ3	552768 base upstream	q35.1	AG	0.4678	1.508	0.0009246
3	rs16855954	172404356	TNIK	intron 29	q26.2	AC	0.9939	0.155	0.000925
10	rs11185747	91289457	SLC16A12	4164 base downstream	q23.31	AT	0.0506	2.084	0.0009606