

**Table S1. Global DASE analysis**

SNP ID	gene_symbol	chr	coordinate	Sample ID	DASE
rs3748597	NOC2L	1	878522	8	0.56472
rs4970441	KLHL17	1	887188	8	0.148737
rs41285812	PLEKHN1	1	895985	2	2.499262
rs28561399	PLEKHN1	1	900336	2	1.857875
rs2340592	C1orf170	1	900798	2	4.524085
rs2340592	C1orf170	1	900798	4	0.52439
GA000031	AGRN	1	980243	1	2.878857
GA000031	AGRN	1	980243	4	4.225445
GA000031	AGRN	1	980243	3	7.423973
rs3766191	C1orf159	1	1007450	4	0.765256
rs3766191	C1orf159	1	1007450	1	4.153483
rs4074137	C1orf159	1	1016570	1	1.269004
rs4074137	C1orf159	1	1016570	2	1.456134
rs1320571	TTLL10	1	1110294	8	2.416536
rs3813204	TTLL10	1	1110877	7	0.645796
rs12036216	SDF4	1	1142976	6	0.811158
rs12093154	FAM132A	1	1168788	8	3.697012
rs12093154	FAM132A	1	1168788	6	2.961987
GA018415	MIB2	1	1541790	7	0.479041
GA018415	MIB2	1	1541790	2	6.521957
rs12755088	MIB2	1	1548655	4	1.145726
rs12755088	MIB2	1	1548655	3	0.407419
SNP1-1628854	CDC2L2	1	1628854	4	6.716753
SNP1-1675900	NADK	1	1675900	6	0.42066
SNP1-1675900	NADK	1	1675900	1	0.437761
rs1884455	TMEM52	1	1839604	4	4.944524
rs3820011	KIAA1751	1	1878053	1	1.386055
SNP1-1890046	KIAA1751	1	1890046	6	1.375868
SNP1-1890046	KIAA1751	1	1890046	1	0.013181
SNP1-1890046	KIAA1751	1	1890046	2	0.671798
SNP1-1890046	KIAA1751	1	1890046	7	1.623036
rs16824588	KIAA1751	1	1890092	6	0.039202
rs16824588	KIAA1751	1	1890092	3	1.324634
rs16824588	KIAA1751	1	1890092	2	1.151325
rs16824588	KIAA1751	1	1890092	1	0.059151
rs12184	PRKCZ	1	1977853	5	1.084595
rs12184	PRKCZ	1	1977853	3	0.161011
rs12184	PRKCZ	1	1977853	1	0.42942
rs3123595	C1orf86	1	2107418	2	3.160142
rs34587196	MORN1	1	2280003	5	5.776355
rs7512269	PLCH2	1	2408485	1	5.530447
rs2296442	PLCH2	1	2420477	3	0.126792

rs2296442	PLCH2	1	2420477	8	2.264457
rs2296442	PLCH2	1	2420477	1	1.130557
rs2296442	PLCH2	1	2420477	6	3.462337
rs2296442	PLCH2	1	2420477	2	0.280803
rs2296442	PLCH2	1	2420477	4	0.49238
rs2494620	PANK4	1	2431218	7	0.613003
rs2494620	PANK4	1	2431218	2	0.741784
rs2494620	PANK4	1	2431218	1	0.560575
SNP1-2486265	TNFRSF14	1	2486265	8	0.282896
SNP1-2486265	TNFRSF14	1	2486265	2	0.782545
SNP1-2486265	TNFRSF14	1	2486265	5	0.994711
SNP1-2486265	TNFRSF14	1	2486265	3	1.141057
SNP1-2516606	MMEL1	1	2516606	6	1.836374
SNP1-2516606	MMEL1	1	2516606	5	5.181309
SNP1-2516606	MMEL1	1	2516606	4	0.264026
SNP1-2525473	MMEL1	1	2525473	6	2.070887
SNP1-2525473	MMEL1	1	2525473	5	2.327321
SNP1-2525473	MMEL1	1	2525473	2	3.078952
rs4576609	ACTRT2	1	2928125	6	0.285804
rs4576609	ACTRT2	1	2928125	7	0.619722
rs4576609	ACTRT2	1	2928125	3	0.509031
rs4576609	ACTRT2	1	2928125	2	0.869806
rs3795262	ACTRT2	1	2928557	3	0.649376
rs3795262	ACTRT2	1	2928557	7	1.309358
rs3795263	ACTRT2	1	2928849	1	0.626988
rs3795263	ACTRT2	1	2928849	3	0.019215
rs2236518	PRDM16	1	3342732	5	1.093587
rs2236518	PRDM16	1	3342732	4	0.050629
rs2821039	MEGF6	1	3396867	1	4.02201
SNP1-3400270	MEGF6	1	3400270	1	4.186529
rs7553399	MEGF6	1	3406309	1	2.717446
rs7553399	MEGF6	1	3406309	5	0.385063
SNP1-3407071	MEGF6	1	3407071	4	0.626121
SNP1-3407071	MEGF6	1	3407071	1	3.854645
SNP1-3414248	MEGF6	1	3414248	4	5.318592
SNP1-3414248	MEGF6	1	3414248	1	6.033573
SNP1-3418468	MEGF6	1	3418468	1	5.934405
SNP1-3418468	MEGF6	1	3418468	4	1.779521
SNP1-3501794	MEGF6	1	3501794	3	0.639749
rs2296034	WDR8	1	3541652	2	4.942978
rs1801174	TP73	1	3628534	6	0.812858
rs3903158	KIAA0495	1	3645396	2	5.035084
rs2298223	KIAA0495	1	3649602	2	3.974553
rs2275819	LOC388588	1	3679268	7	0.108005
rs2275831	KIAA0562	1	3735784	2	5.216241
rs2275822	KIAA0562	1	3751339	1	2.257394
rs2275822	KIAA0562	1	3751339	3	0.144909

rs1061968	AJAP1	1	4671913	7	0.915112
rs389959	AJAP1	1	4734466	1	0.963731
rs389959	AJAP1	1	4734466	5	0.796145
rs41280800	NPHP4	1	5855971	7	0.930259
rs1287637	NPHP4	1	5857749	7	1.484777
rs1287637	NPHP4	1	5857749	8	1.721133
rs3747992	NPHP4	1	5859755	3	0.872454
rs3747992	NPHP4	1	5859755	6	0.034682
rs3747992	NPHP4	1	5859755	4	2.362749
rs3747992	NPHP4	1	5859755	5	0.6942
rs3747992	NPHP4	1	5859755	7	3.658478
rs3747992	NPHP4	1	5859755	8	11.32615
rs3747990	NPHP4	1	5859914	3	0.591589
rs12120967	NPHP4	1	5887968	3	0.156201
rs3205229	KCNAB2	1	6081149	7	0.742856
rs3205229	KCNAB2	1	6081149	4	0.020627
rs3205229	KCNAB2	1	6081149	3	0.856258
rs3205229	KCNAB2	1	6081149	1	0.311402
rs3827728	CHD5	1	6084994	5	0.936373
rs3827728	CHD5	1	6084994	6	1.270992
rs3827728	CHD5	1	6084994	8	0.227351
rs3810993	CHD5	1	6085170	7	0.57242
rs3810993	CHD5	1	6085170	3	0.11855
rs3810990	CHD5	1	6085232	3	1.337288
rs11587	CHD5	1	6085728	7	0.108682
rs11587	CHD5	1	6085728	2	4.499495
rs2092507	CHD5	1	6086995	5	2.554026
rs1883768	CHD5	1	6088006	3	1.750109
rs1883768	CHD5	1	6088006	1	3.660076
SNP1-6106679	CHD5	1	6106679	8	0.422417
SNP1-6106679	CHD5	1	6106679	7	0.448981
SNP1-6106679	CHD5	1	6106679	1	1.184947
rs2250358	CHD5	1	6119456	7	5.172811
rs2250358	CHD5	1	6119456	8	0.030451
rs2250358	CHD5	1	6119456	1	0.794542
rs2250358	CHD5	1	6119456	6	1.508407
rs2273032	CHD5	1	6124832	1	3.42943
rs2273032	CHD5	1	6124832	3	0.908387
rs17436816	CHD5	1	6126748	2	3.523067
rs12074369	CHD5	1	6138323	6	0.4445
rs4908540	RNF207	1	6188683	5	0.33243
SNP1-6195793	RNF207	1	6195793	6	0.396878
rs846111	NULL	1	6201957	5	1.109897
rs846111	NULL	1	6201957	3	2.018877
rs846111	NULL	1	6201957	2	2.489437
rs1802353	ICMT	1	6207267	6	4.925378
SNP1-6236525	GPR153	1	6236525	5	0.456303

SNP1-6236525	GPR153	1	6236525	7	0.37633
SNP1-6236525	GPR153	1	6236525	4	1.0002
SNP1-6236525	GPR153	1	6236525	2	0.699331
rs11590458	GPR153	1	6237409	2	3.849214
rs11590458	GPR153	1	6237409	4	0.241895
rs11590458	GPR153	1	6237409	5	5.514804
rs11800462	TNFRSF25	1	6447088	6	1.954419
SNP1-6451055	PLEKHG5	1	6451055	8	0.258739
GA000154	PLEKHG5	1	6451775	8	6.042107
GA000154	PLEKHG5	1	6451775	6	8.352664
rs1556035	PLEKHG5	1	6502194	1	0.041026
rs1556035	PLEKHG5	1	6502194	7	0.014908
rs1010584	PLEKHG5	1	6502430	7	0.740775
rs1010584	PLEKHG5	1	6502430	1	0.485673
rs4908923	NOL9	1	6537122	2	0.392673
rs4908923	NOL9	1	6537122	1	0.567503
rs17029626	ZBTB48	1	6562703	6	1.058335
rs17029626	ZBTB48	1	6562703	4	0.081791
rs12727844	THAP3	1	6616794	3	0.776403
rs12727844	THAP3	1	6616794	7	0.814923
rs12727844	THAP3	1	6616794	1	3.226297
rs200458	DNAJC11	1	6627222	4	0.097287
rs12137794	DNAJC11	1	6628531	1	4.377498
rs1044245	CAMTA1	1	7751694	3	0.34843
rs1044245	CAMTA1	1	7751694	4	0.08396
rs17031614	PER3	1	7810192	6	5.064187
rs2640908	PER3	1	7812528	5	0.144008
rs2640908	PER3	1	7812528	2	5.539337
rs13306061	UTS2	1	7836032	3	0.559651
rs2289731	SLC45A1	1	8313475	1	1.189276
rs2289731	SLC45A1	1	8313475	8	1.254287
rs2289731	SLC45A1	1	8313475	3	1.054156
rs7535752	SLC45A1	1	8318147	1	6.462673
rs7535752	SLC45A1	1	8318147	3	0.832789
rs5840	SLC2A5	1	9019828	6	0.213875
rs5840	SLC2A5	1	9019828	2	2.863323
rs5840	SLC2A5	1	9019828	5	1.110569
rs5840	SLC2A5	1	9019828	3	0.261001
rs1063137	SLC2A5	1	9019838	5	1.204296
rs1063137	SLC2A5	1	9019838	6	0.52127
rs1063137	SLC2A5	1	9019838	3	0.474811
rs1063137	SLC2A5	1	9019838	8	1.787547
SNP1-9088272	GPR157	1	9088272	5	0.418322
SNP1-9088272	GPR157	1	9088272	3	0.174712
SNP1-9088272	GPR157	1	9088272	4	0.167992
SNP1-9088272	GPR157	1	9088272	8	4.373002
rs6688832	H6PD	1	9246497	3	0.349709

rs1294014	H6PD	1	9248263	8	3.573358
rs1294014	H6PD	1	9248263	4	1.900095
rs1294014	H6PD	1	9248263	5	0.643024
rs1294014	H6PD	1	9248263	2	4.805674
rs1294014	H6PD	1	9248263	3	0.613023
rs11121356	H6PD	1	9253066	2	7.299106
rs1135426	PIK3CD	1	9710095	7	1.002787
rs1135427	PIK3CD	1	9710427	7	1.051177
rs1135427	PIK3CD	1	9710427	8	0.893924
rs1135427	PIK3CD	1	9710427	1	0.773466
rs1135427	PIK3CD	1	9710427	2	1.200854
rs1135427	PIK3CD	1	9710427	4	1.467575
rs1135427	PIK3CD	1	9710427	3	0.90995
rs1220394	CTNNBIP1	1	9832093	3	0.719937
rs2297881	KIF1B	1	10320154	5	0.8805
SNP1-10395787	PGD	1	10395787	5	5.615436
rs649639	APITD1	1	10412872	5	1.407382
rs649639	APITD1	1	10412872	1	1.3426
rs649639	APITD1	1	10412872	6	1.45235
rs1307497	APITD1	1	10434643	6	0.22575
rs284322	CASZ1	1	10648085	6	8.546347
rs284322	CASZ1	1	10648085	4	0.945104
SNP1-10936705	C1orf127	1	10936705	3	1.503024
SNP1-10936705	C1orf127	1	10936705	7	1.186139
SNP1-10936705	C1orf127	1	10936705	6	1.053228
SNP1-10936705	C1orf127	1	10936705	2	1.691893
rs28991014	ANGPTL7	1	11177825	6	0.390171
SNP1-11483751	PTCHD2	1	11483751	5	1.456953
rs2817580	PTCHD2	1	11484180	5	0.93806
rs2594310	PTCHD2	1	11519042	5	0.545331
rs2745294	PTCHD2	1	11519499	5	1.444469
rs1063301	FBXO6	1	11656636	7	0.80131
rs1063301	FBXO6	1	11656636	5	0.180031
rs1063301	FBXO6	1	11656636	4	1.164733
rs1063301	FBXO6	1	11656636	3	0.09728
rs4845881	C1orf167	1	11750906	1	0.390856
rs4845881	C1orf167	1	11750906	5	0.59242
rs1537516	MTHFR	1	11770448	6	6.129332
rs198411	CLCN6	1	11822972	5	7.877903
rs5068	NPPA	1	11828561	6	1.693825
rs5067	NPPA	1	11828568	5	1.080513
rs5065	NPPA	1	11828655	5	1.262609
rs4846067	LOC390997	1	11862853	5	0.420124
rs6684539	RNU5E	1	11890860	7	1.465174
rs6684539	RNU5E	1	11890860	6	1.1198
rs6684539	RNU5E	1	11890860	1	0.975792
rs7551175	PLOD1	1	11932543	4	1.062118

rs2273285	PLOD1	1	11933056	4	6.18981
rs7514577	PLOD1	1	11946822	1	3.239286
rs7514577	PLOD1	1	11946822	5	0.128403
rs7514577	PLOD1	1	11946822	3	0.159054
rs7514577	PLOD1	1	11946822	4	0.037663
rs945439	TNFRSF1B	1	12171529	6	0.213683
rs945439	TNFRSF1B	1	12171529	2	1.491504
rs945439	TNFRSF1B	1	12171529	4	1.487447
rs945439	TNFRSF1B	1	12171529	8	1.690851
rs1061628	TNFRSF1B	1	12190586	8	2.609024
rs1061628	TNFRSF1B	1	12190586	4	1.687961
rs5746073	TNFRSF1B	1	12191224	3	1.702549
rs5746073	TNFRSF1B	1	12191224	1	5.0464
rs4845898	VPS13D	1	12262206	3	0.099478
rs4845898	VPS13D	1	12262206	1	7.540184
rs4845898	VPS13D	1	12262206	5	5.213334
rs2295338	VPS13D	1	12352198	8	7.483558
rs3000859	AADAACL3	1	12698931	1	2.030772
SNP1-12702205	AADAACL3	1	12702205	4	2.099899
rs11121969	AADAACL3	1	12708336	2	1.507744
rs355025	PDPN	1	13783004	3	3.012375
rs2495061	PRDM2	1	13904319	1	0.212518
rs2495061	PRDM2	1	13904319	3	0.028389
rs3795753	PRDM2	1	13904343	2	4.423692
rs3795753	PRDM2	1	13904343	1	0.634532
rs3795753	PRDM2	1	13904343	3	7.342802
rs17393663	PRDM2	1	13904402	7	0.693236
rs17393663	PRDM2	1	13904402	1	4.904305
rs1046331	PRDM2	1	14015590	2	4.126556
rs3820012	PRDM2	1	14022725	8	7.457534
rs2697962	PRDM2	1	14023579	2	5.071482
rs1055412	NULL	1	15313862	1	3.14845
rs1055412	NULL	1	15313862	7	0.311785
rs910105	NULL	1	15314513	5	0.98457
rs910105	NULL	1	15314513	1	5.402727
rs910105	NULL	1	15314513	7	0.044273
rs2235789	NULL	1	15314645	8	2.693133
rs2235789	NULL	1	15314645	5	0.30497
rs2235789	NULL	1	15314645	1	3.84175
rs1476356	C1orf126	1	15315955	5	6.072625
rs2235787	C1orf126	1	15316063	8	0.18528
rs2235787	C1orf126	1	15316063	1	5.799003
rs2235787	C1orf126	1	15316063	7	0.46491
rs2235786	C1orf126	1	15316446	5	0.160726
rs2235786	C1orf126	1	15316446	7	0.443091
rs2235786	C1orf126	1	15316446	1	4.656317
rs2235783	NULL	1	15317074	1	2.889704

rs2235783	NULL	1	15317074	7	0.289691
rs3753318	TMEM51	1	15413985	8	0.497947
rs3753318	TMEM51	1	15413985	7	1.021792
rs3753318	TMEM51	1	15413985	4	0.376223
rs3753315	TMEM51	1	15413999	8	4.735782
rs3753315	TMEM51	1	15413999	4	3.103173
rs3753315	TMEM51	1	15413999	7	3.361575
rs10489962	FHAD1	1	15512168	3	0.993213
rs3765357	FHAD1	1	15526150	6	0.227377
rs12126178	FHAD1	1	15540906	1	0.592496
rs4661330	FHAD1	1	15559646	3	1.667516
rs4661330	FHAD1	1	15559646	5	0.590645
rs4661330	FHAD1	1	15559646	6	0.115749
rs2294490	FHAD1	1	15596430	5	0.556205
rs2294490	FHAD1	1	15596430	4	0.591557
rs3820071	ELA2B	1	15681354	1	5.154461
rs3766160	ELA2B	1	15681459	1	4.761135
rs4645983	CASP9	1	15723190	1	4.333454
rs9298	DNAJC16	1	15769607	1	4.438204
rs6700212	AGMAT	1	15771843	5	0.176851
rs16851855	LOC645317	1	15803456	1	4.885599
rs16851855	LOC645317	1	15803456	8	2.474328
rs16851855	LOC645317	1	15803456	5	3.385616
rs848209	SPEN	1	16128594	7	3.871632
rs848209	SPEN	1	16128594	3	0.195976
rs848209	SPEN	1	16128594	6	6.502294
rs1763617	C1orf64	1	16203403	3	0.354202
rs872222	HSPB7	1	16217251	3	0.403403
rs945419	HSPB7	1	16217445	7	0.451846
rs1805152	CLCNKA	1	16229088	7	0.030219
SNP1-16250587	CLCNKB	1	16250587	6	0.879915
SNP1-16250587	CLCNKB	1	16250587	4	0.189997
rs5252	CLCNKB	1	16250802	6	0.559994
rs3754334	EPHA2	1	16324354	1	3.247263
rs221058	ARHGEF19	1	16407233	5	0.730015
rs221058	ARHGEF19	1	16407233	8	0.813544
rs525409	SPATA21	1	16604097	5	0.079197
rs525409	SPATA21	1	16604097	6	3.558236
rs525409	SPATA21	1	16604097	8	0.132463
rs525409	SPATA21	1	16604097	1	4.528803
rs157248	NULL	1	16690264	7	0.372418
rs157248	NULL	1	16690264	1	0.51263
rs15786	ATP13A2	1	17185179	3	0.149514
rs2235926	PADI2	1	17267868	5	6.405509
rs2235926	PADI2	1	17267868	8	6.951801
rs2235926	PADI2	1	17267868	3	0.220655
rs11581590	PADI2	1	17269179	4	7.520936

rs11203297	PADI2	1	17291611	3	0.10278
rs11203297	PADI2	1	17291611	5	0.589666
rs3750300	PADI3	1	17458721	1	2.361665
rs2272629	PADI3	1	17465903	1	4.407513
rs2293916	PADI3	1	17470242	4	0.474505
rs2293916	PADI3	1	17470242	1	3.202615
rs16824888	PADI3	1	17482332	3	0.029418
rs16824888	PADI3	1	17482332	6	0.111399
rs2977301	PADI3	1	17483189	1	5.993486
rs2977301	PADI3	1	17483189	6	1.160261
rs2977301	PADI3	1	17483189	8	1.225598
rs2977301	PADI3	1	17483189	3	1.293472
rs11203367	PADI4	1	17530203	1	0.337036
rs11203367	PADI4	1	17530203	7	0.31164
rs11203367	PADI4	1	17530203	6	0.083023
rs1748020	PADI4	1	17541196	3	0.169879
rs2240335	PADI4	1	17547124	8	0.737055
rs2240335	PADI4	1	17547124	1	2.237063
rs2240335	PADI4	1	17547124	7	0.680732
rs2240335	PADI4	1	17547124	5	0.52354
rs2526830	PADI6	1	17600706	3	1.46642
rs2526830	PADI6	1	17600706	1	1.841738
rs2526830	PADI6	1	17600706	5	0.134216
rs2526830	PADI6	1	17600706	8	0.622884
rs942457	RCC2	1	17612173	3	0.703953
rs942457	RCC2	1	17612173	8	4.756512
rs942457	RCC2	1	17612173	1	1.137725
rs942457	RCC2	1	17612173	2	0.577664
rs2270976	ARHGEF10L	1	17896277	3	1.051712
rs2270976	ARHGEF10L	1	17896277	7	0.093111
rs2270976	ARHGEF10L	1	17896277	1	5.093054
rs2296035	ACTL8	1	18022153	3	0.055588
rs1043459	IGSF21	1	18577449	3	0.21709
rs7528572	KLHDC7A	1	18680656	4	1.045281
rs7528572	KLHDC7A	1	18680656	2	2.314214
rs7528572	KLHDC7A	1	18680656	1	2.583205
rs2992753	KLHDC7A	1	18680879	1	2.756491
rs2992745	KLHDC7A	1	18682483	1	4.282732
rs2992745	KLHDC7A	1	18682483	5	0.431151
rs2992745	KLHDC7A	1	18682483	8	0.35565
rs2992745	KLHDC7A	1	18682483	3	1.370865
rs12061708	KLHDC7A	1	18682503	3	0.159474
rs12061708	KLHDC7A	1	18682503	4	1.573685
rs2076020	PAX7	1	18890992	5	0.880869
rs1140477	ALDH4A1	1	19071001	4	0.571209
rs1140477	ALDH4A1	1	19071001	1	3.475784
rs1140477	ALDH4A1	1	19071001	5	0.226308



rs1140477	ALDH4A1	1	19071001	7	0.233182
rs11740	ALDH4A1	1	19071808	6	1.603303
rs11740	ALDH4A1	1	19071808	2	1.887004
rs11740	ALDH4A1	1	19071808	1	1.123495
rs11740	ALDH4A1	1	19071808	3	0.844441
rs11740	ALDH4A1	1	19071808	4	2.134539
GA018627	ALDH4A1	1	19073575	4	4.395048
rs2230709	ALDH4A1	1	19074515	2	5.71275
rs2230709	ALDH4A1	1	19074515	5	0.380276
rs2230709	ALDH4A1	1	19074515	6	6.926505
GA018629	ALDH4A1	1	19075513	2	4.457767
GA018629	ALDH4A1	1	19075513	6	0.559996
GA018629	ALDH4A1	1	19075513	4	0.176644
GA018629	ALDH4A1	1	19075513	3	0.366604
GA018629	ALDH4A1	1	19075513	5	1.212659
rs12584	UBR4	1	19285848	5	0.032704
rs709682	KIAA0090	1	19437925	6	0.155449
rs709683	KIAA0090	1	19437931	3	0.37915
rs709683	KIAA0090	1	19437931	5	0.298282
rs709683	KIAA0090	1	19437931	2	7.700951
rs1042380	MRT04	1	19456591	5	0.411329
rs7527253	AFAR3	1	19465786	5	0.943574
rs41264079	PQLC2	1	19525461	7	0.695864
rs41264079	PQLC2	1	19525461	6	0.376372
rs1534985	C1orf151	1	19825705	3	1.399404
rs1534985	C1orf151	1	19825705	4	0.165891
rs2281237	C1orf151	1	19825752	8	0.315838
rs11804596	C1orf151	1	19825919	6	3.483369
rs11804596	C1orf151	1	19825919	1	4.802949
rs880554	C1orf151	1	19826601	4	0.771646
rs3820317	RNF186	1	20013168	5	0.32827
rs1541185	RNF186	1	20014115	2	1.613635
rs1541185	RNF186	1	20014115	1	0.547109
rs1541185	RNF186	1	20014115	6	0.175632
rs1541185	RNF186	1	20014115	5	0.204814
rs10916668	OTUD3	1	20105673	2	4.482268
rs10916668	OTUD3	1	20105673	5	0.242109
rs17401735	OTUD3	1	20109318	4	0.637468
rs17401735	OTUD3	1	20109318	3	0.794779
rs17401735	OTUD3	1	20109318	5	0.821644
rs10492999	OTUD3	1	20110347	2	0.358191
rs10492999	OTUD3	1	20110347	5	1.492299
rs3738122	OTUD3	1	20111447	5	0.172324
rs3738122	OTUD3	1	20111447	1	5.189124
rs3738122	OTUD3	1	20111447	7	0.717645
rs3738122	OTUD3	1	20111447	6	4.30606
rs3738122	OTUD3	1	20111447	3	1.239172

rs4744	PLA2G2A	1	20177513	7	1.304448
rs2020887	PLA2G5	1	20283919	3	0.140095
rs617180	PLA2G2D	1	20311900	5	0.68187
rs578459	PLA2G2D	1	20312109	3	1.783592
rs578459	PLA2G2D	1	20312109	5	0.015322
rs584367	PLA2G2D	1	20314641	3	1.062416
rs6426616	PLA2G2C	1	20363105	4	1.730022
rs1044332	C1orf166	1	20698830	1	4.921462
rs1044332	C1orf166	1	20698830	3	1.391557
rs1044332	C1orf166	1	20698830	6	6.073717
rs529974	C1orf166	1	20699497	1	4.055173
rs476622	LOC441878	1	20725782	3	0.009975
rs3795509	FAM43B	1	20753896	3	0.174209
rs3795509	FAM43B	1	20753896	6	0.264729
rs8064	PINK1	1	20850186	5	0.308284
rs8064	PINK1	1	20850186	8	5.472235
rs10799659	KIF17	1	20863492	3	0.186187
rs631357	KIF17	1	20865406	5	0.226463
rs2296225	KIF17	1	20903629	8	1.943909
rs2296225	KIF17	1	20903629	1	1.54073
rs671905	SH2D5	1	20919679	3	0.154433
rs671905	SH2D5	1	20919679	6	2.674759
rs671905	SH2D5	1	20919679	1	0.456148
rs671905	SH2D5	1	20919679	4	1.178008
rs671905	SH2D5	1	20919679	2	0.164596
rs659046	SH2D5	1	20920312	1	1.196462
rs659046	SH2D5	1	20920312	4	0.934321
rs659046	SH2D5	1	20920312	6	1.626081
rs659046	SH2D5	1	20920312	3	1.128819
rs12729575	HP1BP3	1	20948861	5	8.693596
rs6423191	LOC728969	1	21630456	2	4.800872
rs6423191	LOC728969	1	21630456	1	5.413627
rs6423191	LOC728969	1	21630456	7	5.476861
rs6423191	LOC728969	1	21630456	6	4.744007
rs6423191	LOC728969	1	21630456	4	3.896804
rs6423191	LOC728969	1	21630456	3	5.418481
rs6423191	LOC728969	1	21630456	5	3.389314
rs1827293	NBPF3	1	21667975	4	0.16101
rs1780316	ALPL	1	21762222	6	1.726337
SNP1-21776718	ALPL	1	21776718	4	0.362702
SNP1-21776718	ALPL	1	21776718	2	2.840266
SNP1-21776718	ALPL	1	21776718	5	0.391803
rs2275363	RAP1GAP	1	21813142	4	0.377325
rs2275363	RAP1GAP	1	21813142	7	1.168595
rs2275363	RAP1GAP	1	21813142	5	0.012056
rs2275363	RAP1GAP	1	21813142	3	0.259218
rs1059218	USP48	1	21878252	1	4.301936

rs1059218	USP48	1	21878252	8	0.576435
rs1059218	USP48	1	21878252	7	0.060467
rs17459097	HSPG2	1	22032607	4	0.44119
rs17459097	HSPG2	1	22032607	8	0.264971
rs2229482	HSPG2	1	22071832	3	1.370281
rs2254357	HSPG2	1	22089191	2	5.506987
rs2254357	HSPG2	1	22089191	3	0.573198
rs9187	ELA3A	1	22208892	5	0.332865
rs9187	ELA3A	1	22208892	6	1.183051
rs11580218	LOC343384	1	22522074	5	1.359592
rs11580218	LOC343384	1	22522074	4	0.675043
rs881646	ZBTB40	1	22725302	1	4.800444
rs881646	ZBTB40	1	22725302	6	7.407793
rs606002	EPHA8	1	22788340	4	4.255482
rs606002	EPHA8	1	22788340	6	2.05538
rs606002	EPHA8	1	22788340	1	0.543772
rs11584845	EPHA8	1	22788554	3	0.414885
rs999765	EPHA8	1	22796460	5	0.149388
rs172378	C1QA	1	22838025	5	2.973936
rs172378	C1QA	1	22838025	7	1.639393
rs172378	C1QA	1	22838025	2	3.268515
rs172378	C1QA	1	22838025	6	3.389995
rs9434	C1QC	1	22846884	1	1.961206
rs9434	C1QC	1	22846884	7	1.513557
rs9434	C1QC	1	22846884	3	2.015237
rs9434	C1QC	1	22846884	5	1.91704
rs16827981	LUZP1	1	23308125	5	0.171512
rs16827981	LUZP1	1	23308125	4	0.354
rs665977	C1orf213	1	23568739	7	0.415316
rs665977	C1orf213	1	23568739	3	0.093292
rs665977	C1orf213	1	23568739	2	4.015175
rs1198432	DDEF1	1	23628742	3	1.691586
SNP1-23633615	DDEF1	1	23633615	7	1.455064
rs3820028	E2F2	1	23707073	7	0.921507
rs3820028	E2F2	1	23707073	4	3.986947
rs3820028	E2F2	1	23707073	5	6.11606
rs2075993	E2F2	1	23708951	1	4.845842
rs2075993	E2F2	1	23708951	8	2.030758
rs2075993	E2F2	1	23708951	7	0.698709
rs2075993	E2F2	1	23708951	4	0.508867
rs2075993	E2F2	1	23708951	5	0.697192
rs2229583	CNR2	1	24073570	2	0.750733
rs2229583	CNR2	1	24073570	5	2.727078
rs2229583	CNR2	1	24073570	7	3.380532
rs12145360	MYOM3	1	24267398	3	0.353005
rs6424152	MYOM3	1	24285746	3	0.808143
rs7533060	MYOM3	1	24288657	8	1.07089

rs7533060	MYOM3	1	24288657	5	0.917153
rs7533060	MYOM3	1	24288657	3	0.81467
rs7533060	MYOM3	1	24288657	2	1.177427
rs4276859	MYOM3	1	24288720	3	0.516012
rs6700245	MYOM3	1	24290002	3	1.379936
rs7556176	MYOM3	1	24291355	3	0.098983
rs7556176	MYOM3	1	24291355	8	2.494904
rs6678540	MYOM3	1	24294061	1	5.423061
rs6678540	MYOM3	1	24294061	2	5.048156
rs6678540	MYOM3	1	24294061	5	3.863764
rs6678540	MYOM3	1	24294061	3	2.974855
rs3795300	IL22RA1	1	24319801	2	1.054741
rs3795300	IL22RA1	1	24319801	8	0.0573
rs3795300	IL22RA1	1	24319801	4	0.813423
rs3795300	IL22RA1	1	24319801	1	0.023202
rs17852648	IL22RA1	1	24320671	2	3.590665
rs17852648	IL22RA1	1	24320671	4	0.279085
rs16829204	IL22RA1	1	24327275	3	2.041815
rs10903022	IL22RA1	1	24337700	2	1.09917
rs10903022	IL22RA1	1	24337700	1	0.748943
rs10903022	IL22RA1	1	24337700	3	0.807881
rs10903022	IL22RA1	1	24337700	8	0.767043
rs2486668	GRHL3	1	24530650	1	6.201007
rs2486668	GRHL3	1	24530650	3	0.041802
rs11576645	GRHL3	1	24541254	5	3.803897
rs11576645	GRHL3	1	24541254	7	0.141399
rs10903080	GRHL3	1	24554228	7	0.280397
rs10903080	GRHL3	1	24554228	4	3.721804
rs10903080	GRHL3	1	24554228	8	4.889333
rs12090888	C1orf201	1	24582992	4	1.265592
rs9259	CLIC4	1	25040711	3	0.323978
rs9259	CLIC4	1	25040711	1	4.033238
rs9259	CLIC4	1	25040711	4	0.144786
rs3093647	TMEM50A	1	25542118	1	3.641243
rs4537542	LDLRAP1	1	25767864	8	9.122631
rs760597	SEPN1	1	26010849	6	6.398651
rs2294226	LOC646471	1	26019036	2	1.144683
rs2294226	LOC646471	1	26019036	8	1.853514
rs2294226	LOC646471	1	26019036	7	2.074406
rs2294226	LOC646471	1	26019036	1	0.88679
rs2294226	LOC646471	1	26019036	4	1.112406
rs2294224	LOC646471	1	26019101	1	0.45996
rs2294224	LOC646471	1	26019101	6	0.625411
rs2294224	LOC646471	1	26019101	4	6.961708
rs2294224	LOC646471	1	26019101	7	6.621912
rs2294224	LOC646471	1	26019101	2	0.187701
rs213637	PAQR7	1	26061212	6	0.15154

rs213637	PAQR7	1	26061212	4	0.453246
rs213637	PAQR7	1	26061212	1	0.581427
rs213637	PAQR7	1	26061212	7	2.831385
rs159530	C1orf215	1	26083378	1	0.573475
rs159530	C1orf215	1	26083378	4	3.063982
rs159530	C1orf215	1	26083378	2	0.292722
rs159530	C1orf215	1	26083378	7	0.456064
rs213641	STMN1	1	26104943	2	0.140312
rs213641	STMN1	1	26104943	5	0.468116
rs213641	STMN1	1	26104943	4	3.033931
rs213641	STMN1	1	26104943	6	0.132936
rs213641	STMN1	1	26104943	1	0.232891
rs3008245	EXTL1	1	26221061	8	0.97319
rs11247847	EXTL1	1	26230243	5	0.127402
rs11247847	EXTL1	1	26230243	7	0.350054
rs11247848	EXTL1	1	26230254	5	0.49013
rs2802315	EXTL1	1	26234781	5	0.277729
rs2802315	EXTL1	1	26234781	4	0.074118
rs4659404	SLC30A2	1	26237961	7	0.210442
rs2997452	SLC30A2	1	26238136	5	0.207254
rs2997452	SLC30A2	1	26238136	7	0.985606
rs3748854	GRRP1	1	26358104	3	0.604923
rs3748854	GRRP1	1	26358104	4	0.173374
rs12069762	GRRP1	1	26361534	5	1.382436
rs17356937	CNKSR1	1	26376623	5	0.302722
rs1071849	CD52	1	26519313	1	4.65024
rs1071849	CD52	1	26519313	3	3.214513
rs1071849	CD52	1	26519313	4	2.471542
rs17645	CD52	1	26519317	1	3.327119
rs17645	CD52	1	26519317	4	1.97971
rs17645	CD52	1	26519317	3	2.603806
rs17163868	AIM1L	1	26520968	1	4.437014
rs17163868	AIM1L	1	26520968	4	2.022873
rs17163868	AIM1L	1	26520968	3	2.821222
rs10794531	ZNF683	1	26566832	3	1.235921
rs10794531	ZNF683	1	26566832	1	0.94131
rs10794532	ZNF683	1	26566847	1	0.202123
rs10794532	ZNF683	1	26566847	5	0.714026
rs9438623	LIN28	1	26628506	7	4.665754
rs9438623	LIN28	1	26628506	4	3.658919
rs9438623	LIN28	1	26628506	1	5.118013
rs11247957	LIN28	1	26628761	2	0.387646
rs11247957	LIN28	1	26628761	1	0.303578
rs6697410	LIN28	1	26628796	7	0.026151
rs6697410	LIN28	1	26628796	4	0.143009
rs6697410	LIN28	1	26628796	3	0.083288
rs6697410	LIN28	1	26628796	1	2.64068

rs11542704	SFN	1	27062911	1	2.565048
rs3170660	ATPBD1B	1	27083308	7	10.78333
rs3170660	ATPBD1B	1	27083308	2	3.604881
rs3170660	ATPBD1B	1	27083308	5	0.207062
rs3170660	ATPBD1B	1	27083308	8	6.955216
rs7504	NROB2	1	27110737	7	0.508645
rs7504	NROB2	1	27110737	6	1.051098
rs7504	NROB2	1	27110737	5	1.327581
rs11538549	NUDC	1	27120870	6	6.258045
rs11538549	NUDC	1	27120870	8	6.65019
rs7866	NUDC	1	27145431	5	0.027335
rs3010109	C1orf172	1	27151140	3	0.069211
rs3010109	C1orf172	1	27151140	4	7.108195
rs3813795	SYTL1	1	27552384	4	0.376327
rs3813795	SYTL1	1	27552384	7	0.153555
SNP1-27560053	MAP3K6	1	27560053	7	0.150709
SNP1-27560053	MAP3K6	1	27560053	2	0.064834
SNP1-27560053	MAP3K6	1	27560053	3	0.384521
SNP1-27560053	MAP3K6	1	27560053	6	6.607217
SNP1-27560053	MAP3K6	1	27560053	1	0.221775
rs2076457	AHDC1	1	27749069	7	0.090752
rs6564	C1orf38	1	28085562	7	0.45083
rs6565	C1orf38	1	28085744	7	0.320575
rs6565	C1orf38	1	28085744	5	0.350218
rs6565	C1orf38	1	28085744	1	3.463156
rs6565	C1orf38	1	28085744	6	1.634245
rs3813804	SMPDL3B	1	28154793	1	0.666363
rs3813804	SMPDL3B	1	28154793	5	0.885134
rs3813804	SMPDL3B	1	28154793	2	0.089334
rs4654327	OPRD1	1	29062725	5	0.221213
rs2249138	EPB41	1	29316310	3	0.412353
rs9578	EPB41	1	29318185	5	0.546254
rs2452788	TMEM200B	1	29319398	2	6.114068
rs2452788	TMEM200B	1	29319398	3	0.594348
rs2230677	SFRS4	1	29347981	3	0.096491
rs2640464	MECR	1	29392365	3	0.180493
rs17363069	MECR	1	29392611	8	5.885454
rs17363069	MECR	1	29392611	4	5.050363
rs17363069	MECR	1	29392611	6	6.801532
rs17363069	MECR	1	29392611	1	4.732076
rs1128400	MECR	1	29415224	3	1.031024
rs1746059	MATN1	1	30958974	2	4.755999
rs1746059	MATN1	1	30958974	5	0.190444
rs8048	LAPTM5	1	30978383	4	0.128599
rs8048	LAPTM5	1	30978383	5	0.523479
rs8048	LAPTM5	1	30978383	3	4.520064
rs8048	LAPTM5	1	30978383	2	5.708769

rs1050663	LAPTM5	1	30987951	3	1.575455
rs41269523	SDC3	1	31122570	1	6.360687
rs12760571	PUM1	1	31177991	7	5.348262
rs2275741	PUM1	1	31199402	5	0.284124
rs2275741	PUM1	1	31199402	2	1.610871
rs2275741	PUM1	1	31199402	4	0.103091
rs1056526	HCRTR1	1	31857491	6	1.883762
rs2271928	COL16A1	1	31900540	7	0.438326
rs2271928	COL16A1	1	31900540	3	1.142645
rs2271928	COL16A1	1	31900540	4	0.670548
rs10914468	COL16A1	1	31936793	8	5.868111
rs13426	SPOCD1	1	32028673	7	0.348693
rs12117510	KPNA6	1	32410006	5	0.137747
rs704885	ZBTB8	1	32839178	5	3.77706
rs704885	ZBTB8	1	32839178	1	3.665786
rs12567940	ZBTB8	1	32840089	5	0.354631
rs422215	ZBTB8	1	32841341	1	2.857209
rs422215	ZBTB8	1	32841341	7	1.213866
rs422215	ZBTB8	1	32841341	3	1.506286
rs12136921	ZBTB8	1	32843365	1	4.582568
rs3753603	ZBTB8OS	1	32860024	2	0.328817
rs3753603	ZBTB8OS	1	32860024	7	2.938335
rs3753603	ZBTB8OS	1	32860024	6	3.319299
rs3753603	ZBTB8OS	1	32860024	4	4.843534
rs3753603	ZBTB8OS	1	32860024	3	4.080917
rs3753603	ZBTB8OS	1	32860024	1	4.372987
rs699005	YARS	1	33018389	2	0.006748
rs699005	YARS	1	33018389	1	0.143598
rs699005	YARS	1	33018389	7	6.605591
rs1284365	S100PBP	1	33096675	3	0.08423
rs1284365	S100PBP	1	33096675	6	0.325552
rs1284365	S100PBP	1	33096675	5	0.048457
rs3480	FNDC5	1	33100752	4	0.450421
rs3480	FNDC5	1	33100752	2	1.418608
rs3480	FNDC5	1	33100752	7	0.460184
rs3480	FNDC5	1	33100752	3	0.515025
rs3480	FNDC5	1	33100752	5	0.230596
rs622407	TRIM62	1	33419537	7	0.610993
rs11061	PHC2	1	33562257	6	1.499969
rs11554674	PHC2	1	33563083	6	0.406215
rs12026290	PHC2	1	33592721	6	0.536588
rs16835507	ZSCAN20	1	33717779	6	3.027315
rs16835507	ZSCAN20	1	33717779	1	0.359321
rs16835507	ZSCAN20	1	33717779	4	0.734034
rs16835507	ZSCAN20	1	33717779	2	0.633807
rs705207	C1orf94	1	34457050	2	3.161326
rs6698707	C1orf94	1	34457164	5	4.239222

rs6698707	C1orf94	1	34457164	6	2.978502
rs6698707	C1orf94	1	34457164	3	2.755697
rs6698707	C1orf94	1	34457164	2	3.208771
rs6698707	C1orf94	1	34457164	7	2.978529
rs6698707	C1orf94	1	34457164	4	3.462195
rs705193	GJA4	1	35033819	1	2.25993
rs705193	GJA4	1	35033819	8	4.563261
rs705193	GJA4	1	35033819	2	2.724315
rs705193	GJA4	1	35033819	3	0.426331
rs34924462	ZMYM4	1	35619619	1	3.821994
rs3795501	C1orf216	1	35953559	4	0.397859
SNP1-35975172	CLSPN	1	35975172	6	0.008366
SNP1-35975172	CLSPN	1	35975172	8	0.244606
rs399393	TEKT2	1	36326260	4	0.619987
rs399393	TEKT2	1	36326260	8	0.810253
rs399393	TEKT2	1	36326260	6	0.250228
rs1007028	COL8A2	1	36334671	6	0.678885
rs17442970	C1orf102	1	36660400	2	6.116589
rs16822954	C1orf102	1	36661592	8	1.009115
SNP1-36670654	C1orf102	1	36670654	4	0.234606
SNP1-36670654	C1orf102	1	36670654	3	6.565741
SNP1-36670654	C1orf102	1	36670654	5	0.432014
rs3917981	CSF3R	1	36709646	3	0.168745
rs3917981	CSF3R	1	36709646	6	0.573685
rs6691840	GRIK3	1	37098064	4	0.297382
rs6691840	GRIK3	1	37098064	3	0.464187
rs2273013	SNIP1	1	37792334	3	0.067275
rs2273013	SNIP1	1	37792334	6	0.31634
rs3856137	DNALI1	1	37804559	1	5.528386
rs4652964	RSPO1	1	37850887	8	0.080415
rs4652964	RSPO1	1	37850887	4	0.539918
rs4652964	RSPO1	1	37850887	7	1.589048
SNP1-37852104	RSPO1	1	37852104	1	0.542566
rs6670599	EPHA10	1	37958310	7	1.042987
rs12726343	EPHA10	1	37958793	3	0.612586
rs12726343	EPHA10	1	37958793	7	0.718388
rs12405650	EPHA10	1	37961327	7	2.01059
rs12405650	EPHA10	1	37961327	3	2.368261
rs17464871	EPHA10	1	37961355	7	1.34097
rs17464871	EPHA10	1	37961355	3	0.520647
rs17511304	EPHA10	1	37961374	7	0.416695
rs17511304	EPHA10	1	37961374	3	1.375278
rs12751325	MTF1	1	38061970	7	3.780297
rs12751325	MTF1	1	38061970	3	0.39863
rs11210870	SF3A3	1	38222497	3	0.608744
rs11210870	SF3A3	1	38222497	6	1.825232
rs783824	KIAA0754	1	39653352	3	4.208066



rs653064	KIAA0754	1	39654588	2	4.975283
rs668556	MACF1	1	39686950	8	7.459939
rs668556	MACF1	1	39686950	2	9.40465
rs668556	MACF1	1	39686950	5	0.366718
rs668556	MACF1	1	39686950	4	0.529247
rs668556	MACF1	1	39686950	1	0.004274
rs668556	MACF1	1	39686950	3	0.257948
rs1746838	MACF1	1	39690475	3	0.545539
rs3738676	BMP8A	1	39764175	1	4.533489
rs1180341	BMP8A	1	39765395	3	0.412638
rs1180341	BMP8A	1	39765395	7	1.616338
rs1180341	BMP8A	1	39765395	4	2.133974
rs1180341	BMP8A	1	39765395	1	1.738612
rs1180343	LOC728448	1	39766019	7	0.453408
rs1180343	LOC728448	1	39766019	3	0.342377
rs1180343	LOC728448	1	39766019	1	2.241439
rs1180343	LOC728448	1	39766019	5	1.350587
rs1180343	LOC728448	1	39766019	2	1.341449
rs1180343	LOC728448	1	39766019	4	2.563976
rs10839	HPCAL4	1	39917405	1	0.71521
rs562056	BMP8B	1	39998208	7	0.648703
rs562056	BMP8B	1	39998208	5	4.851479
rs3845570	TRIT1	1	40121718	7	2.147236
rs3845570	TRIT1	1	40121718	3	1.657634
rs3845570	TRIT1	1	40121718	1	0.309977
rs3845570	TRIT1	1	40121718	2	2.371736
rs41312030	SMAP2	1	40655334	8	0.229725
SNP1-40753413	C1orf176	1	40753413	6	0.012189
rs17412556	RIMS3	1	40861164	7	0.382388
rs17412556	RIMS3	1	40861164	4	0.28942
rs7520333	RIMS3	1	40862837	6	2.111953
rs570671	RIMS3	1	40863714	1	5.291016
rs570671	RIMS3	1	40863714	7	1.118049
rs570671	RIMS3	1	40863714	6	5.894268
rs679663	RIMS3	1	40864605	4	5.642114
rs679663	RIMS3	1	40864605	7	5.138616
rs4660468	KCNQ4	1	41057674	8	0.527311
rs4660468	KCNQ4	1	41057674	7	0.154298
rs4660468	KCNQ4	1	41057674	3	0.708032
rs11577910	CTPS	1	41250031	8	4.110719
rs12121539	SLFN1	1	41253874	8	0.890155
rs1138293	SLFN1	1	41258832	5	0.704674
rs3738369	SLFN1	1	41258995	3	1.3709
rs3738369	SLFN1	1	41258995	5	1.115001
rs17357954	SLFN1	1	41259924	4	0.493273
rs17357954	SLFN1	1	41259924	5	2.355496
rs17357954	SLFN1	1	41259924	8	2.006853

rs17357954	SLFNL1	1	41259924	2	1.949932
rs17357954	SLFNL1	1	41259924	7	1.556447
rs17357954	SLFNL1	1	41259924	6	1.320273
rs11809423	HIVEP3	1	41749116	5	0.173472
rs17363472	HIVEP3	1	41819795	5	0.03257
rs12049046	RP4-692D3.1	1	42815290	4	0.448284
rs12049046	RP4-692D3.1	1	42815290	5	0.431186
rs12037518	RP4-692D3.1	1	42819644	4	0.615913
rs12037518	RP4-692D3.1	1	42819644	5	0.410665
rs12036818	RP4-692D3.1	1	42880775	4	1.123324
rs7556478	PPIH	1	42904240	4	0.484474
rs912075	CLDN19	1	42973113	7	1.09677
rs912075	CLDN19	1	42973113	5	2.221485
rs12124733	ERMAP	1	43068705	4	11.53704
rs12124733	ERMAP	1	43068705	5	5.706233
rs33950227	ERMAP	1	43068760	4	3.972189
rs33950227	ERMAP	1	43068760	7	0.702188
rs33950227	ERMAP	1	43068760	3	0.831731
rs33950227	ERMAP	1	43068760	2	4.623078
rs33953680	ERMAP	1	43068782	2	1.383597
rs33953680	ERMAP	1	43068782	1	0.802484
rs33953680	ERMAP	1	43068782	3	0.346535
rs33953680	ERMAP	1	43068782	7	1.072848
rs33953680	ERMAP	1	43068782	4	0.554475
rs12406279	ERMAP	1	43083226	7	0.366278
rs12406279	ERMAP	1	43083226	3	4.239523
rs4658	SLC2A1	1	43164837	2	0.956421
rs12074551	hCG_23177	1	43391183	4	1.905677
rs12074551	hCG_23177	1	43391183	1	3.824121
rs7163	EBNA1BP2	1	43405123	1	2.923609
rs7163	EBNA1BP2	1	43405123	4	9.724656
rs1049276	EBNA1BP2	1	43409071	1	4.467573
rs1049276	EBNA1BP2	1	43409071	4	0.013284
rs1782386	WDR65	1	43410997	1	3.751784
rs1782386	WDR65	1	43410997	4	0.466329
rs663824	WDR65	1	43422095	2	1.045367
rs663824	WDR65	1	43422095	1	0.198403
rs663824	WDR65	1	43422095	4	0.698072
rs603123	WDR65	1	43436805	2	1.004712
rs603123	WDR65	1	43436805	1	1.412263
rs603123	WDR65	1	43436805	4	0.724606
rs3120276	TIE1	1	43552151	6	1.819485
rs839753	C1orf84	1	43628165	5	0.028848
rs839753	C1orf84	1	43628165	1	0.08751
rs839753	C1orf84	1	43628165	3	0.842892
rs839753	C1orf84	1	43628165	2	0.826624
rs839769	C1orf84	1	43644654	3	1.149827

rs839769	C1orf84	1	43644654	5	1.007536
rs839769	C1orf84	1	43644654	4	0.655269
rs839769	C1orf84	1	43644654	8	3.195248
rs2027130	KIAA0467	1	43679483	6	2.567478
rs2027130	KIAA0467	1	43679483	3	2.127124
rs2027130	KIAA0467	1	43679483	8	2.289183
rs2027130	KIAA0467	1	43679483	4	1.861208
rs2027130	KIAA0467	1	43679483	2	3.940434
rs2027130	KIAA0467	1	43679483	5	3.509795
rs2251804	KIAA0467	1	43689996	4	1.69544
rs2251804	KIAA0467	1	43689996	5	0.770705
rs2251804	KIAA0467	1	43689996	8	0.319269
rs2251804	KIAA0467	1	43689996	6	4.550918
rs2251804	KIAA0467	1	43689996	3	1.145759
rs3828151	PTPRF	1	43830852	5	0.054348
rs3828151	PTPRF	1	43830852	3	0.444299
rs3828151	PTPRF	1	43830852	1	4.818313
rs631248	PTPRF	1	43843808	8	0.375683
rs631248	PTPRF	1	43843808	7	0.615764
rs641365	PTPRF	1	43856094	1	5.127435
rs641365	PTPRF	1	43856094	7	7.400176
rs6801	ST3GAL3	1	44169233	7	0.060703
rs6801	ST3GAL3	1	44169233	1	7.072994
rs6801	ST3GAL3	1	44169233	5	0.048369
rs6801	ST3GAL3	1	44169233	4	0.508904
rs2242637	ARTN	1	44173971	1	4.294118
rs2242637	ARTN	1	44173971	4	0.511481
rs17402858	IPO13	1	44195209	5	5.546314
rs17402858	IPO13	1	44195209	1	5.716583
rs2286241	ATP6V0B	1	44213356	3	0.547416
rs2248253	SLC6A9	1	44235757	1	2.486041
rs2248829	SLC6A9	1	44240822	1	4.438311
rs2485652	KLF17	1	44367997	2	0.891492
rs2485652	KLF17	1	44367997	5	0.529936
rs2485652	KLF17	1	44367997	1	0.427298
rs3795713	KIF2C	1	44991482	6	0.731542
rs11584031	LOC149478	1	45052303	4	0.016998
rs11573587	PTCH2	1	45065905	3	1.505182
rs7525308	PTCH2	1	45066105	4	0.31315
rs7525308	PTCH2	1	45066105	2	0.804839
rs11556200	EIF2B3	1	45216625	6	0.150347
rs489676	EIF2B3	1	45224814	4	0.838254
rs489676	EIF2B3	1	45224814	2	3.945566
rs8681	HECTD3	1	45241193	2	3.891304
rs41312020	HECTD3	1	45242173	6	4.541919
rs7551698	ZSWIM5	1	45277307	2	4.165871
rs7551698	ZSWIM5	1	45277307	6	0.154354

rs3893383	TESK2	1	45583510	4	6.555062
rs6429567	TESK2	1	45729287	2	1.620362
rs3790583	TESK2	1	45729415	7	0.182204
rs11580609	MMACHC	1	45748443	2	2.964621
rs11580609	MMACHC	1	45748443	4	0.147815
rs11580609	MMACHC	1	45748443	6	4.35671
rs7903	MMACHC	1	45749059	6	0.254693
rs7903	MMACHC	1	45749059	7	0.098625
rs2230658	NASP	1	45851441	7	0.177164
rs2230658	NASP	1	45851441	4	0.621533
rs2275085	CCDC17	1	45858439	4	5.511727
rs3014246	CCDC17	1	45858664	2	5.412353
rs3014246	CCDC17	1	45858664	4	0.311896
rs3014242	CCDC17	1	45860164	7	0.42419
rs3014242	CCDC17	1	45860164	4	0.707455
rs3811436	GPBP1L1	1	45898467	7	0.805986
rs3811436	GPBP1L1	1	45898467	4	0.532318
rs10749856	IPP	1	45937433	2	2.135365
rs10749856	IPP	1	45937433	7	1.252677
rs10749856	IPP	1	45937433	4	1.276873
rs1707336	MAST2	1	46266047	4	5.485677
rs1707336	MAST2	1	46266047	1	0.435266
rs1707336	MAST2	1	46266047	2	2.331646
rs1707337	PIK3R3	1	46281356	7	0.613587
rs1707337	PIK3R3	1	46281356	2	3.697848
rs1707337	PIK3R3	1	46281356	4	2.76008
rs1707303	PIK3R3	1	46370860	7	0.514932
rs1707303	PIK3R3	1	46370860	4	0.488974
rs41292543	UQCRH	1	46547370	4	4.994781
rs41292543	UQCRH	1	46547370	6	6.046794
rs17361749	NSUN4	1	46579067	2	2.510209
rs17361749	NSUN4	1	46579067	7	2.085443
rs17361749	NSUN4	1	46579067	3	2.941777
rs17361749	NSUN4	1	46579067	1	2.233062
rs17361749	NSUN4	1	46579067	5	2.398992
rs324420	FAAH	1	46643348	5	0.128476
rs547581	LOC729041	1	46683479	1	0.24933
rs547581	LOC729041	1	46683479	8	1.176955
rs547581	LOC729041	1	46683479	7	4.592309
rs547581	LOC729041	1	46683479	6	0.373328
rs1258036	KNCN	1	46784274	3	0.821995
rs1258036	KNCN	1	46784274	5	0.812487
rs885127	KNCN	1	46784731	1	5.707445
rs10890404	KNCN	1	46785767	2	4.066649
rs10890404	KNCN	1	46785767	1	1.06761
rs10890404	KNCN	1	46785767	3	1.508557
rs8602	MKNK1	1	46796118	8	6.602133

rs8602	MKNK1	1	46796118	2	7.002494
rs6671527	MOBKL2C	1	46853266	4	1.02318
rs6671527	MOBKL2C	1	46853266	3	0.934012
rs6671527	MOBKL2C	1	46853266	5	0.590914
rs6671527	MOBKL2C	1	46853266	1	2.772972
SNP1-46853328	MOBKL2C	1	46853328	2	3.86408
SNP1-46853328	MOBKL2C	1	46853328	8	0.888454
rs4646487	CYP4B1	1	47051762	3	0.4979
rs2297810	CYP4B1	1	47053446	6	5.708931
rs4646491	CYP4B1	1	47053471	6	2.937243
rs2056900	CYP4A22	1	47380372	5	0.93603
rs2056900	CYP4A22	1	47380372	3	0.931759
rs2056900	CYP4A22	1	47380372	4	0.173117
rs10789501	CYP4A22	1	47382076	4	1.380006
rs10789501	CYP4A22	1	47382076	2	1.628647
rs10789501	CYP4A22	1	47382076	5	0.478102
rs10789501	CYP4A22	1	47382076	3	1.07034
rs2070929	TAL1	1	47456194	1	0.478388
rs977747	TAL1	1	47457264	3	0.278439
rs3125630	STIL	1	47540501	5	0.079899
rs3125630	STIL	1	47540501	3	0.370721
rs3814006	LOC388630	1	48232494	4	0.86555
rs3814006	LOC388630	1	48232494	6	4.800604
rs3814006	LOC388630	1	48232494	8	4.514445
rs6679038	LOC388630	1	48236131	1	1.51198
rs6679038	LOC388630	1	48236131	4	1.462962
rs10788882	LOC391037	1	48403025	3	0.705516
rs10788882	LOC391037	1	48403025	4	0.056429
rs10788882	LOC391037	1	48403025	6	0.490942
rs7539694	AGBL4	1	48822262	7	0.754958
rs2480683	ELAVL4	1	50433998	4	1.737044
rs3176451	CDKN2C	1	51207191	1	0.222488
rs7512076	TXNDC12	1	52258692	3	0.930017
rs2809918	KTI12	1	52270700	1	4.975935
SNP1-52476079	ZFYVE9	1	52476079	3	0.290807
rs17364363	CC2D1B	1	52589547	3	1.321762
rs11555349	CC2D1B	1	52600972	3	0.477621
rs3087471	ORC1L	1	52611210	8	2.04576
rs17107416	ZYG11B	1	53061872	5	0.261431
rs480299	ZYG11A	1	53092862	5	0.44385
rs480299	ZYG11A	1	53092862	1	0.880719
rs480299	ZYG11A	1	53092862	8	0.12343
rs480299	ZYG11A	1	53092862	3	0.985799
rs7552139	ECHDC2	1	53159967	2	2.087802
rs7552139	ECHDC2	1	53159967	3	0.268661
rs7552139	ECHDC2	1	53159967	7	0.291603
rs7552139	ECHDC2	1	53159967	6	0.536966

rs7552139	ECHDC2	1	53159967	4	4.086984
rs7552139	ECHDC2	1	53159967	8	5.348169
rs11581638	SCP2	1	53232278	6	2.873616
rs10493171	LOC653511	1	53233852	6	0.690531
rs1288386	PODN	1	53308066	2	0.742841
rs1288389	PODN	1	53317185	1	0.866377
rs1288389	PODN	1	53317185	5	2.020881
rs2282340	PODN	1	53323653	5	0.498085
rs1288399	SLC1A7	1	53326073	1	0.717274
rs1288401	SLC1A7	1	53326342	1	0.836261
rs2297660	LRP8	1	53504903	1	0.781618
rs2297660	LRP8	1	53504903	2	1.267026
rs2297660	LRP8	1	53504903	8	0.016781
rs2297660	LRP8	1	53504903	4	1.005305
rs2297660	LRP8	1	53504903	6	1.915528
rs2297660	LRP8	1	53504903	3	0.97644
rs3820198	LRP8	1	53565239	5	2.631756
rs3820198	LRP8	1	53565239	8	0.770476
rs3820198	LRP8	1	53565239	4	1.231192
rs3820198	LRP8	1	53565239	7	3.707539
SNP1-53566099	LRP8	1	53566099	4	0.463256
SNP1-53566099	LRP8	1	53566099	7	0.208743
SNP1-53566099	LRP8	1	53566099	6	0.074806
SNP1-53566099	LRP8	1	53566099	5	1.064668
rs2296759	GLIS1	1	53744720	5	1.186244
rs3817871	YIPF1	1	54127523	1	2.977159
rs11206244	DIO1	1	54148289	2	1.672791
rs11206244	DIO1	1	54148289	1	1.151791
rs11206244	DIO1	1	54148289	7	1.016289
rs11206244	DIO1	1	54148289	5	0.325403
rs11206244	DIO1	1	54148289	3	0.320513
rs12096978	CDCP2	1	54391694	3	0.184201
rs7519887	CDCP2	1	54391992	1	1.356248
rs13571	MRPL37	1	54454508	6	6.119067
rs13571	MRPL37	1	54454508	3	0.064824
rs1617287	ACOT11	1	54847428	4	0.686686
rs1617287	ACOT11	1	54847428	2	5.022225
SNP1-54891732	C1orf175	1	54891732	1	0.621315
SNP1-54891732	C1orf175	1	54891732	3	1.346553
rs1655519	C1orf175	1	54892103	7	0.600922
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rs1655519	C1orf175	1	54892103	6	4.291472
rs1655519	C1orf175	1	54892103	3	0.306555
rs17399810	C1orf175	1	54892122	2	5.587837
rs17399810	C1orf175	1	54892122	6	3.523927
rs17399810	C1orf175	1	54892122	5	0.366933

rs17399810	C1orf175	1	54892122	7	0.834711
rs480963	C1orf175	1	54909117	3	0.087775
rs480963	C1orf175	1	54909117	1	3.216012
rs480963	C1orf175	1	54909117	5	0.390437
rs480963	C1orf175	1	54909117	7	3.922298
rs570218	C1orf175	1	54912329	7	0.137964
rs1065173	C1orf175	1	54939430	4	1.13863
rs1065173	C1orf175	1	54939430	7	0.924702
rs646356	C1orf175	1	54940361	1	2.888674
rs1147990	TTC4	1	54954888	2	6.528225
rs1147990	TTC4	1	54954888	5	4.9053
rs13046	TTC4	1	54980342	5	0.154388
rs13046	TTC4	1	54980342	2	5.22548
rs11577368	PARS2	1	54997339	7	0.025988
rs11577368	PARS2	1	54997339	2	3.571238
rs2286202	TTC22	1	55023272	5	1.309479
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rs2286202	TTC22	1	55023272	8	3.082915
rs1147984	TTC22	1	55039433	6	0.143174
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rs1147984	TTC22	1	55039433	8	2.24596
rs1147984	TTC22	1	55039433	4	0.108963
rs757581	C1orf177	1	55044362	1	0.755316
rs9782980	C1orf177	1	55046168	8	2.77663
rs9782980	C1orf177	1	55046168	1	4.19961
rs9782980	C1orf177	1	55046168	6	0.874268
rs9782980	C1orf177	1	55046168	4	1.500581
rs17111100	C1orf177	1	55080281	7	0.345868
rs17111100	C1orf177	1	55080281	8	0.71639
rs6682884	BSND	1	55246913	3	1.442941
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rs11583680	PCSK9	1	55278256	3	0.635224
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rs540796	PCSK9	1	55296785	4	0.976235
rs540796	PCSK9	1	55296785	5	0.604964
rs540796	PCSK9	1	55296785	3	1.733644
rs540796	PCSK9	1	55296785	7	1.462534
rs562556	PCSK9	1	55296825	7	0.978715
rs562556	PCSK9	1	55296825	5	0.213787
rs562556	PCSK9	1	55296825	3	1.227362
rs562556	PCSK9	1	55296825	4	0.263422
rs13312	USP24	1	55305330	3	0.392315
rs13312	USP24	1	55305330	7	7.928065
rs13312	USP24	1	55305330	4	0.284103
rs1165222	USP24	1	55410663	3	0.935321
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rs1165222	USP24	1	55410663	4	0.020219

rs1165222	USP24	1	55410663	7	0.880847
rs17131774	LOC729423	1	58286678	1	1.639902
rs1109896	OMA1	1	58784992	5	1.030438
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rs1109895	OMA1	1	58785019	5	0.601158
rs17118103	MYSM1	1	58920706	1	0.183872
rs2280274	CYP2J2	1	60131665	2	4.945823
rs11572191	CYP2J2	1	60164859	3	0.176539
rs626251	C1orf87	1	60239402	6	2.897085
rs12737449	C1orf87	1	60278371	5	0.291962
rs12737449	C1orf87	1	60278371	3	0.456324
rs12737449	C1orf87	1	60278371	6	1.381042
rs12737449	C1orf87	1	60278371	4	0.6872
rs10493277	C1orf87	1	60279332	3	0.050364
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rs2498982	INADL	1	62289271	6	0.084378
rs2498982	INADL	1	62289271	5	10.83455
rs2457829	L1TD1	1	62445134	2	2.695712
rs7542665	L1TD1	1	62445625	3	1.422716
rs7533274	L1TD1	1	62445813	3	0.570031
rs7533274	L1TD1	1	62445813	4	0.047772
rs4625314	L1TD1	1	62448207	1	4.743898
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rs1056517	L1TD1	1	62449636	7	0.33029
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rs17123220	ANKRD38	1	62476274	1	5.886107
rs2941679	ANKRD38	1	62485812	5	0.703788
rs2666472	ANKRD38	1	62501372	3	0.154686
rs2666472	ANKRD38	1	62501372	5	1.087766
rs2666472	ANKRD38	1	62501372	7	0.267532
rs2666472	ANKRD38	1	62501372	4	0.841652
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rs2260581	ANKRD38	1	62501449	6	1.763027
rs2260581	ANKRD38	1	62501449	4	2.455048
rs2262110	ANKRD38	1	62501506	4	2.91631
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rs2262110	ANKRD38	1	62501506	5	0.78095
rs2262110	ANKRD38	1	62501506	7	0.559788
rs2262110	ANKRD38	1	62501506	3	0.733875
rs12127930	ANKRD38	1	62512653	7	2.347789
rs2666507	ANKRD38	1	62513037	5	0.845015
rs2666507	ANKRD38	1	62513037	7	0.504326
rs11208084	LOC199897	1	63239010	6	2.599176
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rs3828064	CACHD1	1	64919590	7	1.240036
rs2230587	JAK1	1	65083850	3	0.106236
rs2230587	JAK1	1	65083850	2	5.105156
rs4582839	DNAJC6	1	65633275	8	4.320283
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rs4582839	DNAJC6	1	65633275	5	5.188186
rs4915691	DNAJC6	1	65640107	3	0.762272
rs8179183	LEPR	1	65848540	2	4.61974
rs17415296	LEPR	1	65871601	2	4.056121
SNP1-65872910	LEPR	1	65872910	3	0.25124
rs1805096	LEPR	1	65874845	5	0.187612
rs1805096	LEPR	1	65874845	2	6.589531
rs1805096	LEPR	1	65874845	4	3.024048
rs1805096	LEPR	1	65874845	7	1.24065
SNP1-65875343	LEPR	1	65875343	3	0.161287
SNP1-65875343	LEPR	1	65875343	2	4.260604
rs2270866	LOC645227	1	66280856	4	0.565724
rs783036	PDE4B	1	66603958	7	0.105046
rs783036	PDE4B	1	66603958	5	3.154798
rs783036	PDE4B	1	66603958	1	6.31536
rs1886686	WDR78	1	67163056	1	0.45592
rs1886686	WDR78	1	67163056	3	4.34887
rs1495963	IL12RB2	1	67567907	6	0.737615
rs2307145	IL12RB2	1	67606115	7	0.26654
rs4297265	IL12RB2	1	67624923	3	1.177535
rs4297265	IL12RB2	1	67624923	6	0.195753
rs4297265	IL12RB2	1	67624923	7	1.333853
rs2229546	IL12RB2	1	67634108	6	0.214458
rs2229546	IL12RB2	1	67634108	2	2.662135
rs1046852	GPR177	1	68363692	1	4.180219
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rs17130529	GPR177	1	68386908	1	0.32079
rs17130529	GPR177	1	68386908	2	1.833297
rs2820489	LOC645291	1	68401128	6	1.996012
rs505292	LOC391048	1	70769740	7	0.766919
rs5682	PTGER3	1	71249460	2	1.884771
rs5680	PTGER3	1	71249903	3	0.201937
rs11583800	ZRANB2	1	71309162	3	0.389036

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rs12723334	C1orf173	1	74810433	1	0.688614
rs11210490	C1orf173	1	74870014	1	3.238586
rs1948874	SLC44A5	1	75444964	8	0.610882
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rs12703	RABGGTB	1	76030480	6	0.937562
rs5745325	MSH4	1	76042048	4	0.261175
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rs5745325	MSH4	1	76042048	1	0.541824
rs5745325	MSH4	1	76042048	5	0.418979
rs879268	LOC729766	1	76245527	3	0.321074
rs1184626	ST6GALNAC3	1	76865768	2	0.2811
rs1184626	ST6GALNAC3	1	76865768	1	0.478717
rs12403583	ST6GALNAC3	1	76867943	1	0.639214
rs12403583	ST6GALNAC3	1	76867943	7	0.215679
rs41291532	ST6GALNAC3	1	76869210	2	2.07096
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rs2689674	hCG_22804	1	77367162	6	5.320572
rs1619903	AK5	1	77521252	1	0.430103
rs1619903	AK5	1	77521252	2	0.786402
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rs2689680	AK5	1	77521374	1	0.413816
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rs2689680	AK5	1	77521374	5	3.590686
rs2689680	AK5	1	77521374	3	1.391624
rs10873950	AK5	1	77797190	1	3.305157
rs10873950	AK5	1	77797190	7	0.974912
rs4949811	AK5	1	77798042	1	6.517399
rs3509	AK5	1	77798139	7	0.258184
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rs273240	IFI44L	1	78858751	5	1.941232
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rs1057920	IFI44L	1	78884279	6	0.16582
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rs11163290	LOC729817	1	81665573	3	0.308997
rs1108500	LOC646555	1	81741872	3	4.57411
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rs17131763	LOC729828	1	81960734	7	3.833809
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rs10782824	PRKACB	1	84443172	6	3.117911
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rs7511984	DNASE2B	1	84650816	5	0.568166
rs3768250	DNASE2B	1	84652968	4	1.441808
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rs2292191	BXDC5	1	84717577	3	0.166084
rs7528067	BXDC5	1	84733696	1	4.809481
rs1043493	CTBS	1	84793237	1	6.43488
rs1043493	CTBS	1	84793237	8	6.290016
rs2994949	SSX2IP	1	84885791	1	2.709448
rs2994949	SSX2IP	1	84885791	4	0.820495
rs7522239	MCOLN3	1	85256954	5	0.69426
rs2028304	MCOLN3	1	85260618	5	6.448435
rs2028304	MCOLN3	1	85260618	8	1.841291
rs709783	WDR63	1	85367054	6	2.65173
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rs2734705	CLCA1	1	86724912	5	0.564661
rs1517903	CLCA3	1	86886833	3	2.054826
rs754001	15-Sep	1	87152574	1	2.26263

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rs754001	15-Sep	1	87152574	5	2.623696
rs101028	15-Sep	1	87152584	5	2.84694
rs101028	15-Sep	1	87152584	1	2.458029
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rs4658360	GBP6	1	89619999	3	0.757045
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rs4658146	GBP6	1	89620032	5	1.876241
rs4658146	GBP6	1	89620032	3	1.854054
rs4658146	GBP6	1	89620032	4	1.501616
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rs3893101	LOC645931	1	91567082	8	4.453613
rs3893101	LOC645931	1	91567082	2	5.059033
rs13447455	CDC7	1	91739033	8	0.833104
rs1804506	TGFBR3	1	91920601	1	0.872687
rs1804506	TGFBR3	1	91920601	3	0.869503
rs284878	TGFBR3	1	91946848	5	0.071784
rs1805113	TGFBR3	1	91950526	2	3.00525
rs1805113	TGFBR3	1	91950526	4	0.95007
rs1805112	TGFBR3	1	91958245	7	0.252698
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rs1805112	TGFBR3	1	91958245	2	1.54342
rs1805110	TGFBR3	1	92099633	1	1.662864

rs1325432	GFI1	1	92713438	5	3.602822
rs1886683	EVI5	1	92748611	7	2.951095
rs1886683	EVI5	1	92748611	1	0.394974
rs1886683	EVI5	1	92748611	2	2.92382
rs1886683	EVI5	1	92748611	5	7.178178
rs6690764	EVI5	1	92749178	8	4.207498
rs6690764	EVI5	1	92749178	5	0.254003
rs6690764	EVI5	1	92749178	1	0.857603
rs1886682	EVI5	1	92749863	5	0.49594
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rs6603979	EVI5	1	92751942	1	0.411833
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rs6603979	EVI5	1	92751942	2	0.144234
rs6603979	EVI5	1	92751942	8	1.876722
rs10874744	SNORA66	1	93078905	5	0.145138
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rs10874767	CCDC18	1	93516643	7	0.025674
rs10874767	CCDC18	1	93516643	4	2.222923
rs2235971	DNTTIP2	1	94117304	3	0.543485
rs2235971	DNTTIP2	1	94117304	4	6.103286
rs3747961	ABCA4	1	94231009	1	3.795111
rs3747961	ABCA4	1	94231009	3	0.414279
rs3747961	ABCA4	1	94231009	4	1.145112
rs6666652	ABCA4	1	94234305	3	1.475844
rs6666652	ABCA4	1	94234305	4	0.969084
rs1762114	ABCA4	1	94243663	3	1.201471
rs1762114	ABCA4	1	94243663	4	0.336091
rs2275029	ABCA4	1	94246433	7	0.896629
rs2275029	ABCA4	1	94246433	5	0.820399
rs1801574	ABCA4	1	94248976	6	0.688289
rs1801574	ABCA4	1	94248976	5	3.039806
rs1801574	ABCA4	1	94248976	7	0.515321
rs1801574	ABCA4	1	94248976	1	3.648099
rs1801466	ABCA4	1	94249055	1	1.213688
rs3354	F3	1	94768407	1	2.514614
rs3354	F3	1	94768407	2	5.648882
rs6577322	SNX7	1	98937022	4	0.200972
rs6577322	SNX7	1	98937022	5	0.661955
rs6577322	SNX7	1	98937022	3	1.071662
rs764051	PAP2D	1	99129546	7	1.498837
rs309087	PAP2D	1	99191235	5	0.016981
rs3818852	PALMD	1	99932765	5	0.333046
rs3818852	PALMD	1	99932765	3	0.463759
rs7537296	FRRS1	1	99976236	1	0.54243

rs7537296	FRRS1	1	99976236	3	1.26081
rs7514021	FRRS1	1	99976281	1	0.057273
rs7514021	FRRS1	1	99976281	3	0.406805
rs7514021	FRRS1	1	99976281	2	1.967955
rs1416236	FRRS1	1	99987075	1	1.279894
rs1416236	FRRS1	1	99987075	3	1.00268
rs1416236	FRRS1	1	99987075	2	1.030854
rs687513	CCDC76	1	100371455	4	0.904581
rs614805	LOC646970	1	100570061	8	2.292899
rs614805	LOC646970	1	100570061	3	3.104918
rs614805	LOC646970	1	100570061	6	7.286343
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rs7534479	LOC646970	1	100570725	3	2.434016
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rs529224	CDC14A	1	100590766	7	0.024944
rs529224	CDC14A	1	100590766	6	0.837888
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rs3737578	EDG1	1	101477084	4	0.570566
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rs3737577	EDG1	1	101477120	1	0.001373
rs3737577	EDG1	1	101477120	2	1.817737
rs3737577	EDG1	1	101477120	3	0.50044
rs3737577	EDG1	1	101477120	6	0.628
rs3737577	EDG1	1	101477120	5	1.360035
rs2229783	COL11A1	1	103125039	4	1.253948
rs2229783	COL11A1	1	103125039	3	0.314417
rs2229783	COL11A1	1	103125039	2	4.42265
rs12731843	COL11A1	1	103264049	5	0.837491
rs10881350	LOC727839	1	106233900	3	1.055855
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rs10881350	LOC727839	1	106233900	8	2.917247
rs2232016	PRMT6	1	107401441	5	0.829677
rs2232016	PRMT6	1	107401441	2	1.32326
rs2232016	PRMT6	1	107401441	1	0.526639
rs2232016	PRMT6	1	107401441	4	1.231771
rs8458	VAV3	1	107915379	8	5.135352
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rs8458	VAV3	1	107915379	6	0.234247
rs8458	VAV3	1	107915379	1	1.080192
SNP1-107986832	VAV3	1	107986832	4	0.801141
rs7528153	VAV3	1	108109250	2	5.202136

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rs7528153	VAV3	1	108109250	8	3.361494
rs2358529	FAM102B	1	108981561	7	4.177221
rs11582005	FNDC7	1	109069964	5	0.279319
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SNP1-109070096	FNDC7	1	109070096	6	0.548899
rs4970809	FNDC7	1	109074979	8	0.525478
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rs4970809	FNDC7	1	109074979	3	1.584187
rs4970809	FNDC7	1	109074979	5	0.238654
rs1124427	NULL	1	109090876	5	4.750133
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rs12060255	C1orf62	1	109178593	4	0.002654
rs11580913	C1orf62	1	109193185	7	0.463656
rs17563390	C1orf62	1	109196501	1	3.316071
rs7519409	C1orf62	1	109201183	1	2.789064
rs7551142	C1orf62	1	109201233	8	0.715588
rs667524	KIAA1324	1	109458469	3	0.01542
rs667524	KIAA1324	1	109458469	7	0.241468
rs658779	KIAA1324	1	109536821	3	0.6076
rs659543	KIAA1324	1	109536939	3	0.262676
rs2359244	KIAA1324	1	109538655	3	0.046509
rs913179	KIAA1324	1	109544008	3	0.979056
rs1052878	KIAA1324	1	109547141	2	4.995288
rs2281894	CELSR2	1	109612067	7	5.289938
rs2281894	CELSR2	1	109612067	5	6.449667
SNP1-109619681	CELSR2	1	109619681	5	0.813704
rs3738777	MYBPHL	1	109638358	8	1.272773
rs3738777	MYBPHL	1	109638358	3	0.385044
rs3850615	MYBPHL	1	109641261	3	0.695251
rs6666119	CYB561D1	1	109841833	3	1.146403
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rs2297797	CYB561D1	1	109842203	2	2.528307
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rs2297797	CYB561D1	1	109842203	5	0.463076
rs2297797	CYB561D1	1	109842203	3	0.208977
rs2304355	GNAT2	1	109957047	5	0.606557
rs2304355	GNAT2	1	109957047	8	1.232043
rs568686	AMPD2	1	109975298	6	0.381792

rs11807	GSTM5	1	110062265	8	3.992089
rs11807	GSTM5	1	110062265	6	0.915764
rs11807	GSTM5	1	110062265	1	3.379385
rs3814309	GSTM3	1	110078926	7	3.529109
rs1537236	GSTM3	1	110080495	1	3.504292
rs1332018	GSTM3	1	110084495	1	2.959525
rs1332018	GSTM3	1	110084495	3	0.684204
rs1332018	GSTM3	1	110084495	8	1.327069
rs3818562	EPS8L3	1	110101964	7	0.719922
rs41281344	FAM40A	1	110385780	7	5.025682
rs2784140	SLC6A17	1	110539819	3	1.254947
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SNP1-110567977	KCNC4	1	110567977	8	10.1413
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rs3738750	SLC16A4	1	110725876	3	0.400105
rs3738750	SLC16A4	1	110725876	7	0.341617
rs3738750	SLC16A4	1	110725876	2	3.247476
rs6698159	HBXIP	1	110751800	5	0.034497
rs6674775	HBXIP	1	110751962	2	0.647751
rs6674775	HBXIP	1	110751962	3	0.478449
rs3748731	KCNA10	1	110862534	3	0.539954
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rs3887820	KCNA2	1	110949603	1	1.562661
rs1494324	CD53	1	111217364	4	0.876426
rs12030938	CD53	1	111243381	3	0.278027
rs12030938	CD53	1	111243381	6	2.703803
rs12030938	CD53	1	111243381	5	0.716948
rs1936939	CD53	1	111244078	5	0.069259
rs1936939	CD53	1	111244078	8	0.109439
rs1936939	CD53	1	111244078	6	0.213905
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rs1043096	CEPT1	1	111483830	6	4.898082
rs17027410	CHIA	1	111663345	1	2.751402
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rs3738303	C1orf88	1	111695703	6	0.906025
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rs1058530	C1orf88	1	111697010	6	1.031485
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rs10857881	LOC441897	1	111735211	1	3.883473
rs7825	OVGP1	1	111758620	6	0.090994
rs7825	OVGP1	1	111758620	5	0.541574



rs7825	OVGP1	1	111758620	1	0.482975
rs7825	OVGP1	1	111758620	3	0.14121
rs17027633	OVGP1	1	111763779	4	0.727241
rs2275794	OVGP1	1	111765785	4	0.343664
rs954739	OVGP1	1	111767814	2	2.348013
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rs6703267	C1orf162	1	111820180	1	0.587313
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rs1054680	C1orf162	1	111822552	4	0.702651
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rs2275797	ADORA3	1	111834808	3	0.233411
rs1415792	ADORA3	1	111843718	6	3.104461
rs1415792	ADORA3	1	111843718	3	2.126714
rs1415792	ADORA3	1	111843718	4	2.123036
rs1415793	ADORA3	1	111843759	2	2.183857
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rs1415793	ADORA3	1	111843759	3	3.144352
rs1544223	ADORA3	1	111848080	3	0.571737
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rs12033257	KCND3	1	112120007	8	0.630741
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rs11803863	LRIG2	1	113437384	6	0.957783
SNP1-114026829	MAGI3	1	114026829	1	7.059721
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SNP1-114029805	MAGI3	1	114029805	6	1.518728
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rs3811021	PTPN22	1	114158186	5	2.11748
rs1217382	BCL2L15	1	114225176	1	2.082459
rs12022378	DCLRE1B	1	114249912	6	0.640577
SNP1-114257324	DCLRE1B	1	114257324	1	5.44285
rs6674384	DCLRE1B	1	114257430	2	1.706399
SNP1-114306523	HIPK1	1	114306523	2	5.067377
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rs1125002	TRIM33	1	114739698	4	2.307983

rs12083584	TRIM33	1	114774952	1	0.898883
rs12083584	TRIM33	1	114774952	6	0.255748
rs11084	SYCP1	1	115339456	1	1.539155
rs11084	SYCP1	1	115339456	5	2.311271
rs1052480	TSPAN2	1	115392581	5	1.681492
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rs7551034	TSPAN2	1	115392686	6	3.900042
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rs10776795	TSPAN2	1	115406321	1	3.802466
rs10776795	TSPAN2	1	115406321	3	0.918974
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rs4839472	VANGL1	1	116039019	1	4.586452
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rs17034226	VANGL1	1	116040001	7	7.563167
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rs4548441	VANGL1	1	116041364	7	0.364314
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rs7413162	CASQ2	1	116045400	4	0.014719
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rs10754377	NHLH2	1	116181695	7	0.69897
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rs3748743	SLC22A15	1	116406946	2	5.368914
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rs10802159	C1orf161	1	116477558	8	0.902362
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rs1034919	RP4-781D12.3	1	116877028	7	0.695572
rs1034919	RP4-781D12.3	1	116877028	6	0.155114
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rs1034920	RP4-781D12.3	1	116877922	5	0.963288
rs1034921	RP4-781D12.3	1	116877926	5	0.000289

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rs2249265	IGSF2	1	117361249	1	4.011861
rs3736907	IGSF2	1	117362452	4	2.802331
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rs2244501	TTF2	1	117404483	4	0.990708
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rs12118664	TRIM45	1	117456161	5	0.175943
rs1048635	TRIM45	1	117456381	6	1.397897
rs1289658	TRIM45	1	117457611	5	4.656324
rs1289658	TRIM45	1	117457611	1	2.057301
rs1289658	TRIM45	1	117457611	6	0.26624
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rs749902	TRIM45	1	117462277	7	0.046469
rs749902	TRIM45	1	117462277	5	11.21362
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rs6657335	TRIM45	1	117465569	5	0.155899
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rs34957002	VTCN1	1	117554978	7	0.330978
rs12120771	MAN1A2	1	117867442	7	0.182233
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rs865443	FAM46C	1	117967100	5	0.536182
rs1627787	FAM46C	1	117967496	5	6.29035
rs1627787	FAM46C	1	117967496	4	1.12106
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rs2066411	FAM46C	1	117968273	5	0.403051
rs2066411	FAM46C	1	117968273	7	0.516827
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rs2066411	FAM46C	1	117968273	4	0.792323
rs10923360	FAM46C	1	117968400	6	2.612854
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rs826403	FAM46C	1	117968722	1	0.782128

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rs826403	FAM46C	1	117968722	5	0.914242
rs826403	FAM46C	1	117968722	6	0.6525
rs866111	FAM46C	1	117969176	2	5.086132
rs866111	FAM46C	1	117969176	5	0.471582
rs11580608	FAM46C	1	117969757	8	0.100244
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rs11580608	FAM46C	1	117969757	6	0.739284
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rs11580608	FAM46C	1	117969757	7	0.02639
rs11581122	FAM46C	1	117970349	4	1.002915
rs11581122	FAM46C	1	117970349	1	4.609146
rs11581122	FAM46C	1	117970349	7	1.598448
rs2282456	FAM46C	1	117970986	1	6.130249
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rs2282456	FAM46C	1	117970986	5	0.423282
rs2282456	FAM46C	1	117970986	6	0.194271
rs2282456	FAM46C	1	117970986	7	0.304881
rs10754367	SPAG17	1	118445953	1	2.336976
rs10754367	SPAG17	1	118445953	8	0.374267
rs10494217	TBX15	1	119270711	5	0.38396
rs8928	WARS2	1	119375597	1	3.85743
rs8928	WARS2	1	119375597	7	0.588232
rs3790548	WARS2	1	119376820	2	2.167348
rs346683	LOC644237	1	119940454	7	0.755857
rs346683	LOC644237	1	119940454	5	0.836279
rs6689350	LOC391081	1	119953605	1	1.517546
rs6689350	LOC391081	1	119953605	2	2.090272
rs6689350	LOC391081	1	119953605	6	1.082312
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rs6689350	LOC391081	1	119953605	4	1.001565
rs6689350	LOC391081	1	119953605	5	0.826089
rs12067843	ZNF697	1	119968204	4	1.75739
rs12067843	ZNF697	1	119968204	5	2.673321
rs1052972	REG4	1	120138308	4	2.104044
rs1052972	REG4	1	120138308	5	2.091946
rs1052972	REG4	1	120138308	3	2.082953
rs1052972	REG4	1	120138308	6	2.153118
rs699778	REG4	1	120138399	3	0.553595
rs699778	REG4	1	120138399	4	0.048204
rs699778	REG4	1	120138399	6	0.138236
rs699778	REG4	1	120138399	5	0.645407
rs835575	NOTCH2	1	120258086	6	5.742575
rs11590105	ITGA10	1	144244532	3	0.950322
rs11590105	ITGA10	1	144244532	4	0.565728

rs2282014	ITGA10	1	144253638	7	7.245645
rs6670984	ANKRD35	1	144272951	3	1.916878
rs11579366	ANKRD35	1	144273650	3	0.253901
rs11584787	PRKAB2	1	145095103	8	0.873075
rs11584787	PRKAB2	1	145095103	7	0.039506
rs11584787	PRKAB2	1	145095103	6	0.026591
rs11584787	PRKAB2	1	145095103	3	0.003711
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rs4950315	CHD1L	1	145202716	1	5.852651
rs17356233	CHD1L	1	145207126	5	0.094295
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rs10900376	BCL9	1	145479986	5	1.225995
rs2153463	ACP6	1	145590934	7	0.174556
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rs2153463	ACP6	1	145590934	6	5.42001
rs2153463	ACP6	1	145590934	3	0.540828
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rs4649592	LOC729135	1	147941416	5	1.356346
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rs7534365	SV2A	1	148142748	5	0.733528
rs12131104	SV2A	1	148155963	5	2.873734
SNP1-148172791	MTMR11	1	148172791	4	0.413444
SNP1-148172791	MTMR11	1	148172791	5	0.726677
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rs11205303	MTMR11	1	148173037	5	0.525026
rs11205303	MTMR11	1	148173037	7	0.848441
rs1868992	MTMR11	1	148174732	5	0.801227
rs2147324	C1orf51	1	148522211	7	1.011036
rs2147324	C1orf51	1	148522211	6	0.779526
SNP1-148547174	MRPS21	1	148547174	7	2.166441
rs8006	MRPS21	1	148547425	5	0.180084
rs8006	MRPS21	1	148547425	4	1.260679
rs8006	MRPS21	1	148547425	6	3.568625
rs8006	MRPS21	1	148547425	7	0.342625
SNP1-148696568	KIAA0460	1	148696568	5	1.072601
SNP1-148749979	ECM1	1	148749979	3	0.54904
SNP1-148749979	ECM1	1	148749979	6	5.070508
SNP1-148792668	ADAMTSL4	1	148792668	6	6.406791
SNP1-148792668	ADAMTSL4	1	148792668	4	5.871452
SNP1-148792668	ADAMTSL4	1	148792668	3	0.301132

SNP1-148792668	ADAMTSL4	1	148792668	7	0.361317
rs7517	ENSA	1	148863035	3	0.673877
rs41271951	CTSS	1	149003844	5	2.709787
rs7532008	ANXA9	1	149226974	4	0.6375
rs7532008	ANXA9	1	149226974	3	0.453961
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rs6587553	BNIP1	1	149285804	3	0.576862
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rs6587553	BNIP1	1	149285804	8	0.77257
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rs4971005	SEMA6C	1	149371222	3	0.69551
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rs10788800	SEMA6C	1	149371574	3	0.423295
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rs4971007	SEMA6C	1	149374761	8	0.777477
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rs4971007	SEMA6C	1	149374761	3	1.289665
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rs10749661	PSMD4	1	149505675	3	0.185279
rs10749661	PSMD4	1	149505675	7	0.394105
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rs2296840	PSMB4	1	149638671	4	0.364174
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rs12125310	POGZ	1	149698256	2	4.194553
rs12038198	CGN	1	149763826	2	4.531277
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rs1048694	SNX27	1	149936621	3	0.20046
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rs12409493	LINGO4	1	150039791	3	0.642467
rs2932586	KRT8P28	1	150189432	4	0.114961
rs2932586	KRT8P28	1	150189432	6	1.787791
rs1496045	HRNR	1	150451328	6	0.51959
rs1496045	HRNR	1	150451328	1	3.178885
rs4845423	HRNR	1	150451574	1	3.636425
rs6587651	HRNR	1	150459745	1	4.941292

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rs12405278	FLG	1	150548891	6	0.737196
rs12405278	FLG	1	150548891	1	2.041694
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rs2282302	FLG2	1	150595993	1	1.947453
rs2282303	FLG2	1	150596059	1	3.376245
rs3818831	FLG2	1	150597864	1	1.711075
rs10888486	CRNN	1	150648686	1	1.073428
rs1053588	CRCT1	1	150754687	7	1.275216
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SNP1-150915275	LCE2C	1	150915275	6	0.664887
SNP1-150915275	LCE2C	1	150915275	2	1.362272
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SNP1-150915275	LCE2C	1	150915275	7	0.805211
SNP1-150926429	LCE2B	1	150926429	5	1.665543
rs41308367	LCE2B	1	150926472	5	1.683917
rs4845480	KPRP	1	150999060	8	2.27248
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rs16834461	KPRP	1	150999191	7	1.520039
rs4329520	KPRP	1	150999925	7	1.567607
rs4329520	KPRP	1	150999925	5	0.397001
rs4329520	KPRP	1	150999925	1	0.285191
rs4329520	KPRP	1	150999925	8	1.283472
rs2297487	KPRP	1	151001014	7	2.409266
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rs3170863	SPRR4	1	151211218	7	0.812436
rs6671524	SPRR3	1	151240871	3	0.161236
rs3181787	SPRR1B	1	151271433	2	0.11492
rs3181787	SPRR1B	1	151271433	1	1.430324
rs3181787	SPRR1B	1	151271433	3	0.107894
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rs1048296	SPRR2D	1	151278864	1	1.031733
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rs1048296	SPRR2D	1	151278864	3	1.489785
rs509194	SPRR2G	1	151388795	8	4.479249
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rs843971	PGLYRP3	1	151544047	5	0.056266
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rs2570440	PGLYRP4	1	151569451	7	2.187348
rs10888551	PGLYRP4	1	151569511	1	0.906617
rs3006448	PGLYRP4	1	151580777	7	3.21326
rs3014863	PGLYRP4	1	151582203	7	0.8296
rs3818632	S100A13	1	151871143	6	1.660625
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rs11264875	NUP210L	1	152261271	7	1.081822
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rs11264875	NUP210L	1	152261271	1	1.675789
rs7654	TPM3	1	152396254	8	5.368605
rs1194587	ATP8B2	1	152583777	5	1.319577
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rs1194587	ATP8B2	1	152583777	3	1.348153
rs1194587	ATP8B2	1	152583777	6	1.251071
rs1194587	ATP8B2	1	152583777	7	0.625739
rs2297607	ATP8B2	1	152587566	8	0.09924
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rs2297607	ATP8B2	1	152587566	5	0.771063
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rs2229238	IL6R	1	152704520	7	0.393201
rs12568083	SHE	1	152722573	6	1.216002
rs4845635	SHE	1	152740755	6	2.815898
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rs12753680	TDRD10	1	152741524	6	1.026462
rs12750774	TDRD10	1	152783101	1	2.312573
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rs2072660	CHRNA2	1	152815345	1	0.301104
rs2072660	CHRNA2	1	152815345	2	0.746818
rs1131820	KCNN3	1	153011476	6	1.019098
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GA001167	PMVK	1	153175793	1	0.681524
GA001167	PMVK	1	153175793	8	7.118739
GA001167	PMVK	1	153175793	6	5.83227
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rs6680600	DCST1	1	153273623	3	0.359838
rs6680600	DCST1	1	153273623	4	0.365313
SNP1-153300542	ADAM15	1	153300542	6	0.458549
SNP1-153300542	ADAM15	1	153300542	5	1.456747
SNP1-153300542	ADAM15	1	153300542	8	1.337548
rs17723260	EFNA3	1	153325287	5	0.512172
rs17723260	EFNA3	1	153325287	7	0.81395



rs17723260	EFNA3	1	153325287	1	2.67432
rs17723260	EFNA3	1	153325287	6	0.783001
rs4745	EFNA1	1	153372851	4	5.169291
rs4745	EFNA1	1	153372851	5	0.306804
rs4745	EFNA1	1	153372851	6	2.655385
rs4745	EFNA1	1	153372851	2	5.852759
rs3814316	TRIM46	1	153416342	5	4.299625
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rs3814316	TRIM46	1	153416342	4	0.327465
rs1611772	MUC1	1	153425229	3	0.572023
rs4072037	MUC1	1	153428691	4	2.965868
rs4072037	MUC1	1	153428691	2	6.098889
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VG01S1161	GBA	1	153472841	3	2.853908
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rs3180018	SCAMP3	1	153496755	5	0.38194
rs3180018	SCAMP3	1	153496755	4	0.179056
rs1046188	SCAMP3	1	153498698	4	5.234737
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rs932972	PKLR	1	153526720	5	1.176796
rs932972	PKLR	1	153526720	6	0.858445
rs932972	PKLR	1	153526720	4	1.23542
rs932972	PKLR	1	153526720	8	0.354026
rs1052177	PKLR	1	153526974	5	0.873039
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rs1052176	PKLR	1	153527007	5	2.895173
rs1052176	PKLR	1	153527007	4	3.274442
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rs41264231	ASH1L	1	153584306	7	0.053448
rs7539	YY1AP1	1	153896107	1	6.479892
rs3820594	SYT11	1	154096135	5	0.542932
rs928596	ARHGEF2	1	154214499	6	0.330681
rs928596	ARHGEF2	1	154214499	4	0.222291
rs928596	ARHGEF2	1	154214499	5	0.582378
rs1889533	ARHGEF2	1	154214554	6	3.771699
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rs2297792	UBQLN4	1	154278068	5	0.187356
rs11264432	MEX3A	1	154309539	1	0.325066
rs11264432	MEX3A	1	154309539	4	0.473118
rs11264432	MEX3A	1	154309539	7	0.171131

rs11264432	MEX3A	1	154309539	6	4.561884
rs3814314	MEX3A	1	154311807	7	0.441464
rs3814314	MEX3A	1	154311807	5	0.313174
rs2075165	PAQR6	1	154482523	5	0.54889
rs2075165	PAQR6	1	154482523	1	1.364008
rs2273833	SMG5	1	154499813	7	0.211596
rs2273833	SMG5	1	154499813	4	5.991758
rs2273833	SMG5	1	154499813	6	0.657498
rs1570805	C1orf85	1	154531272	1	3.147554
rs2245623	RHBG	1	154613755	3	3.41898
rs1925950	MEF2D	1	154717364	3	0.699339
rs1925950	MEF2D	1	154717364	8	3.244875
rs11264498	IQGAP3	1	154793011	3	0.156754
rs11264498	IQGAP3	1	154793011	6	0.00838
rs11264498	IQGAP3	1	154793011	2	4.358101
rs1056695	BCAN	1	154888876	1	0.063252
rs11582300	NES	1	154906377	3	0.52654
rs11582300	NES	1	154906377	7	1.09419
rs3748571	NES	1	154906932	4	0.125889
rs3828043	NES	1	154907127	8	1.670361
rs3828043	NES	1	154907127	2	1.517966
rs3828043	NES	1	154907127	4	0.933125
rs951781	NES	1	154908161	7	4.277486
rs951781	NES	1	154908161	3	0.15064
rs11579761	ISG20L2	1	154959642	6	0.206476
rs926103	SH2D2A	1	155051606	8	0.871745
rs926103	SH2D2A	1	155051606	3	0.095674
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SNP1-155080651	INSRR	1	155080651	1	1.715534
SNP1-155080651	INSRR	1	155080651	3	0.577945
rs6337	NTRK1	1	155115619	2	1.396891
rs6337	NTRK1	1	155115619	6	1.422735
rs6337	NTRK1	1	155115619	4	0.201303
rs41299597	PEAR1	1	155149381	1	1.745572
rs822441	PEAR1	1	155149620	6	1.518532
rs822441	PEAR1	1	155149620	1	0.512115
rs11264581	PEAR1	1	155150117	6	1.801813
rs12137505	PEAR1	1	155150170	6	1.162544
rs12137505	PEAR1	1	155150170	7	0.412999
rs12137505	PEAR1	1	155150170	1	1.192102
rs12137505	PEAR1	1	155150170	3	0.761964
rs4661012	PEAR1	1	155152115	3	1.645046
rs4661012	PEAR1	1	155152115	7	0.326486
SNP1-155152391	PEAR1	1	155152391	2	1.343325
SNP1-155152391	PEAR1	1	155152391	8	7.315206
rs12119908	C1orf92	1	155168846	8	0.087036

rs822430	C1orf92	1	155168883	7	1.21861
rs822430	C1orf92	1	155168883	8	0.173986
rs822430	C1orf92	1	155168883	3	1.358448
rs3187878	ARHGEF11	1	155171268	8	0.403761
SNP1-155173739	ARHGEF11	1	155173739	7	0.822204
SNP1-155173739	ARHGEF11	1	155173739	3	0.615615
rs3845586	NULL	1	155751077	1	1.694735
rs6427384	FCRL5	1	155775506	3	0.470068
rs12036228	FCRL5	1	155780715	7	1.924124
rs12036228	FCRL5	1	155780715	5	2.455807
rs12036228	FCRL5	1	155780715	1	2.766108
rs849827	FCRL4	1	155811855	7	2.245318
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rs849827	FCRL4	1	155811855	2	1.364208
rs6691569	FCRL3	1	155914722	7	1.1627
rs6691569	FCRL3	1	155914722	3	1.471985
rs11805944	FCRL3	1	155914779	8	2.418705
rs2282283	FCRL3	1	155914995	1	2.812054
rs12129399	FCRL2	1	155982430	1	5.191656
rs2873413	FCRL2	1	156004128	1	0.155465
rs2873413	FCRL2	1	156004128	4	0.219548
rs2873413	FCRL2	1	156004128	3	0.072596
rs1016849	FCRL1	1	156031588	3	2.977266
rs36008419	KIRREL	1	156324257	4	0.011289
rs36008419	KIRREL	1	156324257	1	5.530208
rs36008419	KIRREL	1	156324257	6	0.005561
rs16840096	CD1B	1	156564584	4	0.15836
rs6679056	OR10R2	1	156716938	6	4.255211
rs6679056	OR10R2	1	156716938	7	4.393605
rs6679056	OR10R2	1	156716938	1	3.63137
rs1418843	OR10R2	1	156717006	7	2.774882
rs857825	OR6N1	1	157002315	4	2.114147
rs857825	OR6N1	1	157002315	7	4.041589
rs857825	OR6N1	1	157002315	5	2.213307
rs857825	OR6N1	1	157002315	3	2.043073
rs857825	OR6N1	1	157002315	1	3.503987
rs857826	OR6N1	1	157002364	7	3.77756
rs857826	OR6N1	1	157002364	4	4.531797
rs857826	OR6N1	1	157002364	3	4.150402
rs857826	OR6N1	1	157002364	1	3.460541
rs1864346	OR6N1	1	157003069	5	0.36258
rs1864346	OR6N1	1	157003069	7	1.596659
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rs1864346	OR6N1	1	157003069	3	0.082261
rs2276404	IFI16	1	157246574	2	2.143689
rs2276404	IFI16	1	157246574	7	0.203437
rs866484	IFI16	1	157253101	8	0.207573

rs866484	IFI16	1	157253101	3	0.502198
rs866484	IFI16	1	157253101	2	2.101428
rs3737523	IFI16	1	157288351	6	5.164391
rs862999	CADM3	1	157436265	7	2.226276
rs862999	CADM3	1	157436265	4	0.541431
rs862999	CADM3	1	157436265	3	0.875864
rs13962	DARC	1	157442151	5	3.110081
rs13962	DARC	1	157442151	2	1.517465
rs13962	DARC	1	157442151	4	1.929071
rs13962	DARC	1	157442151	3	1.288363
rs1205	CRP	1	157948857	5	0.251342
rs1205	CRP	1	157948857	2	1.921305
SNP1-158045534	FCRL6	1	158045534	1	1.94077
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SNP1-158051994	FCRL6	1	158051994	1	2.594234
SNP1-158066534	SLAMF8	1	158066534	1	3.177973
SNP1-158066534	SLAMF8	1	158066534	7	0.524483
rs2494507	VSIG8	1	158099049	8	1.491436
rs7550537	CCDC19	1	158117025	7	5.357912
rs16842789	CCDC19	1	158120875	2	1.327544
rs12409352	PIGM	1	158267059	2	6.433836
rs1053074	KCNJ10	1	158275745	3	0.794949
rs1053074	KCNJ10	1	158275745	5	0.539986
rs1053074	KCNJ10	1	158275745	7	0.008391
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GA001274	KCNJ9	1	158324588	1	1.146538
GA001274	KCNJ9	1	158324588	3	0.537638
GA001274	KCNJ9	1	158324588	5	0.964041
rs2753268	KCNJ9	1	158324876	7	0.665982
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rs6427504	ATP1A4	1	158391499	8	1.796467
rs11265338	ATP1A4	1	158400829	1	1.487648
rs11265338	ATP1A4	1	158400829	3	1.63181
rs10594	PEX19	1	158513809	3	0.910641
rs7521304	NHLH1	1	158608639	6	0.039703
rs7521304	NHLH1	1	158608639	3	0.776714
rs3766388	CD84	1	158784103	7	0.79775
rs1061217	SLAMF1	1	158846639	5	3.464283
rs1061217	SLAMF1	1	158846639	3	2.089279
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rs1061217	SLAMF1	1	158846639	7	2.731975
rs1061217	SLAMF1	1	158846639	4	3.19056
rs1126644	CD48	1	158915173	1	2.541125

rs1126644	CD48	1	158915173	5	1.742855
rs1980606	CD48	1	158921410	1	1.16972
rs1980606	CD48	1	158921410	3	0.401803
rs11265473	SLAMF7	1	158990072	1	2.996341
rs518721	SLAMF7	1	158990141	2	1.4032
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rs509749	LY9	1	159060184	6	0.735186
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rs1062826	F11R	1	159234629	4	0.465369
GA019599	F11R	1	159257530	5	0.152491
GA019599	F11R	1	159257530	8	5.502296
GA019599	F11R	1	159257530	4	0.598624
GA019599	F11R	1	159257530	3	0.644303
rs3737787	USF1	1	159276147	2	4.545299
rs3737787	USF1	1	159276147	3	0.726507
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rs3737787	USF1	1	159276147	5	0.340154
rs3737787	USF1	1	159276147	4	0.17402
rs2774279	ARHGAP30	1	159284180	5	0.001795
rs2774279	ARHGAP30	1	159284180	6	0.055721
rs2301286	PPOX	1	159402848	6	1.635977
rs3813620	B4GALT3	1	159411629	1	4.76046
rs3813620	B4GALT3	1	159411629	4	0.104775
rs4233367	ADAMTS4	1	159429661	3	0.584901
rs4233367	ADAMTS4	1	159429661	5	0.118449
GA001306	ADAMTS4	1	159434628	3	0.327976
rs3813623	NDUFS2	1	159435789	1	1.466851
rs3813623	NDUFS2	1	159435789	2	0.995339
rs3813623	NDUFS2	1	159435789	5	0.313285
rs1136207	NDUFS2	1	159450140	5	3.881138
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rs1136207	NDUFS2	1	159450140	2	0.226851
rs1136207	NDUFS2	1	159450140	6	0.428351
rs3813628	TOMM40L	1	159462790	5	0.205259
rs3813628	TOMM40L	1	159462790	6	1.417828
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rs2307424	NR1I3	1	159469229	5	0.720735
rs2307424	NR1I3	1	159469229	6	0.115288

rs2307424	NR1I3	1	159469229	1	1.974622
rs4477295	PCP4L1	1	159520904	3	1.200048
rs8266	SDHC	1	159599232	7	1.281602
rs12239492	SDHC	1	159600899	7	0.520654
rs16832869	C1orf192	1	159601359	7	1.70487
rs1801274	FCGR2A	1	159746369	3	0.263176
rs1079109	HSPA6	1	159761664	7	0.453157
rs1079109	HSPA6	1	159761664	2	2.970204
rs753856	HSPA6	1	159762758	2	4.296457
rs753856	HSPA6	1	159762758	7	0.868497
rs844	FCGR2B	1	159914157	1	3.255604
rs844	FCGR2B	1	159914157	7	2.955834
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rs4301614	FCRLA	1	159948472	4	1.098516
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rs11746	FCRLA	1	159949760	2	4.2014
rs11746	FCRLA	1	159949760	7	0.648841
rs7520519	FCRLB	1	159962263	2	4.212012
rs7520519	FCRLB	1	159962263	7	3.217548
rs7520519	FCRLB	1	159962263	4	0.787641
rs7520519	FCRLB	1	159962263	8	4.108713
rs12022536	OLFML2B	1	160242858	3	0.220816
rs348624	NOS1AP	1	160601880	8	1.344403
rs348624	NOS1AP	1	160601880	7	1.661545
rs2282397	C1orf111	1	160610726	1	1.989987
rs2282397	C1orf111	1	160610726	5	0.290763
rs34001279	SH2D1B	1	160633727	5	0.000768
rs2298258	DDR2	1	161003740	2	4.604177
rs2298258	DDR2	1	161003740	3	0.192941
rs12134171	C1orf110	1	161089164	5	0.29663
SNP1-161092081	C1orf110	1	161092081	5	0.673882
SNP1-161092081	C1orf110	1	161092081	3	0.816413
rs10917682	RGS5	1	161378828	1	2.890115
rs1056515	RGS5	1	161379884	1	4.26903
rs1056515	RGS5	1	161379884	4	0.165608
rs1056515	RGS5	1	161379884	6	0.579543
rs2661280	RGS5	1	161379999	7	1.354069
rs2661280	RGS5	1	161379999	8	0.583147
rs2661280	RGS5	1	161379999	3	0.362888
rs1056514	RGS5	1	161380190	8	1.313485
rs1056514	RGS5	1	161380190	3	1.287852
rs1056514	RGS5	1	161380190	7	1.234827
rs3806368	RGS5	1	161380502	3	0.765816
rs1054943	RGS5	1	161380720	3	0.181062
rs3820487	RGS5	1	161380982	6	1.933497
rs3806366	RGS5	1	161381945	4	1.542538
rs3806366	RGS5	1	161381945	3	0.212976

rs3806365	RGS5	1	161382055	6	1.106531
rs3806365	RGS5	1	161382055	4	1.01715
rs3806365	RGS5	1	161382055	3	0.446842
rs1395960	RGS5	1	161382146	3	5.04008
rs1395960	RGS5	1	161382146	4	2.571579
rs1395960	RGS5	1	161382146	6	0.200922
rs1509022	NUF2	1	161575843	1	0.276338
rs1509022	NUF2	1	161575843	2	2.427895
rs17402900	LMX1A	1	163438301	2	3.031007
rs17402900	LMX1A	1	163438301	7	2.639434
rs16840972	LMX1A	1	163438629	1	2.454268
rs9970062	LMX1A	1	163485303	5	0.021353
rs2134095	RXRG	1	163644176	1	0.748561
rs113471	RXRG	1	163664739	3	0.2318
rs367199	LRRC52	1	163799812	5	0.96918
rs11585763	LOC401975	1	164258785	3	0.2137
rs6692476	LOC401975	1	164258836	3	0.523792
rs6692476	LOC401975	1	164258836	4	0.269443
rs12741275	FMO9P	1	164860378	3	0.983735
rs524612	LOC646688	1	164983265	3	4.862392
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rs1815531	LOC646688	1	164983830	8	0.066153
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rs1815531	LOC646688	1	164983830	3	0.587243
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rs12461	GPA33	1	165289005	4	2.029991
rs3753914	GPA33	1	165289325	3	0.156821
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rs12076250	GPA33	1	165289544	1	0.375077
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rs12076250	GPA33	1	165289544	2	0.453159
rs12076250	GPA33	1	165289544	4	1.987738
rs2281962	GPA33	1	165326384	3	0.513074
rs2281962	GPA33	1	165326384	5	1.453744
rs267747	DUSP27	1	165364569	3	0.354653
rs1052231	CD247	1	165666698	6	0.416994
rs1052231	CD247	1	165666698	1	2.302581
rs1052230	CD247	1	165666705	6	0.077645
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rs3831958	CD247	1	165666815	6	1.690362
rs3831958	CD247	1	165666815	1	3.414022
rs12025624	CREG1	1	165789653	3	0.842756
rs2297777	RCSD1	1	165941277	6	0.068556
rs2297777	RCSD1	1	165941277	8	1.320106

rs2297777	RCSD1	1	165941277	4	1.815985
rs2297777	RCSD1	1	165941277	7	1.353067
rs8623	MPZL1	1	166026462	6	1.173371
rs203795	SAC	1	166084263	5	1.273895
rs2071921	SAC	1	166092109	5	0.061409
rs1050037	BRP44	1	166154040	7	0.502451
rs203861	BRP44	1	166160383	1	0.046795
rs203861	BRP44	1	166160383	5	0.34511
rs203861	BRP44	1	166160383	2	0.058801
SNP1-166372120	GPR161	1	166372120	7	1.195625
rs3885717	TBX19	1	166548885	7	4.225162
rs3885717	TBX19	1	166548885	4	0.759348
rs3885717	TBX19	1	166548885	8	0.068087
rs3885717	TBX19	1	166548885	1	3.411772
rs3885717	TBX19	1	166548885	3	0.158507
rs1042882	XCL1	1	166817159	8	2.845695
rs1042882	XCL1	1	166817159	4	1.690091
rs16861320	DPT	1	166931970	4	0.686021
rs3795611	LOC391132	1	167174523	5	0.736251
rs2272801	C1orf114	1	167633140	6	0.205917
SNP1-167657581	C1orf114	1	167657581	5	0.284121
SNP1-167657581	C1orf114	1	167657581	1	0.226187
SNP1-167657581	C1orf114	1	167657581	4	0.393542
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rs3820059	C1orf114	1	167657778	1	0.740988
rs3820059	C1orf114	1	167657778	3	0.869832
rs12091844	SLC19A2	1	167699897	4	5.641291
rs9332701	F5	1	167751391	1	1.831967
rs6030	F5	1	167765599	6	2.399204
rs6030	F5	1	167765599	3	2.31765
rs6032	F5	1	167778179	6	0.468518
rs6032	F5	1	167778179	2	1.421118
rs6032	F5	1	167778179	1	1.818593
SNP1-167778358	F5	1	167778358	6	2.793546
SNP1-167778358	F5	1	167778358	3	1.180658
rs4524	F5	1	167778379	6	0.029516
rs6016	F5	1	167778744	3	0.456429
rs6016	F5	1	167778744	6	0.498672
rs6035	F5	1	167788473	6	0.014247
rs6022	F5	1	167796450	8	1.695829
rs6029	F5	1	167796597	8	1.506464
rs6133	SELP	1	167831970	6	1.186301
rs6133	SELP	1	167831970	7	0.271226
rs909628	SELL	1	167927289	6	2.261294
rs4987310	SELL	1	167940462	4	0.321388
rs1051091	SELL	1	167944333	6	0.047482
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rs3766132	C1orf112	1	168031192	8	6.068785
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rs10919246	C1orf112	1	168031676	8	6.155009
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rs6668114	C1orf112	1	168034704	7	5.368043
rs12143301	SCYL3	1	168090414	6	1.949268
rs520525	LOC730132	1	168904957	1	1.364215
rs2294740	C1orf129	1	169195295	7	2.033443
rs2266782	FMO3	1	169343590	5	0.728011
rs2266782	FMO3	1	169343590	4	1.188413
rs1736557	FMO3	1	169346704	7	0.693473
rs909530	FMO3	1	169349798	6	0.122326
rs909530	FMO3	1	169349798	4	0.050559
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rs11812061	FMO6P	1	169382269	6	1.071277
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rs2272797	FMO6P	1	169385464	6	1.852505
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rs7889839	FMO6P	1	169387797	6	0.289894
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rs16864125	FMO6P	1	169396970	1	0.052943
rs16864125	FMO6P	1	169396970	2	0.663279
rs2020860	FMO2	1	169429207	1	3.374713
rs28369860	FMO2	1	169432427	1	5.991274
rs28369914	FMO2	1	169445114	2	5.064752
rs7512785	FMO2	1	169445911	7	3.396323
rs7512785	FMO2	1	169445911	4	2.924039
rs7877	FMO1	1	169521514	1	2.758985
rs235501	BAT2D1	1	169822789	2	5.172965
rs235501	BAT2D1	1	169822789	4	0.891637
SNP1-169888148	MYOC	1	169888148	5	2.163011
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rs9661596	LOC391135	1	169919287	2	2.567641
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rs2294719	KIAA0859	1	170017674	2	3.50914
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rs2294719	KIAA0859	1	170017674	7	0.961984
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rs2294719	KIAA0859	1	170017674	8	6.287059
rs2294720	KIAA0859	1	170017859	4	0.347494
rs2294720	KIAA0859	1	170017859	2	4.533059
rs2294720	KIAA0859	1	170017859	5	0.299382
rs2294720	KIAA0859	1	170017859	7	1.031061
rs2294720	KIAA0859	1	170017859	8	2.7485
rs2232825	KIAA0859	1	170030172	6	0.483916
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rs3736790	DNM3	1	170223426	4	0.165492
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rs10489282	DNM3	1	170643669	3	0.008415
rs9425601	DNM3	1	170643885	3	1.416796
rs9425601	DNM3	1	170643885	6	0.127142
rs9425601	DNM3	1	170643885	5	1.266272
rs9425601	DNM3	1	170643885	8	0.562372
rs17278379	DNM3	1	170647907	8	2.606968
rs17278379	DNM3	1	170647907	3	0.538339
rs7528296	DNM3	1	170648006	8	5.55884
rs7528296	DNM3	1	170648006	2	4.66255
rs7528296	DNM3	1	170648006	6	1.606599
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rs3900307	TNFSF4	1	171420065	3	0.421815
rs7514229	TNFSF4	1	171420927	1	0.508871
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rs17372309	TNFSF4	1	171421162	1	2.237138
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rs17372309	TNFSF4	1	171421162	6	0.048941
rs12140760	LOC646870	1	171696618	8	1.540313
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rs5877	SERPINC1	1	172145485	3	0.865274
rs5877	SERPINC1	1	172145485	4	1.55809
rs6703547	RC3H1	1	172174435	5	1.242817
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rs7516240	GPR52	1	172683854	3	0.775596
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rs10912897	TNN	1	173380201	1	0.020835
rs859427	TNR	1	173615346	1	0.90976
rs859437	TNR	1	173622014	7	0.062708
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rs12118034	PAPPA2	1	175075991	5	0.781372
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rs7413442	SEC16B	1	176196563	2	4.850297
rs7413442	SEC16B	1	176196563	3	0.662792
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rs10913569	C1orf220	1	176784631	3	1.506603
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rs6698722	TEDDM1	1	180635701	2	1.565858
rs6674281	TEDDM1	1	180635856	6	0.531791
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rs1547714	LAMC1	1	181380742	8	3.793196
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rs11586699	LAMC2	1	181451313	2	0.118088
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rs1129723	LAMC2	1	181454226	3	0.93218
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rs10797863	LAMC2	1	181480033	6	1.403238
rs2021320	NMNAT2	1	181485971	6	7.309307
rs3738818	NMNAT2	1	181488256	4	0.225553
rs2298083	SMG7	1	181782051	6	9.506978
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rs10911388	APOBEC4	1	181883404	2	1.260676
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rs1174658	APOBEC4	1	181883728	5	1.150218
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rs7360	FAM129A	1	183027056	1	2.893542
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rs581100	FAM129A	1	183030690	8	5.443783
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rs3737940	PRG4	1	184544612	4	1.599115
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rs10921310	GLRX2	1	191341274	5	0.119941
rs912071	GLRX2	1	191341731	5	0.324144
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SNP1-195339819	ASPM	1	195339819	3	0.204194
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rs6677361	DENND1B	1	195788500	1	4.829303
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rs2270763	C1orf53	1	196141572	3	0.810939
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rs12744809	DDX59	1	198859948	1	0.210546
rs2808257	DDX59	1	198860628	1	2.058344
rs6665604	DDX59	1	198884861	6	3.55171
rs2271018	C1orf106	1	199134115	2	0.235655
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rs3208703	KIF21B	1	199206265	2	2.534878
rs3198583	KIF21B	1	199206803	2	1.982667
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rs3198583	KIF21B	1	199206803	4	2.576164



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rs2275673	DKFZp434B1231	1	199450898	1	2.304916
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rs3738270	DKFZp434B1231	1	199461742	2	1.676143
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rs3738270	DKFZp434B1231	1	199461742	3	2.373413
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rs3738281	LAD1	1	199624927	4	0.659556
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rs1256946	TNNI1	1	199642374	7	0.460126
rs1256948	TNNI1	1	199642884	8	3.442449
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rs4915521	TNNI1	1	199644508	1	1.47037
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rs6692075	LOC730246	1	201147925	5	0.738551
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rs3765156	PIK3C2B	1	202691651	4	0.621942
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rs2275868	NUAK2	1	203544404	5	0.450203
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rs10836	IKBKE	1	204736792	1	0.385724
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rs3767862	C1orf75	1	210604325	1	6.031349
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rs3122713	FAM71A	1	210866493	6	0.519408
rs3795842	FAM71A	1	210866572	3	0.186331
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rs1133462	TATDN3	1	211056514	1	0.40004

SNP1-211253154	ANGEL2	1	211253154	6	0.618555
rs2070065	CENPF	1	212877867	4	0.664605
rs3795522	CENPF	1	212880748	4	5.539229
rs3795520	CENPF	1	212881205	4	6.856934
SNP1-212884838	CENPF	1	212884838	4	6.971462
SNP1-212886603	CENPF	1	212886603	4	0.896816
rs869378	LOC391162	1	213111577	1	0.73312
rs6657250	USH2A	1	214286404	7	0.622983
rs10779261	USH2A	1	214661929	1	2.111712
rs1048126	GPATCH2	1	215670470	6	0.136412
rs1048126	GPATCH2	1	215670470	7	0.304421
rs265140	GPATCH2	1	215670507	1	5.552384
rs6604561	SPATA17	1	216014361	4	5.561898
rs6604561	SPATA17	1	216014361	1	7.060128
rs11466412	TGFB2	1	216681366	6	0.032157
rs900	TGFB2	1	216681528	7	5.088206
rs17517067	LOC643717	1	217155201	7	5.957699
rs3762307	LOC728510	1	217675199	3	0.805299
rs3762307	LOC728510	1	217675199	4	0.323543
SNP1-218223327	EPRS	1	218223327	5	9.147069
rs12136801	BPNT1	1	218329682	5	0.874349
rs12045447	RAB3GAP2	1	218411076	8	1.28912
rs12045447	RAB3GAP2	1	218411076	7	0.465154
rs7540014	LOC643779	1	218557120	6	2.309227
rs7540014	LOC643779	1	218557120	7	4.594058
rs7540014	LOC643779	1	218557120	1	3.623683
rs35322308	MARK1	1	218871074	4	0.535661
rs2738755	HLX	1	219124269	4	0.462875
rs2738755	HLX	1	219124269	3	1.350846
SNP1-220780244	HHIPL2	1	220780244	7	1.848531
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rs3008651	TAF1A	1	220829858	2	2.429048
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rs3008651	TAF1A	1	220829858	7	0.141884
SNP1-220869685	MIA3	1	220869685	7	0.125583
rs3811465	C1orf58	1	220952742	7	3.495538
SNP1-220986518	FLJ43505	1	220986518	7	0.179458
rs6683071	FLJ43505	1	220989974	7	0.696146
rs2609383	DISP1	1	221183095	6	5.691516
rs2609383	DISP1	1	221183095	2	5.322134
SNP1-221245101	DISP1	1	221245101	3	0.165784
SNP1-221245101	DISP1	1	221245101	8	1.049905
SNP1-221245101	DISP1	1	221245101	2	3.169456
rs6679661	C1orf65	1	221633890	4	0.493792
rs6682552	C1orf65	1	221634431	4	0.729181
rs17739	TP53BP2	1	222034576	4	3.976136
rs6604731	LOC644220	1	222118062	5	1.768382



rs6604731	LOC644220	1	222118062	7	1.073073
rs6604731	LOC644220	1	222118062	3	1.31844
rs11585297	CNIH3	1	222994591	1	4.256275
rs11585297	CNIH3	1	222994591	7	1.823873
rs2501107	DNAH14	1	223297231	6	0.904321
rs2501107	DNAH14	1	223297231	7	0.521857
rs3128651	DNAH14	1	223334966	7	0.001906
rs3128651	DNAH14	1	223334966	6	0.454649
rs10495237	DNAH14	1	223572917	7	0.364401
rs10495237	DNAH14	1	223572917	5	0.548361
rs7527925	DNAH14	1	223600842	4	0.391337
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rs7527925	DNAH14	1	223600842	1	1.240398
rs7527925	DNAH14	1	223600842	8	0.680949
rs3856154	DNAH14	1	223631638	5	0.40819
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rs3856154	DNAH14	1	223631638	7	0.410324
rs950210	DNAH14	1	223635864	7	0.265161
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rs950210	DNAH14	1	223635864	8	0.420661
rs3738040	EPHX1	1	224079664	4	0.041375
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GA019956	PYCR2	1	224178568	8	1.3579
GA019956	PYCR2	1	224178568	2	1.160582
rs6664468	C1orf55	1	224238098	8	7.979565
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rs6664468	C1orf55	1	224238098	4	0.430315
rs2306120	ACBD3	1	224419121	1	4.61289
rs1136410	PARP1	1	224621925	3	0.721336
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rs1805414	PARP1	1	224639987	6	1.038264
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rs1144839	ITPKB	1	224886875	6	0.358299
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rs6667260	ITPKB	1	224990561	5	1.254297
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rs6667260	ITPKB	1	224990561	8	0.025774
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rs1295645	PSEN2	1	225125660	4	2.297801
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rs3177404	PSEN2	1	225129852	7	0.337353
rs6759	PSEN2	1	225136360	2	3.287735
rs6759	PSEN2	1	225136360	8	0.249999
rs6759	PSEN2	1	225136360	5	0.149304
rs1045247	CDC42BPA	1	225249198	2	3.550367
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rs3088389	JMJD4	1	225985813	5	0.454855
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rs3088389	JMJD4	1	225985813	2	8.567371
rs4837	JMJD4	1	225986980	7	0.385056
SNP1-226021300	C1orf142	1	226021300	7	0.634652
rs8192633	WNT9A	1	226176094	5	0.151972
rs752107	WNT3A	1	226313974	7	2.895308
rs752107	WNT3A	1	226313974	1	2.973849
rs752107	WNT3A	1	226313974	8	2.312636
rs752107	WNT3A	1	226313974	5	3.388105
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SNP1-226429305	C1orf69	1	226429305	3	0.402673
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SNP1-226429305	C1orf69	1	226429305	4	0.556504
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rs4653915	C1orf69	1	226431228	8	1.137303
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rs4653915	C1orf69	1	226431228	3	1.514943
rs7532924	C1orf145	1	226460552	3	0.552227
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rs1620111	OBSCN	1	226468670	6	0.762041
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rs1771487	OBSCN	1	226468744	3	0.663116
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rs1771487	OBSCN	1	226468744	7	0.481393
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rs1771487	OBSCN	1	226468744	4	1.877529
rs1771487	OBSCN	1	226468744	6	1.002584
rs1757152	OBSCN	1	226478931	7	0.160373
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rs1188721	OBSCN	1	226530871	5	0.15193
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rs435776	OBSCN	1	226561413	6	1.018084
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rs1188710	OBSCN	1	226595186	3	0.329572
rs1188710	OBSCN	1	226595186	4	0.128844
rs12035900	OBSCN	1	226614524	5	0.451903
rs12035900	OBSCN	1	226614524	7	0.597021
SNP1-226614820	OBSCN	1	226614820	4	2.703115
SNP1-226614820	OBSCN	1	226614820	3	0.284763
rs35155240	NULL	1	226617049	3	0.407169
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rs500049	NULL	1	226626617	5	0.837883
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SNP1-226631507	OBSCN	1	226631507	6	0.147685
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SNP1-226631507	OBSCN	1	226631507	3	0.272056
rs503203	TRIM17	1	226669283	3	0.224877
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rs503203	TRIM17	1	226669283	4	1.250457
rs12542	RNF187	1	226748953	3	0.025032
rs12542	RNF187	1	226748953	4	1.028256
rs12542	RNF187	1	226748953	6	4.952017
rs11547452	RNF187	1	226749158	6	0.522559
rs11547452	RNF187	1	226749158	3	0.655478
rs13349	RHOU	1	226947752	8	4.437115
rs13349	RHOU	1	226947752	4	3.867425
rs15452	RAB4A	1	227506262	4	0.217254
rs15452	RAB4A	1	227506262	5	0.106182
rs15452	RAB4A	1	227506262	6	1.17083
rs15452	RAB4A	1	227506262	3	0.111289
rs2282081	C1orf96	1	227526869	3	0.140095
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rs3738187	ABCB10	1	227749887	2	3.21949
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rs3738187	ABCB10	1	227749887	6	0.456629
rs3213494	GALNT2	1	228482547	8	5.130314
rs16851328	GALNT2	1	228482753	7	0.024898
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rs7022	GALNT2	1	228484287	4	0.474228
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rs7079	AGT	1	228904954	4	0.426553
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rs7517389	CAPN9	1	228976962	6	2.342012
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rs4658912	LOC644006	1	229225706	4	4.757022
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rs11586657	TRIM67	1	229422535	1	3.514373
rs11586657	TRIM67	1	229422535	6	1.314443

rs11586657	TRIM67	1	229422535	5	1.439102
rs2274067	C1orf131	1	229443429	5	0.110485
rs2274067	C1orf131	1	229443429	3	0.53549
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rs574553	GNPAT	1	229468525	6	0.168085
rs574553	GNPAT	1	229468525	4	2.028329
rs7544596	EGLN1	1	229625963	7	0.348868
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rs3738401	DISC1	1	229896918	7	0.285468
rs3738401	DISC1	1	229896918	3	1.642959
rs11122324	DISC1	1	229925804	3	0.513212
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rs12133766	DISC1	1	230020768	8	0.269412
rs3082	DISC1	1	230069015	3	0.252855
rs9729179	DISC1	1	230240796	3	1.92421
rs980989	DISC1	1	230242818	3	0.327016
rs980989	DISC1	1	230242818	4	0.13637
rs9308481	DISC1	1	230242929	4	3.445688
rs9308481	DISC1	1	230242929	7	0.948454
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rs11803088	DISC1	1	230243392	8	0.552111
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rs16856322	DISC1	1	230243610	3	0.616573
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rs12757779	SIPA1L2	1	230648059	2	0.527293
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rs6424243	LOC729336	1	230834771	1	3.386835
rs2814526	KIAA1383	1	231008013	8	4.060109
rs12725558	C1orf57	1	231158086	6	0.586604
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rs12725558	C1orf57	1	231158086	3	0.608017
SNP1-231200709	PCNXL2	1	231200709	4	5.191113
SNP1-231200709	PCNXL2	1	231200709	3	0.027444
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rs963982	KIAA1804	1	231581694	6	0.628134
SNP1-231581725	KIAA1804	1	231581725	8	4.184236
rs17227790	LOC728987	1	231832150	7	0.745709
rs2991957	LOC440733	1	232559638	4	0.748612
rs2991957	LOC440733	1	232559638	1	0.824734
rs2991957	LOC440733	1	232559638	2	1.342534
rs270502	TARBP1	1	232670009	1	3.748134
rs2789367	GGPS1	1	233573541	7	0.044529

rs2789367	GGPS1	1	233573541	1	1.133163
rs2789367	GGPS1	1	233573541	2	0.193044
rs2789367	GGPS1	1	233573541	3	1.129317
rs12756717	GNG4	1	233780785	3	1.600832
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rs14326	GNG4	1	233782146	6	0.214894
rs14326	GNG4	1	233782146	7	2.659214
rs14326	GNG4	1	233782146	3	0.493949
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rs3768066	LYST	1	234038386	3	0.040745
rs3768066	LYST	1	234038386	8	2.046403
rs873	NID1	1	234207362	3	1.65204
rs873	NID1	1	234207362	2	5.327828
rs35714220	NID1	1	234243468	5	2.40608
rs7519217	LOC343508	1	234341428	4	3.401622
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rs1726630	ERO1LB	1	234447972	2	2.987978
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rs1726630	ERO1LB	1	234447972	3	0.384499
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SNP1-234479853	ERO1LB	1	234479853	7	0.600759
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SNP1-234479853	ERO1LB	1	234479853	2	1.390116
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rs604070	EDARADD	1	234712293	1	0.533459
rs604070	EDARADD	1	234712293	4	0.368409
rs604070	EDARADD	1	234712293	2	0.466775
rs604070	EDARADD	1	234712293	7	6.259381
rs6428955	EDARADD	1	234714359	5	1.408752
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rs6428955	EDARADD	1	234714359	1	2.814318
rs2737713	LGALS8	1	234767430	6	0.394159
rs2737713	LGALS8	1	234767430	7	1.024894
rs1041942	LGALS8	1	234778574	6	1.898798
rs1041942	LGALS8	1	234778574	7	7.801859
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rs1126627	HEATR1	1	234785243	8	1.17909
rs653737	HEATR1	1	234796579	8	2.922439
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rs2564739	HEATR1	1	234822460	6	3.886223
rs10737812	MTR	1	235125451	6	0.139001
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rs1804742	MTR	1	235129251	2	3.404044
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rs1054888	LOC339535	1	236710723	7	1.341147
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rs882869	FMN2	1	238704194	1	1.976035
rs2185289	LOC645916	1	238866705	7	4.772001
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rs1053230	KMO	1	239821971	3	1.055933
rs3193688	KMO	1	239825189	6	0.233436
rs3193688	KMO	1	239825189	1	6.157715
rs1053183	KMO	1	239825254	1	5.102983
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rs676750	CHML	1	239862907	3	0.189419
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rs10802990	WDR64	1	239974440	3	0.499631
rs10802990	WDR64	1	239974440	5	0.075177
rs1635517	EXO1	1	240078656	3	1.626907
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rs735943	EXO1	1	240096774	3	0.248554
rs4149963	EXO1	1	240102005	1	5.169954
rs3851304	LOC441925	1	240188419	5	0.494371
rs34091549	LOC391183	1	241002620	3	2.266265
rs976529	SDCCAG8	1	241538085	8	0.104937
rs2994330	LOC729199	1	241713831	2	1.472763
rs2994330	LOC729199	1	241713831	8	0.089413
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rs3006922	LOC729199	1	241713977	2	1.721571
rs2994329	LOC729199	1	241714544	8	0.834705
rs11586356	C1orf101	1	242707839	2	5.208728
rs7544794	C1orf101	1	242790715	4	0.855024
rs10927267	C1orf101	1	242802481	4	0.000846

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rs7527781	SMYD3	1	244647306	8	0.499446
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rs1151687	OR2G2	1	245818642	5	1.867031
rs28446289	OR13G1	1	245902297	3	0.088886
rs28446289	OR13G1	1	245902297	4	2.214521
rs28446289	OR13G1	1	245902297	5	0.588102
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rs2282316	OR6F1	1	245942038	7	0.25039
rs1552812	OR1C1	1	245987723	7	0.518774
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rs3737277	TRIM58	1	246090589	7	2.788467
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rs12135078	OR2W3	1	246126079	3	1.597369



rs12139390	OR2W3	1	246126099	3	0.162066
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rs954474	OR2T6	1	246618183	5	1.344354
rs954475	OR2T6	1	246618259	5	0.817971
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rs13419910	SOX11	2	5757137	4	1.247365
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rs6729137	SOX11	2	5757912	4	0.203083
rs2709437	FLJ41046	2	6040943	6	1.177686
rs1870744	FLJ42418	2	6789300	5	1.7192
rs4669114	RSAD2	2	6954072	5	0.782308
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rs7570384	RSAD2	2	6954129	7	0.968686
rs10495546	RSAD2	2	6954207	1	1.425314
rs6431837	RSAD2	2	6954262	7	0.853011
rs1045239	RSAD2	2	6954625	7	0.200146
rs1045239	RSAD2	2	6954625	4	1.900168
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rs309304	RNF144A	2	7098937	2	2.114615
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rs1048610	ADAM17	2	9552307	8	6.460888
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rs12692386	ADAM17	2	9613357	2	1.106532
rs12692386	ADAM17	2	9613357	6	0.5347
rs12692386	ADAM17	2	9613357	3	1.839275

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rs6710817	NAG	2	15290013	7	0.862293
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rs1976809	LOC645521	2	17329493	5	4.111619
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rs1812152	GEN1	2	17806256	7	0.349631
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rs6748924	WDR35	2	19976702	8	3.859946
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rs3731620	C2orf44	2	24115564	4	6.781458
rs1134516	PFN4	2	24196036	4	4.857953
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rs6749438	RBJ	2	25043631	5	1.149137
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rs2118404	EFR3B	2	25230833	3	0.59345
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rs1061485	KIF3C	2	26003006	1	5.294591
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rs3795958	C2orf39	2	26520634	1	1.913629

rs6749978	OTOF	2	26554412	7	0.563747
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SNP2-26653926	LOC339778	2	26653926	7	0.361538
SNP2-26653926	LOC339778	2	26653926	6	4.085817
SNP2-26653926	LOC339778	2	26653926	3	0.873604
SNP2-26653926	LOC339778	2	26653926	2	0.01934
SNP2-26653926	LOC339778	2	26653926	8	0.696966
rs744539	CIB4	2	26657626	1	1.697996
rs744539	CIB4	2	26657626	2	1.240348
rs744539	CIB4	2	26657626	7	1.242473
rs744540	CIB4	2	26657647	1	0.31415
rs744540	CIB4	2	26657647	7	0.163583
rs935172	CIB4	2	26657751	1	1.235113
rs41288797	KHK	2	27174019	3	1.509995
rs2384571	CGREF1	2	27178228	3	1.332782
rs2384571	CGREF1	2	27178228	6	4.390078
rs2384571	CGREF1	2	27178228	4	1.383218
rs3739092	CAD	2	27315580	8	9.26759
rs3739092	CAD	2	27315580	3	0.692815
rs2304684	CAD	2	27319872	4	7.871372
GA001964	IFT172	2	27529791	5	0.682162
GA001964	IFT172	2	27529791	7	5.088813
GA001964	IFT172	2	27529791	8	7.160039
GA001964	IFT172	2	27529791	3	0.26908
rs1260326	GCKR	2	27584444	7	0.20202
rs1260326	GCKR	2	27584444	3	0.597676
rs1260326	GCKR	2	27584444	4	1.334272
rs1260326	GCKR	2	27584444	1	4.605959
rs1260326	GCKR	2	27584444	8	3.737501
rs1919125	C2orf16	2	27654907	3	0.335006
rs1919125	C2orf16	2	27654907	4	0.24776
rs1919125	C2orf16	2	27654907	7	0.144979
rs1919125	C2orf16	2	27654907	6	4.294144
rs1919125	C2orf16	2	27654907	5	0.347222
rs1919125	C2orf16	2	27654907	1	6.654261
rs3749147	XAB1	2	27705422	6	0.344585
rs3749147	XAB1	2	27705422	7	0.705579
rs3749147	XAB1	2	27705422	3	0.353353
rs3749147	XAB1	2	27705422	8	1.852629
rs13013484	LOC729833	2	27842325	1	0.357217
rs13013484	LOC729833	2	27842325	4	0.355633
rs13013484	LOC729833	2	27842325	5	0.073353
rs35746006	PLB1	2	28675117	5	0.273136
rs35746006	PLB1	2	28675117	7	0.486742
rs7601771	PLB1	2	28678297	4	0.148548
rs7601771	PLB1	2	28678297	8	0.346073
rs7601771	PLB1	2	28678297	5	0.353904

rs34289907	PLB1	2	28681129	5	0.207705
rs2199619	PLB1	2	28708462	4	0.692617
rs2272387	PLB1	2	28719264	4	2.075743
rs2272387	PLB1	2	28719264	7	2.303356
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SNP2-29079008	LOC165186	2	29079008	1	0.162269
SNP2-29093564	LOC165186	2	29093564	5	0.477889
SNP2-29094177	LOC165186	2	29094177	4	2.924792
SNP2-29094177	LOC165186	2	29094177	5	2.992788
SNP2-29109878	LOC165186	2	29109878	3	0.056323
rs10187620	FLJ34931	2	29138485	7	0.882275
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rs7607027	FLJ34931	2	29138714	5	0.096009
rs7607027	FLJ34931	2	29138714	3	0.131921
rs17692899	FLJ34931	2	29138758	3	0.445078
rs17692899	FLJ34931	2	29138758	4	0.027899
rs1562393	FLJ34931	2	29138960	5	0.268187
rs1562392	FLJ34931	2	29139079	3	0.164019
rs4464231	FLJ34931	2	29139217	3	1.226225
rs958584	FLJ34931	2	29139576	3	0.433445
rs719691	FLJ34931	2	29139697	5	0.268827
rs719691	FLJ34931	2	29139697	4	2.376168
rs719691	FLJ34931	2	29139697	3	2.392696
rs13016696	FLJ34931	2	29140409	4	0.946611
rs13016696	FLJ34931	2	29140409	3	0.21827
rs13016696	FLJ34931	2	29140409	2	4.920859
rs10495767	FLJ34931	2	29140696	2	4.685268
rs10495767	FLJ34931	2	29140696	4	1.988565
rs10495767	FLJ34931	2	29140696	3	0.324668
rs10196859	FLJ34931	2	29140731	2	2.348646
rs10196859	FLJ34931	2	29140731	3	1.43534
rs10196859	FLJ34931	2	29140731	4	0.830587
rs10182566	FLJ34931	2	29141212	3	0.295117
rs10182566	FLJ34931	2	29141212	2	3.880907
rs10182566	FLJ34931	2	29141212	4	0.683727
rs13385188	FLJ34931	2	29149180	2	4.129825
rs13385188	FLJ34931	2	29149180	4	0.797581
rs13385188	FLJ34931	2	29149180	3	0.513517
SNP2-29236760	CLIP4	2	29236760	6	3.476783
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rs3795850	ALK	2	29298962	5	0.184963
rs2293563	ALK	2	29303323	7	1.146494
rs2246745	ALK	2	29794033	2	0.820913
rs2246745	ALK	2	29794033	1	0.022882
rs2246745	ALK	2	29794033	7	0.242692
rs2246745	ALK	2	29794033	3	0.380785

rs13386455	LBH	2	30334369	5	1.384199
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rs10171296	LBH	2	30334813	8	7.407332
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rs10171305	LBH	2	30334847	5	0.302115
rs10171305	LBH	2	30334847	8	9.049255
rs9558	LBH	2	30335421	5	0.809001
rs2609945	LYCAT	2	30717830	8	0.033541
rs2609945	LYCAT	2	30717830	4	1.810189
rs2280404	CAPN13	2	30799400	7	1.169802
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SNP2-30829465	CAPN13	2	30829465	1	5.367603
rs508405	CAPN13	2	30834444	7	0.649293
rs508405	CAPN13	2	30834444	8	0.180978
rs13021213	CAPN13	2	30863716	5	0.591957
rs2288100	GALNT14	2	31032322	5	0.326022
rs2288100	GALNT14	2	31032322	8	0.776052
rs4952051	CAPN14	2	31249690	7	1.114593
rs4952051	CAPN14	2	31249690	4	1.20652
rs4952051	CAPN14	2	31249690	3	1.312561
rs4952051	CAPN14	2	31249690	1	4.642566
rs12992405	CAPN14	2	31250836	3	0.034305
rs7422120	CAPN14	2	31264157	3	1.929215
rs7422120	CAPN14	2	31264157	4	2.895924
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rs7587515	CAPN14	2	31268355	1	2.033887
rs7587515	CAPN14	2	31268355	3	0.010599
rs7587515	CAPN14	2	31268355	7	1.019443
rs644926	EHD3	2	31343231	6	5.051698
rs630359	EHD3	2	31344220	7	1.10362
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rs207440	XDH	2	31415916	8	5.360904
rs1884725	XDH	2	31425290	1	1.657722
rs2295475	XDH	2	31443351	5	0.207578
rs4407290	XDH	2	31460174	5	0.071603
rs9332975	SRD5A2	2	31603921	3	1.136973
rs455060	NLRC4	2	32328613	5	0.235534
rs455060	NLRC4	2	32328613	8	0.783504
rs455060	NLRC4	2	32328613	1	3.752821
rs2366894	BIRC6	2	32567210	4	0.957239
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rs2366894	BIRC6	2	32567210	1	5.333364
rs1043463	BIRC6	2	32696799	5	0.0109
rs1043463	BIRC6	2	32696799	6	0.869098
SNP2-32718938	TTC27	2	32718938	5	0.348312
rs2290448	LTBP1	2	33300706	3	1.904879



rs2290448	LTBP1	2	33300706	5	0.076923
rs2290448	LTBP1	2	33300706	8	1.225933
rs2290448	LTBP1	2	33300706	6	0.030631
rs2290448	LTBP1	2	33300706	7	0.766211
rs6706620	LTBP1	2	33426059	2	4.278419
rs6706620	LTBP1	2	33426059	1	0.235501
rs6706620	LTBP1	2	33426059	3	0.483356
rs6543720	RASGRP3	2	33590361	3	0.567296
rs6543720	RASGRP3	2	33590361	2	2.74879
rs35933402	RASGRP3	2	33612899	1	4.904894
SNP2-33617680	RASGRP3	2	33617680	7	1.562397
rs10514775	RASGRP3	2	33642536	6	0.535981
rs10514775	RASGRP3	2	33642536	2	6.302676
rs10514775	RASGRP3	2	33642536	8	4.109948
rs6709378	RASGRP3	2	33642572	6	9.308905
rs6709378	RASGRP3	2	33642572	3	0.288518
rs6709378	RASGRP3	2	33642572	4	4.04785
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rs6708	RASGRP3	2	33643038	1	0.59652
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rs6708	RASGRP3	2	33643038	7	0.806881
rs6708	RASGRP3	2	33643038	4	0.150949
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rs6708	RASGRP3	2	33643038	6	0.2035
rs11684598	MYADML	2	33806125	7	5.533273
rs11684598	MYADML	2	33806125	2	7.571303
rs11684598	MYADML	2	33806125	5	5.585907
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rs11684598	MYADML	2	33806125	6	5.023058
rs1045543	CRIM1	2	36629775	4	0.056951
rs1045543	CRIM1	2	36629775	8	5.114505
rs1045543	CRIM1	2	36629775	5	0.184955
rs1045543	CRIM1	2	36629775	3	0.257688
rs848642	FEZ2	2	36636390	6	0.116612
rs848642	FEZ2	2	36636390	3	0.082316
rs848642	FEZ2	2	36636390	8	0.736494
rs2072526	VIT	2	36889438	5	0.57056
rs12474977	CCDC75	2	37176964	2	4.374189
rs45439591	SULT6B1	2	37255860	1	1.069527
rs3213745	CEBPZ	2	37312215	4	0.282881
rs3213745	CEBPZ	2	37312215	1	0.97763
rs3213745	CEBPZ	2	37312215	7	1.585878
rs3213745	CEBPZ	2	37312215	2	4.070561
rs10177176	PRKD3	2	37371549	2	0.733101
rs10177176	PRKD3	2	37371549	7	0.244094
rs4670697	QPCT	2	37453492	2	5.726591
rs3731852	CDC42EP3	2	37724441	3	0.203787

rs3731852	CDC42EP3	2	37724441	2	3.998043
rs3731852	CDC42EP3	2	37724441	4	8.111798
rs10694	CDC42EP3	2	37725643	3	0.153388
rs4670779	LOC344382	2	37897848	5	7.146269
rs4670779	LOC344382	2	37897848	4	0.985523
rs4670799	FAM82A	2	38031910	1	2.651239
rs4670799	FAM82A	2	38031910	5	1.281789
rs4670799	FAM82A	2	38031910	6	0.447555
rs4670799	FAM82A	2	38031910	8	0.162657
rs4670799	FAM82A	2	38031910	4	0.064795
rs4670799	FAM82A	2	38031910	3	0.366533
rs4670799	FAM82A	2	38031910	7	0.219978
rs9341266	CYP1B1	2	38149498	7	6.075586
rs232620	C2orf58	2	38212168	3	0.417574
rs232620	C2orf58	2	38212168	4	2.011558
rs232620	C2orf58	2	38212168	6	0.083579
rs17420264	LOC391367	2	38366297	4	1.027684
rs2121897	LOC391367	2	38366589	8	0.727325
rs2121897	LOC391367	2	38366589	4	0.209445
rs34873284	ARL6IP2	2	38391083	2	2.15184
rs34873284	ARL6IP2	2	38391083	5	3.155916
rs34873284	ARL6IP2	2	38391083	7	0.723452
rs6741892	GALM	2	38770474	4	0.317235
rs6741892	GALM	2	38770474	5	3.608438
rs3112178	GALM	2	38814471	7	0.058554
rs3770681	DHX57	2	38903645	7	0.411721
rs3770681	DHX57	2	38903645	3	1.23445
rs3770681	DHX57	2	38903645	6	0.073924
rs13386861	LDHAL3	2	41901360	4	5.454267
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rs4952530	FLJ44450	2	41971005	5	0.631283
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rs4952530	FLJ44450	2	41971005	2	0.985062
rs4633960	FLJ44450	2	41973654	1	0.09993
rs4633960	FLJ44450	2	41973654	3	0.772751
rs4633960	FLJ44450	2	41973654	6	0.789412
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rs4633961	FLJ44450	2	41973702	6	0.43531
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rs4633961	FLJ44450	2	41973702	3	0.732029
rs4633961	FLJ44450	2	41973702	5	2.57825
rs2374377	FLJ44450	2	41973810	3	1.828288
rs2374377	FLJ44450	2	41973810	6	2.599187
rs2374377	FLJ44450	2	41973810	1	2.151684
rs2374377	FLJ44450	2	41973810	5	1.428773
rs2374378	FLJ44450	2	41973864	1	1.143053
rs2374378	FLJ44450	2	41973864	3	1.700727

rs2374378	FLJ44450	2	41973864	5	0.888766
rs2374378	FLJ44450	2	41973864	6	2.871982
rs2374378	FLJ44450	2	41973864	2	2.95762
rs2374379	FLJ44450	2	41973947	3	1.114615
rs2374379	FLJ44450	2	41973947	1	0.285942
rs2374379	FLJ44450	2	41973947	6	1.043932
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rs1044305	LOC91461	2	42138388	1	1.761521
rs2424	LOC91461	2	42139079	6	0.370896
rs2424	LOC91461	2	42139079	8	0.24468
rs2424	LOC91461	2	42139079	2	0.666734
rs1997	COX7A2L	2	42431310	2	0.386264
rs1997	COX7A2L	2	42431310	5	0.884871
rs1997	COX7A2L	2	42431310	1	0.424726
rs11684852	KCNG3	2	42523124	5	3.840014
rs11691584	KCNG3	2	42523902	5	3.101748
rs3796075	NULL	2	42575914	4	0.805118
rs3796075	NULL	2	42575914	5	0.920293
rs3796075	NULL	2	42575914	3	0.755243
rs2278584	OXER1	2	42843248	4	0.121679
rs2278584	OXER1	2	42843248	5	1.227208
rs2278585	OXER1	2	42843498	5	0.515714
rs2304661	HAAO	2	42847988	5	0.538927
rs2304661	HAAO	2	42847988	8	0.837976
rs2304661	HAAO	2	42847988	3	0.801377
rs3816182	HAAO	2	42869208	1	4.423907
rs3816182	HAAO	2	42869208	5	6.038279
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rs745763	MGC40574	2	43309158	1	4.476358
rs745763	MGC40574	2	43309158	4	0.288151
rs755862	hCG_1645220	2	43756015	3	0.009588
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rs755862	hCG_1645220	2	43756015	5	1.150309
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rs755862	hCG_1645220	2	43756015	4	0.095254
rs12623703	PLEKHH2	2	43780963	5	7.073549
rs12623703	PLEKHH2	2	43780963	4	0.411887
rs12623703	PLEKHH2	2	43780963	2	4.347815
rs10165660	PLEKHH2	2	43846952	5	0.376317
rs10165660	PLEKHH2	2	43846952	7	1.726084
rs13522	PLEKHH2	2	43848201	7	1.472641
rs13522	PLEKHH2	2	43848201	5	0.289611
rs13522	PLEKHH2	2	43848201	6	0.080432
rs13522	PLEKHH2	2	43848201	8	0.355383
rs9309107	DYNC2LI1	2	43875330	7	0.762563
rs9309107	DYNC2LI1	2	43875330	6	3.691742

rs9309107	DYNC2LI1	2	43875330	5	0.080333
rs9309107	DYNC2LI1	2	43875330	3	0.392479
rs9309107	DYNC2LI1	2	43875330	8	0.072253
rs2278357	ABCG5	2	43893343	4	0.047234
rs2278356	ABCG5	2	43893379	3	1.009912
rs6720173	ABCG5	2	43893905	2	3.14794
rs6720173	ABCG5	2	43893905	4	3.783362
rs6720173	ABCG5	2	43893905	6	4.747862
rs6544718	ABCG8	2	43958429	7	1.223908
rs6544718	ABCG8	2	43958429	6	1.111041
rs6544718	ABCG8	2	43958429	5	3.067353
rs3738985	SLC3A1	2	44356292	1	2.198367
rs3738985	SLC3A1	2	44356292	4	0.029306
rs3738985	SLC3A1	2	44356292	6	0.144203
rs3738985	SLC3A1	2	44356292	5	0.139335
rs3738985	SLC3A1	2	44356292	3	0.078043
rs343954	C2orf34	2	44853213	5	0.329846
rs343954	C2orf34	2	44853213	3	0.7117
rs2276655	SRBD1	2	45499016	3	0.113661
rs2276655	SRBD1	2	45499016	7	0.20352
rs880671	ATP6V1E2	2	46599760	6	4.600344
rs880671	ATP6V1E2	2	46599760	1	6.129206
rs880671	ATP6V1E2	2	46599760	3	0.784609
rs896211	ATP6V1E2	2	46600186	2	4.361669
rs6544910	LOC730078	2	46735050	3	0.013713
rs6544910	LOC730078	2	46735050	1	0.157412
rs6544910	LOC730078	2	46735050	5	0.867805
rs17773492	LOC388948	2	46898825	1	5.051856
rs17773492	LOC388948	2	46898825	3	0.243483
rs17773492	LOC388948	2	46898825	6	4.037814
rs17773492	LOC388948	2	46898825	7	1.980349
rs17773492	LOC388948	2	46898825	5	1.376304
rs2278715	LOC388948	2	46902913	4	1.289383
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rs2278715	LOC388948	2	46902913	5	0.59634
rs2278715	LOC388948	2	46902913	6	7.278542
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rs1053952	LOC388948	2	46902957	4	0.211174
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rs1053952	LOC388948	2	46902957	1	0.236064
rs1053952	LOC388948	2	46902957	2	0.520085
rs17035887	MCFD2	2	46983448	8	7.840705
rs17480869	TTC7A	2	47074126	6	3.130838
rs3739100	TTC7A	2	47132405	2	5.307766
rs815804	C2orf61	2	47235846	7	1.496404
rs815804	C2orf61	2	47235846	6	0.852489

rs11675417	hCG_2040054	2	47607949	1	1.167304
rs35742253	FOXN2	2	48427379	7	1.751073
rs13015195	FLJ46838	2	48611087	5	0.352501
rs13410391	FLJ46838	2	48611327	6	0.605698
rs940389	STON1	2	48661656	6	3.212384
rs940389	STON1	2	48661656	5	0.124421
rs3749145	STON1	2	48662402	5	0.618189
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rs3749145	STON1	2	48662402	6	1.677509
rs3792234	STON1	2	48663097	3	0.33818
rs3792234	STON1	2	48663097	4	0.246043
rs3792234	STON1	2	48663097	8	2.586419
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rs3792234	STON1	2	48663097	7	0.330834
rs2140551	STON1	2	48675885	5	0.123398
rs2140551	STON1	2	48675885	3	0.90124
SNP2-48679154	STON1	2	48679154	3	0.429693
rs13396590	GTF2A1L	2	48727166	3	2.447988
SNP2-48727429	GTF2A1L	2	48727429	3	2.250553
rs11125179	LHCGR	2	48769375	7	2.63399
rs6165	FSHR	2	49044545	3	0.540847
rs1394205	FSHR	2	49235089	8	0.882347
rs1394205	FSHR	2	49235089	4	1.365278
rs3930	ASB3	2	53751029	3	0.088612
rs3930	ASB3	2	53751029	2	6.149338
rs3930	ASB3	2	53751029	5	0.242815
rs1049894	PSME4	2	53947460	1	3.846778
rs805408	PSME4	2	53973529	6	6.108166
rs805408	PSME4	2	53973529	4	0.319089
rs805408	PSME4	2	53973529	2	4.413
rs805423	PSME4	2	53980545	1	0.130834
rs805423	PSME4	2	53980545	6	0.115004
rs805423	PSME4	2	53980545	5	0.287878
rs805423	PSME4	2	53980545	2	1.223279
rs805316	PSME4	2	53987248	6	0.265163
rs805316	PSME4	2	53987248	2	3.227284
rs805316	PSME4	2	53987248	4	0.326656
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rs1974771	LOC729060	2	54132047	4	0.250954
rs7590819	LOC729060	2	54132108	4	0.647679
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rs1833497	LOC729060	2	54132827	8	3.749757
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rs843706	TSPYL6	2	54333873	3	0.923829
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rs843705	TSPYL6	2	54335096	7	0.268315
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rs10165485	TSPYL6	2	54335140	3	1.062643
rs843704	TSPYL6	2	54336468	5	0.907312
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rs3796022	RPL23AP13	2	54608733	5	1.00107
rs3796022	RPL23AP13	2	54608733	4	3.901909
rs17346629	FLJ42562	2	55039898	5	0.012721
rs9677948	C2orf63	2	55290438	7	0.672392
SNP2-55312877	C2orf63	2	55312877	1	3.065985
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rs17347807	CCDC88A	2	55370791	2	5.245164
rs3748943	NULL	2	55500265	2	1.057528
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rs782652	PNPT1	2	55716279	1	0.21464
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rs11902680	CCDC85A	2	56465229	1	1.180084
rs11902680	CCDC85A	2	56465229	4	0.322885
rs10198826	LOC442017	2	60763537	6	0.44871
rs10198826	LOC442017	2	60763537	4	0.779301
rs12479056	PUS10	2	61028816	8	0.489763
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rs1979045	KIAA1841	2	61218259	4	0.264203
rs3213944	LOC339804	2	61225802	7	0.262524
rs3213944	LOC339804	2	61225802	3	0.646875
rs746032	AHSA2	2	61258512	3	0.506294
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GA020328	XPO1	2	61618578	3	0.709533
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GA020328	XPO1	2	61618578	7	4.082625
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rs11125895	FLJ13305	2	61922862	7	0.45575

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rs4270331	FLJ13305	2	61934516	3	1.362713
rs4233979	TMEM17	2	62581406	3	0.815466
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rs4293553	FLJ36848	2	63921212	6	0.444085
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rs1837484	PELI1	2	64191245	2	0.392959
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rs3816281	PLEK	2	68461451	5	1.222078
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rs3816281	PLEK	2	68461451	3	0.006532
rs1063479	PLEK	2	68476418	7	0.991533

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rs1050181	PLEK	2	68476456	7	0.563785
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rs6725743	PLEK	2	68476494	3	0.96719
rs6742200	PLEK	2	68476806	3	0.783129
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rs17604346	ARHGAP25	2	68899910	5	1.595882
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rs3749132	ARHGAP25	2	68907001	5	0.517292
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rs2276689	AAK1	2	69595113	4	0.37972
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rs7603932	AAK1	2	69599800	5	6.347324
rs3087933	SASP	2	70041042	5	0.087012
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rs11556184	PCYOX1	2	70338824	4	1.472136
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rs2166975	TGFA	2	70531502	4	0.35163
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rs7566541	FIGLA	2	70866112	4	2.366866
rs7566476	FIGLA	2	70866242	3	0.619491
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rs2287100	CLEC4F	2	70889590	4	3.968898
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rs722896	CLEC4F	2	70896969	4	4.241319
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rs17718987	CD207	2	70914444	8	0.469173
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rs17662453	CD207	2	70914616	7	1.527147
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rs6741336	DYSF	2	71534458	8	9.065283
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rs36122356	DYSF	2	71601431	4	0.256312
rs36122356	DYSF	2	71601431	6	1.179999

rs35984374	DYSF	2	71632337	2	5.110435
rs2303596	DYSF	2	71633723	3	0.528635
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rs2288355	DYSF	2	71648660	8	0.04167
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rs2017116	ALMS1	2	73570611	2	4.65774
rs1052161	ALMS1	2	73682046	8	5.297065
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rs17009399	STAMBP	2	73909821	7	0.809126
rs4853018	SLC4A5	2	74320102	6	0.475929
rs4853018	SLC4A5	2	74320102	8	1.1149
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rs17009792	SLC4A5	2	74342831	8	0.007882
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rs6546909	DQX1	2	74599830	5	0.050498
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rs881	TACR1	2	75129937	8	0.808716
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rs1982543	LOC442021	2	81275213	5	0.709292
rs1968722	LOC388965	2	84371949	5	5.565535
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rs1968722	LOC388965	2	84371949	2	5.253104
rs11891970	FLJ37357	2	84654116	6	1.299338
rs11891970	FLJ37357	2	84654116	5	1.842545
rs11547160	TCF7L1	2	85389926	5	5.152011
rs7607284	TGOLN2	2	85400887	1	5.086196
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rs1112848	TGOLN2	2	85403255	1	4.614552
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rs7564372	RBED1	2	85443797	6	6.150508
rs955592	RBED1	2	85449329	8	0.929
SNP2-85471424	RBED1	2	85471424	5	0.623268
rs11544042	USP39	2	85696859	1	5.729866
rs2304564	USP39	2	85706178	5	0.719279
rs7316	SFTPB	2	85739524	1	2.005895
rs11127	GNLY	2	85778240	8	2.139896
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rs12845	GNLY	2	85779359	8	1.559427
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rs3821204	IL1RL1	2	102326713	7	4.106587

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rs17013371	STEAP3	2	119721782	1	5.694355
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rs35837041	LOC389049	2	132197350	3	3.847392
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rs10928526	YSK4	2	135462192	3	0.646335
SNP2-135704597	ZRANB3	2	135704597	5	6.119285
rs1042712	LCT	2	136262314	1	0.552862
rs1042712	LCT	2	136262314	4	0.269792
rs1042712	LCT	2	136262314	3	0.197085
rs1042712	LCT	2	136262314	2	5.43762
rs1042712	LCT	2	136262314	7	4.035404
rs1042712	LCT	2	136262314	5	0.813375
rs2322659	LCT	2	136272129	5	0.100879
rs2322659	LCT	2	136272129	7	0.819916
rs2322659	LCT	2	136272129	1	1.018259
rs2322659	LCT	2	136272129	3	1.340725
rs2304371	LCT	2	136278027	3	1.124464
rs3754689	LCT	2	136307216	3	1.443035
rs3754689	LCT	2	136307216	5	0.38201
rs6738266	DARS	2	136459642	5	0.313958
rs4954474	THSD7B	2	137634392	5	0.120574
rs4245861	HNMT	2	138489164	3	0.116991
rs4245861	HNMT	2	138489164	1	5.653292
rs4646333	HNMT	2	138489699	1	4.759117
rs4646333	HNMT	2	138489699	3	0.835377
rs1455158	HNMT	2	138490108	3	0.348905
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rs1455156	HNMT	2	138490281	1	5.195306
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rs6726278	LOC440917	2	138761322	3	4.984139
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rs13033503	LOC440917	2	138762457	7	0.162848
rs13033503	LOC440917	2	138762457	1	0.059833
rs13382964	LOC440917	2	138762855	1	2.963834
rs4954919	LOC647002	2	138781881	8	4.36268
rs13404361	SPOPL	2	139045361	5	5.824294
rs12470151	LOC129560	2	139375744	3	2.324576
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rs1486961	LRP1B	2	140705983	1	5.068112
rs16843826	LRP1B	2	140825001	7	0.870716
rs16843864	LRP1B	2	140847165	7	0.850534
rs16843864	LRP1B	2	140847165	8	0.472411
rs4954672	LRP1B	2	140991046	2	2.497311
rs4954672	LRP1B	2	140991046	5	0.449836
rs10164457	LRP1B	2	142605607	7	0.898922

rs10211565	LRP1B	2	142605624	2	3.06907
rs897172	ORC4L	2	148494742	3	0.025003
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rs4667393	FLJ32955	2	150423086	3	0.872257
rs11551174	NMI	2	151843661	5	5.31268
SNP2-151928756	TNFAIP6	2	151928756	1	1.303127
rs1046668	TNFAIP6	2	151934816	1	2.136594
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rs17810398	DAPL1	2	159369116	7	1.205178
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rs1126842	CD302	2	160335563	1	0.083224
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rs13414203	SCN9A	2	166853388	5	0.179188
rs11888208	SCN7A	2	167021697	5	0.905887
rs7565062	SCN7A	2	167042331	2	2.500375
SNP2-167813941	XIRP2	2	167813941	7	0.730606
SNP2-167824043	XIRP2	2	167824043	4	0.540148
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rs2232328	G6PC2	2	169472792	5	0.521077
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rs495714	ABCB11	2	169488010	7	1.75788
rs473351	ABCB11	2	169488142	7	0.816112
rs473351	ABCB11	2	169488142	2	4.056575
rs497692	ABCB11	2	169497262	8	4.071955
SNP2-169533229	ABCB11	2	169533229	7	0.244113
rs2287622	ABCB11	2	169538574	3	1.076916

rs2287622	ABCB11	2	169538574	7	1.394536
rs7563233	ABCB11	2	169550992	7	0.300443
rs3732040	DHRS9	2	169660776	7	0.866632
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rs830994	LRP2	2	169837774	3	2.505153
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rs788172	DLX1	2	172661684	3	0.393922
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rs788173	DLX1	2	172661706	7	1.252899
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SNP2-173839638	ZAK	2	173839638	3	0.056042
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rs3739153	OLA1	2	174645524	5	0.286979
rs3739153	OLA1	2	174645524	8	3.949429
rs3739153	OLA1	2	174645524	3	0.636957
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rs12621733	KIAA1715	2	176499888	2	5.319823
rs12622749	KIAA1715	2	176501175	2	3.613944
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rs4894029	TTN	2	179156094	5	4.461214
rs2042996	TTN	2	179159666	5	2.881787
rs2163009	TTN	2	179163453	5	3.351889
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rs922984	TTN	2	179324132	5	3.514907
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rs2306636	TTN	2	179343181	5	0.079342
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rs192618	DNAJC10	2	183335749	7	0.588282
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rs2675117	KRT8P10	2	183645160	1	0.238928
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rs2368335	DUSP19	2	183669913	1	0.633379
rs2705730	DUSP19	2	183671935	8	0.028561
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rs2682851	KIAA1946	2	187336567	4	0.462303
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SNP2-190772998	MGC13057	2	190772998	8	0.007279
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rs6719500	DNAH7	2	196533647	3	1.862775
rs6434811	DNAH7	2	196574665	3	0.157894
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rs7577213	HECW2	2	197165486	3	0.158077
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rs11903403	CPO	2	207532629	5	0.5429
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rs10932349	CPS1	2	211251334	5	0.692757
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rs1127101	C2orf24	2	219748574	7	1.287364
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rs3795905	FAM132B	2	238740551	5	0.894137
rs3820817	FAM132B	2	238740674	6	1.400593
rs3820817	FAM132B	2	238740674	1	1.076904
rs7572285	LOC151174	2	238798795	8	0.222861
rs7572285	LOC151174	2	238798795	4	0.337528
rs7572285	LOC151174	2	238798795	1	1.774727
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SNP2-238826696	PER2	2	238826696	2	4.928748
rs2304670	PER2	2	238830375	5	0.039221
rs477041	ASB1	2	239020734	5	5.489948
rs477041	ASB1	2	239020734	4	0.029565
rs514795	ASB1	2	239023591	3	0.05204
rs514795	ASB1	2	239023591	1	6.316457
rs514795	ASB1	2	239023591	5	0.181965
rs514795	ASB1	2	239023591	4	4.281373
rs514795	ASB1	2	239023591	6	0.270879
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rs13393217	HDAC4	2	239637498	3	0.634982
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rs11683242	FLJ45964	2	240165231	5	0.794642
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rs2008714	FLJ45964	2	240172268	7	0.909372
rs2008714	FLJ45964	2	240172268	4	0.720173
rs1574030	LOC150935	2	240386665	3	1.077158
rs6728493	LOC643905	2	240629935	3	1.254269
rs6732185	LOC643905	2	240630048	1	0.940926
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rs4292120	MYEOV2	2	240714953	6	0.12659
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rs2228331	GPC1	2	241054201	5	0.437016
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rs13013933	GPC1	2	241055203	2	3.743162
rs3792215	GPC1	2	241055322	2	2.07678
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rs3749166	CAPN10	2	241186094	6	7.126569
rs3749172	GPR35	2	241218922	6	1.674213
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rs4426527	AGXT	2	241466189	7	1.118155
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rs17440466	SNED1	2	241659757	3	0.41513
rs2108485	SNED1	2	241670415	1	6.406624
rs4035	MTERFD2	2	241675281	1	3.622922
rs2067987	MTERFD2	2	241676599	3	0.281533
rs10933529	MTERFD2	2	241676955	1	5.140904
SNP2-241678099	MTERFD2	2	241678099	1	6.920903
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rs16843242	SNED1	2	241679954	1	4.605184
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rs3815291	SNED1	2	241681213	1	0.53913
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rs2240542	PASK	2	241714987	5	0.34625
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rs1470414	PASK	2	241726169	1	0.991883
rs6709462	PASK	2	241730935	8	1.674848
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SNP2-242056261	FARP2	2	242056261	4	0.54682
SNP2-242056261	FARP2	2	242056261	7	0.386424
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SNP2-242463033	FLJ33590	2	242463033	4	2.570156
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rs7629924	CNTN4	3	3042850	1	1.951142
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rs6790908	CNTN4	3	3051401	8	0.611375
rs6803232	CNTN4	3	3051443	5	1.681005

rs6803232	CNTN4	3	3051443	8	1.269548
rs6802588	CNTN4	3	3056750	5	0.423725
rs6802588	CNTN4	3	3056750	3	0.512915
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rs1485175	GRM7	3	7595789	6	0.541172
rs1485174	GRM7	3	7595828	5	1.678254
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rs2324728	OXTR	3	8767728	6	0.419991
rs9872310	OXTR	3	8768381	3	1.09122
rs9872310	OXTR	3	8768381	6	0.001323
rs6770632	OXTR	3	8768724	2	2.02348
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rs6770632	OXTR	3	8768724	6	0.741615
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rs1042778	OXTR	3	8769545	6	2.439414
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rs2596912	LOC440944	3	9413746	5	1.064739
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rs2596912	LOC440944	3	9413746	6	0.329577
rs2596912	LOC440944	3	9413746	7	0.130485
rs2596912	LOC440944	3	9413746	3	0.980896
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SNP3-9965800	PRRT3	3	9965800	1	3.065895
SNP3-9966101	PRRT3	3	9966101	4	1.665229
SNP3-9966101	PRRT3	3	9966101	1	3.382405
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rs514658	TATDN2	3	10296734	5	0.212453
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rs35674	ATP2B2	3	10343577	1	0.7566
rs35674	ATP2B2	3	10343577	4	0.635261
rs35674	ATP2B2	3	10343577	5	1.184632
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rs1719571	ATP2B2	3	10344180	8	1.280713
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rs2067466	HRH1	3	11275780	3	0.120612
rs1809049	HRH1	3	11277884	5	0.856134

rs346070	HRH1	3	11278874	3	0.56989
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rs4684883	CAND2	3	12836586	1	1.683086
rs3817121	CAND2	3	12836608	1	3.030381
rs1079361	CAND2	3	12850880	3	0.394885
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rs34230332	C3orf20	3	14700882	4	2.363243
rs6765537	C3orf20	3	14730576	8	1.384221
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rs6790129	C3orf20	3	14730621	7	0.084732
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rs6790129	C3orf20	3	14730621	8	0.891515
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rs17536979	NR2C2	3	15055700	7	0.346723
rs4685240	LOC344875	3	15178176	7	1.108846
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rs11705926	LOC344875	3	15181721	3	0.068744
rs7639618	LOC344875	3	15191433	4	0.738431
rs1563415	EAF1	3	15451015	3	0.577494
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rs1563415	EAF1	3	15451015	1	3.328384
rs1563415	EAF1	3	15451015	5	5.716446
rs17041129	EAF1	3	15455730	7	0.188132
rs6778562	EAF1	3	15457779	1	5.561567
rs6778562	EAF1	3	15457779	6	6.874013
rs3274	COLQ	3	15466760	6	0.62461
rs3274	COLQ	3	15466760	4	1.003944
rs10154896	COLQ	3	15467640	1	5.607007
rs983600	ANKRD28	3	15684144	7	5.516518
rs2271077	GALNTL2	3	16236424	3	0.456221
rs15767	GALNTL2	3	16243978	5	0.236153
rs15767	GALNTL2	3	16243978	3	0.706483

rs15767	GALNTL2	3	16243978	1	0.191511
rs14210	GALNTL2	3	16244070	1	0.901257
rs14210	GALNTL2	3	16244070	6	0.186881
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rs842424	RFTN1	3	16332982	2	3.654417
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rs842424	RFTN1	3	16332982	6	0.251018
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SNP3-16339958	RFTN1	3	16339958	6	3.304168
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SNP3-19934760	EFHB	3	19934760	5	0.451088
rs2929362	EFHB	3	19936335	1	3.337523
rs17180771	EFHB	3	19950143	3	0.75221
rs2929349	EFHB	3	19950586	2	5.744276
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rs8682	RAB5A	3	20001413	6	0.694836
rs3021408	PCAF	3	20088834	6	3.433481
rs3021408	PCAF	3	20088834	7	2.148387
rs1052930	SGOL1	3	20187193	6	2.711068
rs1052930	SGOL1	3	20187193	7	0.601099
rs826371	THRB	3	24138649	4	0.149325
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rs3752874	THRB	3	24159999	4	0.639704
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rs3752874	THRB	3	24159999	7	2.745291
rs11129270	NEK10	3	27232947	1	3.387799
rs3213930	NEK10	3	27272820	7	1.835605
rs3213930	NEK10	3	27272820	5	0.077506
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rs11129280	NEK10	3	27301101	3	1.496449
rs10510594	NEK10	3	27301455	5	0.327307

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rs45549732	STAC	3	36502724	4	0.585643
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rs12630114	DLEC1	3	38126735	3	0.328607
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rs2073714	SLC22A14	3	38322855	8	0.308864
rs818819	SLC22A14	3	38325483	8	1.614816
rs818818	SLC22A14	3	38325523	8	0.448198
rs818817	SLC22A14	3	38325547	8	0.972975
rs240033	SLC22A14	3	38332965	5	0.370577
rs1805124	SCN5A	3	38620424	1	0.948835
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rs17852414	WDR48	3	39110555	8	0.580835
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rs3772146	RPSA	3	39423208	2	0.364636

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rs13081294	MYRIP	3	40276277	1	0.686478
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rs2272007	ULK4	3	41971140	3	0.281926
rs7372751	TRAK1	3	42227928	6	0.312319
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rs13100959	ZNF197	3	44641610	2	2.397785
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rs17376517	ZNF502	3	44740225	8	0.202663
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rs17213127	SLC6A20	3	45773230	1	4.820834
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rs6441934	FYCO1	3	45937806	4	6.446305
rs13079869	FYCO1	3	45983091	6	0.359992
rs3796375	FYCO1	3	45983794	5	0.20411
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rs4682801	FYCO1	3	45996222	4	0.337686
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rs3136667	CCR1	3	46219288	1	1.188906
rs2037391	RTP3	3	46514527	3	0.756549
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rs1531875	PTPN23	3	47427790	6	0.582971
rs1875103	MAP4	3	47869105	4	0.023422
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rs9862913	MAP4	3	47991176	4	0.3292
rs11711953	MAP4	3	48015287	6	0.598888
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rs11718350	SPINK8	3	48335996	4	1.78135
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rs2228561	COL7A1	3	48603018	3	1.089085
rs9834639	TMEM89	3	48634013	3	0.041358
rs13324142	SLC26A6	3	48644451	3	0.933038
rs6773261	CELSR3	3	48650068	3	4.786842
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rs3821875	CELSR3	3	48672658	3	0.011762

rs3087866	DALRD3	3	49029696	7	0.013972
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rs11552724	USP19	3	49131477	3	0.118443
rs4279134	USP19	3	49131680	6	0.699873
rs4279134	USP19	3	49131680	7	0.507077
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rs4279134	USP19	3	49131680	5	4.671595
rs34759087	LAMB2	3	49137288	7	0.349207
rs34759087	LAMB2	3	49137288	2	0.163154
rs1134043	CCDC71	3	49175141	3	0.043265
rs9837625	LOC646498	3	49190970	3	0.855689
rs12715434	CCDC36	3	49270029	3	0.619929
rs7626076	STGC3	3	49273143	5	0.301201
rs13077498	C3orf62	3	49288982	3	0.006426
rs3448	RHOA	3	49371755	5	0.373296
rs3448	RHOA	3	49371755	7	0.171372
rs3448	RHOA	3	49371755	6	0.201607
rs1464569	NICN1	3	49435354	7	1.15368
rs1464569	NICN1	3	49435354	6	1.624363
rs1464569	NICN1	3	49435354	5	0.865241
rs4855839	DAG1	3	49482851	3	0.699781
rs4855839	DAG1	3	49482851	5	0.176901
SNP3-49664214	BSN	3	49664214	6	1.031811
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SNP3-49664214	BSN	3	49664214	7	0.937833
SNP3-49664214	BSN	3	49664214	3	0.723549
rs11709525	BSN	3	49665500	7	0.046471
rs11709525	BSN	3	49665500	3	0.706057
rs9858542	BSN	3	49676987	6	0.029886
rs9823546	BSN	3	49680516	4	0.279406
rs9823546	BSN	3	49680516	7	0.125759
rs9823546	BSN	3	49680516	3	0.039368
rs9823546	BSN	3	49680516	6	0.9949
rs9823546	BSN	3	49680516	1	1.941916
GA003289	BSN	3	49681742	3	0.903362
GA003289	BSN	3	49681742	1	2.967221
GA003289	BSN	3	49681742	5	0.530381
GA003289	BSN	3	49681742	7	0.823949
GA003289	BSN	3	49681742	4	0.487043
rs1060962	BSN	3	49683506	7	0.676182
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rs1060962	BSN	3	49683506	3	0.220629
rs1060962	BSN	3	49683506	5	0.104074
rs1060962	BSN	3	49683506	4	1.251421
rs1060970	BSN	3	49683773	1	0.082224
rs1060970	BSN	3	49683773	4	0.446979
rs1060970	BSN	3	49683773	7	0.471784

rs1131095	APEH	3	49689229	3	0.754605
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rs1131095	APEH	3	49689229	7	0.7282
rs1131095	APEH	3	49689229	1	1.599442
rs1131095	APEH	3	49689229	4	0.762273
SNP3-49724980	RNF123	3	49724980	3	0.271785
rs7628207	AMIGO3	3	49729974	5	0.216575
rs7628207	AMIGO3	3	49729974	6	0.636399
rs7629936	LOC389118	3	49811711	5	1.212298
rs6797500	CAMKV	3	49871622	3	0.042188
rs6797500	CAMKV	3	49871622	1	0.196285
rs2681781	CAMKV	3	49873277	3	0.866662
rs2681781	CAMKV	3	49873277	6	1.935131
rs1317215	LOC389120	3	49887295	3	0.734617
rs1317215	LOC389120	3	49887295	1	1.022402
rs2230590	MST1R	3	49911106	6	0.408194
rs2230590	MST1R	3	49911106	3	0.800135
rs868891	MON1A	3	49924075	1	4.444382
rs868891	MON1A	3	49924075	6	5.972142
rs2023953	RBM6	3	50078921	3	0.271226
rs1138536	RBM5	3	50128360	1	3.911243
rs12629572	C3orf45	3	50299676	7	0.437072
rs12629572	C3orf45	3	50299676	8	0.917398
rs1076872	IFRD2	3	50304830	6	0.431664
rs1076872	IFRD2	3	50304830	7	7.00606
rs1076872	IFRD2	3	50304830	3	0.815516
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rs1076872	IFRD2	3	50304830	4	1.104702
rs13100173	HYAL3	3	50307701	3	0.547651
rs13100173	HYAL3	3	50307701	1	0.932595
rs13100173	HYAL3	3	50307701	2	0.130676
rs13100173	HYAL3	3	50307701	4	0.369058
rs13100173	HYAL3	3	50307701	6	7.802753
rs13100173	HYAL3	3	50307701	8	9.61539
rs28365992	HYAL1	3	50316000	7	1.934665
rs4687569	RBM15B	3	51407935	6	5.729859
rs4687569	RBM15B	3	51407935	8	0.789416
rs28547534	PARP3	3	51953260	2	5.42173
rs11924827	PCBP4	3	51966655	5	5.261898
rs11924827	PCBP4	3	51966655	2	0.455395
rs11924827	PCBP4	3	51966655	1	0.038122
rs893056	WDR51A	3	52084604	6	0.06823
rs893056	WDR51A	3	52084604	7	0.038053
rs352140	TLR9	3	52231737	5	0.523694
rs352140	TLR9	3	52231737	1	1.105432
rs352143	TWF2	3	52239947	6	0.002515
rs352143	TWF2	3	52239947	3	0.679043

rs164637	TWF2	3	52240255	6	0.976941
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rs11714402	DNAH1	3	52366775	3	1.03811
rs11714402	DNAH1	3	52366775	6	1.438003
rs419050	DNAH1	3	52401924	6	1.102475
rs11708581	DNAH1	3	52404028	3	1.306033
rs419752	DNAH1	3	52404705	6	0.958409
rs12163565	DNAH1	3	52405566	2	3.495168
rs12163565	DNAH1	3	52405566	3	0.621407
rs12163565	DNAH1	3	52405566	5	0.936758
rs13091025	SEMA3G	3	52442364	1	0.014062
rs1541495	NISCH	3	52467747	6	0.104772
rs1010553	STAB1	3	52515813	3	3.726261
rs9853056	STAB1	3	52530997	3	0.885537
rs9853056	STAB1	3	52530997	1	0.212558
rs7639267	NT5DC2	3	52543845	1	3.577575
rs7639267	NT5DC2	3	52543845	4	1.505673
rs7639267	NT5DC2	3	52543845	5	0.929178
rs7639267	NT5DC2	3	52543845	3	1.382197
rs2251219	PBRM1	3	52559827	4	5.025733
rs2251219	PBRM1	3	52559827	1	0.864538
rs2251219	PBRM1	3	52559827	5	1.054167
rs2251219	PBRM1	3	52559827	6	1.139796
rs2251219	PBRM1	3	52559827	2	4.797469
rs17264436	PBRM1	3	52585691	3	0.341168
rs1108842	GNL3	3	52695120	2	0.763327
rs1108842	GNL3	3	52695120	4	0.466987
rs1108842	GNL3	3	52695120	1	0.708093
rs1108842	GNL3	3	52695120	5	0.400453
rs6617	SPCS1	3	52715222	1	0.202517
rs6617	SPCS1	3	52715222	5	7.24275
rs6617	SPCS1	3	52715222	2	0.385017
rs6617	SPCS1	3	52715222	4	4.703485
rs6617	SPCS1	3	52715222	6	0.649538
rs1029871	NEK4	3	52772674	5	0.060412
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rs1029871	NEK4	3	52772674	6	0.450023
rs1029871	NEK4	3	52772674	4	0.905726
rs1029871	NEK4	3	52772674	2	7.251347
SNP3-52796051	ITIH1	3	52796051	1	0.605298
rs4687657	ITIH4	3	52827578	4	0.593899
rs4687657	ITIH4	3	52827578	8	4.848384
rs4687657	ITIH4	3	52827578	1	0.622448
rs4687657	ITIH4	3	52827578	2	1.713511
rs4687657	ITIH4	3	52827578	5	0.082947
rs2276816	ITIH4	3	52835856	1	0.329256
rs2276816	ITIH4	3	52835856	8	0.12606



rs2276816	ITIH4	3	52835856	2	0.272168
rs2276817	ITIH4	3	52835976	4	0.675829
rs2276817	ITIH4	3	52835976	1	0.288475
rs2276817	ITIH4	3	52835976	5	0.423873
rs2276817	ITIH4	3	52835976	2	1.184637
rs2071042	ITIH4	3	52839624	2	2.505161
rs2071042	ITIH4	3	52839624	5	1.244429
rs2071042	ITIH4	3	52839624	4	1.310237
rs2071042	ITIH4	3	52839624	1	1.364699
rs2071041	ITIH4	3	52839733	1	0.264973
rs11626	TMEM110	3	52849024	6	0.08332
rs7645611	RFT1	3	53100337	6	5.665905
rs2230494	PRKCD	3	53195255	5	0.217768
rs312480	CACNA1D	3	53504180	6	0.834459
rs2250736	CACNA1D	3	53675590	3	0.032357
rs17053501	CACNA1D	3	53779529	2	1.604125
rs2241808	CHDH	3	53831693	6	1.062796
rs2241808	CHDH	3	53831693	1	0.505418
SNP3-53832957	CHDH	3	53832957	1	0.524538
rs709324	IL17RB	3	53874605	8	1.68528
rs709324	IL17RB	3	53874605	6	0.319648
rs709324	IL17RB	3	53874605	5	0.075278
rs709324	IL17RB	3	53874605	7	0.362776
rs709324	IL17RB	3	53874605	3	0.510043
rs3773603	CACNA2D3	3	54855501	2	1.038514
rs3773603	CACNA2D3	3	54855501	1	0.858264
rs3773603	CACNA2D3	3	54855501	8	0.151764
rs17054524	CACNA2D3	3	54905834	3	2.352934
rs17054524	CACNA2D3	3	54905834	4	1.07215
rs17054785	CACNA2D3	3	55083189	2	1.530513
rs1047898	WNT5A	3	55474821	6	0.187329
rs1047898	WNT5A	3	55474821	1	0.821265
rs1047898	WNT5A	3	55474821	5	0.621812
rs1047898	WNT5A	3	55474821	4	4.183815
rs1047898	WNT5A	3	55474821	7	0.631649
rs1047898	WNT5A	3	55474821	2	1.835723
SNP3-56305441	ERC2	3	56305441	7	0.261337
rs3732514	C3orf63	3	56642520	2	2.81578
rs9835332	C3orf63	3	56642722	3	0.72938
rs9835332	C3orf63	3	56642722	2	3.210669
rs9835332	C3orf63	3	56642722	1	0.249919
rs9835332	C3orf63	3	56642722	8	0.46984
rs6767903	C3orf63	3	56672907	6	0.234809
rs6794450	C3orf63	3	56673306	6	0.62338
rs3732511	ARHGEF3	3	56741475	6	0.354427
rs3732511	ARHGEF3	3	56741475	2	0.64877
rs1545981	IL17RD	3	57115012	8	9.332832

rs1545981	IL17RD	3	57115012	3	0.501342
rs4299455	IL17RD	3	57178438	7	4.387544
rs4299455	IL17RD	3	57178438	3	1.063511
rs4299455	IL17RD	3	57178438	1	1.462082
rs2241988	2'-PDE	3	57517213	4	0.552349
rs2241988	2'-PDE	3	57517213	3	0.426102
rs2241988	2'-PDE	3	57517213	5	0.086948
rs2241988	2'-PDE	3	57517213	2	3.183205
rs7618684	2'-PDE	3	57521033	4	0.445839
rs7618684	2'-PDE	3	57521033	2	0.393349
rs7618684	2'-PDE	3	57521033	5	0.091469
rs7618684	2'-PDE	3	57521033	8	2.559079
rs6762914	FAM116A	3	57587663	8	0.909441
rs6762914	FAM116A	3	57587663	3	1.301307
rs17058639	SLMAP	3	57857641	3	0.419498
rs17058639	SLMAP	3	57857641	1	3.102363
rs2362903	FLNB	3	58087480	5	0.599663
rs2362903	FLNB	3	58087480	2	2.16664
rs2362903	FLNB	3	58087480	4	1.459248
rs2362903	FLNB	3	58087480	6	0.661747
rs13079906	FLNB	3	58129217	8	0.280875
rs13079906	FLNB	3	58129217	4	4.947257
rs1131264	FLNB	3	58132559	7	6.989631
rs1131264	FLNB	3	58132559	5	0.277586
rs1131264	FLNB	3	58132559	6	0.816759
rs1131264	FLNB	3	58132559	8	0.566435
rs11706920	ABHD6	3	58254712	7	0.514742
rs11706920	ABHD6	3	58254712	2	3.533196
rs9986	ABHD6	3	58255446	1	5.023186
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rs9986	ABHD6	3	58255446	3	0.397732
SNP3-58370903	PXK	3	58370903	1	4.058492
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SNP3-58370903	PXK	3	58370903	4	0.802658
SNP3-58370903	PXK	3	58370903	6	6.341396
SNP3-58385594	PXK	3	58385594	1	6.141477
SNP3-58385594	PXK	3	58385594	7	0.492298
SNP3-58385594	PXK	3	58385594	6	4.754912
SNP3-58385594	PXK	3	58385594	4	0.886246
rs7231	PDHB	3	58388505	2	2.187605
rs7231	PDHB	3	58388505	3	0.041174
rs7231	PDHB	3	58388505	6	0.017247
rs7614260	FAM107A	3	58526604	7	3.196118
rs2306671	FAM107A	3	58538191	4	0.451687
rs2306671	FAM107A	3	58538191	3	0.350388
rs2306671	FAM107A	3	58538191	7	0.272018
rs2306671	FAM107A	3	58538191	5	0.203622

rs17255497	FHIT	3	59972152	1	4.825147
rs17255497	FHIT	3	59972152	6	0.070879
rs2292245	PTPRG	3	62164229	1	4.187956
rs1046025	PSMD6	3	63971302	8	6.391796
rs1046025	PSMD6	3	63971302	7	8.81691
rs1046025	PSMD6	3	63971302	1	3.474777
rs697287	PRICKLE2	3	64186142	7	0.367683
rs697287	PRICKLE2	3	64186142	2	1.821635
rs6771712	ADAMTS9	3	64562858	1	5.011162
rs6771712	ADAMTS9	3	64562858	7	1.42378
rs11708083	MAGI1	3	65320068	6	4.44397
rs13874	SLC25A26	3	66502646	4	2.266997
rs13874	SLC25A26	3	66502646	7	0.43472
rs13874	SLC25A26	3	66502646	6	0.720899
rs332373	LRIG1	3	66513877	4	0.336027
rs6549143	FAM19A4	3	68864903	1	0.677237
rs4855535	FAM19A4	3	69017124	1	1.317953
rs1532918	TMF1	3	69165398	4	0.757447
rs1532918	TMF1	3	69165398	3	0.128944
rs1532918	TMF1	3	69165398	5	1.089545
rs1532918	TMF1	3	69165398	6	0.249279
GA003445	TMF1	3	69184059	7	1.312276
rs10489	ARL6IP5	3	69233842	2	5.222224
rs4361282	FRMD4B	3	69381923	3	0.709626
rs1498845	LOC642487	3	69667543	4	4.402659
rs1498845	LOC642487	3	69667543	6	6.461906
rs6549270	LOC654340	3	70257951	6	4.124765
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rs6549270	LOC654340	3	70257951	7	4.523854
rs4594588	NULL	3	70746879	3	1.892958
rs17008544	FOXP1	3	71491009	8	1.961163
SNP3-72974237	SHQ1	3	72974237	7	1.071245
rs2291463	PDZRN3	3	73536015	7	0.893006
rs2291463	PDZRN3	3	73536015	5	0.61712
rs2291463	PDZRN3	3	73536015	3	1.11327
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rs2291463	PDZRN3	3	73536015	8	0.084147
rs7623635	FAM86D	3	75559476	3	1.324148
SNP3-78767714	ROBO1	3	78767714	4	5.286971
rs2290081	GBE1	3	81893415	5	0.702752
rs35215849	LOC728144	3	86145880	3	2.165138
rs13074432	VGLL3	3	87072024	8	0.201297
rs13074432	VGLL3	3	87072024	4	1.123478
rs13074432	VGLL3	3	87072024	3	0.32903
rs13074432	VGLL3	3	87072024	1	1.188177
rs2279720	CHMP2B	3	87359389	4	0.515072
rs1051436	CGGBP1	3	88184220	2	3.670441

rs1398197	EPHA3	3	89581118	8	4.579704
SNP3-89604383	EPHA3	3	89604383	4	0.003424
SNP3-89604383	EPHA3	3	89604383	8	0.125806
rs1054750	EPHA3	3	89604415	4	0.93986
rs17855824	DHFRL1	3	95262550	1	5.335878
rs13316505	LOC644063	3	97552603	7	0.560951
rs13316505	LOC644063	3	97552603	4	0.630724
rs13316505	LOC644063	3	97552603	3	0.472731
rs4857294	ARL6	3	98999808	5	0.009726
rs9853906	OR5H6	3	99466632	3	1.849855
rs9822460	OR5K4	3	99556003	3	1.004157
rs13068323	OR5K3	3	99592330	7	0.884101
rs13068323	OR5K3	3	99592330	3	0.389089
SNP3-99790320	CPOX	3	99790320	3	0.224117
SNP3-99790320	CPOX	3	99790320	5	6.107597
SNP3-99790320	CPOX	3	99790320	4	7.428599
SNP3-99790320	CPOX	3	99790320	1	2.562432
rs16840059	LOC339843	3	99860047	7	3.329557
rs13080329	COL8A1	3	100946500	4	1.744588
rs13080329	COL8A1	3	100946500	6	1.210989
rs793440	FILIP1L	3	101125866	6	1.127402
rs793440	FILIP1L	3	101125866	7	1.701909
rs3796131	FILIP1L	3	101315599	6	0.577474
rs3796131	FILIP1L	3	101315599	4	0.212457
rs11537816	C3orf26	3	101369352	6	2.18915
rs11537816	C3orf26	3	101369352	7	1.228157
rs17213695	LOC391559	3	101427071	8	4.085075
rs17213695	LOC391559	3	101427071	5	4.089727
rs17213695	LOC391559	3	101427071	4	4.493928
rs7641299	LNP1	3	101653243	3	0.374322
rs7641299	LNP1	3	101653243	5	1.651097
rs7641299	LNP1	3	101653243	2	0.686253
rs1144122	GPR128	3	101837214	3	0.873233
rs1144122	GPR128	3	101837214	5	1.157826
rs1144122	GPR128	3	101837214	4	0.182715
rs1048364	ABI3BP	3	101951190	4	0.076648
rs1048364	ABI3BP	3	101951190	7	0.53165
rs10936352	ABI3BP	3	101956195	7	0.400267
rs10936352	ABI3BP	3	101956195	3	1.085717
rs10936352	ABI3BP	3	101956195	5	2.495293
rs2245370	ABI3BP	3	102100370	7	0.172237
rs2245370	ABI3BP	3	102100370	3	0.319392
rs2245370	ABI3BP	3	102100370	1	2.891508
rs3732895	ABI3BP	3	102194939	4	1.714965
rs348867	IMPG2	3	102432532	1	0.404683
rs348867	IMPG2	3	102432532	2	0.450312
rs348867	IMPG2	3	102432532	5	0.39192

rs348867	IMPG2	3	102432532	7	1.125138
rs348867	IMPG2	3	102432532	3	1.926516
rs571391	IMPG2	3	102445844	1	1.051096
rs571391	IMPG2	3	102445844	6	0.362151
rs571391	IMPG2	3	102445844	5	0.389872
rs571391	IMPG2	3	102445844	3	1.259148
rs571391	IMPG2	3	102445844	7	1.33419
SNP3-103023077	FAM55C	3	103023077	2	1.425046
SNP3-103023077	FAM55C	3	103023077	7	4.091045
rs6784389	ZPLD1	3	103640107	1	3.053873
rs17822848	ZPLD1	3	103680306	8	0.132765
rs17822848	ZPLD1	3	103680306	1	0.538385
rs17822848	ZPLD1	3	103680306	2	1.130239
rs17822848	ZPLD1	3	103680306	6	2.270466
rs709564	CCDC54	3	108579237	2	1.761487
rs709564	CCDC54	3	108579237	6	1.237381
rs709564	CCDC54	3	108579237	5	0.793397
rs17828926	IFT57	3	109363163	1	5.928838
rs16854512	HHLA2	3	109563937	1	0.640459
rs7635040	MYH15	3	109582550	5	2.224912
rs7635040	MYH15	3	109582550	3	0.711886
rs7635040	MYH15	3	109582550	7	0.513127
rs9873504	MYH15	3	109618370	7	4.331721
rs12638212	MYH15	3	109642667	7	0.461344
rs9868484	MYH15	3	109671683	5	1.576431
rs4299484	MYH15	3	109672317	3	0.084351
rs2278911	KIAA1524	3	109780950	5	1.219538
rs6804162	GUCA1C	3	110122074	5	0.993361
rs2715687	GUCA1C	3	110122113	1	0.42879
rs2290057	MORC1	3	110186277	5	1.851688
rs3762697	MORC1	3	110236904	1	2.701373
rs605795	LOC440973	3	111118349	1	3.873773
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rs605795	LOC440973	3	111118349	8	3.079546
rs605795	LOC440973	3	111118349	2	1.536346
rs605795	LOC440973	3	111118349	7	2.335177
rs938213	ZBED2	3	112796544	1	2.310346
rs17423699	PLCXD2	3	112915495	3	0.58286
rs937557	PLCXD2	3	113047529	5	0.019114
rs3177104	PHLDB2	3	113177814	1	5.447
rs3177104	PHLDB2	3	113177814	8	5.86808
rs3177104	PHLDB2	3	113177814	3	0.989666
rs35978996	TAGLN3	3	113201136	6	0.735198
rs2292583	TAGLN3	3	113202476	6	0.434494
rs1492489	GCET2	3	113323993	7	0.677663
rs1492489	GCET2	3	113323993	2	2.819802
rs9288938	SLC9A10	3	113403806	3	0.765168

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rs9288938	SLC9A10	3	113403806	1	1.155917
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rs9809404	SLC9A10	3	113464614	2	3.212211
rs9809404	SLC9A10	3	113464614	4	0.77616
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rs9872691	SLC9A10	3	113467797	3	0.364784
rs9872691	SLC9A10	3	113467797	7	0.917685
rs9872691	SLC9A10	3	113467797	2	0.441626
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rs9828502	SLC9A10	3	113479244	6	0.54548
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rs9828502	SLC9A10	3	113479244	7	0.350172
rs2272022	CD200	3	113546540	8	5.108945
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rs1050572	CD200	3	113549252	4	0.290701
rs6807798	CCDC80	3	113842616	8	4.41727
rs7644174	C3orf17	3	114205016	8	2.696321
rs3814398	BOC	3	114474002	2	0.002279
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rs11710894	BOC	3	114474649	6	0.299048
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rs13094203	BOC	3	114476057	1	3.956281
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rs13094203	BOC	3	114476057	3	0.109742
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rs13059888	WDR52	3	114610741	7	0.559357
rs13059888	WDR52	3	114610741	4	0.068395
rs13059888	WDR52	3	114610741	3	0.125627
rs13059888	WDR52	3	114610741	2	3.775429
rs33990195	SIDT1	3	114803167	1	2.681806
rs12493635	KIAA2018	3	114855709	2	4.393335
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rs9866806	KIAA2018	3	114862555	3	0.952356
rs9866806	KIAA2018	3	114862555	7	0.410239
rs9866806	KIAA2018	3	114862555	8	11.70369
rs13079383	GRAMD1C	3	115077067	1	3.663393
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rs3732787	GRAMD1C	3	115148710	3	0.092747

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rs3732787	GRAMD1C	3	115148710	4	0.139345
rs12629415	ZDHHHC23	3	115162279	2	7.485956
rs17603649	KIAA1407	3	115220258	8	5.117859
rs6438191	ZNF80	3	115438010	4	1.107367
rs3821560	LSAMP	3	117054054	5	0.041956
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rs2903250	IGSF11	3	120131750	6	0.829758
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rs9289122	C3orf30	3	120349737	5	0.486077
rs17281535	UPK1B	3	120375161	5	1.883119
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rs1132202	TMEM39A	3	120633181	1	5.205394
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rs2282173	TMEM39A	3	120665132	3	0.80621
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rs3732420	KTELC1	3	120678856	1	2.576683
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rs17281703	CD80	3	120726239	4	0.440515
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rs1599795	CD80	3	120726545	5	0.576612
rs20568	ADPRH	3	120783829	2	6.522624
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rs8007	POPDC2	3	120843940	2	2.689024
rs8007	POPDC2	3	120843940	4	0.26267
rs1880040	POPDC2	3	120861562	4	0.16025
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rs2873788	POPDC2	3	120861667	3	0.714574
rs4688023	POPDC2	3	120861876	4	0.545542
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rs7634701	C3orf15	3	120904624	3	0.227539
rs7612861	C3orf15	3	120904653	3	0.125566
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rs10511394	C3orf15	3	120967291	4	0.939199
rs10511394	C3orf15	3	120967291	3	3.422613

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rs1129708	C3orf15	3	120968276	5	0.650673
rs1129708	C3orf15	3	120968276	3	1.659308
rs12721607	NR1I2	3	121008893	3	1.322141
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rs10511395	NR1I2	3	121019249	4	0.792307
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rs3732360	NR1I2	3	121019271	3	0.379553
rs1054190	NR1I2	3	121019408	4	1.083456
rs1054190	NR1I2	3	121019408	5	1.007211
rs1054191	NR1I2	3	121019587	4	2.00361
rs1054191	NR1I2	3	121019587	7	2.509533
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rs3814057	NR1I2	3	121019944	3	0.435888
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rs1128158	HCLS1	3	122833283	6	0.704035
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rs1128154	HCLS1	3	122833306	3	1.967654
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rs2070180	HCLS1	3	122834028	5	0.671911
rs2070180	HCLS1	3	122834028	7	1.454512
rs3772126	HCLS1	3	122837273	3	0.089443
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rs3732407	GOLGB1	3	122899313	8	1.595286
rs2293616	SLC15A2	3	123124383	3	0.7528
rs2293616	SLC15A2	3	123124383	2	6.724396
rs2293616	SLC15A2	3	123124383	5	0.245618



rs2293616	SLC15A2	3	123124383	4	6.377117
rs2257212	SLC15A2	3	123126494	3	0.259245
rs2257212	SLC15A2	3	123126494	4	0.505315
rs2257212	SLC15A2	3	123126494	5	0.741658
rs1143670	SLC15A2	3	123129331	2	3.883616
rs1143670	SLC15A2	3	123129331	5	0.56886
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rs1915087	CD86	3	123321481	6	0.462032
rs12636058	WDR5B	3	123613441	8	2.751367
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rs7616403	DTX3L	3	123774043	1	4.220122
rs1106346	PARP15	3	123836727	5	1.97194
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rs1106346	PARP15	3	123836727	3	1.494973
rs10934615	PARP14	3	123930893	7	0.037433
rs10934615	PARP14	3	123930893	8	2.587833
rs3806643	HSPBAP1	3	123995321	1	2.860077
rs3806643	HSPBAP1	3	123995321	7	0.137108
rs891406	DIRC2	3	123996654	1	4.856188
rs2276774	SEMA5B	3	124129518	3	1.14659
rs1976716	PDIA5	3	124347126	5	2.716078
rs1976716	PDIA5	3	124347126	2	2.772823

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rs1137138	SEC22A	3	124473711	5	0.341467
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rs17298941	MYLK	3	124858757	6	7.661545
rs3732487	MYLK	3	124902263	1	5.07295
rs35156360	MYLK	3	124934622	5	0.02065
rs2700408	MYLK	3	125078122	8	2.999426
rs2272486	KALRN	3	125470729	4	0.103551
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rs2289778	KALRN	3	125527639	8	2.176018
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rs2289778	KALRN	3	125527639	5	0.204728
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rs2289843	KALRN	3	125678784	7	1.094464
rs6765634	KALRN	3	125720281	1	0.424729
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rs7613442	KALRN	3	125720820	1	1.284014
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rs1708303	KALRN	3	125834006	5	0.150807
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rs1660038	KALRN	3	125834114	5	1.696278
rs1660038	KALRN	3	125834114	6	1.110584
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rs2289427	KALRN	3	125901536	4	1.205272
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rs332512	KALRN	3	125921129	1	1.435048
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rs1139538	UMPS	3	125931981	7	1.164719
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rs2291085	ITGB5	3	125998004	3	0.893503
rs4679392	MUC13	3	126129284	4	1.368291

rs4679392	MUC13	3	126129284	7	1.027845
rs4679392	MUC13	3	126129284	8	1.62355
rs1909586	HEG1	3	126170457	3	0.875079
rs1909586	HEG1	3	126170457	7	2.284194
rs1909586	HEG1	3	126170457	5	0.018218
rs1472516	HEG1	3	126171481	2	6.28314
rs1472516	HEG1	3	126171481	3	0.148676
rs1472516	HEG1	3	126171481	5	0.115835
rs10804567	HEG1	3	126214175	5	0.093428
rs10804567	HEG1	3	126214175	3	0.604971
rs10804567	HEG1	3	126214175	7	0.64007
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rs2981482	SLC12A8	3	126285578	1	3.485695
rs2981482	SLC12A8	3	126285578	7	0.603627
rs2333223	SNX4	3	126648725	1	5.333752
rs6438964	SLC41A3	3	127258118	1	2.318719
rs6438964	SLC41A3	3	127258118	3	2.495367
rs6438964	SLC41A3	3	127258118	2	1.955475
rs1055451	CCDC37	3	127638015	1	3.420204
rs15058	ZXDC	3	127639266	1	4.868037
rs7131	ZXDC	3	127639350	5	12.36772
rs7131	ZXDC	3	127639350	4	6.099351
rs7131	ZXDC	3	127639350	6	8.017673
rs7131	ZXDC	3	127639350	7	0.462375
rs7131	ZXDC	3	127639350	2	1.583489
rs1799398	UROC1	3	127683093	6	1.376993
rs1799398	UROC1	3	127683093	3	0.030378
rs1687477	UROC1	3	127684947	4	1.619234
rs1687477	UROC1	3	127684947	6	2.008757
rs1056524	CHST13	3	127743892	6	2.248678
rs1056524	CHST13	3	127743892	3	1.180774
rs1056522	CHST13	3	127744035	7	0.090056
rs869463	C3orf22	3	127751608	7	0.048557
rs2272487	CHCHD6	3	127934627	1	0.567134
rs41266467	PLXNA1	3	128204994	7	0.219415
rs9856665	PLXNA1	3	128237334	7	2.190949
rs9856665	PLXNA1	3	128237334	3	0.517695
rs9856665	PLXNA1	3	128237334	5	0.739528
rs9856665	PLXNA1	3	128237334	6	0.486973
rs9856665	PLXNA1	3	128237334	1	5.086613
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rs782444	MGLL	3	128892631	1	3.054316
rs782444	MGLL	3	128892631	3	1.258193

rs782444	MGLL	3	128892631	6	0.539691
rs782444	MGLL	3	128892631	8	0.051
rs814131	MGLL	3	128893605	3	0.613613
rs814131	MGLL	3	128893605	1	5.212994
rs814131	MGLL	3	128893605	6	2.528509
rs814131	MGLL	3	128893605	8	0.612736
rs2981026	DNAJB8	3	129664764	5	1.156691
rs13071640	DNAJB8	3	129665068	3	0.479267
rs3803	GATA2	3	129682070	7	0.079952
rs2335052	GATA2	3	129687641	5	0.2525
rs1573858	GATA2	3	129688550	8	7.613438
rs6762732	C3orf27	3	129775548	3	0.384236
rs2465354	C3orf27	3	129777587	5	2.198688
rs2465354	C3orf27	3	129777587	1	3.178011
rs4494951	ACAD9	3	130110577	3	0.991845
rs876755	ACAD9	3	130110623	2	0.103252
rs789212	KIAA1257	3	130169602	1	0.340274
rs789212	KIAA1257	3	130169602	3	0.477138
rs16859327	C3orf25	3	130616932	5	1.487455
rs3796392	C3orf25	3	130619817	5	1.535258
SNP3-130619878	C3orf25	3	130619878	3	0.477676
rs3774788	C3orf25	3	130623179	6	1.578536
rs3774788	C3orf25	3	130623179	7	0.816142
rs2307293	MBD4	3	130633075	1	6.858188
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SNP3-130696992	IFT122	3	130696992	7	0.628637
rs2269736	RHO	3	130730216	5	1.16704
rs2410	RHO	3	130735483	5	0.400921
SNP3-130750600	H1FOO	3	130750600	7	2.745831
rs2625973	PLXND1	3	130767508	7	0.410479
rs2625973	PLXND1	3	130767508	2	4.031255
rs2625973	PLXND1	3	130767508	3	1.917574
rs2625973	PLXND1	3	130767508	8	4.525329
rs2245285	PLXND1	3	130769103	8	0.515475
rs2245285	PLXND1	3	130769103	7	7.463748
rs2245285	PLXND1	3	130769103	3	1.220674
rs7428344	LOC729375	3	131308790	5	1.715127
rs7428344	LOC729375	3	131308790	1	0.197118
rs7428344	LOC729375	3	131308790	6	0.778373
rs9849611	LOC646300	3	131467888	3	1.412637
rs7614116	COL6A6	3	131850759	3	1.170743
rs7636656	COL6A6	3	131850991	5	0.007212
rs17748751	COL6A6	3	131877418	3	0.480167
rs17748751	COL6A6	3	131877418	5	2.672227
rs7639697	NEK11	3	132376534	6	0.591494
rs12639101	NEK11	3	132376608	8	1.355726
rs3738000	NEK11	3	132430125	8	9.260855

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rs3738000	NEK11	3	132430125	6	0.117512
rs3738000	NEK11	3	132430125	5	8.292993
rs7648888	CPNE4	3	133236213	3	1.437512
rs7648888	CPNE4	3	133236213	8	1.429787
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rs1042330	ACPP	3	133558436	4	4.17809
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rs1042330	ACPP	3	133558436	2	1.81626
rs2239698	ACPP	3	133558886	1	4.130586
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rs14192	ACPP	3	133559241	4	5.741893
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rs9877018	ACAD11	3	133844286	1	4.482996
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rs6792846	CDV3	3	134790181	7	0.772674
rs17301766	TOPBP1	3	134839480	2	3.823311
rs17301766	TOPBP1	3	134839480	4	0.057575
rs3192149	TOPBP1	3	134851052	4	1.272634
rs8649	TF	3	134969648	1	0.332504
rs1107413	SRPRB	3	135007407	1	0.741568
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rs3811659	RAB6B	3	135026698	4	0.096891
rs1043147	RAB6B	3	135027688	4	0.09811
rs12637730	RAB6B	3	135028987	4	2.95298
rs2293374	RAB6B	3	135029935	4	3.718595
rs2293373	RAB6B	3	135030382	4	1.341312
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rs1874883	CEP63	3	135687761	4	1.013794
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rs1874883	CEP63	3	135687761	7	0.387745
rs1874883	CEP63	3	135687761	5	1.183126
rs1874883	CEP63	3	135687761	8	0.568893
rs9868985	CEP63	3	135760960	6	2.886519
rs9868985	CEP63	3	135760960	4	0.470767
rs13071253	LOC729534	3	135799343	2	2.418727
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rs13071253	LOC729534	3	135799343	4	0.853772
rs13071253	LOC729534	3	135799343	5	0.702047
rs9857995	LOC729534	3	135799396	8	1.2831
rs9857995	LOC729534	3	135799396	4	1.064971
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rs9857995	LOC729534	3	135799396	7	0.163565
rs13078595	LOC645218	3	136055947	1	0.72498
rs7644369	EPHB1	3	136153214	4	0.273012
rs7644369	EPHB1	3	136153214	7	0.232253
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rs3732566	EPHB1	3	136381432	6	0.458016
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rs3732566	EPHB1	3	136381432	4	4.255322
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rs10608	EPHB1	3	136461859	1	4.31304
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rs9845457	MSL2L1	3	137397166	5	1.178273
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rs2589258	CLDN18	3	139234694	6	0.262714
rs2589258	CLDN18	3	139234694	1	5.515016
rs442800	DZIP1L	3	139269132	5	2.528079
rs442800	DZIP1L	3	139269132	2	6.653021
rs442800	DZIP1L	3	139269132	1	0.455258
rs2246945	A4GNT	3	139326166	1	0.775119

rs2622737	DBR1	3	139362683	5	0.067209
rs2622737	DBR1	3	139362683	7	0.365021
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rs9818870	MRAS	3	139604812	4	0.539591
SNP3-139605167	MRAS	3	139605167	4	5.576783
SNP3-139669706	FAM62C	3	139669706	8	0.654385
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rs3813264	FAM62C	3	139672348	8	0.665349
rs1673608	CEP70	3	139771853	1	4.395253
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rs811322	FAIM	3	139812552	4	1.015067
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rs641320	FAIM	3	139830647	5	0.689241
rs9816111	NMNAT3	3	140879516	1	0.77194
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rs10804675	CLSTN2	3	141765551	3	0.732457
rs13078522	CLSTN2	3	141768194	8	5.506344
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rs3210458	ACPL2	3	142494320	1	5.334893
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rs2312500	LOC646730	3	142868380	2	3.162678
rs6767392	LOC646730	3	142887521	1	0.543162
rs3184648	RNF7	3	142946836	3	0.81644
rs3184648	RNF7	3	142946836	1	1.944544
rs1533501	GRK7	3	142979840	7	0.43656
rs36009541	GRK7	3	143018248	7	1.638726
SNP3-143018298	GRK7	3	143018298	7	1.14436
SNP3-143018298	GRK7	3	143018298	4	1.082567
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rs2227930	ATR	3	143760265	1	0.156402
rs2227930	ATR	3	143760265	2	4.200504
rs2227930	ATR	3	143760265	4	7.201476
rs6763202	SLC9A9	3	144775702	1	3.178042
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rs1242069	SLC9A9	3	144853891	7	0.366695
rs13092702	LOC440981	3	147601985	3	0.966389
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rs13092702	LOC440981	3	147601985	5	0.103726
rs1054736	PLSCR2	3	147633865	3	1.337171

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rs1054736	PLSCR2	3	147633865	1	0.290374
rs9289748	FLJ30375	3	148620666	8	5.443912
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rs1802837	TM4SF4	3	150676374	5	0.267495
rs1802837	TM4SF4	3	150676374	6	2.491001
rs12636725	TM4SF4	3	150703207	1	1.118672
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rs11557682	RNF13	3	151013315	8	0.214059
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rs11557682	RNF13	3	151013315	6	4.456578
rs879634	TSC22D2	3	151611082	5	0.488556
rs879634	TSC22D2	3	151611082	8	3.867076
rs2626	EIF2A	3	151786357	4	0.421297
rs2626	EIF2A	3	151786357	2	6.612481
rs2626	EIF2A	3	151786357	5	2.450546
SNP3-151874500	C3orf44	3	151874500	3	0.699961
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rs2168445	LOC646951	3	152105550	3	0.353619
rs11914988	CLRN1	3	152144532	3	0.285144
rs3796242	CLRN1	3	152173129	1	0.485758
rs17290219	MED12L	3	152364464	6	0.865828
rs1220995	P2RY14	3	152413762	3	0.438044
rs1220995	P2RY14	3	152413762	5	1.123023
rs1472122	GPR87	3	152517292	8	4.355036
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rs1472122	GPR87	3	152517292	7	1.220186
rs6440735	P2RY13	3	152527422	1	4.955774
rs12497019	P2RY13	3	152527593	5	2.296044
rs12497019	P2RY13	3	152527593	3	0.299552
rs12497019	P2RY13	3	152527593	4	1.578628
rs1388628	P2RY13	3	152527936	3	0.434384
rs1388627	P2RY13	3	152527985	3	0.162054
rs1491980	P2RY13	3	152528351	1	1.90286
rs1466684	P2RY13	3	152528998	1	1.302334
rs3732765	MED12L	3	152573114	4	0.230884
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rs3732768	MED12L	3	152595258	3	1.39222
rs3732768	MED12L	3	152595258	8	0.18274
rs3732768	MED12L	3	152595258	5	3.154376



rs3732768	MED12L	3	152595258	2	1.875245
rs3732768	MED12L	3	152595258	7	0.884727
rs7611956	MED12L	3	152633910	4	0.721949
rs7611956	MED12L	3	152633910	2	3.781103
rs2172250	IGSF10	3	152637356	4	0.031211
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rs6781302	IGSF10	3	152638310	7	4.38898
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rs6781302	IGSF10	3	152638310	4	1.216611
rs6798252	IGSF10	3	152649112	7	0.914376
rs7619322	IGSF10	3	152654129	7	1.328842
rs7621591	IGSF10	3	152654232	7	0.930654
rs842049	hCG_1806964	3	153466638	1	3.994732
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rs842049	hCG_1806964	3	153466638	4	0.80292
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rs6785014	RAP2B	3	154368289	7	0.301179
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SNP3-155323079	SGEF	3	155323079	7	4.022223
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rs7610758	MME	3	156382538	7	0.972957
rs1816522	PLCH1	3	156683257	2	3.868193
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rs6806798	C3orf33	3	156963791	1	0.208852
rs7653384	C3orf33	3	156964303	1	0.49309
rs7653384	C3orf33	3	156964303	8	0.083741
rs7653384	C3orf33	3	156964303	6	0.065074
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rs6781558	VN2R1P	3	157234178	8	1.268832
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rs907060	KCNAB1	3	157737781	1	0.000521
rs3773714	SSR3	3	157742660	1	5.10094
rs3773714	SSR3	3	157742660	5	0.021561
rs3773714	SSR3	3	157742660	7	0.182886
rs6441095	LOC653801	3	157874885	2	1.552553
rs344053	TIPARP	3	157906505	2	4.015859
rs10936063	KRT18P34	3	158363577	3	0.259448

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rs10936063	KRT18P34	3	158363577	5	0.405022
rs10936065	KRT18P34	3	158363639	5	1.240568
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rs11918974	VEPH1	3	158564018	5	0.303796
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rs11918974	VEPH1	3	158564018	6	0.176088
rs1048243	SHOX2	3	159298155	4	0.470969
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rs8455	LXN	3	159871474	1	0.584009
rs8455	LXN	3	159871474	3	0.46045
rs568408	IL12A	3	161196161	7	4.429117
rs11921898	BRD7P2	3	161302261	5	1.192278
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rs34182424	IFT80	3	161566612	4	0.641924
rs34182424	IFT80	3	161566612	6	7.792002
rs7629	TRIM59	3	161635999	1	0.110805
rs7629	TRIM59	3	161635999	3	0.912636
rs4679885	TRIM59	3	161637441	2	0.244607
rs4679885	TRIM59	3	161637441	5	2.824259
rs4679885	TRIM59	3	161637441	4	0.671213
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rs2279457	LOC401098	3	161650986	3	0.250396
rs2279457	LOC401098	3	161650986	4	0.594707
rs2279457	LOC401098	3	161650986	2	0.544617
rs2279457	LOC401098	3	161650986	1	0.528265
rs1993891	LOC646085	3	162530161	6	0.713217
rs4856703	LOC646085	3	162530414	5	1.239626
rs4856703	LOC646085	3	162530414	3	1.68123
rs960212	LOC646085	3	162530668	2	2.745541
rs960212	LOC646085	3	162530668	6	0.106782
rs3921595	LOC131149	3	162704399	1	1.722064
rs11922760	SLITRK3	3	166388264	5	0.04738
rs3792293	PDCD10	3	168935198	7	0.642641
rs3792293	PDCD10	3	168935198	6	0.080801
rs3792293	PDCD10	3	168935198	4	1.321783
rs2229697	SERPINI1	3	168993166	7	0.431847
SNP3-169229716	GOLIM4	3	169229716	5	1.385735
SNP3-169229716	GOLIM4	3	169229716	4	1.082387
SNP3-169229716	GOLIM4	3	169229716	6	0.621826
rs17466625	EVI1	3	170293568	2	2.362263
rs17466625	EVI1	3	170293568	5	0.196936
rs10936600	LRRC34	3	170997279	7	3.254148

rs10936600	LRR34	3	170997279	2	5.69462
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rs2270568	FNDC3B	3	173529555	4	1.033113
rs2232169	GHSR	3	173648451	3	0.661911
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rs2232165	GHSR	3	173648838	3	0.008838
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rs3733023	AADACL1	3	173833700	1	6.143589
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rs16846616	SPATA16	3	174317776	7	0.271105
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rs11720871	KCNMB3	3	180459471	1	3.478771
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rs9856997	KLHL24	3	184880201	4	3.653937
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rs6444028	LOC285382	3	186280816	4	1.295969
rs16859583	LOC285382	3	186280982	5	0.085962
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rs888390	RTP1	3	188401130	8	0.094662
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rs850312	MASP1	3	188436502	1	2.248605
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rs17489176	FAM79B	3	190523207	3	0.265814
rs9861864	FAM79B	3	190523798	8	0.491013
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rs10049459	FGF12	3	193343809	4	0.109196
rs1460922	FGF12	3	193344215	5	1.416884

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rs2271791	ATP13A5	3	194477237	8	1.190625
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rs2259292	MUC4	3	196986783	7	0.816403
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rs3749331	MUC4	3	197000700	5	0.421605
rs2177336	MUC4	3	197001273	7	5.425425
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rs1806440	MUC4	3	197001519	5	0.885806
rs1106502	MUC4	3	197001653	3	0.947543
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rs1104760	MUC4	3	197001716	3	1.126149

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SNP4-986690	IDUA	4	986690	7	0.463979



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rs798757	TACC3	4	1700013	2	4.492861
rs11248073	TACC3	4	1707300	1	5.361089
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rs9328764	POLN	4	2146252	1	4.420361
rs10011549	POLN	4	2164744	1	4.592297
rs10018786	POLN	4	2164822	1	2.397313

rs2353552	POLN	4	2179863	7	0.155638
rs2353552	POLN	4	2179863	3	0.053095
rs2353552	POLN	4	2179863	5	0.127504
rs1052682	MXD4	4	2221999	1	3.410751
rs2051561	ZFYVE28	4	2245633	5	0.786511
rs2051561	ZFYVE28	4	2245633	7	0.327515
rs661301	ZFYVE28	4	2275851	1	0.726575
rs661301	ZFYVE28	4	2275851	3	0.04619
rs661301	ZFYVE28	4	2275851	7	0.146301
rs17768776	ZFYVE28	4	2276057	1	0.985035
rs16843413	SH3BP2	4	2796710	7	0.747696
rs16843413	SH3BP2	4	2796710	4	0.212556
rs1263416	SH3BP2	4	2807561	8	0.439697
rs1263416	SH3BP2	4	2807561	7	0.030736
rs1263416	SH3BP2	4	2807561	3	0.597327
rs10021191	GRK4	4	2935493	2	2.014772
rs10021191	GRK4	4	2935493	7	1.716791
rs10021191	GRK4	4	2935493	3	8.775448
rs10021191	GRK4	4	2935493	4	0.050369
rs10021191	GRK4	4	2935493	5	0.973554
rs2960306	GRK4	4	2960297	3	2.791297
rs2960306	GRK4	4	2960297	2	3.387229
rs2960306	GRK4	4	2960297	7	3.18423
rs2960306	GRK4	4	2960297	5	2.787011
rs2960306	GRK4	4	2960297	4	2.906946
rs1024323	GRK4	4	2975841	7	2.330321
rs1024323	GRK4	4	2975841	4	2.856694
rs1024323	GRK4	4	2975841	5	2.038662
rs1024323	GRK4	4	2975841	3	2.259416
rs35605687	GRK4	4	2985351	3	1.277228
rs35605687	GRK4	4	2985351	5	1.647286
rs35605687	GRK4	4	2985351	1	2.92222
rs1801058	GRK4	4	3008948	7	5.093779
SNP4-3118368	HTT	4	3118368	7	3.312436
rs363125	HTT	4	3159345	6	1.00978
rs362304	HTT	4	3212070	2	3.640199
rs362304	HTT	4	3212070	6	6.849522
rs3213507	RGS12	4	3387643	3	0.02524
rs3213507	RGS12	4	3387643	2	0.848588
rs3213507	RGS12	4	3387643	7	0.855353
rs3748034	HGFAC	4	3415889	1	0.498162
rs6811423	DOK7	4	3464398	1	4.958227
rs6811423	DOK7	4	3464398	5	2.993357
rs6811423	DOK7	4	3464398	4	0.123844
rs6811856	DOK7	4	3464624	5	0.202723
rs6811856	DOK7	4	3464624	4	4.143254
rs6811856	DOK7	4	3464624	1	0.720468

rs6831659	DOK7	4	3464645	5	1.233222
rs6831659	DOK7	4	3464645	1	1.794866
rs6850908	DOK7	4	3464696	4	0.663482
rs6850908	DOK7	4	3464696	5	0.503049
rs6850908	DOK7	4	3464696	1	1.471832
rs11733064	DOK7	4	3465081	7	5.06458
rs1054662	DOK7	4	3465948	8	0.862414
rs1054662	DOK7	4	3465948	2	0.997092
rs1054662	DOK7	4	3465948	1	0.730598
SNP4-3489560	LRPAP1	4	3489560	6	0.089898
SNP4-3489560	LRPAP1	4	3489560	4	0.179527
SNP4-3489560	LRPAP1	4	3489560	7	0.749475
rs45554432	LRPAP1	4	3496440	4	0.257921
rs45554432	LRPAP1	4	3496440	7	0.589875
rs2916464	TMEM128	4	4300521	6	3.716464
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rs2916464	TMEM128	4	4300521	1	0.982582
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SNP4-4300785	TMEM128	4	4300785	6	0.318562
rs2272746	TMEM128	4	4300810	6	3.379863
rs2272746	TMEM128	4	4300810	5	1.840102
rs2272746	TMEM128	4	4300810	4	1.875536
rs2272746	TMEM128	4	4300810	2	3.59207
rs2272739	LYAR	4	4327376	7	0.450781
rs1048898	LYAR	4	4342733	2	2.101102
rs1048898	LYAR	4	4342733	4	3.216382
rs1048898	LYAR	4	4342733	3	0.792756
rs1048898	LYAR	4	4342733	1	0.045398
rs10002237	D4S234E	4	4470512	2	4.746781
rs16837029	STK32B	4	5383992	7	0.594938
rs2287576	EVC2	4	5615092	5	0.338064
rs2287576	EVC2	4	5615092	2	1.228319
rs4689278	EVC2	4	5741803	3	0.830099
rs4689278	EVC2	4	5741803	8	0.977761
rs4689278	EVC2	4	5741803	1	3.660913
rs4688962	EVC	4	5800862	5	0.001982
rs4688962	EVC	4	5800862	1	0.32999
rs4688962	EVC	4	5800862	6	4.780247
rs4688962	EVC	4	5800862	4	0.438413
rs4688962	EVC	4	5800862	2	4.943091
rs2279252	EVC	4	5851395	2	2.476187
rs1057052	CRMP1	4	5873639	7	0.709386
rs1057052	CRMP1	4	5873639	6	1.826649
rs1057052	CRMP1	4	5873639	5	0.032416
rs12331	CRMP1	4	5889414	4	1.04538
rs12331	CRMP1	4	5889414	2	2.059579
rs12331	CRMP1	4	5889414	5	4.434945

rs12331	CRMP1	4	5889414	7	7.152381
rs12331	CRMP1	4	5889414	1	0.437419
rs12331	CRMP1	4	5889414	3	1.931678
rs9457	WFS1	4	6355700	5	0.224947
rs9457	WFS1	4	6355700	8	0.226889
rs9457	WFS1	4	6355700	4	0.156467
rs9457	WFS1	4	6355700	3	0.107322
rs9457	WFS1	4	6355700	7	6.434613
rs9457	WFS1	4	6355700	2	0.121621
SNP4-6666957	MAN2B2	4	6666957	5	5.217422
rs4689490	MAN2B2	4	6670105	8	1.464913
rs11737783	S100P	4	6749565	2	6.223823
rs3822268	KIAA0232	4	6934415	2	1.092602
rs3822268	KIAA0232	4	6934415	3	0.155345
rs6841334	KIAA0232	4	6936197	1	0.042645
rs6841334	KIAA0232	4	6936197	6	0.950314
rs6841334	KIAA0232	4	6936197	3	0.155801
rs6841334	KIAA0232	4	6936197	7	0.791003
rs6841334	KIAA0232	4	6936197	2	1.58874
rs6828784	KIAA0232	4	6936716	4	0.566007
rs6828784	KIAA0232	4	6936716	5	0.028056
rs3756255	TBC1D14	4	7083825	6	1.136687
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rs3756255	TBC1D14	4	7083825	8	0.400853
rs3756255	TBC1D14	4	7083825	7	0.056755
rs3756255	TBC1D14	4	7083825	3	0.070831
rs868489	MGC21874	4	7106154	3	0.482382
rs868489	MGC21874	4	7106154	2	1.650932
rs868489	MGC21874	4	7106154	7	1.025178
rs11937667	MGC21874	4	7107938	2	6.607241
rs11937667	MGC21874	4	7107938	7	0.206829
rs10937782	MGC21874	4	7108007	7	0.258876
rs4689833	SORCS2	4	7765390	3	0.936233
rs4689833	SORCS2	4	7765390	1	4.298505
rs4689833	SORCS2	4	7765390	5	1.996182
rs28531835	SORCS2	4	7767810	6	0.091338
rs2285781	SORCS2	4	7767912	6	2.386822
rs2285781	SORCS2	4	7767912	4	1.042456
rs2285781	SORCS2	4	7767912	7	2.67973
rs13442	SORCS2	4	7794183	7	1.594583
rs4689158	SORCS2	4	7794874	4	1.830629
rs4689158	SORCS2	4	7794874	3	0.760465
rs4689158	SORCS2	4	7794874	6	4.024841
rs4689158	SORCS2	4	7794874	5	0.839489
rs12642285	SORCS2	4	7794946	7	2.126173
rs2285763	AFAP1	4	7814204	7	2.27906
rs2285762	AFAP1	4	7814305	1	4.892335

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rs10155361	AFAP1	4	7815031	2	6.609073
rs10155361	AFAP1	4	7815031	6	0.21824
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rs10050114	AFAP1	4	7815401	4	0.779432
rs10050114	AFAP1	4	7815401	2	7.833623
rs10050114	AFAP1	4	7815401	5	5.41067
rs10050114	AFAP1	4	7815401	6	0.820807
rs2158274	AFAP1	4	7815416	7	4.770772
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rs2285761	AFAP1	4	7821623	7	1.492867
rs4696886	ABLIM2	4	8018583	2	4.872311
rs2292735	ABLIM2	4	8018775	2	6.0087
rs2677605	SH3TC1	4	8257983	2	2.418804
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rs2677605	SH3TC1	4	8257983	3	1.760219
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rs2677605	SH3TC1	4	8257983	5	1.320939
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rs1281138	SH3TC1	4	8270929	3	1.490519
rs1281148	SH3TC1	4	8280613	5	0.011904
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rs1281148	SH3TC1	4	8280613	7	1.121771
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rs1281148	SH3TC1	4	8280613	1	1.196076
rs1281148	SH3TC1	4	8280613	2	0.464433
rs1281151	SH3TC1	4	8281135	7	0.834282
rs1281151	SH3TC1	4	8281135	1	1.138216
rs1281151	SH3TC1	4	8281135	5	0.917452
rs1281151	SH3TC1	4	8281135	4	0.440114
rs8153	SH3TC1	4	8293640	8	4.800613
rs8153	SH3TC1	4	8293640	3	0.052936
rs708244	ACOX3	4	8419504	7	4.344384
rs3103097	NULL	4	8563612	6	0.509675
rs9685931	GPR78	4	8639923	7	0.503852
rs9799717	GPR78	4	8640163	7	0.530328
rs1131140	CPZ	4	8666996	7	4.140897
rs1131140	CPZ	4	8666996	3	1.692795
rs1050464	CPZ	4	8672286	3	1.159802
rs3733591	SLC2A9	4	9531228	2	0.791572
SNP4-9531268	SLC2A9	4	9531268	6	0.369514
rs3733589	SLC2A9	4	9596422	2	7.514545
rs6820230	SLC2A9	4	9636640	6	0.558223
rs6820230	SLC2A9	4	9636640	3	1.771473
rs6820230	SLC2A9	4	9636640	5	0.182662
rs13441	WDR1	4	9708438	3	0.052955

rs2109603	LOC643446	4	10982054	4	2.536364
rs2109603	LOC643446	4	10982054	6	1.969449
rs2109603	LOC643446	4	10982054	3	2.452158
rs13120194	LOC643446	4	10982126	5	5.212269
rs3822226	NKX3-2	4	13151772	1	0.258182
rs3822226	NKX3-2	4	13151772	2	1.295923
SNP4-13210435	FAM44A	4	13210435	4	5.287276
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SNP4-13210435	FAM44A	4	13210435	7	6.926945
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rs17745712	FAM44A	4	13213516	7	5.674094
rs12644869	LOC152742	4	13722865	5	1.688026
rs12644869	LOC152742	4	13722865	4	1.46659
rs12644869	LOC152742	4	13722865	7	0.627735
rs3846413	LOC152742	4	13749309	2	4.74524
rs4698714	LOC152742	4	13750963	4	1.439239
rs4698714	LOC152742	4	13750963	1	0.892419
rs4698714	LOC152742	4	13750963	5	0.229314
rs2314590	C1QTNF7	4	15054631	4	0.110567
rs2314590	C1QTNF7	4	15054631	7	1.614633
rs2314590	C1QTNF7	4	15054631	2	4.809739
rs13104095	C1QTNF7	4	15055109	1	3.11083
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rs2072313	FGFBP1	4	15546829	3	1.121211
rs758329	FGFBP2	4	15573583	5	0.385229
rs758329	FGFBP2	4	15573583	3	0.2588
rs758329	FGFBP2	4	15573583	6	0.708821
rs758329	FGFBP2	4	15573583	8	0.835136
rs758329	FGFBP2	4	15573583	4	0.62281
rs4698432	FGFBP2	4	15573861	7	1.213154
rs4698432	FGFBP2	4	15573861	3	1.977438
rs4698432	FGFBP2	4	15573861	5	1.270233
rs4698432	FGFBP2	4	15573861	1	5.661673
rs7686732	PROM1	4	15579299	1	3.284713
rs1046234	TAPT1	4	15773551	2	2.596857
rs872478	LDB2	4	16113282	5	1.127604
rs872478	LDB2	4	16113282	1	2.004325
rs699459	QDPR	4	17097170	3	0.137102
rs699459	QDPR	4	17097170	5	0.417395
rs2286771	KIAA1276	4	17252946	7	1.160117
rs2286771	KIAA1276	4	17252946	5	0.030139
rs7690457	C4orf30	4	17414477	5	0.43103
rs11941723	NCAPG	4	17421626	5	0.212738

rs2074974	NCAPG	4	17421713	8	0.214633
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rs2074974	NCAPG	4	17421713	7	0.454261
rs2302212	NCAPG	4	17427983	6	1.896232
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rs2302212	NCAPG	4	17427983	7	1.23194
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SNP4-17428793	NCAPG	4	17428793	1	3.820353
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rs7688403	NCAPG	4	17454336	2	8.047567
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rs7688403	NCAPG	4	17454336	1	0.025208
rs7688403	NCAPG	4	17454336	7	0.033357
rs7688403	NCAPG	4	17454336	5	0.212185
rs7655084	SLIT2	4	19864404	5	0.680041
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rs7655084	SLIT2	4	19864404	3	0.609299
rs7690492	SLIT2	4	20153282	5	0.468189
rs1379659	SLIT2	4	20229781	2	2.595476
rs1379659	SLIT2	4	20229781	7	0.650423
rs17552929	C4orf28	4	20338064	8	5.86135
rs12640448	KCNIP4	4	20340430	1	3.465062
rs12640448	KCNIP4	4	20340430	5	1.616448
rs12640448	KCNIP4	4	20340430	6	0.179654
rs3765122	KCNIP4	4	20461342	8	1.634331
rs3765122	KCNIP4	4	20461342	2	5.363426
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rs870368	KCNIP4	4	21155315	3	1.042093
rs870368	KCNIP4	4	21155315	5	1.149339
rs966045	UM9(5)	4	21457180	3	0.023839
rs1513572	UM9(5)	4	21459403	3	0.264481
rs6821591	PPARGC1A	4	23406098	4	3.25514
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rs3755863	PPARGC1A	4	23424620	4	0.062994
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rs3755863	PPARGC1A	4	23424620	6	4.441472
rs3755863	PPARGC1A	4	23424620	5	0.789435
rs8192678	PPARGC1A	4	23424760	1	0.472355
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rs8192678	PPARGC1A	4	23424760	6	0.499859

rs17574213	PPARGC1A	4	23424779	4	1.379206
rs2970847	PPARGC1A	4	23425022	2	3.893989
rs2970847	PPARGC1A	4	23425022	7	0.267255
SNP4-24410413	SOD3	4	24410413	6	1.041095
SNP4-24410413	SOD3	4	24410413	2	1.779144
GA022147	SOD3	4	24411074	6	2.632321
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rs12510565	DKFZp761B107	4	24440301	6	0.349309
rs16876184	DKFZp761B107	4	24440548	5	0.837849
rs12511680	DKFZp761B107	4	24441407	6	0.283854
rs16876189	DKFZp761B107	4	24441822	5	0.437146
rs8235	LGI2	4	24612601	3	0.174829
rs2232030	LGI2	4	24614069	3	1.521658
rs2232030	LGI2	4	24614069	7	1.851108
rs2232030	LGI2	4	24614069	1	0.853398
rs2232030	LGI2	4	24614069	5	1.357968
rs2232029	LGI2	4	24614121	4	1.634611
rs2232029	LGI2	4	24614121	2	0.699112
rs2232025	LGI2	4	24614552	4	0.284407
SNP4-24641233	LGI2	4	24641233	5	2.036415
rs6834255	PI4K2B	4	24888418	6	0.009203
rs2305670	LOC389203	4	25524956	5	4.989396
rs2305670	LOC389203	4	25524956	1	4.471934
rs2305670	LOC389203	4	25524956	8	0.334035
rs1488268	FLJ45721	4	26818657	3	0.020879
rs13130950	FLJ45721	4	26818694	6	1.555473
rs1047012	PCDH7	4	30334794	4	0.480332
rs1047012	PCDH7	4	30334794	6	2.401456
rs1047012	PCDH7	4	30334794	1	4.111419
rs977931	PCDH7	4	30335085	6	0.689131
rs977931	PCDH7	4	30335085	1	4.861011
rs977931	PCDH7	4	30335085	4	1.764381
rs2133514	LOC645716	4	30822350	3	1.664786
rs4833069	CENTD1	4	35758273	4	0.341007
rs4634233	KIAA1239	4	37121710	4	0.167067
rs4634233	KIAA1239	4	37121710	3	0.511949
rs11724784	KIAA1239	4	37122280	3	0.468001
rs936587	KIAA1239	4	37125448	3	0.376701
rs936587	KIAA1239	4	37125448	7	0.679492
rs936587	KIAA1239	4	37125448	4	1.011245
rs10569	PGM2	4	37539780	7	3.948369
rs10569	PGM2	4	37539780	2	1.80973
rs6811863	PTTG2	4	37638581	5	3.745586
rs6811863	PTTG2	4	37638581	1	3.049134
rs6811863	PTTG2	4	37638581	3	1.69292
rs6811863	PTTG2	4	37638581	6	3.585967
rs6811863	PTTG2	4	37638581	2	3.213475



SNP4-37699689	TBC1D1	4	37699689	7	5.972377
rs2637713	FLJ13197	4	38303732	4	0.349162
rs2637713	FLJ13197	4	38303732	7	0.114673
rs2637713	FLJ13197	4	38303732	3	1.602698
rs11096955	TLR10	4	38452502	3	0.360723
rs11096957	TLR10	4	38452886	3	1.293061
rs10856838	TLR10	4	38453568	6	0.21683
rs10856838	TLR10	4	38453568	3	0.051644
rs10856838	TLR10	4	38453568	5	1.490963
rs10856839	TLR10	4	38453631	7	0.693704
rs10856839	TLR10	4	38453631	3	1.346524
rs10856839	TLR10	4	38453631	5	0.07463
rs10856839	TLR10	4	38453631	6	1.307481
rs4274855	TLR10	4	38453866	7	0.114296
rs5743565	TLR1	4	38482378	7	1.572896
rs3821985	TLR6	4	38506407	7	0.636628
rs3821985	TLR6	4	38506407	6	5.57988
rs3821985	TLR6	4	38506407	5	0.803029
rs3821985	TLR6	4	38506407	3	0.416514
rs3821985	TLR6	4	38506407	4	6.446559
rs3821985	TLR6	4	38506407	1	0.017836
rs3821985	TLR6	4	38506407	2	3.460969
SNP4-38664360	TMEM156	4	38664360	3	0.956755
SNP4-38676700	TMEM156	4	38676700	1	2.303035
rs2711941	KLHL5	4	38740557	4	1.051824
rs3733276	KLHL5	4	38793306	1	3.492274
rs3733276	KLHL5	4	38793306	3	0.471369
rs3733276	KLHL5	4	38793306	4	0.593156
rs4975017	KLB	4	39126624	1	3.941562
rs4975017	KLB	4	39126624	8	0.624028
rs4975017	KLB	4	39126624	3	1.138417
rs2260645	LOC401127	4	39159079	2	4.787752
rs2260645	LOC401127	4	39159079	4	3.284513
rs6838749	KRT18P25	4	39698436	2	0.766537
rs6838749	KRT18P25	4	39698436	6	1.086006
rs6838749	KRT18P25	4	39698436	7	3.651287
rs6838749	KRT18P25	4	39698436	5	1.271123
rs6838749	KRT18P25	4	39698436	1	0.804005
rs6838749	KRT18P25	4	39698436	4	0.768507
rs7686844	KRT18P25	4	39698906	5	1.240286
rs7686844	KRT18P25	4	39698906	4	0.478447
rs7686844	KRT18P25	4	39698906	7	1.461608
rs7686844	KRT18P25	4	39698906	1	1.499923
rs794001	N4BP2	4	39797957	4	0.566894
rs794001	N4BP2	4	39797957	3	0.618864
SNP4-39800185	N4BP2	4	39800185	7	1.648602
rs2245466	RHOH	4	39875241	2	4.811661

rs10022491	CHRNA9	4	40032665	4	0.184792
rs10009228	CHRNA9	4	40051179	6	0.137456
rs2261167	NSUN7	4	40505504	4	3.533249
rs9993759	LOC728136	4	41578240	2	0.070332
rs2660320	WDR21B	4	41678875	6	1.950894
rs2660320	WDR21B	4	41678875	4	0.533667
rs2660332	WDR21B	4	41679858	8	1.584689
rs2660332	WDR21B	4	41679858	4	2.479515
rs2581439	WDR21B	4	41681614	4	0.033235
rs13143747	KCTD8	4	43871717	7	0.946546
rs13143747	KCTD8	4	43871717	5	5.476316
rs12374299	GABRG1	4	45733502	3	0.141612
rs12374299	GABRG1	4	45733502	7	0.59726
rs976156	GABRG1	4	45780817	3	0.483007
rs6447517	GABRA4	4	46623503	3	0.200245
rs7660336	GABRA4	4	46624425	4	0.070118
SNP4-47209442	ATP10D	4	47209442	3	0.28685
SNP4-47209442	ATP10D	4	47209442	6	0.598358
SNP4-47209442	ATP10D	4	47209442	4	0.871968
SNP4-47209442	ATP10D	4	47209442	1	4.987812
SNP4-47209442	ATP10D	4	47209442	7	0.457697
SNP4-47254759	ATP10D	4	47254759	2	0.13934
SNP4-47254759	ATP10D	4	47254759	1	0.200088
SNP4-47254759	ATP10D	4	47254759	4	0.393125
SNP4-47254759	ATP10D	4	47254759	6	0.350528
rs16851681	ATP10D	4	47273728	4	0.524152
rs16851681	ATP10D	4	47273728	7	1.245806
rs16851681	ATP10D	4	47273728	3	0.853623
rs1316874	ATP10D	4	47283960	5	0.107149
rs1316874	ATP10D	4	47283960	3	0.463139
rs1316874	ATP10D	4	47283960	6	1.446227
rs4695253	CORIN	4	47291389	6	0.091103
rs4695253	CORIN	4	47291389	4	0.16565
rs4695253	CORIN	4	47291389	3	0.085272
rs12641823	CORIN	4	47291465	3	0.428381
rs12641823	CORIN	4	47291465	6	0.462522
rs12641823	CORIN	4	47291465	4	0.177898
rs12641823	CORIN	4	47291465	5	0.341265
rs3749585	CORIN	4	47292347	4	0.497217
rs3749585	CORIN	4	47292347	3	1.356089
rs3749585	CORIN	4	47292347	5	0.737668
rs3749585	CORIN	4	47292347	6	0.736349
rs3749584	CORIN	4	47292411	8	0.228444
rs3749584	CORIN	4	47292411	7	0.381137
rs2289433	CORIN	4	47534686	2	1.049062
rs2289433	CORIN	4	47534686	8	2.170402
rs2289433	CORIN	4	47534686	1	1.483871

rs28642966	CNGA1	4	47640052	7	0.69631
rs28642966	CNGA1	4	47640052	3	1.065111
rs28642966	CNGA1	4	47640052	4	0.081784
rs10938519	NPAL1	4	47733341	1	4.739385
rs1507924	TXK	4	47764044	4	3.438313
rs9996527	TXK	4	47764453	4	0.692004
rs9996527	TXK	4	47764453	3	0.926821
SNP4-47776852	TXK	4	47776852	2	3.453725
rs7658300	TXK	4	47810021	7	0.452858
rs7658300	TXK	4	47810021	3	0.802325
rs7658300	TXK	4	47810021	4	1.065002
rs7658300	TXK	4	47810021	2	4.292982
rs3805184	TEC	4	47832992	4	1.915156
rs3805184	TEC	4	47832992	8	0.416513
rs3805184	TEC	4	47832992	1	5.392638
rs17574371	TEC	4	47842066	7	0.102846
rs17574371	TEC	4	47842066	3	0.932284
rs3811759	SLC10A4	4	48185767	6	0.026551
rs3811759	SLC10A4	4	48185767	5	0.183788
rs3811759	SLC10A4	4	48185767	3	1.694327
rs17472127	ZAR1	4	48191125	3	0.03302
rs17472127	ZAR1	4	48191125	5	0.073181
rs3747690	FLJ21511	4	48683207	2	2.623663
rs3747690	FLJ21511	4	48683207	5	0.036782
rs13531	DCUN1D4	4	52474805	3	0.154681
rs13531	DCUN1D4	4	52474805	7	3.97095
rs13531	DCUN1D4	4	52474805	6	0.490245
rs13531	DCUN1D4	4	52474805	4	0.184091
rs13531	DCUN1D4	4	52474805	2	1.008232
rs1519588	LOC339977	4	52554913	3	0.723941
rs1519588	LOC339977	4	52554913	7	1.296437
rs1519588	LOC339977	4	52554913	6	1.066525
rs170424	SGCB	4	52582783	7	0.655335
rs170424	SGCB	4	52582783	3	0.823094
rs6835977	SCFD2	4	53434429	6	3.243251
rs1351514	SCFD2	4	53926867	1	5.455132
rs1351514	SCFD2	4	53926867	3	0.496431
rs1014056	LNX1	4	54020747	3	0.448384
rs1014056	LNX1	4	54020747	1	3.822842
rs17084051	LOC442108	4	54782338	3	0.727918
SNP4-54834528	PDGFRA	4	54834528	8	7.238384
SNP4-54834528	PDGFRA	4	54834528	3	0.181636
rs2228230	PDGFRA	4	54846797	8	6.93805
rs2228230	PDGFRA	4	54846797	3	0.745756
rs2228230	PDGFRA	4	54846797	5	6.248804
rs1870377	KDR	4	55667731	7	7.020934
rs1870377	KDR	4	55667731	1	5.442348

rs576732	SRD5A3	4	55931894	4	0.042859
rs576732	SRD5A3	4	55931894	2	5.485568
rs576732	SRD5A3	4	55931894	8	0.257855
rs11658	EXOC1	4	56465846	5	0.457965
SNP4-56515169	CEP135	4	56515169	2	3.315588
SNP4-56906109	AASDH	4	56906109	5	9.507191
SNP4-56906109	AASDH	4	56906109	2	7.084802
SNP4-56906109	AASDH	4	56906109	8	5.603352
SNP4-56943473	AASDH	4	56943473	8	1.413675
rs2030364	LOC644196	4	56980666	5	0.428251
rs2030364	LOC644196	4	56980666	2	2.701994
rs3822001	PPAT	4	56996507	5	0.04921
rs3822001	PPAT	4	56996507	2	2.162093
rs3822001	PPAT	4	56996507	8	1.517087
rs17086879	SRP72	4	57051345	8	2.206086
rs34419325	SRP72	4	57056310	4	0.586781
rs4429779	HOPX	4	57217403	8	1.241224
rs4429779	HOPX	4	57217403	6	0.286017
rs3796529	REST	4	57492171	7	0.143909
rs3796529	REST	4	57492171	3	0.262567
rs6821028	NULL	4	61976044	8	4.414548
rs6821028	NULL	4	61976044	6	0.17471
rs6821028	NULL	4	61976044	5	0.212836
rs6821028	NULL	4	61976044	4	0.911158
rs7692496	CENPC1	4	68020604	5	0.195332
rs7692496	CENPC1	4	68020604	8	1.416817
rs7692496	CENPC1	4	68020604	7	0.336293
rs1056787	CENPC1	4	68062665	1	6.17804
rs13149974	STAP1	4	68125563	4	0.090211
rs1054593	STAP1	4	68155023	5	0.497997
rs1054593	STAP1	4	68155023	6	1.165368
rs1038426	GNRHR	4	68286130	4	1.248196
rs1038426	GNRHR	4	68286130	3	0.831931
rs1038426	GNRHR	4	68286130	1	4.155088
rs1038427	GNRHR	4	68286297	3	1.220734
rs1038427	GNRHR	4	68286297	1	3.894779
rs1038427	GNRHR	4	68286297	4	0.407335
rs1038427	GNRHR	4	68286297	7	1.508104
rs13150734	GNRHR	4	68287533	3	1.068774
rs13150734	GNRHR	4	68287533	4	0.28531
rs13150734	GNRHR	4	68287533	1	4.387529
rs17635850	GNRHR	4	68287964	3	0.149626
rs17635850	GNRHR	4	68287964	1	3.786172
rs4986942	GNRHR	4	68302196	1	5.716357
rs2062302	GNRHR	4	68303903	3	0.358936
rs2062302	GNRHR	4	68303903	4	0.689054
rs2062301	GNRHR	4	68303927	3	0.342799

rs2062301	GNRHR	4	68303927	4	7.262434
rs2062301	GNRHR	4	68303927	7	1.861568
rs13138607	GNRHR	4	68304145	3	0.044069
rs13138607	GNRHR	4	68304145	4	0.377518
rs353163	TMPRSS11A	4	68467369	3	1.312803
rs353163	TMPRSS11A	4	68467369	1	1.607219
rs1370840	TMPRSS11A	4	68492841	4	0.078681
rs1438444	TMPRSS11F	4	68601691	4	4.670597
rs10018943	TMPRSS11F	4	68602212	4	0.351493
rs3819257	SYT14L	4	68611132	4	0.511543
rs2319797	TMPRSS11B	4	68777102	4	0.767138
rs1715081	YTHDC1	4	68859393	7	2.03442
rs1715081	YTHDC1	4	68859393	4	5.171979
rs10033058	YTHDC1	4	68860003	7	1.076686
rs10033058	YTHDC1	4	68860003	4	1.281169
rs10033058	YTHDC1	4	68860003	6	1.955369
rs3100	UGT2B15	4	69547273	1	2.051717
rs2018024	LOC642381	4	69897507	7	2.750087
rs2018024	LOC642381	4	69897507	8	3.27375
rs2292092	SULT1B1	4	70627379	2	0.552354
rs2292092	SULT1B1	4	70627379	3	0.949244
rs2292092	SULT1B1	4	70627379	1	0.394143
SNP4-71058688	C4orf40	4	71058688	4	3.076363
SNP4-71058688	C4orf40	4	71058688	5	3.137709
rs3196714	ODAM	4	71103078	5	1.023451
rs777793	C4orf7	4	71135522	3	0.368562
rs777793	C4orf7	4	71135522	4	0.095175
rs777793	C4orf7	4	71135522	6	1.418613
SNP4-71266977	SMR3A	4	71266977	5	1.896058
SNP4-71266977	SMR3A	4	71266977	4	3.681294
SNP4-71266977	SMR3A	4	71266977	6	3.54478
SNP4-71266977	SMR3A	4	71266977	3	3.035755
rs3733493	SMR3B	4	71290356	3	1.539795
rs3733493	SMR3B	4	71290356	6	4.447145
rs3733493	SMR3B	4	71290356	4	3.746119
rs2306948	MUC7	4	71374317	6	1.83292
rs2306948	MUC7	4	71374317	4	1.346097
rs6826961	MUC7	4	71381290	6	1.875812
rs6826961	MUC7	4	71381290	4	2.591261
rs3733491	MUC7	4	71382443	6	2.694254
rs7660807	AMTN	4	71423140	5	0.030805
rs7660807	AMTN	4	71423140	7	0.091024
rs17676820	AMTN	4	71431578	3	0.37441
rs17676820	AMTN	4	71431578	4	0.413074
rs35266919	AMBN	4	71503574	1	0.533921
rs35266919	AMBN	4	71503574	3	0.24299
rs3733488	UTP3	4	71773139	2	4.339859

rs6836323	MOBKL1A	4	72070540	5	6.433622
rs1043218	SLC4A4	4	72655099	2	0.921448
rs788908	ADAMTS3	4	73633150	6	0.014955
rs788908	ADAMTS3	4	73633150	5	0.274688
rs788908	ADAMTS3	4	73633150	4	1.42854
rs1052080	COX18	4	74139486	6	1.732683
rs1052080	COX18	4	74139486	7	4.261914
rs1052080	COX18	4	74139486	8	4.627883
rs1052080	COX18	4	74139486	3	0.900694
rs2367288	LOC728045	4	74932962	3	1.12165
rs2367288	LOC728045	4	74932962	1	0.957861
rs2367288	LOC728045	4	74932962	7	0.88875
SNP4-74939062	PF4V1	4	74939062	5	0.938338
rs352047	CXCL5	4	75080954	2	0.57421
rs425535	CXCL5	4	75082861	2	4.890036
rs16850883	MTHFD2L	4	75387649	5	0.131331
rs16850883	MTHFD2L	4	75387649	4	4.886672
rs16850883	MTHFD2L	4	75387649	3	1.028456
rs16850883	MTHFD2L	4	75387649	6	5.032118
rs1017733	EREG	4	75471214	4	0.319983
rs1017733	EREG	4	75471214	8	0.696809
rs1017733	EREG	4	75471214	1	4.733044
SNP4-75938541	BTC	4	75938541	6	0.420731
rs9090	DKFZP564O0823	4	76191437	2	5.868749
rs890289	DKFZP564O0823	4	76192056	2	4.085356
rs1043633	DKFZP564O0823	4	76192854	2	4.677611
rs2306175	C4orf26	4	76708369	1	4.642688
rs2306175	C4orf26	4	76708369	3	0.782471
rs2306174	C4orf26	4	76708606	1	2.208897
rs41282391	USO1	4	76949225	3	1.211123
rs2242470	SDAD1	4	77097712	3	1.631035
rs2242470	SDAD1	4	77097712	6	0.985167
rs9994667	CXCL11	4	77174272	3	1.085586
rs1128864	ART3	4	77252614	3	0.03525
rs17001890	FLJ25770	4	77524370	4	0.121838
rs17001890	FLJ25770	4	77524370	3	1.227872
SNP4-77850449	SHROOM3	4	77850449	3	0.099568
SNP4-77850449	SHROOM3	4	77850449	4	3.448998
rs344140	SHROOM3	4	77879186	7	0.462928
rs344140	SHROOM3	4	77879186	2	0.330676
rs344140	SHROOM3	4	77879186	4	0.412816
rs344140	SHROOM3	4	77879186	1	0.41302
rs344140	SHROOM3	4	77879186	6	0.081739
rs344141	SHROOM3	4	77879755	1	0.684508
rs344141	SHROOM3	4	77879755	3	0.203802
rs2703130	ANKRD56	4	78036898	4	0.215714
rs873090	11-Sep	4	78090040	2	5.480876

rs873090	11-Sep	4	78090040	5	0.286923
rs873090	11-Sep	4	78090040	8	2.646248
rs873090	11-Sep	4	78090040	4	2.808742
rs4150050	CCNG2	4	78298719	1	6.395894
rs4150052	CCNG2	4	78298796	7	0.295034
rs1052563	CXCL13	4	78751256	5	0.405411
rs28695846	MRPL1	4	79003037	1	3.121064
rs12504081	FRAS1	4	79424723	5	0.015644
rs12504081	FRAS1	4	79424723	7	5.219971
rs12504081	FRAS1	4	79424723	2	4.877759
rs12504081	FRAS1	4	79424723	3	0.912422
rs12504081	FRAS1	4	79424723	8	0.218169
rs12504081	FRAS1	4	79424723	1	0.489602
rs345514	FRAS1	4	79457673	2	2.399716
rs345514	FRAS1	4	79457673	6	0.598163
rs6851427	FRAS1	4	79604743	1	3.831971
rs6851427	FRAS1	4	79604743	8	0.456092
rs6851427	FRAS1	4	79604743	7	0.646423
rs11098194	FRAS1	4	79619892	7	0.510486
rs11098194	FRAS1	4	79619892	8	0.803885
rs11098194	FRAS1	4	79619892	1	4.553622
rs3749487	FRAS1	4	79656179	6	4.813376
rs3749487	FRAS1	4	79656179	2	5.68065
rs931605	FRAS1	4	79662861	4	0.159172
rs931605	FRAS1	4	79662861	1	6.306343
rs931605	FRAS1	4	79662861	7	0.554144
rs3749485	FRAS1	4	79681584	1	4.839793
rs3749485	FRAS1	4	79681584	7	0.01947
rs3749485	FRAS1	4	79681584	6	0.098685
rs1564458	PAQR3	4	80059980	2	3.816837
rs13140055	ANTXR2	4	81212820	6	0.053874
rs13140055	ANTXR2	4	81212820	7	0.611138
rs13140055	ANTXR2	4	81212820	1	1.726744
rs11557908	ANTXR2	4	81213057	4	1.345744
rs11557908	ANTXR2	4	81213057	1	3.395713
rs11557908	ANTXR2	4	81213057	7	0.193693
rs2292842	PRDM8	4	81344005	2	1.029968
rs2292842	PRDM8	4	81344005	7	0.529555
rs2288338	HNRPD	4	83493658	8	0.263751
rs2288338	HNRPD	4	83493658	4	0.568205
GA004127	HNRPDL	4	83569978	8	0.891939
rs3733227	SCD5	4	83801235	1	6.356442
rs3733227	SCD5	4	83801235	6	3.695817
rs3733227	SCD5	4	83801235	5	0.706101
rs3733227	SCD5	4	83801235	7	0.482539
rs6830422	LIN54	4	84067989	6	1.311453
rs6830422	LIN54	4	84067989	1	0.15602

rs4396979	LOC391674	4	84387677	1	2.925052
rs4396979	LOC391674	4	84387677	6	0.230469
rs4396979	LOC391674	4	84387677	3	0.503599
rs348700	LOC152845	4	85385044	4	0.829675
rs348700	LOC152845	4	85385044	7	4.815823
rs348700	LOC152845	4	85385044	8	2.314893
rs348700	LOC152845	4	85385044	2	0.755191
rs7681742	WDFY3	4	85949776	7	4.752056
rs346498	ARHGAP24	4	87070584	2	3.088851
rs346498	ARHGAP24	4	87070584	3	0.843359
rs346498	ARHGAP24	4	87070584	7	1.104857
rs934648	ARHGAP24	4	87142476	4	1.485087
rs934648	ARHGAP24	4	87142476	3	0.558649
rs958	MAPK10	4	87156898	8	3.736844
rs958	MAPK10	4	87156898	7	0.914028
rs958	MAPK10	4	87156898	1	2.531806
rs958	MAPK10	4	87156898	2	0.786017
rs13106574	SLC10A6	4	87988953	1	1.383316
rs13106574	SLC10A6	4	87988953	4	1.024505
rs13106574	SLC10A6	4	87988953	7	0.246714
SNP4-88028044	C4orf36	4	88028044	3	0.336996
rs340638	AFF1	4	88147228	6	0.84537
rs340638	AFF1	4	88147228	8	3.806259
rs6531985	HSD17B11	4	88512911	2	1.188885
rs6531985	HSD17B11	4	88512911	1	0.16185
rs6531985	HSD17B11	4	88512911	5	1.428801
rs6531985	HSD17B11	4	88512911	4	0.819672
rs9933	SPARCL1	4	88620640	2	3.100423
rs9933	SPARCL1	4	88620640	5	0.181813
rs9933	SPARCL1	4	88620640	3	0.29799
rs8342	SPARCL1	4	88635247	2	0.767959
rs8342	SPARCL1	4	88635247	5	0.273513
rs8342	SPARCL1	4	88635247	3	0.396309
rs1049539	SPARCL1	4	88669372	1	3.088839
rs1049539	SPARCL1	4	88669372	4	0.764997
rs10019009	DMP1	4	88802159	8	4.431502
rs13144371	IBSP	4	88951770	1	0.589814
rs13144371	IBSP	4	88951770	2	0.135318
rs2231135	ABCG2	4	89299018	3	1.615724
rs3177413	PIGY	4	89662185	6	1.020857
rs3737488	HERC3	4	89826928	6	0.041191
rs7698491	HERC3	4	89826955	1	3.122085
rs2602122	NAP1L5	4	89836464	4	3.097175
rs28435799	NAP1L5	4	89836954	1	4.351567
rs1059122	FAM13A1	4	89866447	4	6.429021
rs1059122	FAM13A1	4	89866447	1	3.761986
rs1059122	FAM13A1	4	89866447	7	5.803758



rs1059122	FAM13A1	4	89866447	6	0.106932
rs1801915	FAM13A1	4	89872280	6	3.608048
rs7657817	FAM13A1	4	89887882	4	4.541724
rs7657817	FAM13A1	4	89887882	6	0.402505
rs1431550	GPRIN3	4	90387438	5	0.879492
rs1431550	GPRIN3	4	90387438	6	5.149186
rs1431550	GPRIN3	4	90387438	4	0.086861
rs1431550	GPRIN3	4	90387438	3	0.229379
rs1431550	GPRIN3	4	90387438	8	4.933198
rs1442138	MMRN1	4	91035317	1	2.887059
rs1442138	MMRN1	4	91035317	8	3.045407
rs11730314	MGC48628	4	91921845	4	0.10346
rs11730314	MGC48628	4	91921845	1	0.39881
rs7653977	LOC728394	4	92459301	3	0.496761
rs7653977	LOC728394	4	92459301	5	0.343108
rs7653977	LOC728394	4	92459301	1	0.182765
rs7653977	LOC728394	4	92459301	6	0.694894
rs6532289	LOC728394	4	92459825	5	4.276252
rs6532289	LOC728394	4	92459825	1	0.502759
rs6532289	LOC728394	4	92459825	6	4.142383
rs6532289	LOC728394	4	92459825	3	0.564429
rs6532289	LOC728394	4	92459825	2	0.21862
rs12642449	PDLIM5	4	95727778	3	0.554978
rs12642449	PDLIM5	4	95727778	8	3.789259
rs1043853	PDLIM5	4	95807297	3	0.604258
rs35120448	UNC5C	4	96385293	1	2.918957
rs783960	C4orf37	4	99112460	7	0.589737
rs783960	C4orf37	4	99112460	3	0.264738
rs783960	C4orf37	4	99112460	6	2.598178
rs783960	C4orf37	4	99112460	4	1.085287
rs783959	C4orf37	4	99112499	6	2.611521
rs783959	C4orf37	4	99112499	3	0.298108
rs783959	C4orf37	4	99112499	4	0.429867
rs783959	C4orf37	4	99112499	7	0.49575
rs17558193	C4orf37	4	99268616	6	0.395908
rs17558193	C4orf37	4	99268616	7	1.032399
rs17558193	C4orf37	4	99268616	3	0.995985
rs17558193	C4orf37	4	99268616	4	1.663835
rs4699605	C4orf37	4	99283402	4	1.439526
rs4699605	C4orf37	4	99283402	7	1.742566
rs4699605	C4orf37	4	99283402	6	0.6553
rs4699605	C4orf37	4	99283402	2	4.402594
rs4699605	C4orf37	4	99283402	3	0.493027
rs6810489	LOC728710	4	100096468	2	0.044224
rs6810489	LOC728710	4	100096468	5	1.320829
rs6810489	LOC728710	4	100096468	7	0.845669
rs6810489	LOC728710	4	100096468	4	0.451778

rs6810489	LOC728710	4	100096468	6	0.185051
rs1042365	ADH4	4	100264523	5	0.121884
rs1042365	ADH4	4	100264523	1	0.296246
rs1042364	ADH4	4	100264597	6	1.704714
rs1042364	ADH4	4	100264597	5	0.594509
rs1042364	ADH4	4	100264597	1	0.900922
rs1126673	ADH4	4	100264639	1	1.747851
rs1126673	ADH4	4	100264639	6	0.329776
rs1126673	ADH4	4	100264639	4	1.375817
rs1126673	ADH4	4	100264639	2	0.789073
rs1126672	ADH4	4	100266835	4	2.541975
rs1126672	ADH4	4	100266835	1	0.11302
rs1126672	ADH4	4	100266835	2	0.414581
rs1126672	ADH4	4	100266835	5	1.271755
rs1126672	ADH4	4	100266835	6	0.281386
rs1126671	ADH4	4	100267437	1	0.629355
rs1126671	ADH4	4	100267437	4	0.286602
rs1126671	ADH4	4	100267437	6	1.144378
rs1126670	ADH4	4	100271756	6	2.685507
rs1126670	ADH4	4	100271756	4	1.534675
rs1126670	ADH4	4	100271756	1	1.61522
rs1126670	ADH4	4	100271756	2	0.08004
rs2032349	ADH4	4	100281842	5	0.751278
rs698	ADH1C	4	100479812	3	0.21057
rs698	ADH1C	4	100479812	4	1.854268
rs698	ADH1C	4	100479812	2	4.507829
rs284787	ADH7	4	100552579	5	3.000805
rs894369	ADH7	4	100552869	4	1.518048
rs894369	ADH7	4	100552869	1	2.65665
rs3805331	ADH7	4	100552955	7	2.360265
rs284786	ADH7	4	100553000	5	0.472
rs4147554	ADH7	4	100553089	7	0.390053
rs971074	ADH7	4	100560884	1	6.246482
rs971074	ADH7	4	100560884	5	1.633431
rs13143848	C4orf17	4	100662743	8	0.862686
rs10026790	RG9MTD2	4	100703566	3	0.867843
rs10026790	RG9MTD2	4	100703566	1	5.104751
rs3816873	MTTP	4	100723687	1	0.083115
rs3816873	MTTP	4	100723687	3	0.13315
rs17599091	MTTP	4	100731942	1	1.296164
rs12641768	LOC285556	4	100777617	8	0.289658
rs4699384	LOC285556	4	100789704	1	0.579889
rs4699384	LOC285556	4	100789704	8	0.108886
rs1491242	LOC285556	4	100790024	8	0.252908
rs1491242	LOC285556	4	100790024	1	0.410286
rs715239	DAPP1	4	100957058	1	5.857885
rs715239	DAPP1	4	100957058	3	0.293866

rs15924	DAPP1	4	101009330	6	6.172142
rs17029673	LOC256880	4	101091388	3	0.901615
rs17029673	LOC256880	4	101091388	7	1.265184
rs17029673	LOC256880	4	101091388	8	0.162027
rs17029673	LOC256880	4	101091388	2	3.352596
rs1063821	DDIT4L	4	101326299	1	5.826174
rs1063821	DDIT4L	4	101326299	7	0.811535
rs1063821	DDIT4L	4	101326299	3	0.189814
rs2903209	DDIT4L	4	101326315	3	0.182523
rs2903209	DDIT4L	4	101326315	7	1.552687
rs2903209	DDIT4L	4	101326315	2	2.854749
rs3819185	DDIT4L	4	101326398	3	1.154136
rs3819185	DDIT4L	4	101326398	7	2.250667
rs3819184	DDIT4L	4	101326440	7	0.021274
rs3819184	DDIT4L	4	101326440	2	3.398755
rs3819184	DDIT4L	4	101326440	3	0.271156
rs3819183	DDIT4L	4	101326499	2	4.080672
rs3819183	DDIT4L	4	101326499	3	1.105825
rs3819182	DDIT4L	4	101326687	3	0.357182
rs3819182	DDIT4L	4	101326687	1	4.055454
rs17029766	DDIT4L	4	101326825	6	0.097784
rs17029766	DDIT4L	4	101326825	1	4.205403
rs17029766	DDIT4L	4	101326825	5	3.838133
rs11734827	DDIT4L	4	101327031	7	0.355202
rs11734827	DDIT4L	4	101327031	3	0.940063
rs11726613	DDIT4L	4	101327080	5	0.392157
rs11726613	DDIT4L	4	101327080	2	2.508714
rs11726613	DDIT4L	4	101327080	3	0.550377
rs11726613	DDIT4L	4	101327080	8	0.249157
rs11734833	DDIT4L	4	101327092	5	0.020484
rs11726694	DDIT4L	4	101327155	2	5.390819
rs11726694	DDIT4L	4	101327155	3	0.987354
rs11726694	DDIT4L	4	101327155	5	0.084
rs11726650	DDIT4L	4	101327214	2	4.648564
rs11726650	DDIT4L	4	101327214	5	0.165249
rs11726650	DDIT4L	4	101327214	3	0.962562
rs11726650	DDIT4L	4	101327214	8	1.876559
rs10007201	DDIT4L	4	101327355	3	0.247386
rs10007201	DDIT4L	4	101327355	8	0.113506
rs10007201	DDIT4L	4	101327355	5	0.518526
rs10007201	DDIT4L	4	101327355	1	4.50674
rs3749604	DDIT4L	4	101328184	3	0.381061
rs3749604	DDIT4L	4	101328184	2	5.179658
rs3749604	DDIT4L	4	101328184	7	1.419386
rs9990699	LOC728771	4	101952470	3	0.786509
rs9990699	LOC728771	4	101952470	4	3.542265
rs9990699	LOC728771	4	101952470	1	0.245171

rs10516486	BANK1	4	102970299	5	0.819199
rs10516486	BANK1	4	102970299	2	5.038591
rs10516486	BANK1	4	102970299	3	1.793288
rs3113676	BANK1	4	103184066	4	1.084766
rs6842661	BANK1	4	103214286	4	1.168751
rs6842661	BANK1	4	103214286	3	0.529103
rs223391	UBE2D3	4	103967359	6	0.941163
rs223391	UBE2D3	4	103967359	8	2.898582
rs223391	UBE2D3	4	103967359	5	4.739416
rs223391	UBE2D3	4	103967359	2	4.704457
rs3733632	TACR3	4	104860384	6	1.232918
rs4413407	CXXC4	4	105612810	2	4.801323
rs4413407	CXXC4	4	105612810	4	0.347218
rs17253672	KIAA1546	4	106375636	7	0.265614
rs7670522	KIAA1546	4	106379814	3	0.589655
rs7670522	KIAA1546	4	106379814	8	1.200127
rs13787	PPA2	4	106536878	3	0.104444
rs13787	PPA2	4	106536878	1	6.68771
rs13787	PPA2	4	106536878	7	0.399646
rs13787	PPA2	4	106536878	5	0.277805
rs3864227	LOC402182	4	106667201	5	1.636609
rs3864227	LOC402182	4	106667201	7	1.225378
rs3864227	LOC402182	4	106667201	6	1.890276
rs3864227	LOC402182	4	106667201	4	2.12472
rs4340795	NPNT	4	107081179	4	0.377441
rs4340795	NPNT	4	107081179	2	4.762398
rs4340795	NPNT	4	107081179	7	4
rs4340795	NPNT	4	107081179	5	1.370023
rs11733075	NPNT	4	107109803	7	0.923987
rs11733103	NPNT	4	107109819	7	0.499452
rs11735326	NPNT	4	107111343	7	1.069912
rs3733635	DKK2	4	108176354	8	1.257752
rs973126	PAPSS1	4	108860749	1	3.970911
rs3756271	CYP2U1	4	109093488	4	0.099287
rs3756271	CYP2U1	4	109093488	5	3.76411
rs3756271	CYP2U1	4	109093488	7	0.632763
rs3756271	CYP2U1	4	109093488	6	2.858918
rs3756271	CYP2U1	4	109093488	1	4.65679
rs3756271	CYP2U1	4	109093488	3	0.184535
rs3756271	CYP2U1	4	109093488	8	5.529991
rs4245927	LEF1	4	109189039	1	3.096919
rs4245927	LEF1	4	109189039	5	1.038217
rs7686569	FLJ37673	4	109697228	5	1.189846
rs7686569	FLJ37673	4	109697228	1	1.752722
rs7686569	FLJ37673	4	109697228	4	0.043214
rs7686569	FLJ37673	4	109697228	6	1.200074
rs3796934	FLJ37673	4	109761110	1	0.36317

rs7657133	RRH	4	110984821	3	1.703836
rs6839680	RRH	4	110984945	6	4.482305
rs6839680	RRH	4	110984945	5	0.418903
rs17040904	LRIT3	4	110992160	7	0.369773
rs4698797	LRIT3	4	110992516	3	0.302734
rs4698797	LRIT3	4	110992516	5	2.595188
rs7679048	LRIT3	4	111005739	3	0.239167
rs7679048	LRIT3	4	111005739	5	0.288071
rs7679048	LRIT3	4	111005739	2	2.667688
rs2347131	LRIT3	4	111010810	3	2.12101
rs4444903	EGF	4	111053559	4	0.880861
rs11568943	EGF	4	111102570	2	0.113311
rs11568943	EGF	4	111102570	3	8.550978
rs11568943	EGF	4	111102570	7	0.388979
rs11568993	EGF	4	111116764	2	3.662401
rs11568993	EGF	4	111116764	3	0.431802
rs11569017	EGF	4	111121560	7	5.97214
rs11569017	EGF	4	111121560	2	4.093527
rs11569017	EGF	4	111121560	3	0.145106
rs4698803	EGF	4	111133876	7	0.489766
rs4698803	EGF	4	111133876	4	0.373323
rs10004479	LOC391686	4	112085786	2	1.080264
rs3203648	TIFA	4	113417579	1	0.768347
rs4834267	LOC645237	4	113497960	6	0.032831
rs4834267	LOC645237	4	113497960	5	0.018599
rs4834267	LOC645237	4	113497960	4	0.548068
rs4834267	LOC645237	4	113497960	7	0.275668
rs1009475	LOC645237	4	113500196	2	1.282675
rs1009475	LOC645237	4	113500196	5	0.207325
rs1009475	LOC645237	4	113500196	1	1.080938
rs231253	ALPK1	4	113582071	8	0.460883
rs231253	ALPK1	4	113582071	6	1.965952
rs231253	ALPK1	4	113582071	7	8.585226
rs231253	ALPK1	4	113582071	1	6.273511
rs231253	ALPK1	4	113582071	5	0.106469
rs17605622	LOC91431	4	113701595	3	0.829033
rs17669218	C4orf21	4	113744172	8	0.830173
rs17669218	C4orf21	4	113744172	3	1.107575
SNP4-113758840	C4orf21	4	113758840	8	3.670764
rs13104310	C4orf21	4	113773834	5	1.123027
rs13104310	C4orf21	4	113773834	8	2.222024
rs13104310	C4orf21	4	113773834	2	4.122494
rs13104310	C4orf21	4	113773834	1	0.183609
rs3733617	ANK2	4	114497726	8	0.524068
rs10013743	ANK2	4	114498871	2	3.41615
rs11731775	CAMK2D	4	114902163	7	0.868168
rs11731775	CAMK2D	4	114902163	1	2.157677

rs10028980	NDST3	4	119278737	3	0.056525
rs617430	NDST3	4	119381243	1	1.152218
rs617430	NDST3	4	119381243	5	0.043062
rs617430	NDST3	4	119381243	2	0.742247
SNP4-119439357	PRSS12	4	119439357	2	3.070212
SNP4-119439357	PRSS12	4	119439357	4	0.399162
rs28720014	CEP170L	4	119663904	1	2.812444
rs28720014	CEP170L	4	119663904	2	4.280234
rs28720014	CEP170L	4	119663904	7	6.028299
rs28720014	CEP170L	4	119663904	5	1.579058
rs28720014	CEP170L	4	119663904	4	2.765695
rs28720014	CEP170L	4	119663904	3	4.092793
rs17263971	SYNPO2	4	120167494	8	0.593098
rs17263971	SYNPO2	4	120167494	3	0.456439
rs17263971	SYNPO2	4	120167494	6	2.564177
rs17263971	SYNPO2	4	120167494	7	1.042002
rs7698598	SYNPO2	4	120171095	4	1.464003
SNP4-120172403	SYNPO2	4	120172403	1	4.864717
SNP4-120172403	SYNPO2	4	120172403	6	0.833278
SNP4-120172403	SYNPO2	4	120172403	5	0.558274
rs17050125	SYNPO2	4	120199949	3	0.276389
rs17050125	SYNPO2	4	120199949	1	1.151255
rs1058450	SYNPO2	4	120200088	1	0.270226
rs1058450	SYNPO2	4	120200088	7	1.39881
rs1058450	SYNPO2	4	120200088	6	0.72186
rs17050116	SYNPO2	4	120200744	3	0.870278
rs10021107	SYNPO2	4	120200812	3	0.961456
rs1047894	SYNPO2	4	120201276	3	0.855282
rs7687613	MYOZ2	4	120304896	1	3.349688
rs878372	FABP2	4	120458228	8	0.886309
rs878372	FABP2	4	120458228	2	1.578079
rs10212775	FABP2	4	120458692	6	0.172812
rs10212775	FABP2	4	120458692	2	1.31381
rs11724758	FABP2	4	120459326	1	0.656542
rs13124532	PDE5A	4	120635893	1	3.140434
rs17006190	PDE5A	4	120638286	2	3.438362
rs17006190	PDE5A	4	120638286	8	1.652522
rs1160185	SAR1P3	4	121482947	1	1.490989
rs1160185	SAR1P3	4	121482947	7	0.998451
rs12499000	PRDM5	4	121925651	5	1.559426
rs12499000	PRDM5	4	121925651	3	0.378411
rs12499000	PRDM5	4	121925651	7	0.652036
rs12499000	PRDM5	4	121925651	1	4.519256
rs343192	PRDM5	4	121957499	5	0.239823
rs343192	PRDM5	4	121957499	1	5.038532
rs343192	PRDM5	4	121957499	3	0.171333
rs343192	PRDM5	4	121957499	6	0.444993

rs343192	PRDM5	4	121957499	7	0.011703
rs2276959	C4orf31	4	122186257	1	0.524513
rs11098602	TNIP3	4	122272091	7	0.56453
rs11098602	TNIP3	4	122272091	1	1.626918
rs11098602	TNIP3	4	122272091	3	0.372185
rs6846553	TNIP3	4	122272673	1	2.928813
rs6846553	TNIP3	4	122272673	7	0.008144
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rs17051298	TNIP3	4	122295189	3	0.103496
rs10000692	TNIP3	4	122297767	3	0.962966
rs2013534	LOC729109	4	122510581	1	0.917003
rs2013534	LOC729109	4	122510581	7	1.127615
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rs692613	LOC729112	4	122590616	4	0.295936
rs692616	LOC729112	4	122590698	5	0.821686
rs1507996	BBS7	4	122965179	5	4.189241
rs1507996	BBS7	4	122965179	3	0.393521
rs1507996	BBS7	4	122965179	6	4.598449
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rs11732666	TRPC3	4	123043502	2	3.712917
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rs7658836	KIAA1109	4	123365201	4	5.360046
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rs17009618	FAT4	4	126556153	6	0.9305
rs1567047	FAT4	4	126592192	4	0.384777
rs1567047	FAT4	4	126592192	5	0.124443
rs1567047	FAT4	4	126592192	8	1.892775
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rs1014867	FAT4	4	126632341	2	2.796785
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rs313098	LOC132817	4	127705080	8	1.545001

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rs2044116	LOC132430	4	135340818	4	0.087993
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rs10009368	LOC132430	4	135341051	8	0.357573
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rs28568985	LOC389223	4	136186045	7	2.43264
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rs28568985	LOC389223	4	136186045	2	3.907734
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rs10018837	PCDH18	4	138669133	7	1.349614
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rs2132845	MGST2	4	140806575	2	5.56735
rs11944843	MAML3	4	140857153	8	0.629204



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rs2270565	UCP1	4	141702921	4	0.365465
rs17006560	RNF150	4	142008646	1	5.932959
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rs4240334	GYPE	4	145011955	6	0.863227
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rs1808991	GYPE	4	145012409	3	6.046077
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rs1132787	GYPB	4	145249996	4	1.550794
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rs35231662	TTC29	4	148008178	5	0.345056
rs35231662	TTC29	4	148008178	3	0.120036
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rs10305937	EDNRA	4	148684876	2	4.107716
rs11557361	LOC90826	4	148779643	4	0.899859
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rs5536	NR3C2	4	149220143	1	5.666671
rs17024360	NR3C2	4	149221533	1	4.99446
rs5525	NR3C2	4	149575966	6	5.282752
rs5525	NR3C2	4	149575966	8	0.78389
rs3749574	LRBA	4	151426577	6	7.365039
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rs11735845	LRBA	4	151984786	6	0.873372
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rs7669741	KIAA0922	4	154733172	4	1.062486
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rs7656522	DCHS2	4	155630515	2	2.718291
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rs156502	RBM46	4	155939724	2	4.345212
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rs1047214	NPY2R	4	156355126	5	2.923375
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rs11099999	MAP9	4	156487303	3	0.120281
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rs2305050	MAP9	4	156493218	5	0.384107
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rs2305050	MAP9	4	156493218	3	1.167871
rs17377679	MAP9	4	156516510	1	5.080337
rs17377679	MAP9	4	156516510	6	1.574973
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rs4552421	NPY1R	4	164465113	1	5.26326
rs13306006	NPY1R	4	164473165	2	5.399456
rs12507653	LOC729743	4	164473783	3	1.315483
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rs2276977	FLJ11184	4	164635380	1	5.865448
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rs17045936	TRIM75	4	166201120	3	1.201936
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rs2279723	TLL1	4	167241809	7	0.092074
rs1497949	TLL1	4	167244165	1	0.553756
rs1497949	TLL1	4	167244165	5	0.224512
rs1497948	TLL1	4	167244355	7	1.920339
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rs1057377	SPOCK3	4	167892648	6	4.205304
rs1057377	SPOCK3	4	167892648	2	5.38296

rs1057377	SPOCK3	4	167892648	1	4.317852
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rs12880	DDX60L	4	169514736	4	4.908875
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SNP4-169537513	DDX60L	4	169537513	3	1.741752
SNP4-169537513	DDX60L	4	169537513	6	4.468953
SNP4-169579619	DDX60L	4	169579619	1	3.764702
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rs13151700	DDX60L	4	169599132	2	6.415919
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rs1806729	PALLD	4	169669416	3	0.61066
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rs12510359	LOC727835	4	169913967	2	0.953588
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rs7439293	LOC727835	4	169914061	2	4.064072
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rs17054604	CBR4	4	170146168	3	0.071605
SNP4-170635029	NEK1	4	170635029	1	0.71583
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SNP4-170713700	NEK1	4	170713700	2	6.318353
rs17055101	CLCN3	4	170870965	2	4.175297
rs1047642	C4orf27	4	170899810	4	0.634574
rs3733432	LOC441052	4	172970363	7	0.660121
rs2019683	GALNT17	4	174199000	5	0.342201
rs744724	NBLA00301	4	174696398	1	1.883323
rs10565	KIAA1712	4	175477703	8	0.103991
rs8752	HPGD	4	175649052	1	3.015201
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rs1050145	HPGD	4	175679731	8	0.484425
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rs12648678	GLRA3	4	175834855	2	1.274689
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rs12651268	GLRA3	4	175924716	3	3.05959
rs12651268	GLRA3	4	175924716	7	0.880988
rs3733398	GPM6A	4	176792579	2	2.240333
rs11736872	WDR17	4	177337638	3	0.497526
rs11736872	WDR17	4	177337638	4	3.07127
rs11736872	WDR17	4	177337638	2	1.652462

rs11736872	WDR17	4	177337638	8	0.422813
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rs6832177	SPATA4	4	177350830	2	4.016171
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rs6832177	SPATA4	4	177350830	3	0.20901
rs6832177	SPATA4	4	177350830	7	1.037031
rs2291244	SPATA4	4	177350950	5	0.663315
rs13109244	ASB5	4	177373143	5	2.852894
rs6827525	ASB5	4	177374982	5	2.201981
rs6827525	ASB5	4	177374982	3	1.528696
rs34193982	NEIL3	4	178499778	5	0.086116
rs34193982	NEIL3	4	178499778	3	1.348709
rs2309626	MGC45800	4	183300005	8	0.267707
rs11737546	MGC45800	4	183300377	6	1.413924
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rs17263582	ODZ3	4	183911691	7	1.095269
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rs11223	ODZ3	4	183957844	3	0.363454
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rs2309777	ODZ3	4	183959737	8	6.069977
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SNP4-184440880	WWC2	4	184440880	4	0.155306
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SNP4-184440880	WWC2	4	184440880	7	0.195049
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rs6819481	LOC391722	4	185475394	2	5.24973
rs793896	LOC728175	4	185487646	3	0.12679
rs4647603	CASP3	4	185806724	1	5.827221
rs6825561	MLF1IP	4	185852526	1	4.758134
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rs4956925	PLEKHG4B	5	237336	3	0.69074
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rs7727015	PLEKHG4B	5	238498	3	0.144142
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rs1993519	PLEKHG4B	5	241321	5	0.575331
rs17559144	PLEKHG4B	5	241719	4	1.141507
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rs6874933	PLEKHG4B	5	241747	5	0.949224
rs29680	PLEKHG4B	5	241896	1	1.672188
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rs3733796	LPCAT1	5	1547909	3	0.772867
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rs6555335	ADAMTS16	5	5253281	5	0.100899
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rs9313239	LOC729506	5	8512533	5	4.921749
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rs1448229	LOC729506	5	8512661	4	0.050575
rs17235366	SEMA5A	5	9092288	8	0.345849
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rs786840	SEMA5A	5	9094935	8	0.209874
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rs6554812	DNAH5	5	13815972	7	0.929322
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rs17285716	CDH18	5	19626931	4	0.915187
rs6451993	CDH12	5	21787813	4	0.05991
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rs4371716	CDH12	5	22114341	5	3.011774
rs3805547	PRDM9	5	23563764	1	1.937733
rs2302903	CDH6	5	31353286	5	2.247023
rs2302903	CDH6	5	31353286	2	1.8559
rs2291109	C5orf22	5	31568186	4	4.555293
rs10066063	PDZD2	5	32126051	2	0.760293
rs10066063	PDZD2	5	32126051	7	5.412013
rs10066063	PDZD2	5	32126051	5	4.446702
rs10066063	PDZD2	5	32126051	1	0.364185
rs16889442	PDZD2	5	32128827	5	4.163903
rs16889442	PDZD2	5	32128827	7	1.520417
rs16889442	PDZD2	5	32128827	1	1.210442
rs16889442	PDZD2	5	32128827	2	1.184114
SNP5-32436023	ZFR	5	32436023	1	4.834753
SNP5-32436023	ZFR	5	32436023	6	7.717964
SNP5-32436023	ZFR	5	32436023	8	0.201307
rs10079994	LOC340113	5	32983455	6	1.38897
rs4867491	LOC340113	5	32984837	5	1.690612
rs4867491	LOC340113	5	32984837	2	3.207702
rs10941035	LOC340113	5	32997426	5	0.061391
rs17549362	LOC728553	5	33198370	3	4.346268
rs2304621	TARS	5	33476881	7	0.680175
rs2304621	TARS	5	33476881	6	3.783039
rs26722	SLC45A2	5	33999627	5	1.487016
rs34677	AMACR	5	34034525	7	0.708226
rs34677	AMACR	5	34034525	4	1.406746
rs3195676	AMACR	5	34043857	5	1.27417
rs3195676	AMACR	5	34043857	3	0.433516
rs3195676	AMACR	5	34043857	1	4.179301
rs840391	C1QTNF3	5	34054261	3	0.120389
rs840391	C1QTNF3	5	34054261	5	3.989973
rs840391	C1QTNF3	5	34054261	7	0.398529
rs840391	C1QTNF3	5	34054261	1	5.11652
rs840391	C1QTNF3	5	34054261	4	0.711985
rs840391	C1QTNF3	5	34054261	8	0.679921
rs840390	C1QTNF3	5	34054380	4	0.123029
rs840389	C1QTNF3	5	34054441	1	4.626715
rs840389	C1QTNF3	5	34054441	5	0.58245
rs840389	C1QTNF3	5	34054441	3	0.105166
rs840389	C1QTNF3	5	34054441	4	0.130272
rs840388	C1QTNF3	5	34054647	3	0.084732
rs840388	C1QTNF3	5	34054647	5	1.17115
rs840388	C1QTNF3	5	34054647	4	0.341215
rs840388	C1QTNF3	5	34054647	1	1.904126
rs840385	C1QTNF3	5	34056115	8	0.505791
rs840385	C1QTNF3	5	34056115	1	5.405568

rs840385	C1QTNF3	5	34056115	7	0.914507
rs840385	C1QTNF3	5	34056115	4	0.213003
rs840385	C1QTNF3	5	34056115	3	0.282476
rs840385	C1QTNF3	5	34056115	5	5.815715
rs6451173	FLJ25439	5	34876598	1	1.053384
SNP5-35108469	PRLR	5	35108469	1	4.593387
rs16902381	SPEF2	5	35694996	7	2.114839
rs6891905	SPEF2	5	35706498	1	0.174577
rs7710284	SPEF2	5	35728532	7	0.478586
rs6451206	SPEF2	5	35736355	1	5.472808
SNP5-35912008	IL7R	5	35912008	1	4.686555
rs3088073	C5orf33	5	36229764	2	1.298651
rs3088073	C5orf33	5	36229764	6	3.255718
rs3088073	C5orf33	5	36229764	7	0.049773
rs3088073	C5orf33	5	36229764	8	6.29696
rs2973033	GDNF	5	37875390	8	0.089829
rs3110234	LIFR	5	38521822	3	0.492474
rs3110234	LIFR	5	38521822	6	0.174072
rs834011	OSMR	5	38969643	1	3.843984
rs1975089	RICTOR	5	38977847	1	4.611496
rs6863066	FYB	5	39255372	6	3.885844
rs1050903	DAB2	5	39430250	4	0.329972
rs1050903	DAB2	5	39430250	5	1.087038
rs1697938	CARD6	5	40890439	7	0.661207
rs1697938	CARD6	5	40890439	5	0.697838
rs1697938	CARD6	5	40890439	1	0.213912
rs1697938	CARD6	5	40890439	3	0.021296
rs13157656	C7	5	41000609	6	1.183501
rs704040	FLJ40243	5	41033953	3	0.510997
rs13174484	FLJ40243	5	41105609	3	0.168144
rs9200	C6	5	41178363	1	1.385252
rs9200	C6	5	41178363	3	1.601672
rs9200	C6	5	41178363	4	3.078792
rs7701760	PLCXD3	5	41346492	5	1.006718
rs1373639	PLCXD3	5	41346714	5	1.227356
rs11737958	PLCXD3	5	41347921	5	1.210214
rs6179	GHR	5	42735801	5	0.516222
rs6179	GHR	5	42735801	7	0.70811
rs6179	GHR	5	42735801	8	0.687337
rs6180	GHR	5	42754996	7	2.44749
rs6180	GHR	5	42754996	5	0.491261
rs6180	GHR	5	42754996	2	1.216044
rs6180	GHR	5	42754996	4	0.290796
rs6180	GHR	5	42754996	1	0.693574
rs2910875	GHR	5	42755583	2	0.630448
rs2910875	GHR	5	42755583	1	0.362572
rs2910875	GHR	5	42755583	4	0.60125

rs316408	LOC644010	5	43102531	8	4.436675
rs17243515	MGC42105	5	43228178	1	3.325077
rs17243515	MGC42105	5	43228178	7	0.177307
rs17302931	MGC42105	5	43228210	7	1.553204
rs17302931	MGC42105	5	43228210	1	1.381207
rs13659	HMGCS1	5	43326457	6	0.136727
rs13659	HMGCS1	5	43326457	1	0.130391
rs13659	HMGCS1	5	43326457	2	1.43817
rs13659	HMGCS1	5	43326457	7	0.389224
rs10055801	C5orf34	5	43550753	2	0.851036
rs10055801	C5orf34	5	43550753	1	0.379656
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rs11954894	LOC642366	5	50709888	8	0.077785
rs11954894	LOC642366	5	50709888	7	2.222927
rs2270756	PELO	5	52119768	5	0.988378
rs3088364	ITGA1	5	52284785	4	0.859922
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rs3088364	ITGA1	5	52284785	8	4.656906
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rs3088364	ITGA1	5	52284785	3	0.948669
rs3088363	ITGA1	5	52284812	4	4.420427
rs3088363	ITGA1	5	52284812	3	1.047623
rs3088363	ITGA1	5	52284812	2	1.081869
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rs3088363	ITGA1	5	52284812	6	3.106515
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rs1047481	ITGA1	5	52285233	2	1.99195
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rs1047481	ITGA1	5	52285233	3	0.448362
rs1047481	ITGA1	5	52285233	4	0.305504
rs1047481	ITGA1	5	52285233	8	3.365555
rs1047481	ITGA1	5	52285233	7	0.307278
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SNP5-52433762	MOCS2	5	52433762	7	0.124102
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rs722910	FST	5	52817354	6	1.748935
rs722910	FST	5	52817354	8	0.041679
rs35941	ARL15	5	53642052	4	0.34097
rs3822313	ESM1	5	54310631	7	0.385598
rs3822313	ESM1	5	54310631	1	1.304439
rs3822313	ESM1	5	54310631	3	0.178769
rs444527	CDC20B	5	54445856	1	0.846763
rs1021580	CDC20B	5	54475223	3	0.57157
rs4865953	RNF138P1	5	54860814	2	3.37473
rs4865615	FLJ90709	5	54996430	2	4.059678
rs4865615	FLJ90709	5	54996430	1	0.60541

rs4865615	FLJ90709	5	54996430	4	0.372479
rs4865615	FLJ90709	5	54996430	6	0.522109
rs957459	DDX4	5	55118231	2	1.694821
rs1009639	IL31RA	5	55191159	8	0.758274
rs161704	IL31RA	5	55242201	1	0.864439
rs161704	IL31RA	5	55242201	6	0.170741
rs161704	IL31RA	5	55242201	2	0.155397
rs161704	IL31RA	5	55242201	7	1.365359
rs17653152	LOC345645	5	55607777	8	4.805573
rs17653152	LOC345645	5	55607777	5	3.344249
rs17653152	LOC345645	5	55607777	3	3.534244
rs17653152	LOC345645	5	55607777	6	1.302114
rs832583	MAP3K1	5	56213974	4	3.2787
rs832546	MAP3K1	5	56226957	4	0.92341
SNP5-56269247	MIER3	5	56269247	3	0.178698
rs13159014	DKFZp686D0972	5	56812010	1	3.502229
rs11950021	LOC728103	5	57448054	4	0.432789
rs11950021	LOC728103	5	57448054	7	0.824156
rs11950021	LOC728103	5	57448054	5	1.178388
rs32613	PLK2	5	57786024	2	5.788311
rs7704785	C5orf29	5	57826094	5	2.681907
rs7704785	C5orf29	5	57826094	7	1.580922
rs7704785	C5orf29	5	57826094	3	0.81825
rs1389308	C5orf29	5	57827068	7	0.74971
rs829259	PDE4D	5	58303733	8	5.652911
rs829259	PDE4D	5	58303733	7	0.008382
rs829259	PDE4D	5	58303733	5	0.056603
rs16878354	ELOVL7	5	60083785	1	5.752415
rs13358053	ELOVL7	5	60085334	3	0.460075
rs153377	FLJ37543	5	61037303	3	1.989747
rs32170	IPO11	5	61882830	1	0.085658
rs32170	IPO11	5	61882830	2	0.631505
rs275819	SFRS12IP1	5	64059737	2	0.457511
rs275819	SFRS12IP1	5	64059737	4	1.365627
rs3756739	SFRS12IP1	5	64100167	5	0.886002
rs16893435	ADAMTS6	5	64480678	6	0.057902
GA004492	CENPK	5	64894711	3	1.642533
GA004492	CENPK	5	64894711	2	0.780775
rs28126	NULL	5	64960826	3	0.156096
rs28126	NULL	5	64960826	5	0.24416
rs28126	NULL	5	64960826	4	0.797604
rs27138	SGTB	5	65000893	4	1.123462
rs27138	SGTB	5	65000893	5	0.854045
rs27394	SGTB	5	65001513	4	0.024871
rs27394	SGTB	5	65001513	3	0.858114
rs27394	SGTB	5	65001513	2	4.174683
rs27394	SGTB	5	65001513	5	0.234848



rs3213837	ERBB2IP	5	65357067	5	0.077581
rs6893041	FLJ46010	5	65649994	7	0.547377
rs11955611	LOC202227	5	65903674	4	0.825637
rs5744463	CD180	5	66528168	8	0.614559
rs164572	SLC30A5	5	68454810	1	0.118843
rs1128761	CCNB1	5	68507003	3	0.885729
rs2242350	MRPS36	5	68549355	5	0.20448
rs2242350	MRPS36	5	68549355	4	2.816833
rs2242350	MRPS36	5	68549355	1	3.24289
rs2242350	MRPS36	5	68549355	8	0.018667
rs2242350	MRPS36	5	68549355	7	0.095917
rs2242350	MRPS36	5	68549355	6	0.166453
rs2972388	CDK7	5	68567009	6	0.35026
rs2972388	CDK7	5	68567009	7	0.637881
rs2972388	CDK7	5	68567009	4	3.151468
rs2972388	CDK7	5	68567009	8	1.919974
rs2972388	CDK7	5	68567009	1	5.195529
rs2972388	CDK7	5	68567009	5	0.237572
rs12651858	CCDC125	5	68613223	6	0.322434
rs4421064	CCDC125	5	68614184	4	0.108454
rs4421064	CCDC125	5	68614184	5	0.03745
rs4421064	CCDC125	5	68614184	1	3.685278
rs4421064	CCDC125	5	68614184	7	0.308643
rs28409706	NAIP	5	70344007	3	0.931335
rs3761966	BDP1	5	70836231	5	0.080104
rs3761966	BDP1	5	70836231	3	0.330476
rs3761966	BDP1	5	70836231	1	3.168688
SNP5-70842213	BDP1	5	70842213	6	1.176524
SNP5-70842213	BDP1	5	70842213	5	0.391139
SNP5-70842213	BDP1	5	70842213	2	3.490179
SNP5-70842213	BDP1	5	70842213	8	0.592292
SNP5-70842213	BDP1	5	70842213	7	5.659716
SNP5-70842213	BDP1	5	70842213	1	0.35657
rs10064079	MCCC2	5	70980831	3	1.095198
rs10064079	MCCC2	5	70980831	7	1.52793
rs10064079	MCCC2	5	70980831	6	0.403577
rs343109	ANKRA2	5	72897122	4	4.348676
rs2112159	ANKRA2	5	72897211	4	2.678222
rs343118	UTP15	5	72912532	4	0.183759
rs2973566	RGNEF	5	73184237	6	2.732937
rs2973566	RGNEF	5	73184237	3	0.456542
rs2973566	RGNEF	5	73184237	2	0.494541
rs2931423	RGNEF	5	73199587	3	0.21732
rs2931423	RGNEF	5	73199587	6	0.159462
rs11556477	GFM2	5	74098637	6	0.565951
rs6874609	TINP1	5	74105619	4	0.32135
SNP5-74145596	KIAA0888	5	74145596	4	5.865243

rs3811986	GCNT4	5	74360193	2	2.62448
rs3811986	GCNT4	5	74360193	4	0.367659
rs3811986	GCNT4	5	74360193	5	0.45414
rs3811986	GCNT4	5	74360193	6	0.386786
rs3811986	GCNT4	5	74360193	3	2.045526
rs3811987	GCNT4	5	74360304	3	0.620154
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rs3811987	GCNT4	5	74360304	6	3.411496
rs3811987	GCNT4	5	74360304	5	2.737229
rs3811987	GCNT4	5	74360304	4	3.509395
rs3811987	GCNT4	5	74360304	8	0.261916
rs10942729	ANKRD31	5	74400056	3	1.353203
rs10942729	ANKRD31	5	74400056	4	1.112281
rs961098	ANKRD31	5	74436142	3	0.417915
rs961098	ANKRD31	5	74436142	2	6.247796
rs1422699	ANKRD31	5	74478166	4	0.950067
rs1422699	ANKRD31	5	74478166	8	1.544014
rs1422699	ANKRD31	5	74478166	6	0.298311
rs1422699	ANKRD31	5	74478166	3	0.017224
rs6888707	ANKRD31	5	74478676	6	0.710819
rs6888707	ANKRD31	5	74478676	4	0.599171
rs6888707	ANKRD31	5	74478676	3	0.78818
rs6893216	ANKRD31	5	74478720	4	0.6184
rs1422698	ANKRD31	5	74478888	8	1.317511
rs1422698	ANKRD31	5	74478888	4	2.167477
rs1422698	ANKRD31	5	74478888	3	0.948731
rs1422698	ANKRD31	5	74478888	6	2.885092
rs9332464	LOC728780	5	74957442	4	1.732186
rs34358	LOC728780	5	75000878	4	4.82149
rs34358	LOC728780	5	75000878	2	3.091553
rs34358	LOC728780	5	75000878	8	4.971139
rs10070440	SV2C	5	75463691	5	0.404561
rs2270927	SV2C	5	75627466	3	0.244233
rs2270927	SV2C	5	75627466	2	1.723995
rs2270927	SV2C	5	75627466	6	4.744971
rs1047530	F2RL2	5	75947155	1	0.734727
rs1047530	F2RL2	5	75947155	5	0.20852
rs1047530	F2RL2	5	75947155	3	0.283736
rs1047530	F2RL2	5	75947155	2	0.087244
rs1047530	F2RL2	5	75947155	4	0.324647
rs1047529	F2RL2	5	75947220	3	0.440324
rs1047529	F2RL2	5	75947220	8	0.021378
rs1047529	F2RL2	5	75947220	4	0.299719
rs1047529	F2RL2	5	75947220	5	0.19689
rs1047529	F2RL2	5	75947220	1	0.051196
rs2069693	F2RL2	5	75947471	3	0.90023
rs2069693	F2RL2	5	75947471	1	0.309848

rs2069693	F2RL2	5	75947471	5	3.586912
rs2069693	F2RL2	5	75947471	4	0.159828
rs2069693	F2RL2	5	75947471	8	0.177489
rs1047494	F2RL2	5	75947743	1	0.100424
rs1047494	F2RL2	5	75947743	4	0.017537
rs1047494	F2RL2	5	75947743	5	0.720763
rs2069689	F2RL2	5	75948157	3	1.10506
rs2069689	F2RL2	5	75948157	1	0.598132
rs2069689	F2RL2	5	75948157	4	0.352626
rs2069689	F2RL2	5	75948157	2	0.003657
rs2069689	F2RL2	5	75948157	5	0.160574
rs961536	F2RL2	5	75948599	3	2.417281
rs2069700	F2RL2	5	75949759	4	1.371362
rs2910819	IQGAP2	5	75968625	4	4.867493
rs2910819	IQGAP2	5	75968625	2	4.962831
rs2455230	IQGAP2	5	75968721	7	0.793396
rs2455230	IQGAP2	5	75968721	2	4.74305
rs2455230	IQGAP2	5	75968721	4	0.065112
rs2431363	IQGAP2	5	75984406	6	1.572162
rs2431363	IQGAP2	5	75984406	2	3.868516
rs2431363	IQGAP2	5	75984406	7	0.13094
rs2431363	IQGAP2	5	75984406	4	3.155545
rs34592828	IQGAP2	5	76032665	2	5.633108
rs2242991	F2RL1	5	76150615	5	0.052118
rs1529505	F2RL1	5	76150719	5	0.659526
rs1529505	F2RL1	5	76150719	1	2.029018
rs1529505	F2RL1	5	76150719	3	0.254661
rs1320308	S100Z	5	76207008	7	0.572129
SNP5-76394780	AGGF1	5	76394780	1	5.180194
SNP5-76394780	AGGF1	5	76394780	7	0.094683
SNP5-76394780	AGGF1	5	76394780	4	2.051524
rs33204	WDR41	5	76769840	6	3.526415
rs33204	WDR41	5	76769840	4	3.570234
rs33204	WDR41	5	76769840	2	5.62613
rs6453373	AP3B1	5	77460784	4	0.178287
rs4530741	LOC728769	5	77691868	1	1.186806
rs4072852	LOC728769	5	77692056	1	0.459213
rs4072852	LOC728769	5	77692056	2	0.398546
rs6874309	SCAMP1	5	77810254	7	0.468374
rs6874309	SCAMP1	5	77810254	4	0.480059
rs6874309	SCAMP1	5	77810254	5	0.103466
rs6874309	SCAMP1	5	77810254	8	0.444126
rs7704939	ARSB	5	78109954	3	0.187043
rs7704939	ARSB	5	78109954	1	0.765777
rs7704939	ARSB	5	78109954	2	0.311291
rs754566	ARSB	5	78110674	1	5.072658
rs754566	ARSB	5	78110674	4	0.218895

rs2173012	ARSB	5	78111916	4	0.543268
rs25413	ARSB	5	78170957	1	3.602252
rs25413	ARSB	5	78170957	7	0.664319
rs25413	ARSB	5	78170957	8	0.628895
rs25414	ARSB	5	78170997	2	2.484892
rs17220759	ARSB	5	78217179	4	0.860628
rs163126	ARSB	5	78318005	4	0.307799
rs163126	ARSB	5	78318005	1	1.089521
rs163126	ARSB	5	78318005	7	0.053421
rs163126	ARSB	5	78318005	2	0.492824
rs163126	ARSB	5	78318005	5	0.094083
rs1805072	DMGDH	5	78364316	7	0.601671
rs1805072	DMGDH	5	78364316	1	1.411672
rs248385	DMGDH	5	78376013	6	0.173514
rs248385	DMGDH	5	78376013	3	0.333174
rs248385	DMGDH	5	78376013	2	2.375993
rs682985	BHMT2	5	78409187	3	0.07028
rs4703772	BHMT	5	78457791	3	0.458118
rs585800	BHMT	5	78462964	8	3.597753
rs13182512	JMY	5	78609546	2	3.865509
rs13182512	JMY	5	78609546	1	0.108687
rs13182512	JMY	5	78609546	6	0.324527
SNP5-79060535	CMYA5	5	79060535	4	6.39371
SNP5-79060535	CMYA5	5	79060535	5	0.956577
SNP5-79060535	CMYA5	5	79060535	1	3.747558
SNP5-79060535	CMYA5	5	79060535	6	3.843768
SNP5-79062116	CMYA5	5	79062116	4	9.125083
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SNP5-79062116	CMYA5	5	79062116	6	1.252785
rs16877141	CMYA5	5	79065482	5	0.165078
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rs16877141	CMYA5	5	79065482	6	10.69113
rs6859595	CMYA5	5	79067128	5	0.142957
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rs6859595	CMYA5	5	79067128	4	0.008748
rs6859595	CMYA5	5	79067128	6	7.174294
SNP5-79067314	CMYA5	5	79067314	3	0.064232
rs10060444	MTX3	5	79310351	7	2.32488
rs10060444	MTX3	5	79310351	8	2.645425
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rs6870377	MTX3	5	79311905	8	5.138241
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rs6870377	MTX3	5	79311905	6	0.666786
rs6870377	MTX3	5	79311905	7	1.128463
rs10064975	MTX3	5	79312971	6	0.25441
rs10064975	MTX3	5	79312971	7	0.895938

rs17196706	MTX3	5	79313091	5	0.162134
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rs1052345	SPZ1	5	79653384	3	0.490396
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rs369998	FAM151B	5	79851414	2	7.277704
rs32857	ANKRD34B	5	79891128	1	4.21991
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rs184967	MSH3	5	80185737	5	6.060207
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SNP5-80445282	RASGRF2	5	80445282	5	0.161226
rs10942942	RASGRF2	5	80445485	5	0.719195
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rs2897389	RASGRF2	5	80557673	6	1.384788
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rs16878594	ZCCHC9	5	80636375	4	0.228571
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rs160279	VCAN	5	82871301	4	0.258649
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rs950692	GPR98	5	89979189	5	0.48886
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rs2366777	GPR98	5	89979327	7	1.552762
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rs17544552	GPR98	5	90015274	6	0.839629
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rs4916684	GPR98	5	90015345	3	0.345424
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rs16876822	GPR98	5	90025535	3	1.213005
rs1878878	GPR98	5	90026080	1	0.265079
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rs17624033	GPR98	5	90077266	3	0.089299
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rs7726891	FAM81B	5	94775479	4	1.046113
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rs7734301	LOC727938	5	95195755	2	2.038986
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rs17085193	C5orf27	5	95220349	2	0.487064
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rs3811942	PCSK1	5	95754196	7	0.139375
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rs6233	PCSK1	5	95758868	4	0.209607
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rs1056893	ERAP2	5	96271195	4	2.344114
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rs11746232	LNPEP	5	96389215	7	0.526075
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rs13541	RGMB	5	98159405	4	7.296256
rs13541	RGMB	5	98159405	3	0.078854
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rs7719298	SLCO4C1	5	101599589	5	1.147108
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rs11466749	TSLP	5	110440484	4	1.048063
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rs11466750	TSLP	5	110440793	4	2.132936
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rs17372511	DCP2	5	112382797	6	0.792175
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rs17372511	DCP2	5	112382797	2	5.495549
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rs7670	DCP2	5	112384548	6	1.430428
rs17135317	MCC	5	112434761	2	4.951457
rs17135317	MCC	5	112434761	4	4.339831
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rs1508886	FLJ90650	5	115390047	3	1.26847
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rs25640	HSD17B4	5	118839432	5	0.190217
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rs2434600	LOC340069	5	118998669	1	0.52962
rs2434600	LOC340069	5	118998669	7	0.931721
SNP5-120049716	PRR16	5	120049716	3	0.219043
SNP5-120049716	PRR16	5	120049716	2	1.683803
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rs10069230	PRR16	5	120050658	6	1.203831
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SNP5-121515868	ZNF474	5	121515868	5	0.750491
SNP5-121516405	ZNF474	5	121516405	7	0.107934
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SNP5-121516405	ZNF474	5	121516405	8	0.088536
SNP5-121516405	ZNF474	5	121516405	6	0.21716
rs10070158	SNCAIP	5	121767440	6	1.970263
rs10036124	PRDM6	5	122551474	6	0.555963
rs1047437	CCDC100	5	122713626	2	4.556426
rs1047437	CCDC100	5	122713626	7	0.146238
rs1047437	CCDC100	5	122713626	1	0.210382
rs7703447	ZNF608	5	124004866	8	2.805503
rs7703447	ZNF608	5	124004866	6	0.331442

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rs7703447	ZNF608	5	124004866	4	0.922722
rs3812052	MEGF10	5	126820873	7	0.827522
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rs3812052	MEGF10	5	126820873	1	0.215068
rs3812052	MEGF10	5	126820873	2	3.69667
rs3756722	MEGF10	5	126823145	2	2.078864
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rs3756722	MEGF10	5	126823145	1	0.629977
rs2898043	MEGF10	5	126824484	1	0.529052
rs182844	LOC389322	5	126875628	5	1.700306
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rs182844	LOC389322	5	126875628	7	2.564314
rs1050687	FBN2	5	127621631	5	1.193688
rs7288	FBN2	5	127621769	5	0.042493
rs2577539	SLC27A6	5	128329110	2	1.12314
rs2577539	SLC27A6	5	128329110	1	0.759561
rs2577539	SLC27A6	5	128329110	7	1.362611
rs2577539	SLC27A6	5	128329110	5	0.547501
rs2577539	SLC27A6	5	128329110	8	3.388795
rs2577540	SLC27A6	5	128329641	7	0.435577
rs2577540	SLC27A6	5	128329641	2	5.053496
rs2577540	SLC27A6	5	128329641	3	0.382596
rs1047999	SLC27A6	5	128397054	8	1.881888
rs1047999	SLC27A6	5	128397054	3	0.751541
rs1047999	SLC27A6	5	128397054	5	0.009169
rs1127827	ISOC1	5	128458656	1	1.153727
rs1127827	ISOC1	5	128458656	5	0.467555
rs1127827	ISOC1	5	128458656	3	1.257283
rs11749126	ADAMTS19	5	129067955	7	0.241925
rs2015018	CHSY-2	5	129549025	2	0.637823
rs2015018	CHSY-2	5	129549025	1	1.836956
rs2015018	CHSY-2	5	129549025	7	1.492927
rs17692694	LOC402229	5	130358366	1	3.998162
rs4706009	LYRM7	5	130563943	3	0.556891
rs4706009	LYRM7	5	130563943	5	0.345432
rs3488	CDC42SE2	5	130757514	3	0.717709
rs3775998	FNIP1	5	131007231	2	0.467577
rs3775998	FNIP1	5	131007231	1	0.178492
rs26008	FNIP1	5	131036093	2	0.343707
rs25882	CSF2	5	131439359	3	0.396488
rs1007602	PDLIM4	5	131630065	5	0.413746
rs1007602	PDLIM4	5	131630065	6	1.391773

rs9895	PDLIM4	5	131635841	8	7.067692
rs9895	PDLIM4	5	131635841	6	0.63722
rs272867	FLJ44796	5	131708956	8	0.739061
rs272867	FLJ44796	5	131708956	2	3.762169
rs274558	SLC22A5	5	131749073	2	3.436756
rs2522050	LOC441108	5	131824508	7	0.667709
rs2706395	LOC441108	5	131824702	7	0.027492
rs960757	IRF1	5	131854209	5	3.956641
rs960757	IRF1	5	131854209	8	0.71274
rs11242115	IRF1	5	131854312	7	4.917767
rs11242115	IRF1	5	131854312	8	0.43288
rs11242115	IRF1	5	131854312	2	3.209651
rs11242115	IRF1	5	131854312	5	4.954636
rs20541	IL13	5	132023863	1	1.866334
rs1295685	IL13	5	132024344	1	0.235569
rs848	IL13	5	132024399	1	1.158532
rs11242126	KIF3A	5	132058313	5	0.253967
rs11242126	KIF3A	5	132058313	2	0.247569
rs11242126	KIF3A	5	132058313	1	0.606002
rs757537	ANKRD43	5	132178970	4	1.690764
rs708459	LEAP2	5	132236067	2	3.622979
rs708459	LEAP2	5	132236067	7	0.341632
rs3749820	FSTL4	5	132560962	8	8.791005
rs3749820	FSTL4	5	132560962	7	1.829062
rs3749819	FSTL4	5	132561034	8	6.935664
rs13183672	FSTL4	5	132561416	8	2.395023
rs13183672	FSTL4	5	132561416	7	1.954883
rs3798104	FSTL4	5	132561920	8	0.968554
rs3749817	FSTL4	5	132562945	7	0.59733
rs17683306	FSTL4	5	132680180	4	0.832712
rs17683306	FSTL4	5	132680180	5	0.038888
rs17167484	UBE2B	5	133734893	3	0.795334
rs11558540	SAR1B	5	133984567	1	5.458805
rs11558540	SAR1B	5	133984567	6	7.700633
rs1700488	LOC389328	5	134402776	5	1.824273
rs1394600	LOC389328	5	134403217	5	1.945417
rs1394600	LOC389328	5	134403217	1	3.630306
rs3733728	H2AFY	5	134698640	4	0.045857
rs12520809	C5orf20	5	134810409	7	0.075837
rs10515477	LOC729304	5	135089231	5	1.041439
rs2069885	IL9	5	135256064	5	2.48601
rs40986	FBXL21	5	135304213	8	4.945702
rs40986	FBXL21	5	135304213	7	2.879242
rs40986	FBXL21	5	135304213	3	2.607651
rs2066913	FBXL21	5	135304713	5	0.490928
rs2516561	LECT2	5	135310614	5	3.02617
rs1442	TGFBI	5	135410888	7	0.59914

rs1442	TGFBI	5	135410888	4	0.217006
rs1442	TGFBI	5	135410888	3	0.55064
rs1442	TGFBI	5	135410888	6	0.279755
rs1442	TGFBI	5	135410888	2	3.222816
rs1133170	TGFBI	5	135419273	7	0.465942
rs1133170	TGFBI	5	135419273	3	0.262924
rs1133170	TGFBI	5	135419273	2	6.800588
rs10043215	SPOCK1	5	136339938	5	0.847665
rs10043215	SPOCK1	5	136339938	7	1.74575
rs10043215	SPOCK1	5	136339938	2	4.813421
rs1051853	SPOCK1	5	136341700	8	3.245096
rs1051853	SPOCK1	5	136341700	7	1.132532
rs1051853	SPOCK1	5	136341700	3	0.42439
rs3813314	KLHL3	5	136982618	5	0.319264
rs3813314	KLHL3	5	136982618	4	3.050275
rs3813314	KLHL3	5	136982618	1	0.106319
rs3813314	KLHL3	5	136982618	3	0.90509
rs3813314	KLHL3	5	136982618	7	0.650772
rs3813314	KLHL3	5	136982618	2	0.343855
rs3813315	KLHL3	5	136982760	6	1.722481
rs3813315	KLHL3	5	136982760	3	2.251845
rs3813315	KLHL3	5	136982760	4	2.422638
rs3813315	KLHL3	5	136982760	8	6.155691
rs3813315	KLHL3	5	136982760	5	0.159409
rs3813315	KLHL3	5	136982760	7	1.549751
rs2057680	KLHL3	5	136984376	5	0.736008
rs2057680	KLHL3	5	136984376	3	0.105973
rs2057680	KLHL3	5	136984376	2	1.764248
rs2057680	KLHL3	5	136984376	7	0.813346
rs2057680	KLHL3	5	136984376	6	0.709189
rs2057680	KLHL3	5	136984376	4	0.066965
rs7444370	KLHL3	5	136984582	6	0.625186
rs17171525	KLHL3	5	136989465	1	1.944422
rs423258	BRD8	5	137503686	1	1.508036
rs423258	BRD8	5	137503686	3	1.556105
rs10952	GFRA3	5	137616239	5	7.045402
rs10952	GFRA3	5	137616239	4	0.403995
rs10952	GFRA3	5	137616239	1	4.594145
rs10952	GFRA3	5	137616239	3	7.535718
rs10952	GFRA3	5	137616239	8	3.850617
rs3734166	CDC25C	5	137693222	7	2.893744
rs6861656	CDC25C	5	137695411	1	1.036309
rs6861656	CDC25C	5	137695411	5	0.97377
rs10073922	JMJD1B	5	137745112	5	0.484012
rs10073922	JMJD1B	5	137745112	3	1.127822
rs10073922	JMJD1B	5	137745112	1	0.804869
rs10073922	JMJD1B	5	137745112	2	1.142448

rs10073922	JMJD1B	5	137745112	4	0.589924
rs4835796	REEP2	5	137810014	2	3.56779
rs4835796	REEP2	5	137810014	7	0.170687
rs4835796	REEP2	5	137810014	3	0.054163
rs3798153	REEP2	5	137810103	3	0.127811
rs3798153	REEP2	5	137810103	2	5.206563
rs3798153	REEP2	5	137810103	7	0.20703
rs1046576	REEP2	5	137810234	3	0.566967
rs288039	LRRTM2	5	138234099	8	2.47488
rs288039	LRRTM2	5	138234099	3	0.569464
rs288036	LRRTM2	5	138238794	3	0.425897
rs288036	LRRTM2	5	138238794	8	5.617987
rs1059110	CTNNA1	5	138294445	8	0.648178
rs1059110	CTNNA1	5	138294445	3	0.5964
rs17031	CTNNA1	5	138298441	3	0.28683
rs33972313	SLC23A1	5	138743401	1	1.473031
rs10063870	LOC389333	5	138756432	5	1.185088
rs10063870	LOC389333	5	138756432	4	0.893554
rs10063870	LOC389333	5	138756432	8	1.156674
rs10063870	LOC389333	5	138756432	6	0.187357
rs10063870	LOC389333	5	138756432	1	0.932137
rs10900862	LOC202051	5	138760478	2	3.266059
rs10900862	LOC202051	5	138760478	6	4.250639
rs10900862	LOC202051	5	138760478	4	5.767057
rs10900862	LOC202051	5	138760478	8	0.380361
rs10900862	LOC202051	5	138760478	5	0.537116
rs10900862	LOC202051	5	138760478	1	1.335918
rs11554776	TMEM173	5	138841262	5	0.28145
rs11554776	TMEM173	5	138841262	6	0.931147
rs187167	LOC727793	5	139009184	8	0.297692
rs187167	LOC727793	5	139009184	5	0.095976
rs356445	CXXC5	5	139040670	5	7.519178
rs17286536	PSD2	5	139203269	7	0.395096
rs11538394	C5orf32	5	139554234	6	0.400261
rs11538394	C5orf32	5	139554234	3	0.86321
rs11538394	C5orf32	5	139554234	8	3.048146
rs11538394	C5orf32	5	139554234	2	2.89748
rs4150237	HBEGF	5	139693945	2	2.888778
rs1042184	HBEGF	5	139706145	3	3.697985
rs6860077	SLC4A9	5	139725338	5	0.431328
rs6860077	SLC4A9	5	139725338	7	0.408616
rs6860077	SLC4A9	5	139725338	6	0.11241
rs6860077	SLC4A9	5	139725338	2	2.236162
rs2249213	SRA1	5	139917330	7	0.731178
rs2249213	SRA1	5	139917330	4	3.708218
rs2249213	SRA1	5	139917330	6	4.328106
rs2249213	SRA1	5	139917330	1	6.07527

rs2249213	SRA1	5	139917330	5	0.011252
rs2569190	CD14	5	139993100	1	4.336496
rs2569190	CD14	5	139993100	7	4.080829
rs2569190	CD14	5	139993100	5	0.115004
rs2569190	CD14	5	139993100	4	1.739413
rs17208187	TMCO6	5	140003422	2	1.401959
rs17208187	TMCO6	5	140003422	1	0.048099
rs17208187	TMCO6	5	140003422	4	0.240926
rs2286394	WDR55	5	140028728	1	0.023598
rs2286394	WDR55	5	140028728	4	1.492399
SNP5-140028891	WDR55	5	140028891	6	6.770099
GA022788	HARS	5	140037719	3	0.156973
rs3733708	PCDHA3	5	140161918	5	0.093684
rs3733708	PCDHA3	5	140161918	1	0.833505
rs3733708	PCDHA3	5	140161918	7	0.719515
rs3733708	PCDHA3	5	140161918	4	0.400607
rs3733707	PCDHA3	5	140162076	5	0.201699
rs3733707	PCDHA3	5	140162076	4	0.077963
rs3733707	PCDHA3	5	140162076	1	1.592411
rs3733707	PCDHA3	5	140162076	7	0.863631
rs1030163	PCDHA2	5	140165316	5	0.268613
rs1030163	PCDHA2	5	140165316	4	0.005658
rs1030163	PCDHA2	5	140165316	1	1.189263
rs3822346	PCDHA4	5	140167506	1	0.181557
rs3822346	PCDHA4	5	140167506	2	1.05224
rs3822346	PCDHA4	5	140167506	7	1.757613
rs3822346	PCDHA4	5	140167506	5	1.184829
rs3822346	PCDHA4	5	140167506	4	0.964065
rs192231	PCDHA11	5	140228723	4	4.37352
rs192231	PCDHA11	5	140228723	7	0.739599
rs192231	PCDHA11	5	140228723	2	4.16254
rs192231	PCDHA11	5	140228723	8	6.889561
rs192231	PCDHA11	5	140228723	5	0.721963
rs251377	PCDHA12	5	140235976	4	1.071657
rs251377	PCDHA12	5	140235976	2	1.660245
rs251377	PCDHA12	5	140235976	7	1.393448
rs251377	PCDHA12	5	140235976	8	3.179786
rs11744560	PCDHA13	5	140242676	5	0.401054
rs11744560	PCDHA13	5	140242676	2	3.390984
rs155820	PCDHAC1	5	140287930	7	1.330169
rs155360	PCDHAC1	5	140289200	5	1.612973
rs155360	PCDHAC1	5	140289200	4	0.029403
rs155808	PCDHAC2	5	140326896	7	0.541846
rs155807	PCDHAC2	5	140327237	7	0.76892
rs12153295	PCDHAC2	5	140327582	5	0.133757
rs12153295	PCDHAC2	5	140327582	4	0.445438
rs12153295	PCDHAC2	5	140327582	8	9.339281

rs31853	PCDHB2	5	140454940	8	3.201885
rs3733699	PCDHB3	5	140461659	2	4.542874
rs3733699	PCDHB3	5	140461659	4	5.671945
rs3733699	PCDHB3	5	140461659	8	5.561096
rs6887594	PCDHB3	5	140463561	3	1.540963
rs6887594	PCDHB3	5	140463561	7	0.614202
rs3776100	PCDHB4	5	140482361	3	0.73381
rs3733697	PCDHB4	5	140482528	4	1.192718
rs3776099	PCDHB4	5	140483025	8	3.41634
rs3776099	PCDHB4	5	140483025	6	0.021881
rs3776096	PCDHB6	5	140510713	3	1.798274
rs3776096	PCDHB6	5	140510713	7	0.540932
rs17629216	PCDHB6	5	140512593	3	0.080284
rs17286891	PCDHB7	5	140532958	4	0.657959
rs17286891	PCDHB7	5	140532958	2	4.993584
rs17286891	PCDHB7	5	140532958	5	1.124582
rs17286891	PCDHB7	5	140532958	8	0.64402
rs2910313	PCDHB7	5	140533765	4	0.648239
rs2910313	PCDHB7	5	140533765	3	0.013579
rs2910313	PCDHB7	5	140533765	2	1.271171
rs3733695	PCDHB7	5	140533848	4	2.784491
rs3733695	PCDHB7	5	140533848	5	1.647354
rs6892507	PCDHB7	5	140534992	5	0.373844
rs6892507	PCDHB7	5	140534992	8	5.844934
rs6892507	PCDHB7	5	140534992	4	2.3139
rs6892507	PCDHB7	5	140534992	3	0.799869
rs6892507	PCDHB7	5	140534992	7	0.739688
rs6892507	PCDHB7	5	140534992	6	2.202916
rs2950845	PCDHB8	5	140538396	8	6.586397
rs2950845	PCDHB8	5	140538396	7	2.545084
rs2950845	PCDHB8	5	140538396	6	1.576692
rs17096961	PCDHB8	5	140540033	8	0.08908
rs17096961	PCDHB8	5	140540033	5	0.69398
rs2740584	PCDHB16	5	140541952	3	0.960731
rs2740584	PCDHB16	5	140541952	6	0.175536
rs2204704	PCDHB16	5	140542167	4	0.019964
rs2204704	PCDHB16	5	140542167	3	0.912822
rs4151695	PCDHB16	5	140542257	2	2.707733
rs4151695	PCDHB16	5	140542257	4	1.963839
rs4151695	PCDHB16	5	140542257	8	0.788743
rs10069559	PCDHB16	5	140544845	4	0.057317
rs12654953	PCDHB9	5	140551157	5	0.026403
rs12654953	PCDHB9	5	140551157	7	0.650643
rs12657056	PCDHB9	5	140551158	7	4.111154
rs3756323	PCDHB11	5	140559542	5	1.179866
rs3756323	PCDHB11	5	140559542	8	1.720998
rs3756323	PCDHB11	5	140559542	4	1.606989



rs917535	PCDHB11	5	140559551	6	0.141029
rs638054	PCDHB11	5	140561694	3	0.580052
rs638054	PCDHB11	5	140561694	7	4.576405
rs2910006	PCDHB12	5	140570950	4	0.908006
rs2910006	PCDHB12	5	140570950	2	0.795439
rs2910006	PCDHB12	5	140570950	7	1.681987
rs2910333	PCDHB13	5	140576888	4	3.332072
rs2910333	PCDHB13	5	140576888	7	1.606737
rs2907309	PCDHB18	5	140594222	7	1.967344
rs2907309	PCDHB18	5	140594222	8	1.375964
rs2907309	PCDHB18	5	140594222	5	3.328719
rs2907307	PCDHB18	5	140595453	5	0.420718
rs2907307	PCDHB18	5	140595453	7	1.256071
rs3749780	SLC25A2	5	140662941	2	2.633518
rs3749780	SLC25A2	5	140662941	5	0.200966
rs11952797	SLC25A2	5	140663449	1	4.570318
rs11952797	SLC25A2	5	140663449	5	0.231817
rs11952797	SLC25A2	5	140663449	7	1.496959
rs17097187	PCDHGA1	5	140692037	3	2.302563
rs17097187	PCDHGA1	5	140692037	6	1.99111
rs11575947	PCDHGA3	5	140704019	3	0.938852
rs17097231	PCDHGB2	5	140719963	2	4.661026
rs2240697	PCDHGB3	5	140731312	1	5.704838
rs2240697	PCDHGB3	5	140731312	5	0.200887
rs2240697	PCDHGB3	5	140731312	7	0.391936
rs2024141	PCDHGA7	5	140745184	2	2.174466
rs4151699	PCDHGA8	5	140752378	7	4.369447
rs4151699	PCDHGA8	5	140752378	5	0.664751
rs4151699	PCDHGA8	5	140752378	4	0.317493
rs4912606	PCDHGA9	5	140765079	1	4.933019
rs3749768	PCDHGB6	5	140770003	2	3.038842
rs17208397	PCDHGB7	5	140778823	1	6.248883
rs17208397	PCDHGB7	5	140778823	5	0.488521
rs7732160	PCDHGA11	5	140780892	2	5.387524
rs3805695	PCDHGC3	5	140838429	2	4.572576
rs2074912	PCDHGC5	5	140850700	1	2.152168
rs2074912	PCDHGC5	5	140850700	5	0.149163
rs2074912	PCDHGC5	5	140850700	7	0.7616
rs918558	PCDHGC5	5	140851133	5	0.499538
rs918558	PCDHGC5	5	140851133	1	4.066014
rs32955	FCHSD1	5	140999497	2	7.981149
rs32955	FCHSD1	5	140999497	6	2.009791
rs32956	FCHSD1	5	141000065	6	4.512668
rs41098	FCHSD1	5	141000284	6	1.499401
SNP5-141004181	FCHSD1	5	141004181	4	0.23348
rs17287002	FCHSD1	5	141010824	1	4.12157
rs3822357	PCDH1	5	141224540	7	7.749855

rs153148	PCDH12	5	141304807	7	1.207862
rs153148	PCDH12	5	141304807	6	1.505951
rs153148	PCDH12	5	141304807	1	0.781909
rs153148	PCDH12	5	141304807	5	0.863202
rs153148	PCDH12	5	141304807	3	0.811633
rs153148	PCDH12	5	141304807	8	0.464345
rs153148	PCDH12	5	141304807	4	1.43522
rs164073	PCDH12	5	141315425	2	0.295557
rs164073	PCDH12	5	141315425	8	0.680821
rs164073	PCDH12	5	141315425	5	0.299522
rs164073	PCDH12	5	141315425	7	0.198048
rs164073	PCDH12	5	141315425	4	0.227153
rs164073	PCDH12	5	141315425	1	0.23868
rs164073	PCDH12	5	141315425	6	0.013266
rs164074	PCDH12	5	141315468	5	0.246564
rs164074	PCDH12	5	141315468	2	2.967345
rs164075	PCDH12	5	141316448	7	0.90157
rs164075	PCDH12	5	141316448	3	1.313781
rs164075	PCDH12	5	141316448	2	1.292331
rs164075	PCDH12	5	141316448	8	2.560707
rs164075	PCDH12	5	141316448	4	1.295231
rs164075	PCDH12	5	141316448	1	0.242621
rs164075	PCDH12	5	141316448	5	4.214201
rs164076	PCDH12	5	141317310	6	0.731838
rs164076	PCDH12	5	141317310	4	0.452781
rs164076	PCDH12	5	141317310	3	0.080841
rs164076	PCDH12	5	141317310	5	0.411347
rs164077	PCDH12	5	141317409	2	0.774253
rs164077	PCDH12	5	141317409	1	1.10642
rs187543	RNF14	5	141328818	1	0.260931
rs252133	RNF14	5	141328892	1	2.199314
rs252133	RNF14	5	141328892	7	0.761912
rs364287	RNF14	5	141347991	1	5.795442
rs364287	RNF14	5	141347991	7	0.239464
rs364287	RNF14	5	141347991	6	7.080971
rs33999	FGF1	5	141953533	3	0.251493
rs33999	FGF1	5	141953533	2	1.992974
rs34000	FGF1	5	141953685	2	1.324661
rs34000	FGF1	5	141953685	6	0.098818
rs34000	FGF1	5	141953685	3	0.708802
rs2278688	FGF1	5	141954266	8	0.605973
rs17099029	FGF1	5	141954717	8	3.512228
rs34002	FGF1	5	141954756	2	5.35501
rs34002	FGF1	5	141954756	3	1.600209
rs34002	FGF1	5	141954756	6	3.217995
rs187034	KCTD16	5	143834797	1	3.614239
rs187034	KCTD16	5	143834797	3	0.016156

rs349704	KCTD16	5	143835224	1	3.895603
rs349704	KCTD16	5	143835224	3	0.171304
rs349703	KCTD16	5	143835275	1	3.155815
rs349703	KCTD16	5	143835275	3	0.334751
rs358651	KCTD16	5	143835799	1	2.603361
rs349701	KCTD16	5	143835846	3	0.045862
rs349701	KCTD16	5	143835846	1	0.776113
rs349700	KCTD16	5	143836108	8	0.206258
rs349700	KCTD16	5	143836108	1	3.53634
rs349700	KCTD16	5	143836108	3	0.067617
rs349698	KCTD16	5	143836721	1	3.158065
rs349698	KCTD16	5	143836721	8	0.659096
rs349698	KCTD16	5	143836721	3	1.149156
rs2569006	LOC643226	5	145226278	5	0.399052
rs2569006	LOC643226	5	145226278	3	0.389023
rs2569006	LOC643226	5	145226278	1	0.515617
rs6877277	PLAC8L1	5	145458048	6	0.792285
rs6877277	PLAC8L1	5	145458048	4	1.842486
rs6877277	PLAC8L1	5	145458048	1	4.12885
rs6877277	PLAC8L1	5	145458048	7	1.719999
rs12187913	PLAC8L1	5	145464037	6	0.266393
rs12187913	PLAC8L1	5	145464037	1	4.825839
rs12187913	PLAC8L1	5	145464037	4	0.41037
rs11954297	RBM27	5	145648491	4	7.002314
rs11954297	RBM27	5	145648491	7	0.265908
rs11954297	RBM27	5	145648491	1	4.101001
rs11954297	RBM27	5	145648491	6	6.144507
rs4705103	TCERG1	5	145870221	1	2.554643
rs4705103	TCERG1	5	145870221	3	0.0131
rs7709485	GPR151	5	145875089	4	0.708377
rs7709485	GPR151	5	145875089	3	0.460774
rs7709485	GPR151	5	145875089	2	4.086778
rs4705132	STK32A	5	146599399	1	3.621735
rs4705132	STK32A	5	146599399	7	0.545315
rs4705132	STK32A	5	146599399	6	0.098111
rs4705132	STK32A	5	146599399	3	2.917453
rs2116766	JAKMIP2	5	147004669	7	1.856314
rs2116765	JAKMIP2	5	147004702	3	0.801598
rs11319	SPINK1	5	147184385	5	0.19162
rs11956228	MGC23985	5	147261501	7	0.617673
rs7722926	MGC23985	5	147266206	7	1.763754
rs6892205	SPINK5	5	147455579	5	1.689853
rs6892205	SPINK5	5	147455579	3	1.852299
rs34482796	SPINK5	5	147457744	5	0.650219
rs34482796	SPINK5	5	147457744	6	0.030744
rs34482796	SPINK5	5	147457744	3	1.046623
rs2303063	SPINK5	5	147460220	3	0.338631

rs2303063	SPINK5	5	147460220	6	0.612261
rs2303063	SPINK5	5	147460220	5	0.185258
rs33920397	SPINK5	5	147479863	4	1.373084
rs33920397	SPINK5	5	147479863	5	1.431464
rs1042711	ADRB2	5	148186541	3	0.527321
rs1042711	ADRB2	5	148186541	1	4.395228
rs1042711	ADRB2	5	148186541	8	0.873138
rs1042717	ADRB2	5	148186839	7	0.666804
rs2217638	SH3TC2	5	148344548	8	0.29645
rs4560536	SH3TC2	5	148344894	8	0.260692
rs4560536	SH3TC2	5	148344894	4	0.871535
rs4560536	SH3TC2	5	148344894	6	0.616884
rs10040798	SH3TC2	5	148347517	8	3.957342
rs4705303	SH3TC2	5	148347836	8	0.59555
rs4705303	SH3TC2	5	148347836	4	1.110963
rs4562031	SH3TC2	5	148348644	8	0.876576
rs891919	SH3TC2	5	148349701	2	3.839196
rs891919	SH3TC2	5	148349701	4	0.719365
rs891919	SH3TC2	5	148349701	8	5.164049
rs891919	SH3TC2	5	148349701	6	0.150286
rs17109198	SH3TC2	5	148349905	8	0.560929
rs2069087	SH3TC2	5	148353347	6	7.147709
rs1347130	SH3TC2	5	148357175	8	3.605756
rs1347130	SH3TC2	5	148357175	6	6.367854
rs1347130	SH3TC2	5	148357175	4	0.752638
rs17109208	SH3TC2	5	148358668	8	6.989445
rs6885467	SH3TC2	5	148359748	4	0.620648
rs6885467	SH3TC2	5	148359748	2	0.273107
rs998304	SH3TC2	5	148362558	8	0.966073
rs6875902	SH3TC2	5	148388086	8	1.728118
rs17722293	SH3TC2	5	148402467	6	4.030449
rs4705336	PCYOX1L	5	148728095	5	7.440279
rs4705336	PCYOX1L	5	148728095	8	0.187691
rs4705336	PCYOX1L	5	148728095	1	0.59621
rs4705336	PCYOX1L	5	148728095	2	0.480197
rs2400891	FLJ41603	5	148969315	5	0.373661
rs2400891	FLJ41603	5	148969315	2	1.494471
rs2400891	FLJ41603	5	148969315	8	1.014045
rs2400891	FLJ41603	5	148969315	1	1.258941
rs2400891	FLJ41603	5	148969315	6	1.114457
rs2400891	FLJ41603	5	148969315	3	1.394207
SNP5-148983820	FLJ41603	5	148983820	7	0.188722
rs9324624	FLJ41603	5	148986833	2	9.504594
rs9324624	FLJ41603	5	148986833	4	0.75502
rs9324624	FLJ41603	5	148986833	6	0.240552
rs9324624	FLJ41603	5	148986833	5	0.887572
rs9324624	FLJ41603	5	148986833	7	1.079466

rs9324624	FLJ41603	5	148986833	3	0.406419
rs9324624	FLJ41603	5	148986833	1	0.66976
rs2279134	FLJ41603	5	148992244	1	0.404856
rs2279134	FLJ41603	5	148992244	6	2.861435
rs2279134	FLJ41603	5	148992244	8	0.65912
rs2279134	FLJ41603	5	148992244	2	0.497683
rs2279134	FLJ41603	5	148992244	5	3.743855
rs2279134	FLJ41603	5	148992244	4	0.381604
rs2279134	FLJ41603	5	148992244	3	0.035105
rs32588	PPARGC1B	5	149180236	2	3.716182
rs32588	PPARGC1B	5	149180236	6	0.574418
rs32588	PPARGC1B	5	149180236	7	0.564457
rs32588	PPARGC1B	5	149180236	1	0.006368
rs17572019	PPARGC1B	5	149192664	5	0.053171
rs17572019	PPARGC1B	5	149192664	8	3.978895
rs11959820	PPARGC1B	5	149192703	7	0.702437
rs32577	PPARGC1B	5	149192993	7	0.325696
rs32577	PPARGC1B	5	149192993	2	0.812413
rs32577	PPARGC1B	5	149192993	1	0.207872
rs2277925	PDE6A	5	149304099	5	2.420038
rs10875553	TIGD6	5	149355125	3	0.445061
rs10875553	TIGD6	5	149355125	8	7.133686
rs10875553	TIGD6	5	149355125	1	3.053366
rs3828609	CSF1R	5	149413056	6	1.133288
rs13117	CSF1R	5	149413313	7	0.730608
rs13117	CSF1R	5	149413313	2	2.556773
rs13117	CSF1R	5	149413313	6	0.131481
SNP5-149430020	CSF1R	5	149430020	8	2.072401
rs10079250	CSF1R	5	149430325	7	0.628579
rs2228422	CSF1R	5	149437871	7	0.094014
rs2228422	CSF1R	5	149437871	8	0.113333
rs2228422	CSF1R	5	149437871	3	0.509581
rs216123	CSF1R	5	149440746	8	1.50277
rs216123	CSF1R	5	149440746	7	1.176953
rs216123	CSF1R	5	149440746	2	0.405728
rs216123	CSF1R	5	149440746	3	0.20934
rs216123	CSF1R	5	149440746	4	0.792943
rs2240793	SLC6A7	5	149563493	6	1.305101
rs2240793	SLC6A7	5	149563493	2	1.770645
rs2240794	SLC6A7	5	149563529	2	6.570107
rs2240794	SLC6A7	5	149563529	8	0.103845
rs2240794	SLC6A7	5	149563529	6	0.783373
rs2240795	SLC6A7	5	149569840	7	0.769289
rs13153325	SLC6A7	5	149570326	1	0.604131
rs13153325	SLC6A7	5	149570326	7	0.243723
rs7713638	TCOF1	5	149739289	4	0.936629
rs7713638	TCOF1	5	149739289	7	0.874975

rs2273232	NDST1	5	149892720	3	0.750941
rs6863809	NDST1	5	149914306	6	1.579569
rs11954652	DCTN4	5	150078076	3	0.707695
rs11548	GPX3	5	150387976	3	1.519254
rs2233290	TNIP1	5	150416696	3	0.150179
rs1133202	ANXA6	5	150469583	1	0.45891
rs2228458	ANXA6	5	150499181	5	2.821007
rs2228458	ANXA6	5	150499181	3	0.607601
rs2228458	ANXA6	5	150499181	1	1.38245
rs248427	CCDC69	5	150545201	6	5.016304
rs248427	CCDC69	5	150545201	4	3.35849
SNP5-150627081	GM2A	5	150627081	5	3.486495
SNP5-150627081	GM2A	5	150627081	2	3.16761
SNP5-150627081	GM2A	5	150627081	1	3.450934
SNP5-150627081	GM2A	5	150627081	6	3.924047
SNP5-150627081	GM2A	5	150627081	3	2.866333
SNP5-150627081	GM2A	5	150627081	4	10.7952
rs11167542	LOC402233	5	150740475	2	1.799529
rs11167542	LOC402233	5	150740475	5	1.889845
rs11167542	LOC402233	5	150740475	6	0.97073
rs165323	SLC36A1	5	150852105	4	0.31808
rs165342	FAT2	5	150864986	8	4.289435
rs165342	FAT2	5	150864986	4	0.47182
rs165341	FAT2	5	150865032	4	0.170623
rs165341	FAT2	5	150865032	8	5.689437
rs165341	FAT2	5	150865032	2	2.963445
rs2304029	FAT2	5	150871965	3	0.221278
rs3734047	FAT2	5	150881790	7	0.337136
rs3734047	FAT2	5	150881790	5	0.3887
rs3734049	FAT2	5	150881823	7	0.265872
rs3734049	FAT2	5	150881823	5	0.010968
rs2304024	FAT2	5	150889006	5	5.196482
rs1432643	FAT2	5	150894377	8	4.228434
rs1432643	FAT2	5	150894377	3	0.077741
rs1432643	FAT2	5	150894377	2	5.117976
rs998076	FAT2	5	150904962	7	0.697573
rs3549	SPARC	5	151021343	2	2.734582
rs3549	SPARC	5	151021343	3	0.976386
rs3549	SPARC	5	151021343	4	3.241084
rs1054204	SPARC	5	151022743	1	0.140676
rs1054204	SPARC	5	151022743	4	0.94886
rs1054204	SPARC	5	151022743	2	1.381932
rs1054204	SPARC	5	151022743	3	0.121702
rs1054204	SPARC	5	151022743	6	0.02253
rs982716	NMUR2	5	151751549	4	3.45922
rs982716	NMUR2	5	151751549	3	3.691182
rs4958303	NMUR2	5	151751866	4	4.225041

rs4958303	NMUR2	5	151751866	3	4.240173
rs4958532	NMUR2	5	151752045	3	5.080153
rs4958532	NMUR2	5	151752045	4	2.127999
rs1895245	NMUR2	5	151752248	3	2.859332
rs478020	MFAP3	5	153409362	7	1.174531
rs478020	MFAP3	5	153409362	2	3.630205
rs478020	MFAP3	5	153409362	4	0.478928
rs17535045	MFAP3	5	153413749	1	5.803039
rs17535045	MFAP3	5	153413749	7	0.648362
rs4958733	GALNT10	5	153763780	5	0.236869
rs4958733	GALNT10	5	153763780	6	0.716832
rs4958733	GALNT10	5	153763780	7	0.678077
rs4958733	GALNT10	5	153763780	2	2.236962
rs4958733	GALNT10	5	153763780	8	1.00418
rs6580076	GALNT10	5	153763946	4	4.616741
rs6580076	GALNT10	5	153763946	1	0.301183
rs6580076	GALNT10	5	153763946	8	0.417228
rs888979	GALNT10	5	153777068	5	0.969236
rs888979	GALNT10	5	153777068	8	3.779418
rs888979	GALNT10	5	153777068	1	4.930996
rs888979	GALNT10	5	153777068	4	4.631357
rs3776997	GALNT10	5	153777300	3	0.104296
rs3822711	GALNT10	5	153777488	1	5.31198
rs3822711	GALNT10	5	153777488	7	4.425791
rs3172941	GALNT10	5	153778073	7	0.169751
rs3172941	GALNT10	5	153778073	1	0.410724
rs3172941	GALNT10	5	153778073	6	5.805071
rs3172941	GALNT10	5	153778073	4	4.625449
rs3172941	GALNT10	5	153778073	5	5.054381
rs3172941	GALNT10	5	153778073	2	0.308239
rs10796	GALNT10	5	153778561	5	0.25274
rs10796	GALNT10	5	153778561	4	1.167237
rs10796	GALNT10	5	153778561	2	4.757256
rs3867430	C5orf4	5	154180805	5	0.150068
rs3867430	C5orf4	5	154180805	8	0.247604
rs3867430	C5orf4	5	154180805	3	0.254022
rs3867430	C5orf4	5	154180805	6	0.544839
rs3867430	C5orf4	5	154180805	4	0.385091
rs6865950	GEMIN5	5	154255979	2	5.206022
rs3857412	SGCD	5	156119760	5	0.871275
rs284445	SGCD	5	156120506	4	0.353874
rs284445	SGCD	5	156120506	1	2.249686
rs284445	SGCD	5	156120506	2	0.601892
rs284445	SGCD	5	156120506	8	0.153562
rs1389818	SGCD	5	156120597	5	1.074177
rs10041876	SGCD	5	156123374	5	0.315001
rs1845479	SGCD	5	156123792	5	0.116809

rs3913482	SGCD	5	156124093	5	0.673926
rs12522248	HAVCR1	5	156412004	1	2.961104
rs1553316	HAVCR1	5	156412087	6	0.438145
rs1553316	HAVCR1	5	156412087	4	0.508324
rs9313439	HAVCR2	5	156445760	4	0.601041
rs9313439	HAVCR2	5	156445760	8	0.756726
rs9313439	HAVCR2	5	156445760	6	0.732869
rs27988	ITK	5	156613263	3	2.878927
rs7715719	C5orf40	5	156702246	5	0.082627
rs7715719	C5orf40	5	156702246	1	1.088936
rs7715719	C5orf40	5	156702246	6	0.044188
rs7715719	C5orf40	5	156702246	4	0.242487
rs7715719	C5orf40	5	156702246	2	0.29015
rs7715719	C5orf40	5	156702246	7	0.233494
rs10037485	C5orf40	5	156702711	2	0.245505
rs10037485	C5orf40	5	156702711	1	0.839598
rs10037485	C5orf40	5	156702711	7	0.273898
rs10037485	C5orf40	5	156702711	4	1.487598
rs10214194	C5orf40	5	156702787	5	0.324098
rs6860507	ICHTHYIN	5	156831268	7	1.102757
rs6860507	ICHTHYIN	5	156831268	1	0.97774
SNP5-156832503	ICHTHYIN	5	156832503	8	7.54426
rs3822692	ICHTHYIN	5	156833456	1	0.658029
rs3822692	ICHTHYIN	5	156833456	4	1.031199
rs3822692	ICHTHYIN	5	156833456	2	2.5849
rs3822692	ICHTHYIN	5	156833456	5	0.916705
rs10404	ADAM19	5	156837211	6	5.411883
rs10404	ADAM19	5	156837211	1	4.866078
rs11466822	ADAM19	5	156838095	7	0.680913
rs11466822	ADAM19	5	156838095	1	2.385123
rs11466822	ADAM19	5	156838095	5	1.910987
rs6895849	ADAM19	5	156839397	8	0.081174
rs3822585	ADAM19	5	156839564	2	0.177551
rs11466816	ADAM19	5	156839688	7	1.241238
rs11466816	ADAM19	5	156839688	6	1.464474
rs11466816	ADAM19	5	156839688	5	0.327531
rs11466816	ADAM19	5	156839688	2	3.806566
rs11466815	ADAM19	5	156839749	5	0.810356
rs11466815	ADAM19	5	156839749	7	0.581864
rs10067096	ADAM19	5	156849918	7	0.073356
rs10067096	ADAM19	5	156849918	5	0.254777
rs3749797	SOX30	5	157011053	1	0.08418
rs2270819	THG1L	5	157090992	3	0.048231
rs2270819	THG1L	5	157090992	5	0.161483
rs2270819	THG1L	5	157090992	2	2.802446
rs2270819	THG1L	5	157090992	1	0.113938
rs2270818	THG1L	5	157091017	1	0.434195



rs2270818	THG1L	5	157091017	2	0.6221
rs2270818	THG1L	5	157091017	3	0.947278
rs2270818	THG1L	5	157091017	5	0.227766
rs2270817	THG1L	5	157091131	3	0.329702
rs2270817	THG1L	5	157091131	7	4.010381
rs2279770	LSM11	5	157116317	2	1.19002
rs2279770	LSM11	5	157116317	5	0.501324
rs2279770	LSM11	5	157116317	7	0.800238
rs2279770	LSM11	5	157116317	1	0.886935
rs3212227	IL12B	5	158675528	3	0.301344
rs3213120	IL12B	5	158675686	4	0.121869
rs3213119	IL12B	5	158676366	4	0.228167
rs3729604	ADRA1B	5	159277039	5	6.535221
rs13161018	FABP6	5	159591851	4	0.296674
rs13161018	FABP6	5	159591851	3	0.929015
rs13161018	FABP6	5	159591851	2	0.899769
rs13161018	FABP6	5	159591851	1	0.480231
rs9216	C1QTNF2	5	159708625	1	0.288282
rs6892951	ATP10B	5	159922761	2	4.715007
rs6892951	ATP10B	5	159922761	6	0.009507
rs6892951	ATP10B	5	159922761	5	7.002282
rs6892951	ATP10B	5	159922761	4	5.447832
rs6892951	ATP10B	5	159922761	8	3.221508
rs6892951	ATP10B	5	159922761	1	1.046532
rs6894908	ATP10B	5	160048357	4	0.205298
rs6894908	ATP10B	5	160048357	3	0.511389
rs6894908	ATP10B	5	160048357	7	1.146914
rs13188991	GABRA6	5	161045582	1	1.622876
rs211037	GABRG2	5	161460858	5	0.841127
rs211037	GABRG2	5	161460858	4	0.415754
rs299284	HMMR	5	162829228	3	0.082634
rs17061795	MAT2B	5	162873577	3	0.086135
rs17070023	ODZ2	5	167607050	7	0.458959
rs17070023	ODZ2	5	167607050	2	4.964389
rs17632540	ODZ2	5	167621874	5	0.037862
rs17632540	ODZ2	5	167621874	1	0.890331
rs17632540	ODZ2	5	167621874	2	2.84558
rs17551608	WWC1	5	167768117	1	2.955529
SNP5-167813610	WWC1	5	167813610	3	0.043138
SNP5-167813610	WWC1	5	167813610	8	6.154069
SNP5-167813610	WWC1	5	167813610	1	3.374201
SNP5-167813610	WWC1	5	167813610	4	5.670965
rs292486	SLIT3	5	168031041	3	0.817882
rs292486	SLIT3	5	168031041	4	0.211551
rs35305517	SLIT3	5	168045505	6	5.657354
rs3797715	SLIT3	5	168166052	1	5.002887
rs4867964	SLIT3	5	168177025	3	0.693379

rs4867964	SLIT3	5	168177025	6	1.31798
rs17558310	CCDC99	5	168943373	5	0.59385
rs17558310	CCDC99	5	168943373	2	4.962607
rs3797713	CCDC99	5	168961059	4	5.976123
rs3797713	CCDC99	5	168961059	3	0.256807
rs3797713	CCDC99	5	168961059	6	5.393253
rs2306559	DOCK2	5	169062000	1	0.456746
rs13155521	DOCK2	5	169107062	2	3.215881
rs2287727	DOCK2	5	169368291	5	0.967954
rs2287727	DOCK2	5	169368291	3	0.907104
rs2287727	DOCK2	5	169368291	1	4.869434
rs9791113	DOCK2	5	169387519	4	0.87739
rs1045168	DOCK2	5	169437321	4	0.328304
rs1045168	DOCK2	5	169437321	6	0.73448
rs1045176	DOCK2	5	169442598	4	1.90814
rs1045176	DOCK2	5	169442598	2	3.928506
rs1045176	DOCK2	5	169442598	7	1.208717
rs9307	DOCK2	5	169442601	2	3.457377
rs9307	DOCK2	5	169442601	7	0.993708
rs9307	DOCK2	5	169442601	4	0.501783
rs9307	DOCK2	5	169442601	5	0.089073
rs1045192	DOCK2	5	169442768	4	0.005822
rs1045192	DOCK2	5	169442768	7	1.482005
rs6873124	FOXI1	5	169468312	2	0.741948
rs6873124	FOXI1	5	169468312	4	4.450982
rs6873124	FOXI1	5	169468312	7	0.349491
rs10039796	LCP2	5	169607743	3	0.322324
rs10039796	LCP2	5	169607743	7	1.60079
rs10039796	LCP2	5	169607743	1	0.346019
rs10039796	LCP2	5	169607743	5	1.117741
rs315717	LCP2	5	169617741	2	3.096692
rs314156	KCNMB1	5	169737989	8	0.29434
rs314156	KCNMB1	5	169737989	6	1.612372
rs2656841	KCNMB1	5	169738207	1	0.280141
rs2656841	KCNMB1	5	169738207	2	2.39515
rs11739136	KCNMB1	5	169743374	4	1.795592
rs11739136	KCNMB1	5	169743374	5	2.924434
rs17563665	KCNMB1	5	169748849	1	2.187215
rs1055381	KCNIP1	5	170095949	3	1.274703
rs1055381	KCNIP1	5	170095949	5	2.669615
rs7725726	GABRP	5	170148248	2	2.550255
rs2914331	RANBP17	5	170658852	2	5.778014
rs2914331	RANBP17	5	170658852	7	0.364054
rs2914331	RANBP17	5	170658852	1	0.0933
rs2914331	RANBP17	5	170658852	3	0.636578
rs4868141	STK10	5	171456041	5	5.434467
rs10050631	SH3PXD2B	5	171696779	5	1.05384

rs10050631	SH3PXD2B	5	171696779	2	5.590333
rs10050631	SH3PXD2B	5	171696779	7	0.688532
rs17714774	LOC401218	5	172122233	4	3.715303
rs17075508	SNORA74B	5	172380368	6	0.690874
rs17075508	SNORA74B	5	172380368	4	6.783325
rs1965668	LOC391850	5	172586007	6	2.292818
rs1965668	LOC391850	5	172586007	7	3.358421
rs1965668	LOC391850	5	172586007	3	2.761003
rs703752	NKX2-5	5	172592117	8	1.300791
rs703752	NKX2-5	5	172592117	4	0.73212
rs703752	NKX2-5	5	172592117	3	0.229763
rs703752	NKX2-5	5	172592117	2	1.447767
rs703752	NKX2-5	5	172592117	1	2.025343
rs703752	NKX2-5	5	172592117	5	1.134315
rs2277923	NKX2-5	5	172594630	1	1.066867
rs1564823	CPEB4	5	173315800	1	5.099043
rs4457100	HMP19	5	173467483	4	0.996425
rs4457100	HMP19	5	173467483	2	0.527802
rs14459	MSX2	5	174090317	3	0.280931
rs156373	SFXN1	5	174887467	3	0.383231
rs156373	SFXN1	5	174887467	7	1.308793
rs10516139	UBXD8	5	175868923	4	1.233327
rs17078320	PCLKC	5	175930852	1	0.950093
rs2358747	PCLKC	5	175938083	1	0.723293
rs4868660	PCLKC	5	175944495	1	0.562636
rs4868660	PCLKC	5	175944495	7	0.57557
rs2291442	PCLKC	5	175950061	3	0.88353
rs2291442	PCLKC	5	175950061	7	0.243918
rs3736432	UNC5A	5	176240110	1	6.432775
rs3736432	UNC5A	5	176240110	4	0.326517
rs3736432	UNC5A	5	176240110	3	2.766787
rs2278492	HK3	5	176247065	1	0.744566
rs3733876	UIMC1	5	176315601	1	3.894199
rs1966265	FGFR4	5	176449237	7	0.394601
rs376618	FGFR4	5	176450403	5	1.034928
rs376618	FGFR4	5	176450403	3	1.515191
rs9489	FGFR4	5	176457635	1	4.887013
rs1363405	NSD1	5	176569488	3	0.972965
rs1363405	NSD1	5	176569488	2	4.785522
rs1363405	NSD1	5	176569488	6	0.264333
rs3733875	NSD1	5	176569846	2	5.071806
SNP5-176571112	NSD1	5	176571112	3	0.0801
SNP5-176653757	NSD1	5	176653757	8	0.227251
SNP5-176653757	NSD1	5	176653757	3	0.098113
rs11740250	NSD1	5	176653878	1	4.97353
rs11740250	NSD1	5	176653878	3	0.068112
rs11740250	NSD1	5	176653878	8	6.581292

rs9313754	RAB24	5	176663284	5	0.215526
rs9313754	RAB24	5	176663284	7	4.409489
rs9313754	RAB24	5	176663284	3	0.131822
rs28670911	PRELID1	5	176665722	2	6.433679
rs17876047	F12	5	176764195	6	0.965948
rs1801020	F12	5	176769138	2	3.949561
rs335435	GRK6	5	176800549	6	4.631641
GA004936	PDLIM7	5	176850503	1	4.312278
rs6634	TMED9	5	176955704	7	2.877343
rs6634	TMED9	5	176955704	8	0.398545
rs6634	TMED9	5	176955704	2	2.873656
rs6634	TMED9	5	176955704	3	0.415029
rs6886539	LOC202181	5	176991736	5	1.089321
rs6886539	LOC202181	5	176991736	7	0.989854
rs6886539	LOC202181	5	176991736	8	0.007113
rs2913858	AGXT2L2	5	177592384	3	0.011871
rs13741	COL23A1	5	177597606	6	3.582482
rs1544925	COL23A1	5	177598092	7	0.452578
rs890802	COL23A1	5	177615983	3	0.74734
rs890802	COL23A1	5	177615983	7	0.292376
rs2004503	LOC643618	5	178269728	3	0.800322
rs2004503	LOC643618	5	178269728	1	0.995283
rs732531	LOC643618	5	178269821	6	3.100894
rs732531	LOC643618	5	178269821	5	3.360452
rs732531	LOC643618	5	178269821	1	4.420399
rs732531	LOC643618	5	178269821	8	7.163312
rs732531	LOC643618	5	178269821	2	0.167177
rs732531	LOC643618	5	178269821	7	4.536249
rs7724141	ZFP2	5	178272661	5	5.190791
rs7724141	ZFP2	5	178272661	4	0.693387
rs12187167	ZFP2	5	178292428	1	6.011194
rs12187167	ZFP2	5	178292428	4	0.848736
rs12187167	ZFP2	5	178292428	5	0.537923
rs12186577	ZFP2	5	178292595	4	0.281879
rs12186577	ZFP2	5	178292595	5	0.323839
rs12186577	ZFP2	5	178292595	1	3.72952
rs12186584	ZFP2	5	178292662	5	1.505817
rs12186584	ZFP2	5	178292662	1	5.567727
rs12186584	ZFP2	5	178292662	4	0.695944
rs6867221	ZNF454	5	178324466	7	0.510466
rs6867221	ZNF454	5	178324466	3	0.476747
rs12719860	ZNF454	5	178324508	3	0.789347
rs12719860	ZNF454	5	178324508	7	0.326035
rs7725272	GRM6	5	178338994	2	2.37795
rs7725272	GRM6	5	178338994	7	0.343698
rs7725272	GRM6	5	178338994	3	0.776161
rs17078875	GRM6	5	178342556	3	0.406007

rs11746675	GRM6	5	178346553	5	0.211244
rs2071246	GRM6	5	178348894	1	1.61189
rs1445846	ZNF354C	5	178439675	3	0.384933
rs1445846	ZNF354C	5	178439675	8	4.496041
rs1445846	ZNF354C	5	178439675	4	3.730467
rs1445846	ZNF354C	5	178439675	2	5.768572
rs1445844	ZNF354C	5	178439876	4	0.449354
rs1445844	ZNF354C	5	178439876	3	0.516535
rs1054480	ADAMTS2	5	178473581	8	0.446896
rs1054480	ADAMTS2	5	178473581	1	2.374201
rs2303644	ADAMTS2	5	178487651	8	1.232667
rs1972715	ADAMTS2	5	178495573	8	1.603302
rs398829	ADAMTS2	5	178567278	7	0.194834
rs4701135	RUFY1	5	178953228	5	0.130083
rs4701135	RUFY1	5	178953228	2	1.001187
rs4701135	RUFY1	5	178953228	7	0.169118
rs7700649	LOC729595	5	179053869	8	0.829385
rs7700649	LOC729595	5	179053869	7	1.78402
rs6895902	MAML1	5	179134453	5	4.911647
rs6895902	MAML1	5	179134453	3	0.324789
rs6895902	MAML1	5	179134453	6	0.077264
rs10060182	LOC51149	5	179218358	8	0.130717
rs10060182	LOC51149	5	179218358	4	1.937824
rs10060182	LOC51149	5	179218358	7	0.263088
SNP5-179235527	TBC1D9B	5	179235527	8	6.342298
SNP5-179235527	TBC1D9B	5	179235527	6	0.009124
rs2278662	LOC729618	5	179460501	1	3.853142
rs2278661	RASGEF1C	5	179460673	1	2.082265
rs2278661	RASGEF1C	5	179460673	7	1.220221
rs7725201	RASGEF1C	5	179461730	1	3.575384
rs7725201	RASGEF1C	5	179461730	4	0.894711
rs7725201	RASGEF1C	5	179461730	8	4.223822
rs11546322	RASGEF1C	5	179496041	8	0.64463
rs11546322	RASGEF1C	5	179496041	3	0.045564
rs11546322	RASGEF1C	5	179496041	2	2.902571
rs7725	GFPT2	5	179660563	3	1.264361
rs2303007	GFPT2	5	179673433	3	0.397739
rs2127379	LOC643836	5	180220173	7	0.584227
rs2127380	LOC643836	5	180220238	3	0.529564
rs2127380	LOC643836	5	180220238	5	0.251476
rs2127380	LOC643836	5	180220238	6	5.378419
rs2127380	LOC643836	5	180220238	4	4.377182
rs7703365	BTNL8	5	180309624	5	0.986181
rs7703365	BTNL8	5	180309624	3	0.017834
rs34645360	BTNL3	5	180365650	1	0.268063
rs34645360	BTNL3	5	180365650	3	0.3952
rs10434808	BTNL9	5	180419691	5	0.039802

rs10434808	BTNL9	5	180419691	3	0.424946
rs10434810	BTNL9	5	180419750	3	0.547304
rs2545098	TRIM41	5	180583350	6	1.028445
rs2545098	TRIM41	5	180583350	1	1.23849
rs2545098	TRIM41	5	180583350	2	0.825733
rs2545098	TRIM41	5	180583350	5	0.439978
rs6601178	TRIM41	5	180583837	6	0.201703
rs11242777	NULL	6	243915	3	0.110283
rs11242777	NULL	6	243915	8	0.206134
rs1050979	IRF4	6	355417	1	1.185098
rs1050979	IRF4	6	355417	6	0.456137
rs1050979	IRF4	6	355417	7	0.34012
rs1050979	IRF4	6	355417	2	0.123056
rs1877175	IRF4	6	355493	1	1.47679
rs1877176	IRF4	6	355513	1	0.421811
rs1877176	IRF4	6	355513	2	1.185077
rs1877176	IRF4	6	355513	4	1.415287
rs9392502	IRF4	6	355608	4	0.322665
rs9392502	IRF4	6	355608	3	0.366232
rs2316515	IRF4	6	355848	1	0.128737
rs2316515	IRF4	6	355848	7	1.37566
rs2316515	IRF4	6	355848	2	0.767211
rs2316515	IRF4	6	355848	3	0.695861
rs872071	IRF4	6	356064	1	0.078454
rs872071	IRF4	6	356064	2	0.699892
rs872071	IRF4	6	356064	6	0.398373
rs11242982	LOC642335	6	482157	2	1.511404
rs11242982	LOC642335	6	482157	5	0.108764
rs11242982	LOC642335	6	482157	1	0.831224
rs11242982	LOC642335	6	482157	3	0.051452
rs9328435	LOC646773	6	766327	1	1.175892
rs17816516	NULL	6	1049875	2	0.788661
rs17816516	NULL	6	1049875	6	2.25611
rs2293783	FOXF2	6	1340042	3	0.593566
rs7761242	NULL	6	1459366	1	3.061317
rs7761242	NULL	6	1459366	8	0.041035
rs1545849	C6orf195	6	2567910	3	0.52357
rs9501863	C6orf195	6	2568422	6	0.397066
rs9501863	C6orf195	6	2568422	1	4.307909
rs9501863	C6orf195	6	2568422	7	0.324107
rs6902511	C6orf195	6	2568819	1	0.656122
rs9503233	C6orf195	6	2568929	1	2.348431
rs9503233	C6orf195	6	2568929	7	1.131521
rs17135340	C6orf195	6	2569052	3	0.14098
rs17135340	C6orf195	6	2569052	8	0.158909
rs34857522	RP11-145H9.1	6	2610937	3	0.667455
rs34857522	RP11-145H9.1	6	2610937	2	2.915474

rs34857522	RP11-145H9.1	6	2610937	8	0.29338
rs17135412	RP11-145H9.1	6	2611427	3	1.398094
rs12203065	RP11-145H9.1	6	2611477	1	1.494008
rs12203132	RP11-145H9.1	6	2611548	1	2.237475
rs12203132	RP11-145H9.1	6	2611548	4	0.946438
rs12203132	RP11-145H9.1	6	2611548	8	0.691619
rs9503245	RP11-145H9.1	6	2611847	1	1.194858
rs9503245	RP11-145H9.1	6	2611847	4	0.750847
rs733985	RP11-145H9.1	6	2611931	5	1.29145
rs733985	RP11-145H9.1	6	2611931	3	0.950857
rs733985	RP11-145H9.1	6	2611931	1	0.770702
rs6904200	RP11-145H9.1	6	2612030	5	1.359179
rs6904200	RP11-145H9.1	6	2612030	4	0.580011
rs6904200	RP11-145H9.1	6	2612030	8	0.472134
rs9501868	RP11-145H9.1	6	2612348	8	2.946556
rs9501868	RP11-145H9.1	6	2612348	4	0.731335
rs9501868	RP11-145H9.1	6	2612348	1	2.915713
rs9501869	RP11-145H9.1	6	2612369	4	1.26523
rs9501869	RP11-145H9.1	6	2612369	1	3.621224
rs9501872	RP11-145H9.1	6	2612499	1	1.583613
rs9501872	RP11-145H9.1	6	2612499	8	0.440545
rs9501872	RP11-145H9.1	6	2612499	6	0.549554
rs9501873	RP11-145H9.1	6	2612688	1	2.370377
rs9501873	RP11-145H9.1	6	2612688	8	0.46034
rs9501873	RP11-145H9.1	6	2612688	6	1.148042
rs12206682	RP11-145H9.1	6	2613070	4	0.198865
rs12206682	RP11-145H9.1	6	2613070	6	0.206516
rs12206682	RP11-145H9.1	6	2613070	1	2.571712
rs2296356	RP11-145H9.1	6	2694380	3	0.127074
rs192907	SERPINB9	6	2832770	4	0.894528
rs192907	SERPINB9	6	2832770	2	3.252721
rs1052886	SERPINB9	6	2835189	6	0.341379
rs1052886	SERPINB9	6	2835189	4	0.434473
rs1052886	SERPINB9	6	2835189	8	2.209997
rs318486	SERPINB9	6	2835282	7	0.593114
rs318486	SERPINB9	6	2835282	4	0.551611
rs2326106	DKFZp686l15217	6	2934581	1	0.690566
rs4149367	NQO2	6	2960864	3	0.367162
rs6955	NQO2	6	2964926	2	6.035736
rs6955	NQO2	6	2964926	3	0.022835
rs6955	NQO2	6	2964926	1	0.347866
rs2272990	RIPK1	6	3022140	3	0.653712
rs41300839	TUBB2A	6	3100946	3	0.320807
rs1127485	C6orf85	6	3215005	7	6.012247
rs3813485	C6orf85	6	3215120	7	5.857213
rs3211066	C6orf85	6	3216787	7	5.740884
rs9501975	C6orf85	6	3217806	7	3.165792

rs742541	C6orf145	6	3668331	1	3.138644
rs226959	C6orf145	6	3672810	1	5.238558
rs6597007	FAM50B	6	3796192	4	5.835564
rs3196512	FAM50B	6	3796544	5	0.361177
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rs9503893	PRPF4B	6	3976997	7	3.255358
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rs9503893	PRPF4B	6	3976997	4	0.700556
rs10485172	C6orf146	6	4014132	4	0.557083
rs595413	C6orf146	6	4014165	6	1.234373
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rs639905	C6orf146	6	4014684	4	1.805611
rs11751668	C6orf201	6	4070473	7	0.329074
rs659305	C6orf201	6	4070654	8	3.641359
rs3177253	PECI	6	4078854	7	0.038126
rs9405753	KU-MEL-3	6	4556828	1	3.151774
rs9405753	KU-MEL-3	6	4556828	6	3.147508
rs9405753	KU-MEL-3	6	4556828	3	2.537663
rs3812178	CDYL	6	4661036	7	0.760715
rs1749144	RPP40	6	4943962	3	0.367443
rs393628	LYRM4	6	5054118	5	0.655844
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rs1050783	F13A1	6	6090691	1	5.504832
rs5988	F13A1	6	6097136	7	1.476471
rs5988	F13A1	6	6097136	1	3.604644
rs5986	F13A1	6	6119855	4	0.568607
rs5982	F13A1	6	6119865	2	4.623629
rs5982	F13A1	6	6119865	3	3.796714
rs1334576	RREB1	6	7156817	6	4.302727
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SNP6-7175679	RREB1	6	7175679	3	0.031688
SNP6-7192343	RREB1	6	7192343	3	0.92399
SNP6-7192343	RREB1	6	7192343	6	0.720703
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rs6597269	LOC644051	6	7462238	4	4.571859
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rs17604693	DSP	6	7510726	1	4.971502
rs2064217	DSP	6	7522259	1	4.030289
rs2744380	DSP	6	7530966	8	0.148691
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rs2806218	C6orf151	6	7555485	6	1.8351
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rs3798751	SYCP2L	6	11050950	4	0.7926
rs3734397	ELOVL2	6	11090834	1	2.49807
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rs9461026	GPLD1	6	24581763	7	0.393628
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rs2038135	KIAA0319	6	24753946	1	1.853813
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rs10946829	BTN2A3	6	26534466	2	2.029999
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rs12207181	BTN2A3	6	26539264	8	1.00388
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rs3846848	BTN3A3	6	26554188	4	0.305975
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rs9393728	BTN1A1	6	26617309	1	0.89499
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rs904142	OR2B6	6	28033435	1	3.19438
rs9380030	OR2B6	6	28033806	1	3.501381

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rs1150703	LOC222699	6	28292239	2	1.996308
rs1736894	LOC222699	6	28294533	2	1.484142
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rs450630	ZNF452	6	28650403	8	0.007644
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rs1233627	NOL5BP	6	28859706	1	3.057874
rs2071790	C6orf100	6	29019781	1	0.504997
rs3749977	OR2J3	6	29188323	1	1.365969
rs6930033	OR5V1	6	29431884	2	2.419909
rs2074470	OR11A1	6	29502406	1	2.142663
rs2074470	OR11A1	6	29502406	2	1.963177
rs9257857	OR11A1	6	29502905	6	1.390683
rs2074465	OR10C1	6	29516455	2	0.969423
rs3128854	OR2H1	6	29539677	1	0.609143
rs2076486	UBD	6	29631851	3	1.168044
rs2076485	UBD	6	29631931	3	0.385792
rs2076485	UBD	6	29631931	1	3.2888
rs2076485	UBD	6	29631931	7	2.560736
rs2076484	UBD	6	29631982	3	0.597058
rs2235698	OR2H2	6	29663757	7	0.429597
rs2235698	OR2H2	6	29663757	1	5.470414
rs2235698	OR2H2	6	29663757	3	0.954311
rs29230	GABBR1	6	29684372	1	3.587337
rs29230	GABBR1	6	29684372	6	1.420168
rs29230	GABBR1	6	29684372	7	2.270316
rs9468571	MOG	6	29732873	4	2.932825
rs2857766	MOG	6	29741982	6	2.140673
rs2857766	MOG	6	29741982	5	0.291418
rs2535238	ZFP57	6	29753017	6	4.387414
rs2535238	ZFP57	6	29753017	4	3.937675
rs2535238	ZFP57	6	29753017	7	3.046287
rs2747421	ZFP57	6	29753097	4	2.525563
rs2747421	ZFP57	6	29753097	7	9.103782
rs2394160	RP3-377H14.5	6	29811241	6	3.763876
rs2394160	RP3-377H14.5	6	29811241	3	0.445715
rs2394160	RP3-377H14.5	6	29811241	4	0.846798
rs2517945	RP3-377H14.5	6	29811412	3	0.11414
rs2517945	RP3-377H14.5	6	29811412	6	0.810135
rs2517945	RP3-377H14.5	6	29811412	8	0.166063
rs2517945	RP3-377H14.5	6	29811412	4	0.52489
rs2523389	RP3-377H14.5	6	29814107	6	2.312408
rs2523389	RP3-377H14.5	6	29814107	3	0.193689
rs2523389	RP3-377H14.5	6	29814107	4	0.376655
rs2523389	RP3-377H14.5	6	29814107	8	0.521769
rs1610621	IFITM4P	6	29826769	7	1.955071
rs1610621	IFITM4P	6	29826769	3	1.88088
rs1610621	IFITM4P	6	29826769	6	3.129762
rs1610621	IFITM4P	6	29826769	4	0.346462
rs17185111	HCG4	6	29866989	2	5.087211
rs3734818	HCG4	6	29867201	4	0.782234
rs3734818	HCG4	6	29867201	3	1.252863

rs1610643	HCG4	6	29867289	3	0.474598
rs1610643	HCG4	6	29867289	1	3.366064
rs1610643	HCG4	6	29867289	7	0.904116
rs1610643	HCG4	6	29867289	5	0.569291
rs1610643	HCG4	6	29867289	8	1.989175
rs17185132	HCG4	6	29867490	3	0.498262
rs17185132	HCG4	6	29867490	4	9.03394
rs7764777	HCG4	6	29868128	8	2.645312
rs7764777	HCG4	6	29868128	1	3.789713
rs7764777	HCG4	6	29868128	5	0.956797
rs1611212	HCG4	6	29868502	3	0.808998
rs1611212	HCG4	6	29868502	5	0.424548
rs1611212	HCG4	6	29868502	1	3.26036
rs1611212	HCG4	6	29868502	6	0.477562
rs1611213	HCG4	6	29868569	6	3.244535
rs1611213	HCG4	6	29868569	5	1.034736
rs1611213	HCG4	6	29868569	4	1.494148
rs1611213	HCG4	6	29868569	1	3.73761
rs1611213	HCG4	6	29868569	8	1.929325
rs1611213	HCG4	6	29868569	7	1.698729
rs1610719	HCG4	6	29868656	4	0.906536
rs1610719	HCG4	6	29868656	1	2.757996
rs1610719	HCG4	6	29868656	7	0.492868
rs1610719	HCG4	6	29868656	8	0.26867
rs1610719	HCG4	6	29868656	5	1.278861
rs1610719	HCG4	6	29868656	6	0.390105
rs1130363	HLA-G	6	29905675	1	3.287982
rs1130363	HLA-G	6	29905675	2	2.71118
rs1130363	HLA-G	6	29905675	6	1.454004
rs1130363	HLA-G	6	29905675	7	3.086336
rs1130363	HLA-G	6	29905675	5	2.084404
rs915669	HLA-G	6	29906404	1	2.017041
rs915669	HLA-G	6	29906404	6	4.345979
rs915669	HLA-G	6	29906404	5	4.731154
rs915669	HLA-G	6	29906404	2	2.161993
rs915669	HLA-G	6	29906404	7	0.87665
rs1610696	HLA-G	6	29906782	7	0.218002
rs1610696	HLA-G	6	29906782	6	10.28397
rs1610696	HLA-G	6	29906782	5	0.890006
rs1610696	HLA-G	6	29906782	3	2.567882
rs1610696	HLA-G	6	29906782	8	6.626835
rs1610696	HLA-G	6	29906782	1	5.170949
rs7768484	HLA-H	6	29963957	8	5.237933
rs7768484	HLA-H	6	29963957	5	2.925223
rs3094185	HCG2P7	6	29975374	1	5.466797
rs3094185	HCG2P7	6	29975374	7	2.731052
rs2231118	HLA-A	6	30020831	3	0.568905



rs2231118	HLA-A	6	30020831	6	0.297283
rs2231118	HLA-A	6	30020831	1	3.382738
rs2523943	HCG9	6	30050906	3	0.336821
rs2523943	HCG9	6	30050906	4	0.601192
rs422640	HCG9	6	30050984	3	0.252287
rs6904029	HCG9	6	30051046	3	0.107305
rs6904029	HCG9	6	30051046	5	0.06086
rs6903753	HCG9	6	30051157	6	0.838853
rs6903753	HCG9	6	30051157	5	1.367267
rs6903753	HCG9	6	30051157	3	2.50346
rs2071568	HCG9	6	30051260	5	0.901872
rs2071568	HCG9	6	30051260	6	0.190032
rs2071568	HCG9	6	30051260	3	1.207249
rs7770557	ZNRD1	6	30137088	8	4.692625
rs7770557	ZNRD1	6	30137088	2	4.118418
rs7770557	ZNRD1	6	30137088	3	0.187667
rs1150738	PPP1R11	6	30143068	4	0.677241
rs1150738	PPP1R11	6	30143068	3	0.229981
rs2074482	PPP1R11	6	30144450	4	0.172369
rs2074482	PPP1R11	6	30144450	5	0.328863
rs1245371	RNF39	6	30146331	8	1.456927
rs2301753	RNF39	6	30147219	4	3.878175
rs2301753	RNF39	6	30147219	8	0.942215
rs2301753	RNF39	6	30147219	5	5.902641
rs2301753	RNF39	6	30147219	2	3.769447
rs1116221	TRIM31	6	30179309	7	1.890847
rs1116221	TRIM31	6	30179309	6	1.358674
rs1116221	TRIM31	6	30179309	4	0.653017
rs3132679	TRIM31	6	30183822	1	5.441594
rs3132679	TRIM31	6	30183822	3	0.799692
rs3132679	TRIM31	6	30183822	7	0.375956
rs2023472	TRIM31	6	30183843	7	0.313616
rs2023472	TRIM31	6	30183843	4	0.896011
rs2523989	TRIM31	6	30186254	4	1.013901
rs2523989	TRIM31	6	30186254	3	2.11398
rs2239529	TRIM31	6	30186309	4	0.310277
rs2239529	TRIM31	6	30186309	3	1.279643
rs3734838	TRIM31	6	30188210	5	1.028557
rs3734838	TRIM31	6	30188210	7	2.032822
rs2517598	TRIM31	6	30188253	3	2.173816
rs2517598	TRIM31	6	30188253	4	0.3796
rs2844793	TRIM31	6	30188475	3	1.579988
rs2844793	TRIM31	6	30188475	4	0.500933
rs757262	TRIM40	6	30222934	5	0.387713
rs9261530	TRIM10	6	30228143	4	0.081598
rs2857433	TRIM10	6	30228612	5	0.016503
rs2857433	TRIM10	6	30228612	4	0.219103

rs2857433	TRIM10	6	30228612	6	0.761228
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rs9261532	TRIM10	6	30228924	5	1.075576
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rs3734840	TRIM10	6	30229584	8	1.04512
rs2523733	TRIM15	6	30239494	3	0.306485
rs2523733	TRIM15	6	30239494	7	1.365302
rs929156	TRIM15	6	30247678	4	1.399091
rs929156	TRIM15	6	30247678	6	0.45156
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rs1063280	TRIM15	6	30248321	3	0.031024
rs1063280	TRIM15	6	30248321	1	1.576773
rs2523721	TRIM26	6	30274245	3	0.052247
rs2072107	TRIM26	6	30274914	5	1.231697
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rs3094615	TRIM26	6	30289096	3	0.172647
rs3094615	TRIM26	6	30289096	5	0.233539
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rs2023477	FLJ45422	6	30337442	3	0.976213
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rs2523746	FLJ45422	6	30338064	3	0.616186
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rs2516697	FLJ45422	6	30340493	4	1.060964
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rs2844750	RPP21	6	30421247	5	0.099676
rs2844750	RPP21	6	30421247	4	0.075619
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rs6986	RPP21	6	30421319	2	0.498867
rs6986	RPP21	6	30421319	3	0.700412
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rs2074505	GNL1	6	30629116	2	1.248485
rs3132594	C6orf136	6	30723239	7	3.244956
rs9262152	MDC1	6	30788895	5	4.083941
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rs2229933	DDR1	6	30965051	6	6.033045
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rs2229933	DDR1	6	30965051	3	0.452269
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rs1264319	DDR1	6	30970402	7	4.175538
rs2230121	GTF2H4	6	30988190	8	7.760701
rs1264305	VARS2	6	30990256	2	3.829815
rs1264305	VARS2	6	30990256	3	0.216624
rs1264305	VARS2	6	30990256	6	2.05926
rs1264305	VARS2	6	30990256	1	0.45855
rs1264303	VARS2	6	30990492	6	2.68724
rs1264303	VARS2	6	30990492	1	1.785733
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rs1264303	VARS2	6	30990492	3	2.578167
rs6926224	VARS2	6	30990668	2	5.39205
rs2249459	VARS2	6	30995967	3	0.314858
rs2517468	VARS2	6	30996148	3	0.348159
rs2517468	VARS2	6	30996148	1	0.61731
rs2517468	VARS2	6	30996148	6	2.267545
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rs2532942	VARS2	6	31000301	2	1.120979
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rs3131787	SFTPG	6	31007503	3	2.117014
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rs12190030	DPCR1	6	31029343	2	0.194717
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rs2844697	LOC646570	6	31040288	7	0.376376
rs2517416	C6orf205	6	31063908	1	4.763534
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rs2523898	LOC729788	6	31101512	1	1.562685
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rs4713420	LOC729788	6	31101546	5	0.799847
rs12110470	LOC729792	6	31105795	1	0.692742
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rs12110785	LOC729792	6	31105803	1	0.851759
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rs1265099	PSORS1C2	6	31213392	3	0.990782
rs1265099	PSORS1C2	6	31213392	4	1.204301
rs1265099	PSORS1C2	6	31213392	5	0.21738
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rs2074478	PSORS1C2	6	31213612	3	0.745086
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rs2233954	PSORS1C2	6	31213651	7	0.172157
rs9263726	PSORS1C1	6	31214478	5	3.303627
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rs130079	CCHCR1	6	31220716	3	0.001434
rs2027937	CCHCR1	6	31224481	3	0.690866
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rs130066	CCHCR1	6	31230294	7	4.9839
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rs3130453	CCHCR1	6	31232828	6	0.708787
rs3130453	CCHCR1	6	31232828	7	0.763893
rs3130453	CCHCR1	6	31232828	4	0.367917
rs3130453	CCHCR1	6	31232828	2	5.994319
SNP6-31233236	CCHCR1	6	31233236	1	5.647035
SNP6-31233236	CCHCR1	6	31233236	5	0.085989
SNP6-31233236	CCHCR1	6	31233236	6	0.849417
rs12529697	CCHCR1	6	31233386	3	1.55202
rs3130932	POU5F1	6	31241922	8	4.218988
rs3130932	POU5F1	6	31241922	5	5.851244
rs3130932	POU5F1	6	31241922	6	3.643964
rs3130932	POU5F1	6	31241922	1	4.154361
rs9263872	HCG27	6	31278587	7	0.002365
rs9263872	HCG27	6	31278587	5	3.027311
rs9263872	HCG27	6	31278587	4	6.985391
rs9263872	HCG27	6	31278587	1	4.543991
rs9263872	HCG27	6	31278587	3	0.80742
rs9263875	HCG27	6	31278893	5	3.543441
rs9263875	HCG27	6	31278893	8	5.196551
rs9263875	HCG27	6	31278893	3	0.396463
rs1049281	HLA-C	6	31344546	7	0.291486
rs1049281	HLA-C	6	31344546	1	4.171242
SNP6-31346238	HLA-C	6	31346238	8	1.867522
SNP6-31346238	HLA-C	6	31346238	1	2.519702
rs1140546	HLA-B	6	31430867	7	0.375563
rs1140546	HLA-B	6	31430867	2	0.39407
rs9501572	LOC729816	6	31441799	2	0.470713
rs9501572	LOC729816	6	31441799	4	1.838634
rs9501572	LOC729816	6	31441799	8	1.197834
rs9501572	LOC729816	6	31441799	7	1.197798
rs9501572	LOC729816	6	31441799	6	1.289797
rs9266379	LOC729816	6	31442160	5	0.139438
rs9266379	LOC729816	6	31442160	1	1.433602
rs9266379	LOC729816	6	31442160	3	1.630593
rs2596427	LOC729816	6	31442372	3	1.87284
rs2844519	MICA	6	31479409	6	0.744854
rs9380254	MICA	6	31486314	5	0.688702
rs1131896	MICA	6	31487094	7	0.056277
rs1131896	MICA	6	31487094	3	1.106762
rs1131896	MICA	6	31487094	5	0.541131
rs1131896	MICA	6	31487094	1	2.168164
rs1131896	MICA	6	31487094	8	0.274288
SNP6-31540061	HCP5	6	31540061	8	4.965635
rs11757571	HCP5	6	31540766	1	4.087944

rs11757602	HCP5	6	31540781	1	4.17834
rs9267143	3.8-1	6	31547816	4	0.532134
rs9267143	3.8-1	6	31547816	6	0.89937
rs9267146	3.8-1	6	31547873	6	1.466056
rs9267146	3.8-1	6	31547873	4	0.157208
rs9267147	3.8-1	6	31547903	4	3.549259
rs9267147	3.8-1	6	31547903	6	2.592518
rs14597	3.8-1	6	31547993	5	0.703346
rs14597	3.8-1	6	31547993	4	1.039606
rs14597	3.8-1	6	31547993	2	0.7471
rs14597	3.8-1	6	31547993	7	0.436797
rs14597	3.8-1	6	31547993	1	1.01309
rs3131639	MICB	6	31581525	4	2.982091
rs2516480	MCCD1	6	31604770	3	0.171658
rs1129640	BAT1	6	31614603	7	1.071649
rs1129640	BAT1	6	31614603	6	1.419713
rs2239527	BAT1	6	31617758	4	1.520441
rs2239527	BAT1	6	31617758	1	0.062381
rs2239528	BAT1	6	31618084	4	0.86932
rs2239528	BAT1	6	31618084	7	0.656064
rs2071594	ATP6V1G2	6	31620699	1	0.169832
rs2071594	ATP6V1G2	6	31620699	4	0.484667
rs2071593	ATP6V1G2	6	31620778	6	0.177644
rs2071593	ATP6V1G2	6	31620778	4	0.268689
SNP6-31633891	NFKBIL1	6	31633891	6	4.681807
rs2229094	LTA	6	31648535	3	0.650624
rs1041981	LTA	6	31648763	1	0.445051
rs1052248	LST1	6	31664560	3	0.178376
rs1052248	LST1	6	31664560	4	0.007616
rs1052248	LST1	6	31664560	7	0.056578
rs3087617	LST1	6	31664635	4	0.662654
rs3179003	NCR3	6	31664907	1	1.323882
rs34816476	NCR3	6	31665360	4	0.645521
rs2259571	AIF1	6	31691806	3	0.094449
rs11538264	BAT2	6	31711168	2	8.472908
rs11538264	BAT2	6	31711168	7	0.99696
rs35502919	BAT2	6	31712334	4	3.384364
rs2295665	BAT4	6	31740665	6	6.541286
rs2295665	BAT4	6	31740665	5	4.830755
rs2295665	BAT4	6	31740665	1	6.501414
SNP6-31740878	BAT4	6	31740878	2	1.6264
SNP6-31740878	BAT4	6	31740878	7	0.292062
rs11758242	LY6G5B	6	31747824	2	5.967189
rs11758242	LY6G5B	6	31747824	7	0.735455
rs9267532	LY6G5B	6	31747958	3	1.183388
rs9267532	LY6G5B	6	31747958	8	0.65425
rs9267535	LY6G5C	6	31757128	8	8.917852

rs9267535	LY6G5C	6	31757128	3	0.308765
rs11552114	BAT5	6	31768827	2	5.6675
rs11552114	BAT5	6	31768827	7	0.209793
rs9267547	C6orf21	6	31783480	2	1.491389
rs9267547	C6orf21	6	31783480	3	0.209157
rs9267547	C6orf21	6	31783480	8	1.355576
rs2242653	C6orf21	6	31783744	5	1.825227
rs2242653	C6orf21	6	31783744	1	0.706024
rs453098	C6orf25	6	31799636	3	0.933986
rs9267551	DDAH2	6	31805936	5	2.154352
rs28381349	MSH5	6	31817024	7	0.936136
rs28381349	MSH5	6	31817024	2	2.340286
rs1802127	MSH5	6	31837904	7	4.649059
rs1802127	MSH5	6	31837904	2	6.94295
rs2075799	HSPA1L	6	31886508	2	4.14926
rs2075799	HSPA1L	6	31886508	7	0.514144
rs2075799	HSPA1L	6	31886508	3	0.056441
rs733539	C6orf48	6	31915468	1	3.78996
rs13118	NEU1	6	31935265	3	0.238318
rs2242664	SLC44A4	6	31947310	8	0.592555
rs2242664	SLC44A4	6	31947310	1	1.250651
rs2075798	SLC44A4	6	31954720	3	0.317923
rs2075798	SLC44A4	6	31954720	6	1.655587
rs7887	EHMT2	6	31972526	5	0.466189
rs7887	EHMT2	6	31972526	7	0.26301
rs7887	EHMT2	6	31972526	8	3.616627
rs7887	EHMT2	6	31972526	4	0.044376
rs7887	EHMT2	6	31972526	1	2.898771
rs2844455	ZBTB12	6	31977652	1	0.565691
rs2844455	ZBTB12	6	31977652	4	0.432157
rs2844455	ZBTB12	6	31977652	5	0.676948
rs2844455	ZBTB12	6	31977652	8	0.815516
rs9332739	C2	6	32011783	1	3.509265
rs1042663	C2	6	32013109	5	0.032785
rs4151667	CFB	6	32022003	1	3.662046
rs4151669	CFB	6	32023123	1	3.962209
rs4151651	CFB	6	32023593	8	4.053211
rs4151672	CFB	6	32027809	1	3.72648
rs17201466	SKIV2L	6	32034579	3	1.212129
rs17201466	SKIV2L	6	32034579	6	1.751781
rs17201466	SKIV2L	6	32034579	4	1.28546
rs438999	SKIV2L	6	32036285	5	0.82932
rs2734331	SKIV2L	6	32038330	7	0.841112
rs2734331	SKIV2L	6	32038330	2	2.090608
rs410851	SKIV2L	6	32044647	6	0.229528
rs410851	SKIV2L	6	32044647	5	0.975968
rs410851	SKIV2L	6	32044647	8	4.087813



rs449643	SKIV2L	6	32044658	2	4.769499
rs449643	SKIV2L	6	32044658	5	0.011778
rs11970671	CYP21A2	6	32115844	3	0.867362
rs4713498	TNXB	6	32119295	5	0.262821
rs4713498	TNXB	6	32119295	3	1.052797
rs2894232	TNXB	6	32119623	5	0.550365
rs185819	TNXB	6	32158045	3	0.311254
rs185819	TNXB	6	32158045	5	0.258126
rs2228628	CREBL1	6	32196832	4	9.779285
rs35580488	FKBPL	6	32205399	5	4.541994
rs169494	FKBPL	6	32205854	2	2.46671
SNP6-32230450	PPT2	6	32230450	8	8.032209
SNP6-32230450	PPT2	6	32230450	3	0.454533
rs41268924	EGFL8	6	32243115	4	2.879975
rs1061807	AGPAT1	6	32244816	1	2.428515
rs3130349	RNF5	6	32255674	8	2.344494
rs3130349	RNF5	6	32255674	3	0.275192
rs2070600	AGER	6	32259421	4	0.334457
rs1800684	AGER	6	32259972	6	5.721009
rs1800684	AGER	6	32259972	5	5.254975
rs8192583	NOTCH4	6	32271252	8	5.948467
rs520803	NOTCH4	6	32296581	8	0.679716
rs520803	NOTCH4	6	32296581	1	2.270864
rs520803	NOTCH4	6	32296581	7	1.082411
rs520692	NOTCH4	6	32296618	8	1.937816
rs520692	NOTCH4	6	32296618	1	3.566247
rs520692	NOTCH4	6	32296618	7	1.88807
rs415929	NOTCH4	6	32297010	1	0.847137
rs415929	NOTCH4	6	32297010	8	0.292109
rs443198	NOTCH4	6	32298384	8	0.873459
rs367398	NOTCH4	6	32299708	1	1.820321
rs16870005	C6orf10	6	32369131	2	0.294693
rs3749966	C6orf10	6	32369485	2	2.491375
rs3129941	C6orf10	6	32445664	1	0.652578
rs3129941	C6orf10	6	32445664	5	1.270944
rs3129941	C6orf10	6	32445664	8	0.663529
rs3129941	C6orf10	6	32445664	2	1.049398
rs2076523	BTNL2	6	32478813	8	1.730033
rs2076523	BTNL2	6	32478813	2	2.212424
rs14004	HLA-DRA	6	32515687	1	0.569672
rs14004	HLA-DRA	6	32515687	5	0.207664
rs3135391	HLA-DRA	6	32518965	6	0.416032
rs3135391	HLA-DRA	6	32518965	1	2.252944
rs3135391	HLA-DRA	6	32518965	5	0.157946
rs8084	HLA-DRA	6	32519013	8	6.43066
rs8084	HLA-DRA	6	32519013	1	0.537741
rs8084	HLA-DRA	6	32519013	6	0.028224

rs8084	HLA-DRA	6	32519013	5	0.439873
rs8084	HLA-DRA	6	32519013	2	0.078775
rs3177928	HLA-DRA	6	32520413	6	0.117085
rs7196	HLA-DRA	6	32520549	6	0.140709
rs7196	HLA-DRA	6	32520549	5	5.750274
rs7196	HLA-DRA	6	32520549	1	1.569724
rs7196	HLA-DRA	6	32520549	2	4.600678
SNP6-32595220	HLA-DRB5	6	32595220	5	5.68748
SNP6-32605940	HLA-DRB5	6	32605940	6	3.886395
SNP6-32605940	HLA-DRB5	6	32605940	1	3.602057
SNP6-32605940	HLA-DRB5	6	32605940	5	1.96293
rs9269693	HLA-DRB1	6	32654844	1	1.514011
rs35445101	HLA-DRB1	6	32654857	1	0.338714
rs35445101	HLA-DRB1	6	32654857	7	1.390151
rs12722042	HLA-DQA1	6	32713287	2	0.321
SNP6-32717104	HLA-DQA1	6	32717104	1	0.905826
rs707952	HLA-DQA1	6	32717784	7	2.319698
rs1130399	HLA-DQB1	6	32737733	1	0.717207
SNP6-32740576	HLA-DQB1	6	32740576	5	0.523152
SNP6-32740576	HLA-DQB1	6	32740576	6	2.744703
SNP6-32742347	HLA-DQB1	6	32742347	6	2.447025
SNP6-32742347	HLA-DQB1	6	32742347	5	0.479741
rs9276436	HLA-DQA2	6	32822061	7	1.404443
rs9276558	HLA-DQB2	6	32832039	5	0.986654
rs7774954	HLA-DQB2	6	32832167	7	3.600707
rs762815	HLA-DQB2	6	32837620	5	3.94924
rs1573649	HLA-DQB2	6	32839236	5	4.05415
rs1573649	HLA-DQB2	6	32839236	1	2.80231
rs1573649	HLA-DQB2	6	32839236	6	3.261894
rs2070120	HLA-DOB	6	32888892	4	2.998398
rs2070121	HLA-DOB	6	32889532	6	5.601849
rs2070121	HLA-DOB	6	32889532	4	6.362816
rs45459295	HLA-DOB	6	32891064	3	2.050198
rs45459295	HLA-DOB	6	32891064	5	0.230267
rs45459295	HLA-DOB	6	32891064	1	4.09454
rs45459295	HLA-DOB	6	32891064	7	1.464444
SNP6-32892654	HLA-DOB	6	32892654	7	0.337142
SNP6-32892654	HLA-DOB	6	32892654	2	0.918517
rs2071470	HLA-DOB	6	32892731	3	2.261576
rs2071470	HLA-DOB	6	32892731	2	1.509129
rs2071469	HLA-DOB	6	32892761	4	2.482947
rs2071469	HLA-DOB	6	32892761	3	1.302238
rs2071469	HLA-DOB	6	32892761	6	1.515714
rs2071469	HLA-DOB	6	32892761	2	3.027097
rs16870907	TAP2	6	32897785	7	1.239475
rs241456	TAP2	6	32903943	2	5.944902
rs241453	TAP2	6	32904204	2	2.423223

rs241449	TAP2	6	32904631	2	4.316455
rs2228396	TAP2	6	32905787	1	5.301327
rs2228396	TAP2	6	32905787	4	1.253993
rs4576294	TAP2	6	32906526	8	4.834792
rs2228397	TAP2	6	32908202	6	0.654273
rs2228397	TAP2	6	32908202	4	0.120989
rs2228397	TAP2	6	32908202	2	1.823449
rs2228397	TAP2	6	32908202	5	1.085345
rs2228397	TAP2	6	32908202	3	0.12967
rs2228397	TAP2	6	32908202	8	0.230528
rs1800454	TAP2	6	32908390	4	0.651886
rs1800454	TAP2	6	32908390	1	4.672911
rs1800454	TAP2	6	32908390	7	0.591663
rs1800454	TAP2	6	32908390	6	6.216653
401753	TAP2	6	32913568	1	0.53772
401753	TAP2	6	32913568	7	7.100757
401753	TAP2	6	32913568	8	0.647179
401753	TAP2	6	32913568	4	1.587691
401753	TAP2	6	32913568	5	0.039368
401753	TAP2	6	32913568	2	4.536764
rs2071552	TAP2	6	32914439	6	1.034002
rs2071552	TAP2	6	32914439	1	0.115108
rs2071552	TAP2	6	32914439	5	0.689838
rs2071552	TAP2	6	32914439	4	4.506739
rs2071543	PSMB8	6	32919607	2	5.765705
rs8842	TAP1	6	32921139	7	0.618879
rs8842	TAP1	6	32921139	2	2.329335
rs3198005	TAP1	6	32921192	5	0.829888
SNP6-32924421	TAP1	6	32924421	6	2.891193
GA023748	TAP1	6	32924750	2	4.435429
GA023748	TAP1	6	32924750	7	0.331164
rs2127679	TAP1	6	32926214	6	1.175725
rs17879632	TAP1	6	32927946	6	0.683363
rs10751	HLA-DMB	6	33010561	2	4.447627
rs10751	HLA-DMB	6	33010561	4	1.006525
rs10751	HLA-DMB	6	33010561	6	3.095715
rs17617321	HLA-DMB	6	33014564	3	0.125605
rs17617321	HLA-DMB	6	33014564	6	4.814066
rs17617333	HLA-DMB	6	33014630	6	6.021499
rs17617333	HLA-DMB	6	33014630	3	0.047421
rs17583782	HLA-DMB	6	33014694	3	0.297407
rs17583782	HLA-DMB	6	33014694	6	1.342147
rs45514397	HLA-DMB	6	33014694	6	1.710221
rs45514397	HLA-DMB	6	33014694	3	0.231349
rs6926628	HLA-DMA	6	33025476	6	0.829388
rs6926628	HLA-DMA	6	33025476	3	0.198687
rs9276935	BRD2	6	33044419	6	0.328629

rs206781	BRD2	6	33054111	8	6.208661
rs206781	BRD2	6	33054111	3	0.613282
rs592625	HLA-DOA	6	33080668	7	0.024082
rs376892	HLA-DOA	6	33080865	2	1.0403
rs2581	HLA-DOA	6	33082379	3	2.443763
GA023780	HLA-DPA1	6	33144413	3	0.206283
rs12722009	HLA-DPA1	6	33145397	3	0.870644
SNP6-33156664	HLA-DPB1	6	33156664	3	2.507087
SNP6-33156664	HLA-DPB1	6	33156664	7	0.267536
rs9277533	HLA-DPB1	6	33162699	7	2.31327
rs9277533	HLA-DPB1	6	33162699	3	1.77549
rs2295119	LOC646702	6	33168848	3	0.350915
rs1799911	COL11A2	6	33246655	5	0.192914
rs1799910	COL11A2	6	33247306	4	0.037259
rs9277934	COL11A2	6	33261506	3	0.528102
rs9277934	COL11A2	6	33261506	5	0.754079
rs2072915	RXRB	6	33270060	4	0.123999
rs2072915	RXRB	6	33270060	5	5.369377
rs2072915	RXRB	6	33270060	3	0.005224
SNP6-33277160	SLC39A7	6	33277160	5	0.132003
rs1547387	SLC39A7	6	33277873	5	4.565836
rs17215210	VPS52	6	33347457	1	6.028317
rs3130257	WDR46	6	33364449	1	4.835922
rs1059288	TAPBP	6	33375650	3	0.29965
rs1059288	TAPBP	6	33375650	4	0.754871
rs3130100	ZBTB22	6	33391744	4	0.587236
rs3130100	ZBTB22	6	33391744	3	1.529865
rs3130267	MYL8P	6	33414772	4	2.878161
rs3130267	MYL8P	6	33414772	3	2.756387
rs3130267	MYL8P	6	33414772	1	3.350644
rs211449	LYPLA2P1	6	33441894	4	0.270951
rs211449	LYPLA2P1	6	33441894	7	5.032202
rs465223	KIFC1	6	33467694	7	0.6476
rs465223	KIFC1	6	33467694	8	7.113643
rs465223	KIFC1	6	33467694	3	0.111623
rs4231	PHF1	6	33491952	3	0.257953
rs4231	PHF1	6	33491952	4	3.167112
rs4231	PHF1	6	33491952	1	2.878381
rs407710	FLJ43752	6	33662235	2	1.797776
rs4559081	FLJ43752	6	33663326	3	0.762481
rs4559081	FLJ43752	6	33663326	1	1.84403
rs210162	FLJ43752	6	33668874	2	3.376478
rs2229637	ITPR3	6	33751536	4	0.751979
rs2229637	ITPR3	6	33751536	1	0.562469
rs11967839	ITPR3	6	33756122	2	1.047677
rs2966	IHPK3	6	33797498	8	0.902253
rs2967	IHPK3	6	33797512	8	0.388041

rs559290	IHPK3	6	33797934	8	0.895246
rs623813	IHPK3	6	33811067	5	0.525687
rs545787	IHPK3	6	33811208	8	0.454972
rs12189725	IHPK3	6	33811372	5	0.702818
rs12189725	IHPK3	6	33811372	4	1.759669
rs12189725	IHPK3	6	33811372	7	1.35342
rs12189725	IHPK3	6	33811372	1	3.544347
rs12662447	IHPK3	6	33822651	1	2.707571
rs12662447	IHPK3	6	33822651	7	1.107153
rs12662447	IHPK3	6	33822651	4	2.923131
rs12662447	IHPK3	6	33822651	5	2.299129
SNP6-34620173	SPDEF	6	34620173	7	0.089148
rs1201872	C6orf106	6	34663687	1	0.692524
rs1201872	C6orf106	6	34663687	2	4.965604
rs4259246	UHRF1BP1	6	34911925	3	0.234428
rs4259246	UHRF1BP1	6	34911925	2	0.678515
rs4259246	UHRF1BP1	6	34911925	4	1.832395
rs4259246	UHRF1BP1	6	34911925	7	1.759068
rs4259246	UHRF1BP1	6	34911925	1	0.572022
SNP6-34934899	UHRF1BP1	6	34934899	1	5.966302
rs9469913	UHRF1BP1	6	34935063	3	0.840184
rs11552398	ANKS1A	6	35166509	6	3.420305
SNP6-35196359	TCP11	6	35196359	8	0.172478
SNP6-35196359	TCP11	6	35196359	6	1.746307
rs28360552	ZNF76	6	35361952	7	1.218253
rs28360552	ZNF76	6	35361952	2	0.722716
rs28360552	ZNF76	6	35361952	1	1.245125
rs16874216	ZNF76	6	35371219	1	0.191969
rs16874216	ZNF76	6	35371219	7	0.595635
rs16874262	DEF6	6	35373689	7	5.306338
rs9658134	PPARD	6	35486776	3	0.458462
rs9658167	PPARD	6	35502058	7	5.217221
rs1051952	TULP1	6	35573764	8	0.111654
rs1051952	TULP1	6	35573764	7	0.117079
rs2064318	TULP1	6	35585003	1	0.332963
rs12211728	LOC340204	6	35863636	2	2.9698
rs12211728	LOC340204	6	35863636	7	0.314768
rs12211728	LOC340204	6	35863636	5	0.685793
rs12211728	LOC340204	6	35863636	4	3.784655
rs12211728	LOC340204	6	35863636	3	0.188908
rs2295852	SLC26A8	6	36031224	8	1.277719
rs2295852	SLC26A8	6	36031224	5	1.188442
rs2295852	SLC26A8	6	36031224	4	0.916428
rs17713154	SLC26A8	6	36075750	7	0.09739
rs17713154	SLC26A8	6	36075750	2	2.761777
rs743923	SLC26A8	6	36088099	3	0.943068
rs3748045	BRPF3	6	36306555	6	0.60575

rs3748045	BRPF3	6	36306555	1	0.713008
rs3748045	BRPF3	6	36306555	4	0.140553
rs3748045	BRPF3	6	36306555	8	1.134621
rs12199580	PNPLA1	6	36378108	8	0.692835
rs4713956	PNPLA1	6	36383436	8	2.038192
rs4713956	PNPLA1	6	36383436	6	0.250258
rs41270098	C6orf222	6	36402842	2	1.857248
rs2234080	ETV7	6	36444742	5	1.336095
rs2234071	ETV7	6	36463350	6	1.884803
rs2234071	ETV7	6	36463350	2	3.856483
rs2234071	ETV7	6	36463350	4	0.554428
rs2234071	ETV7	6	36463350	7	1.577199
rs2234071	ETV7	6	36463350	5	0.531114
rs584196	KCTD20	6	36564221	7	6.223117
rs584196	KCTD20	6	36564221	1	5.760775
rs584196	KCTD20	6	36564221	6	4.728112
rs2071809	STK38	6	36571605	6	0.533126
rs12199346	LOC389386	6	36749524	8	3.492188
rs12199346	LOC389386	6	36749524	6	3.411696
rs12199346	LOC389386	6	36749524	3	3.647832
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rs12199346	LOC389386	6	36749524	2	2.801819
rs12199346	LOC389386	6	36749524	4	4.173782
rs4711459	LOC389386	6	36750002	5	0.642175
rs4711460	LOC389386	6	36750106	5	2.412746
rs10947623	LOC389386	6	36750814	5	0.054719
rs87152	FLJ43093	6	36808384	1	1.544259
rs236460	FLJ43093	6	36808811	6	0.902024
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rs236459	FLJ43093	6	36808877	1	0.809544
rs9368958	CPNE5	6	36816534	3	0.617461
rs9368958	CPNE5	6	36816534	1	1.446956
rs9368958	CPNE5	6	36816534	6	1.813318
rs1065261	CPNE5	6	36816799	5	0.42256
rs1065261	CPNE5	6	36816799	3	0.355257
rs1065260	CPNE5	6	36816848	6	0.669213
rs1065260	CPNE5	6	36816848	3	0.161559
rs1065260	CPNE5	6	36816848	1	0.199212
rs1065260	CPNE5	6	36816848	5	0.022365
rs1065259	CPNE5	6	36816895	6	3.790925
rs1065259	CPNE5	6	36816895	3	1.240554
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rs1065259	CPNE5	6	36816895	1	2.275341
rs1065258	CPNE5	6	36817043	5	1.495581
rs1065258	CPNE5	6	36817043	3	0.026992
rs763048	CPNE5	6	36841110	3	0.621952
rs763048	CPNE5	6	36841110	5	0.120308

rs12194408	PPIL1	6	36947576	3	0.06208
rs1405070	PI16	6	37030363	1	3.167959
rs1405070	PI16	6	37030363	3	1.578719
rs1063021	PI16	6	37040305	7	0.711902
rs1063021	PI16	6	37040305	3	0.4686
rs1046279	PI16	6	37040549	3	0.095795
rs1046279	PI16	6	37040549	7	1.310326
rs831510	FGD2	6	37084615	8	0.835551
rs831510	FGD2	6	37084615	5	0.936201
rs831510	FGD2	6	37084615	4	0.525882
rs831510	FGD2	6	37084615	3	0.502233
rs12202642	FGD2	6	37087561	3	1.199842
rs708017	FGD2	6	37104751	1	4.004414
rs708017	FGD2	6	37104751	7	2.008137
rs9394402	LOC646875	6	37153527	1	0.861473
rs9394402	LOC646875	6	37153527	6	0.974213
rs9394402	LOC646875	6	37153527	3	0.456947
GA023892	PIM1	6	37249940	5	0.000357
GA023892	PIM1	6	37249940	7	0.179739
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rs1874736	KIAA0082	6	37555972	3	0.837967
rs1874736	KIAA0082	6	37555972	6	3.377066
rs1874736	KIAA0082	6	37555972	8	3.714027
rs12191311	MDGA1	6	37711685	3	0.492066
rs12191311	MDGA1	6	37711685	1	0.365023
rs3846874	MDGA1	6	37731544	5	3.339749
rs3846874	MDGA1	6	37731544	3	2.155865
rs2273110	MDGA1	6	37734120	5	0.186694
rs3823430	DNAH8	6	38858866	2	4.00594
rs9357283	DNAH8	6	38908142	5	1.723238
rs2061907	DNAH8	6	38933307	5	1.024579
rs6918287	GLP1R	6	39141580	3	0.140987
rs2235868	GLP1R	6	39148632	2	5.389838
rs2235868	GLP1R	6	39148632	3	1.58867
rs2235868	GLP1R	6	39148632	5	1.866441
rs2235868	GLP1R	6	39148632	4	0.97678
rs2235868	GLP1R	6	39148632	7	0.021541
rs1042044	GLP1R	6	39149480	4	1.099821
rs1042044	GLP1R	6	39149480	5	1.047848
rs1042044	GLP1R	6	39149480	8	0.900726
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rs1042044	GLP1R	6	39149480	2	4.767836
rs1042044	GLP1R	6	39149480	6	2.354044
rs1126476	GLP1R	6	39156469	3	0.04829
rs1126476	GLP1R	6	39156469	1	0.277538
rs1126476	GLP1R	6	39156469	5	0.270037
rs1126476	GLP1R	6	39156469	7	0.073402

rs10305516	GLP1R	6	39162567	3	2.765239
rs4714210	GLP1R	6	39163463	8	2.224798
rs4714210	GLP1R	6	39163463	4	2.046632
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rs4714210	GLP1R	6	39163463	6	1.197237
rs4714210	GLP1R	6	39163463	3	1.977155
rs10305522	GLP1R	6	39163494	6	0.813339
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rs10947804	KCNK17	6	39390014	1	1.513653
rs10947804	KCNK17	6	39390014	5	5.039303
rs10947804	KCNK17	6	39390014	7	1.108115
rs10947804	KCNK17	6	39390014	8	0.684189
rs10947804	KCNK17	6	39390014	4	2.153868
rs11756091	KCNK16	6	39390784	5	1.41342
rs11756686	KIF6	6	39411944	4	2.195376
rs3008816	DAAM2	6	39980218	2	4.610173
rs9394693	LRFN2	6	40508846	4	0.122539
rs736795	UNC5CL	6	41106119	5	0.146225
rs736795	UNC5CL	6	41106119	7	0.811415
rs2234255	TREM2	6	41235521	7	0.638633
rs17328707	TREML2	6	41267131	8	3.28978
rs7754593	TREML2	6	41267200	3	0.595216
rs3800342	TREML2	6	41267510	1	0.177071
rs3800342	TREML2	6	41267510	3	0.072647
rs3747742	TREML2	6	41270496	3	3.543855
rs3747742	TREML2	6	41270496	6	3.829218
rs3747742	TREML2	6	41270496	1	2.392028
rs11962624	TREML3	6	41284737	3	0.648969
rs11962624	TREML3	6	41284737	7	0.836832
rs11962624	TREML3	6	41284737	2	0.626947
rs9349180	TREML3	6	41293452	8	1.309469
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rs9369265	TREML4	6	41304583	5	2.741912
rs2101269	TREML4	6	41304705	5	0.716761
rs7769759	TREML4	6	41305835	5	1.334879
rs13204001	TREML4	6	41313135	1	0.739183
rs13204001	TREML4	6	41313135	5	0.444161
rs13204001	TREML4	6	41313135	3	0.795503
rs13204353	TREML4	6	41313213	3	0.753687
rs2234246	TREM1	6	41351718	7	2.184006
rs2234246	TREM1	6	41351718	4	0.490449
rs2234246	TREM1	6	41351718	6	2.236375



rs2236369	NCR2	6	41417530	1	0.45463
rs2273962	NCR2	6	41426416	6	3.636476
rs9471607	FOXP4	6	41675106	8	2.885019
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rs9471607	FOXP4	6	41675106	3	0.088598
rs913075	FOXP4	6	41676884	8	0.121647
rs913075	FOXP4	6	41676884	7	0.492239
rs913075	FOXP4	6	41676884	1	4.600131
rs913075	FOXP4	6	41676884	5	0.075045
rs913076	FOXP4	6	41677096	8	1.13647
rs913076	FOXP4	6	41677096	7	3.681133
rs913076	FOXP4	6	41677096	3	0.738211
rs2274578	MED20	6	41996805	6	7.145236
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rs2274578	MED20	6	41996805	7	7.821796
rs2274578	MED20	6	41996805	5	0.208389
rs10947995	BYSL	6	41997201	7	1.294675
rs9688934	C6orf132	6	42218149	5	0.137362
rs9688934	C6orf132	6	42218149	4	0.203201
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rs2207730	GUCA1A	6	42231295	5	1.583467
rs9471793	GUCA1A	6	42249247	6	0.763596
rs9471793	GUCA1A	6	42249247	5	1.41441
rs3749920	GUCA1B	6	42260311	5	0.894166
rs3749920	GUCA1B	6	42260311	1	5.023663
rs1474867	GUCA1B	6	42270553	5	0.619502
rs1474867	GUCA1B	6	42270553	1	4.337869
rs1474867	GUCA1B	6	42270553	7	0.464728
rs1474867	GUCA1B	6	42270553	3	2.185555
rs4714580	MRPS10	6	42282536	1	3.489797
rs4714580	MRPS10	6	42282536	7	0.669643
rs4714580	MRPS10	6	42282536	3	0.793623
rs4714580	MRPS10	6	42282536	5	4.174782
rs2295275	TRERF1	6	42332524	1	4.481363
rs5014584	UBR2	6	42708297	5	0.485307
rs835	PRPH2	6	42773866	4	4.492983
rs835	PRPH2	6	42773866	6	3.862385
rs434102	PRPH2	6	42774039	3	1.466949
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rs434102	PRPH2	6	42774039	1	4.002727
rs390659	PRPH2	6	42774142	5	0.466147
rs390659	PRPH2	6	42774142	3	0.513427
rs390659	PRPH2	6	42774142	1	3.879928
rs7764439	PRPH2	6	42797733	7	2.060831
rs7764439	PRPH2	6	42797733	3	2.980962
rs3800291	FLJ38717	6	42859435	7	0.30661

rs3800291	FLJ38717	6	42859435	2	0.436204
rs3800291	FLJ38717	6	42859435	1	0.022181
rs9471932	KIAA0240	6	42932885	4	0.16028
rs7764865	KIAA0240	6	42943465	7	4.215471
rs736158	PEX6	6	43039732	3	1.139191
rs736158	PEX6	6	43039732	7	0.964964
rs2274515	PEX6	6	43041504	3	0.521391
rs2274515	PEX6	6	43041504	7	0.568771
rs11751058	MEA1	6	43088196	1	5.574732
rs11751058	MEA1	6	43088196	8	5.035706
rs2273917	CUL7	6	43116276	3	0.250661
rs2273917	CUL7	6	43116276	7	0.497827
rs4711738	CUL7	6	43128166	3	0.183691
rs4711738	CUL7	6	43128166	7	0.12865
rs4714661	KLC4	6	43142985	3	1.033907
SNP6-43261765	PARC	6	43261765	6	0.295557
rs7832	C6orf108	6	43301855	3	0.528062
rs10948072	ZNF318	6	43415839	7	3.370997
rs700008	ABCC10	6	43507815	8	0.811649
rs35192247	DLK2	6	43526506	2	4.661319
rs34764062	DLK2	6	43530174	3	0.98321
rs2231767	YIPF3	6	43589099	2	4.633392
rs2231767	YIPF3	6	43589099	3	0.964226
SNP6-43592510	YIPF3	6	43592510	5	0.028289
rs1106841	XPO5	6	43604640	1	0.709751
rs2010963	VEGFA	6	43846328	3	0.223366
rs2010963	VEGFA	6	43846328	2	5.170048
rs2010963	VEGFA	6	43846328	7	0.604864
rs2295333	C6orf223	6	44076792	3	1.947103
rs700006	MRPL14	6	44189488	5	3.565117
rs700006	MRPL14	6	44189488	1	2.073324
rs700006	MRPL14	6	44189488	6	1.125903
rs4714761	TMEM63B	6	44225585	2	2.945067
GA005842	TMEM63B	6	44225642	2	5.693886
SNP6-44255799	CAPN11	6	44255799	6	0.565411
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SNP6-44255799	CAPN11	6	44255799	3	0.364653
SNP6-44255799	CAPN11	6	44255799	8	0.936267
rs7761137	CAPN11	6	44259468	4	5.640891
rs7761137	CAPN11	6	44259468	6	0.514951
rs7761137	CAPN11	6	44259468	5	0.818046
rs28385699	NFKBIE	6	44334411	2	5.79193
rs516582	TCTE1	6	44358143	1	1.275276
rs516582	TCTE1	6	44358143	3	0.66779
rs2297336	TCTE1	6	44361743	3	0.72654
rs2297336	TCTE1	6	44361743	1	2.782166

rs324146	TCTE1	6	44363437	3	0.064809
rs2297334	CDC5L	6	44463377	5	0.482053
rs2297334	CDC5L	6	44463377	4	4.400266
rs2297333	CDC5L	6	44463401	5	4.104371
rs2297333	CDC5L	6	44463401	4	0.384058
rs2273666	CDC5L	6	44521441	5	0.317111
rs2273666	CDC5L	6	44521441	4	6.088178
rs9369514	SUPT3H	6	44905249	4	5.295085
rs9369514	SUPT3H	6	44905249	6	6.736938
rs9369514	SUPT3H	6	44905249	1	0.518262
rs9369514	SUPT3H	6	44905249	8	5.941869
rs9472463	SUPT3H	6	45398612	6	0.672514
rs11752816	ENPP4	6	46215271	1	3.829263
rs7451713	ENPP4	6	46215711	2	8.069451
rs7451713	ENPP4	6	46215711	3	0.621693
rs2295017	ENPP5	6	46235795	8	0.213263
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rs2295017	ENPP5	6	46235795	2	5.458597
rs2295017	ENPP5	6	46235795	3	0.492023
rs2295017	ENPP5	6	46235795	5	0.229977
rs3822892	ENPP5	6	46246574	1	4.604887
rs3799893	RCAN2	6	46297046	1	4.001679
rs3734655	RCAN2	6	46298476	1	4.062606
rs9381461	CYP39A1	6	46625701	7	0.204789
rs9381461	CYP39A1	6	46625701	2	0.752965
rs9381461	CYP39A1	6	46625701	4	0.519665
rs7761731	CYP39A1	6	46671776	8	0.697599
rs3757241	SLC25A27	6	46731657	1	5.207357
rs3757241	SLC25A27	6	46731657	4	1.049676
rs3799277	TDRD6	6	46765016	4	0.704608
rs3799277	TDRD6	6	46765016	1	5.41319
rs1805017	PLA2G7	6	46792181	8	5.171111
rs1805017	PLA2G7	6	46792181	5	6.505808
SNP6-46909178	MEP1A	6	46909178	4	4.700106
rs2277115	GPR110	6	47117910	4	0.107574
rs2277115	GPR110	6	47117910	7	4.650404
rs4715039	GPR111	6	47739269	1	3.837234
rs13212023	GPR111	6	47754707	5	2.45056
rs13212023	GPR111	6	47754707	7	0.767395
rs13212023	GPR111	6	47754707	8	1.46527
rs8180544	GPR111	6	47757181	7	0.792175
rs8180544	GPR111	6	47757181	8	2.203408
rs8180544	GPR111	6	47757181	4	1.545491
rs8180544	GPR111	6	47757181	1	6.342608
rs17541107	GPR111	6	47757224	7	0.327953
rs17541107	GPR111	6	47757224	4	0.922041
rs17541107	GPR111	6	47757224	5	0.970035

rs17541107	GPR111	6	47757224	1	5.853905
rs9296573	GPR111	6	47762701	1	1.906133
rs9369738	GPR115	6	47790563	7	0.213909
rs9381619	OPN5	6	47901250	3	1.116939
SNP6-49523407	MUT	6	49523407	7	6.660736
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rs699957	CRISP2	6	49789216	1	3.643142
rs699957	CRISP2	6	49789216	3	2.009039
rs1864312	CRISP3	6	49809398	1	0.787166
rs1864312	CRISP3	6	49809398	4	1.669552
rs495335	CRISP3	6	49809482	1	0.913628
rs495335	CRISP3	6	49809482	4	2.393839
rs780556	CRISP1	6	49910656	1	0.474033
rs12205497	CRISP1	6	49922338	3	0.471845
rs2857514	TFAP2B	6	50919242	3	0.329195
rs2857514	TFAP2B	6	50919242	7	3.392227
rs2857514	TFAP2B	6	50919242	1	4.83502
rs2857514	TFAP2B	6	50919242	8	0.319354
rs2784200	PKHD1	6	51589630	5	0.863587
rs2784200	PKHD1	6	51589630	7	0.665556
rs9381994	PKHD1	6	51591920	7	0.442625
rs4715227	PKHD1	6	51599843	7	3.781919
rs765525	PKHD1	6	51721136	3	0.442673
rs9349603	PKHD1	6	51828797	7	0.040688
rs12210295	PKHD1	6	51840766	3	0.014775
rs1266923	PKHD1	6	51932639	1	1.048061
rs6901799	PKHD1	6	52055216	3	0.815933
rs3748066	PAQR8	6	52375967	1	2.838633
rs17591381	PAQR8	6	52376849	3	0.507111
rs17591381	PAQR8	6	52376849	8	3.035111
rs3799274	PAQR8	6	52377005	8	4.81483
rs3799274	PAQR8	6	52377005	1	4.364509
rs3799274	PAQR8	6	52377005	7	1.586087
rs3799274	PAQR8	6	52377005	4	1.140511
rs655113	PAQR8	6	52377110	5	1.268634
rs655113	PAQR8	6	52377110	4	2.294585
rs655113	PAQR8	6	52377110	3	1.677314
rs655113	PAQR8	6	52377110	7	1.620289
rs3180068	PAQR8	6	52377644	2	4.654132
rs10484875	PAQR8	6	52377895	3	0.586866
rs10484875	PAQR8	6	52377895	8	7.734488
rs10807445	PAQR8	6	52378951	3	0.685156
rs1297	PAQR8	6	52380272	4	0.872175
rs1297	PAQR8	6	52380272	1	4.752144
rs1297	PAQR8	6	52380272	7	2.4091
rs3804506	EFHC1	6	52411250	7	0.024782
rs3804506	EFHC1	6	52411250	4	0.056585

rs3804506	EFHC1	6	52411250	1	2.852474
rs17851770	EFHC1	6	52465030	2	5.156635
rs17851770	EFHC1	6	52465030	5	0.546776
rs9474230	TRAM2	6	52474843	4	2.932587
rs9474230	TRAM2	6	52474843	6	0.399045
rs2670125	LOC730101	6	52637863	6	0.275407
rs2670125	LOC730101	6	52637863	1	0.143318
rs2670125	LOC730101	6	52637863	2	0.259723
rs2670125	LOC730101	6	52637863	4	0.638852
rs2180314	GSTA2	6	52725690	3	0.604224
rs2180314	GSTA2	6	52725690	6	1.60528
rs6458868	LOC647169	6	52738112	1	2.300321
rs405729	GSTA4	6	52950740	7	1.291741
rs405729	GSTA4	6	52950740	6	1.000511
rs405729	GSTA4	6	52950740	3	0.414364
rs405729	GSTA4	6	52950740	2	4.331174
rs2397142	LOC647190	6	53308258	6	1.791469
rs2397142	LOC647190	6	53308258	8	4.909222
rs2397142	LOC647190	6	53308258	7	0.026717
rs2397142	LOC647190	6	53308258	3	0.015505
rs2397142	LOC647190	6	53308258	2	3.681769
rs2397142	LOC647190	6	53308258	5	3.092944
rs209510	LOC647190	6	53309994	5	5.549961
rs209510	LOC647190	6	53309994	2	5.241598
rs209510	LOC647190	6	53309994	8	1.232584
rs4562128	LOC647190	6	53310565	6	3.737632
rs4562128	LOC647190	6	53310565	7	2.141345
rs4562128	LOC647190	6	53310565	3	0.692141
rs4562128	LOC647190	6	53310565	5	0.164177
rs4562128	LOC647190	6	53310565	2	4.787646
rs3823111	KLHL31	6	53624994	5	1.840928
rs3823111	KLHL31	6	53624994	4	0.02006
rs10948758	KLHL31	6	53627021	4	0.365918
rs10948758	KLHL31	6	53627021	7	0.37808
rs10948758	KLHL31	6	53627021	5	1.020931
rs10948758	KLHL31	6	53627021	3	0.008903
rs3799260	KLHL31	6	53627564	3	1.253087
rs3799260	KLHL31	6	53627564	7	0.641324
rs12210809	KLHL31	6	53627816	3	0.373687
rs17625497	C6orf142	6	53991802	1	0.825806
rs4712056	C6orf142	6	54097485	4	3.099342
rs4712056	C6orf142	6	54097485	8	3.501753
rs4712056	C6orf142	6	54097485	1	4.427091
rs3756990	BMP5	6	55728210	1	4.022151
rs41271330	BMP5	6	55746987	5	0.962147
rs41271330	BMP5	6	55746987	4	0.703901
rs41271330	BMP5	6	55746987	1	4.661813

rs41271330	BMP5	6	55746987	8	0.67149
rs3734444	BMP5	6	55847512	6	2.586885
rs3734444	BMP5	6	55847512	3	0.593618
rs3734444	BMP5	6	55847512	1	0.808067
rs35471617	COL21A1	6	56141053	5	0.26081
rs35471617	COL21A1	6	56141053	4	0.345551
rs6911502	LOC442221	6	56405527	1	5.489134
rs6911502	LOC442221	6	56405527	5	5.719144
rs6911502	LOC442221	6	56405527	2	5.123051
SNP6-56525504	DST	6	56525504	1	0.255536
SNP6-56525504	DST	6	56525504	2	3.23773
rs16888055	DST	6	56579954	2	6.843964
rs13193465	C6orf65	6	56928207	5	1.518704
rs13193465	C6orf65	6	56928207	1	1.446682
SNP6-57025479	KIAA1586	6	57025479	8	6.111075
SNP6-57025479	KIAA1586	6	57025479	4	4.202174
SNP6-57025479	KIAA1586	6	57025479	7	0.342481
rs1411578	RAB23	6	57162802	7	0.702935
rs1411578	RAB23	6	57162802	1	4.157578
rs1879	LOC727916	6	64339528	3	0.064903
rs913543	BAI3	6	70127894	7	2.531547
rs913543	BAI3	6	70127894	1	1.347821
rs913543	BAI3	6	70127894	6	2.962746
rs913543	BAI3	6	70127894	3	1.780106
rs9354880	LMBRD1	6	70464186	4	0.232407
rs9354880	LMBRD1	6	70464186	1	2.300965
rs1736	COL19A1	6	70973719	4	4.622727
rs1201814	COL19A1	6	70974694	1	0.10605
rs1201814	COL19A1	6	70974694	4	0.175918
rs9455190	LOC642590	6	71374681	8	3.088512
rs9455190	LOC642590	6	71374681	4	3.474129
rs9455190	LOC642590	6	71374681	2	3.852307
rs9455190	LOC642590	6	71374681	6	4.22343
rs2691511	LOC642590	6	71374792	2	0.786439
rs2691511	LOC642590	6	71374792	8	1.420719
rs2691511	LOC642590	6	71374792	6	1.172175
rs2691511	LOC642590	6	71374792	3	1.769994
rs17707714	SMAP1	6	71627601	1	4.262554
rs2273888	OGFRL1	6	72063233	6	0.555487
rs12214894	LOC642681	6	73397014	4	0.401404
rs12214894	LOC642681	6	73397014	7	1.019485
SNP6-73961278	KCNQ5	6	73961278	8	0.079366
SNP6-73961278	KCNQ5	6	73961278	4	0.740242
rs6927398	KHDC1	6	73991856	4	0.951197
rs496530	OOEP	6	74135745	4	3.361258
rs496530	OOEP	6	74135745	8	1.024137
rs496530	OOEP	6	74135745	3	1.310203

rs558198	DDX43	6	74161278	3	0.206641
rs311686	DDX43	6	74182596	3	1.228851
rs311686	DDX43	6	74182596	4	2.748591
rs311686	DDX43	6	74182596	2	5.158507
rs311686	DDX43	6	74182596	8	0.939079
rs311685	DDX43	6	74182609	3	0.74673
rs311685	DDX43	6	74182609	2	6.721981
rs311685	DDX43	6	74182609	8	0.539473
rs311685	DDX43	6	74182609	4	2.187418
rs311683	DDX43	6	74183662	8	0.431857
rs311683	DDX43	6	74183662	3	0.928328
rs311683	DDX43	6	74183662	4	0.625142
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rs3734518	SLC17A5	6	74361136	5	0.09259
rs3734518	SLC17A5	6	74361136	6	0.45353
rs3734518	SLC17A5	6	74361136	3	0.075046
rs3734518	SLC17A5	6	74361136	8	2.196215
rs3734518	SLC17A5	6	74361136	2	2.61958
rs3734518	SLC17A5	6	74361136	1	0.85136
rs2917862	CD109	6	74578668	3	1.104269
rs970547	COL12A1	6	75854022	4	0.017435
rs970547	COL12A1	6	75854022	7	0.483951
rs970547	COL12A1	6	75854022	1	3.171682
rs2951916	LOC643227	6	76231577	5	1.477146
rs3778005	IMPG1	6	76690105	2	4.926124
rs3778005	IMPG1	6	76690105	3	1.092419
rs3778005	IMPG1	6	76690105	4	0.689289
rs3734313	IMPG1	6	76697501	4	0.800691
rs3734313	IMPG1	6	76697501	3	0.771636
rs10943299	IMPG1	6	76697523	6	2.212297
rs10943299	IMPG1	6	76697523	7	1.816443
rs3734311	IMPG1	6	76717271	4	1.837307
rs6908105	IRAK1BP1	6	79651816	3	0.605786
rs6908105	IRAK1BP1	6	79651816	5	0.672558
rs16890805	LCA5	6	80252140	1	5.61123
rs2803195	LCA5	6	80285392	5	0.836723
rs2803195	LCA5	6	80285392	7	1.28241
rs343705	ELOVL4	6	80681249	4	1.790361
rs343705	ELOVL4	6	80681249	3	2.627269
rs7759915	LOC643562	6	80828706	5	0.210345
rs3967160	LOC643562	6	80834327	2	4.189678
rs3967160	LOC643562	6	80834327	1	4.205543
rs7758761	BCKDHB	6	81112018	2	3.653369
rs7740958	BCKDHB	6	81112132	2	0.051163
rs3812145	LOC728360	6	82611735	8	0.721024
rs3812145	LOC728360	6	82611735	3	1.278524
rs3812145	LOC728360	6	82611735	4	0.406619

rs3763244	LOC728360	6	82612340	6	2.166276
rs3763244	LOC728360	6	82612340	5	1.012468
rs3763244	LOC728360	6	82612340	2	6.363866
rs770911	TPBG	6	83131084	1	2.171133
rs770911	TPBG	6	83131084	4	0.079087
rs770911	TPBG	6	83131084	3	0.74844
rs4706975	UBE2CBP	6	83659302	2	0.003715
rs4706975	UBE2CBP	6	83659302	1	0.100444
rs7739323	UBE2CBP	6	83723764	5	0.195251
rs7739323	UBE2CBP	6	83723764	8	6.120896
rs9449776	C6orf117	6	84855778	1	5.065496
rs2875382	C6orf117	6	84855904	1	0.113755
rs9449777	C6orf117	6	84855950	1	5.489818
rs1045649	C6orf117	6	84856885	1	4.357343
rs3219	C6orf117	6	84857097	1	5.595146
rs3734451	LOC442233	6	85197118	3	1.479197
rs3857479	KRT18P30	6	86054896	5	3.407974
rs3812138	NT5E	6	86255952	1	2.913925
rs3812138	NT5E	6	86255952	4	0.598429
rs3812138	NT5E	6	86255952	7	0.458438
rs6631	CGA	6	87851978	2	2.654277
rs6631	CGA	6	87851978	1	0.011393
rs6631	CGA	6	87851978	8	0.581491
rs1055409	CGA	6	87852029	1	4.359517
rs1055409	CGA	6	87852029	8	0.898349
rs1055409	CGA	6	87852029	4	0.230419
rs3812132	ZNF292	6	88027020	8	0.121134
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rs3812132	ZNF292	6	88027020	4	0.410262
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rs3812132	ZNF292	6	88027020	3	0.180953
rs3812130	GJB7	6	88050480	7	0.081862
rs3812130	GJB7	6	88050480	3	1.567757
rs3812130	GJB7	6	88050480	8	1.157033
rs3812130	GJB7	6	88050480	4	4.866857
rs3812130	GJB7	6	88050480	2	2.833556
rs6934603	GJB7	6	88050734	2	3.956148
rs6934603	GJB7	6	88050734	4	0.213742
rs6934603	GJB7	6	88050734	3	0.62828
rs6934603	GJB7	6	88050734	8	2.293462
rs6934603	GJB7	6	88050734	7	0.909029
rs4707358	GJB7	6	88051291	8	0.54998
rs4707358	GJB7	6	88051291	7	0.842725
rs4707358	GJB7	6	88051291	2	3.018102
rs4707358	GJB7	6	88051291	4	0.179346
rs397516	C6orf162	6	88107771	8	2.411658
rs397516	C6orf162	6	88107771	7	0.603865



rs397516	C6orf162	6	88107771	2	4.401288
rs397516	C6orf162	6	88107771	4	0.865036
rs9353482	C6orf163	6	88131841	3	0.893514
rs16879281	C6orf165	6	88183142	3	0.374704
rs2307393	ORC3L	6	88419662	4	0.501118
rs806368	CNR1	6	88906819	4	0.07964
rs12720071	CNR1	6	88907900	2	1.900351
rs4707436	CNR1	6	88908470	1	0.138341
rs2610767	RNGTT	6	89378958	8	0.524078
rs1796743	GABRR1	6	89945463	1	0.483777
rs1796743	GABRR1	6	89945463	3	0.120287
rs282129	GABRR2	6	90024217	5	0.159382
rs282129	GABRR2	6	90024217	7	1.054187
rs282117	GABRR2	6	90038132	4	1.946431
rs282117	GABRR2	6	90038132	1	5.417687
rs282117	GABRR2	6	90038132	6	0.276338
rs282117	GABRR2	6	90038132	3	0.791086
rs282117	GABRR2	6	90038132	7	2.361145
rs10502	UBE2J1	6	90096389	2	3.974014
rs10502	UBE2J1	6	90096389	1	0.121631
SNP6-90397167	ANKRD6	6	90397167	1	4.495124
SNP6-90429295	MDN1	6	90429295	1	3.383485
rs9353689	MDN1	6	90447164	3	0.019685
rs9353689	MDN1	6	90447164	1	3.968876
rs34766278	MDN1	6	90453853	1	4.376006
rs4053618	MDN1	6	90516175	1	3.68176
rs4053618	MDN1	6	90516175	5	2.245904
rs1036853	MDN1	6	90556223	1	4.001228
rs292245	LOC644269	6	90652767	5	0.094737
rs17513276	BACH2	6	90694146	7	1.038689
rs17513276	BACH2	6	90694146	6	2.997537
rs17513276	BACH2	6	90694146	3	1.344113
rs1065272	BACH2	6	90695274	6	0.734256
rs1065272	BACH2	6	90695274	5	0.057219
rs1055403	BACH2	6	90695684	5	1.184388
rs17765013	BACH2	6	90698572	3	1.261112
rs17765013	BACH2	6	90698572	6	4.420907
rs17765013	BACH2	6	90698572	2	2.865944
rs9451298	BACH2	6	90717040	1	1.40713
rs9451298	BACH2	6	90717040	4	0.12529
rs1504215	BACH2	6	91062948	1	2.912495
rs2172710	MAP3K7	6	91282458	5	5.766475
rs2278106	EPHA7	6	94176940	8	1.232449
rs9387522	MANEA	6	96161656	1	4.174829
rs9387522	MANEA	6	96161656	3	0.056042
rs4078339	FUT9	6	96759092	7	0.934842
rs3934926	FUT9	6	96759929	7	0.079242

rs4275065	FUT9	6	96760199	7	1.336615
rs2273622	FHL5	6	97165288	7	2.918528
rs392127	GPR63	6	97354287	5	5.779983
rs392127	GPR63	6	97354287	1	7.501132
rs392127	GPR63	6	97354287	3	0.682244
rs35143662	KLHL32	6	97521670	5	0.433721
rs221527	C6orf168	6	99878261	6	0.266191
rs221527	C6orf168	6	99878261	8	0.726679
rs221527	C6orf168	6	99878261	7	1.833909
rs9376137	COQ3	6	99948777	5	0.865024
rs9376137	COQ3	6	99948777	1	4.511959
rs6915401	USP45	6	99987560	7	0.358451
rs13208607	USP45	6	99990236	7	0.914924
rs1323717	USP45	6	100069455	8	0.512451
rs3734346	PRDM13	6	100169487	8	1.71628
rs3734346	PRDM13	6	100169487	5	1.433669
rs6941007	LOC728012	6	100548632	6	2.370199
rs6941007	LOC728012	6	100548632	3	2.041941
rs6941007	LOC728012	6	100548632	1	2.437414
rs6941007	LOC728012	6	100548632	5	3.478802
rs985937	LOC442238	6	100647908	8	4.536067
rs985937	LOC442238	6	100647908	5	3.98364
rs985937	LOC442238	6	100647908	2	3.636825
rs985937	LOC442238	6	100647908	7	3.426714
rs985937	LOC442238	6	100647908	1	5.086316
rs13219623	LOC442239	6	100691055	3	1.332252
rs592436	LOC728098	6	101444875	1	4.334011
rs592436	LOC728098	6	101444875	6	3.664332
rs592436	LOC728098	6	101444875	4	3.120011
rs592436	LOC728098	6	101444875	3	4.5724
rs1890227	BVES	6	105651496	7	2.774318
rs1190281	POPDC3	6	105712558	8	1.750241
rs1190281	POPDC3	6	105712558	2	3.617429
rs1190282	POPDC3	6	105712685	8	5.616728
rs1149311	LOC728010	6	105857103	3	0.487652
rs1149311	LOC728010	6	105857103	7	0.132699
rs9486069	PREP	6	105928142	8	4.547241
rs9486069	PREP	6	105928142	7	0.912953
rs811925	PRDM1	6	106654065	2	1.43163
rs811925	PRDM1	6	106654065	7	2.145829
rs811925	PRDM1	6	106654065	3	0.16389
rs1010273	PRDM1	6	106661718	2	1.370748
rs1340623	AIM1	6	107066692	7	8.338721
rs1340623	AIM1	6	107066692	3	0.360436
SNP6-107098054	AIM1	6	107098054	7	0.251282
rs3101493	QRSL1	6	107222087	6	1.742
rs3101493	QRSL1	6	107222087	7	0.632657

rs3101493	QRSL1	6	107222087	8	3.707438
rs3101493	QRSL1	6	107222087	5	4.876743
rs3101493	QRSL1	6	107222087	2	1.759077
rs3734748	SOBP	6	108086368	7	1.245439
rs3734748	SOBP	6	108086368	1	0.648795
rs10554	SOBP	6	108087099	7	0.258963
rs10554	SOBP	6	108087099	1	0.012695
rs11751218	SCML4	6	108148494	3	2.391231
rs11751218	SCML4	6	108148494	1	0.005161
rs17282829	LOC642741	6	108432317	6	2.588567
rs17282829	LOC642741	6	108432317	4	2.255567
rs17282829	LOC642741	6	108432317	5	1.9835
rs17282829	LOC642741	6	108432317	1	2.056775
SNP6-108784670	LACE1	6	108784670	4	0.678548
rs9386758	ARMC2	6	109304072	1	5.360281
rs11153136	ARMC2	6	109340418	1	3.864264
rs3734649	ARMC2	6	109401445	7	0.38924
rs16822	SESN1	6	109414403	7	0.874897
rs949882	FLJ37396	6	109692755	4	1.091512
rs949882	FLJ37396	6	109692755	1	0.935273
rs949882	FLJ37396	6	109692755	7	0.847511
rs949882	FLJ37396	6	109692755	8	0.130554
rs949882	FLJ37396	6	109692755	2	0.044918
rs949882	FLJ37396	6	109692755	3	1.083175
rs9487048	C6orf184	6	109722296	7	0.797797
rs9487048	C6orf184	6	109722296	3	0.857748
rs9487048	C6orf184	6	109722296	4	0.13951
rs9400272	C6orf184	6	109723455	7	0.820389
rs9400272	C6orf184	6	109723455	3	0.173024
rs6568580	FLJ42177	6	109955796	1	0.075695
rs6568580	FLJ42177	6	109955796	2	1.72739
rs4354185	GPR6	6	110408354	7	0.552646
rs4354185	GPR6	6	110408354	4	0.646834
rs12210538	SLC22A16	6	110866701	6	3.237631
rs12210538	SLC22A16	6	110866701	3	0.344
rs12210538	SLC22A16	6	110866701	4	1.306582
rs12210538	SLC22A16	6	110866701	5	1.366557
rs723685	SLC22A16	6	110870568	2	2.971709
rs723685	SLC22A16	6	110870568	8	1.447312
rs714368	SLC22A16	6	110884821	3	0.476581
rs714368	SLC22A16	6	110884821	5	1.708301
rs1775125	LOC441166	6	111286311	2	0.881726
rs1775125	LOC441166	6	111286311	3	3.705132
rs1775125	LOC441166	6	111286311	4	4.857459
rs706956	LOC442244	6	111351509	3	2.088468
rs3204953	REV3L	6	111735319	5	0.366358
rs3218600	REV3L	6	111802592	1	4.881983

rs3218591	REV3L	6	111802822	5	0.399219
SNP6-112527208	LOC619208	6	112527208	6	6.38655
rs2213842	LOC619208	6	112530503	5	0.749835
rs2213842	LOC619208	6	112530503	4	0.998202
rs1050353	LAMA4	6	112542605	3	0.052426
rs11757455	LAMA4	6	112629545	2	5.863255
rs352091	FLJ34503	6	114348919	2	0.423063
rs352091	FLJ34503	6	114348919	1	0.530693
rs17791808	FLJ34503	6	114349112	1	2.259529
rs17791808	FLJ34503	6	114349112	5	2.374743
rs2282237	HS3ST5	6	114485663	3	0.718456
rs2282237	HS3ST5	6	114485663	1	1.20078
rs2105171	FRK	6	116369550	7	0.129703
rs2105171	FRK	6	116369550	3	0.276017
rs2105171	FRK	6	116369550	4	3.025273
rs1931895	TSPYL4	6	116679664	8	0.21126
rs1931895	TSPYL4	6	116679664	2	6.000155
rs2232470	TSPYL4	6	116681776	7	0.615779
rs2232470	TSPYL4	6	116681776	8	0.372521
rs2232470	TSPYL4	6	116681776	3	0.402466
rs2232470	TSPYL4	6	116681776	5	2.207518
rs3749895	TSPYL1	6	116707467	1	3.739313
rs3749895	TSPYL1	6	116707467	5	7.022563
rs3749895	TSPYL1	6	116707467	4	3.413765
SNP6-116827207	DSE	6	116827207	8	0.479682
SNP6-116891490	FAM26F	6	116891490	1	5.342959
SNP6-116891543	FAM26F	6	116891543	4	2.343848
SNP6-116891543	FAM26F	6	116891543	8	0.167597
SNP6-116986431	FAM26D	6	116986431	6	1.324518
rs6927567	RSHL3	6	117057427	1	0.591864
rs6927567	RSHL3	6	117057427	2	0.715912
rs6927567	RSHL3	6	117057427	8	0.246283
rs784133	RSHL3	6	117057526	3	0.044363
rs784133	RSHL3	6	117057526	6	0.062899
rs9488991	RSHL3	6	117058371	8	0.939166
rs6925922	RSHL3	6	117060762	1	0.427899
rs6925922	RSHL3	6	117060762	8	0.018
rs4946188	C6orf113	6	117079875	6	3.087348
rs4946188	C6orf113	6	117079875	1	1.007706
rs6901250	GPRC6A	6	117220718	3	0.367997
rs6924002	GPRC6A	6	117220916	1	2.990825
rs6901971	GPRC6A	6	117221096	3	0.577802
rs619203	ROS1	6	117728877	4	0.209888
rs619203	ROS1	6	117728877	8	6.248998
rs1998206	ROS1	6	117832141	3	0.114637
rs1045855	GOPC	6	117988902	4	7.271172
rs3752847	GOPC	6	118030372	7	3.343633

rs3734345	SLC35F1	6	118743735	1	0.366374
SNP6-118993654	C6orf204	6	118993654	3	0.389203
SNP6-118993654	C6orf204	6	118993654	5	0.317003
SNP6-118993654	C6orf204	6	118993654	8	5.417688
SNP6-118993996	C6orf204	6	118993996	5	4.446191
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rs1885125	MCM9	6	119297778	4	2.830504
rs1046226	MAN1A1	6	119541265	1	6.440079
rs1046226	MAN1A1	6	119541265	7	0.304038
rs1046226	MAN1A1	6	119541265	3	1.101686
rs1330107	LOC728727	6	120207436	2	3.539308
rs1330107	LOC728727	6	120207436	7	1.611621
rs1330107	LOC728727	6	120207436	3	0.26686
rs7745023	C6orf170	6	121619069	6	2.154916
rs7745023	C6orf170	6	121619069	4	9.038004
rs7745023	C6orf170	6	121619069	1	4.888471
rs7745023	C6orf170	6	121619069	5	0.443813
rs7767455	C6orf170	6	121684550	2	5.77323
rs7767455	C6orf170	6	121684550	7	1.881099
rs7767455	C6orf170	6	121684550	1	0.880505
rs6926219	HSF2	6	122762505	1	1.247767
rs13371	SERINC1	6	122806725	1	4.197452
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rs1132643	PKIB	6	123088715	3	0.631495
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rs28385609	SMPDL3A	6	123164163	1	3.458821
rs2295005	HINT3	6	126319923	5	3.303276
rs2295005	HINT3	6	126319923	7	1.956974
rs2295005	HINT3	6	126319923	3	0.006249
rs2295005	HINT3	6	126319923	2	5.286018
rs2295005	HINT3	6	126319923	8	7.700305
rs9388464	HINT3	6	126340957	3	0.272115
rs9388464	HINT3	6	126340957	5	0.101475
rs1892172	RSPO3	6	127518209	3	1.092101
rs3734446	KIAA0408	6	127804059	1	0.900627
rs2326593	KIAA0408	6	127805778	1	1.988116
rs2326593	KIAA0408	6	127805778	3	0.634255
rs2875982	KIAA0408	6	127805834	3	1.183553
rs2875982	KIAA0408	6	127805834	5	1.834557
rs17205908	KIAA0408	6	127805998	1	0.860779
rs6902288	KIAA0408	6	127810455	1	2.307176
rs6902288	KIAA0408	6	127810455	3	0.463311
rs3734447	C6orf174	6	127813145	3	0.473025

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rs3749877	LAMA2	6	129764082	7	0.768482
rs3749877	LAMA2	6	129764082	8	0.260177
rs3749878	LAMA2	6	129764118	7	1.141351
rs3749878	LAMA2	6	129764118	5	0.86612
rs2297738	LAMA2	6	129803805	1	5.29519
rs2229850	LAMA2	6	129849407	7	1.834474
rs2229850	LAMA2	6	129849407	3	0.517081
rs2229850	LAMA2	6	129849407	2	0.780233
rs1049476	LAMA2	6	129879303	3	0.313852
rs12197456	ARHGAP18	6	129946942	7	0.587377
rs12197456	ARHGAP18	6	129946942	5	0.028969
rs9375666	C6orf191	6	130194145	5	0.710378
rs7758540	C6orf191	6	130194172	6	1.700152
rs7758540	C6orf191	6	130194172	5	0.624847
rs7776426	C6orf191	6	130194213	5	1.342088
rs9492393	C6orf191	6	130196360	1	2.146176
rs1055374	SAMD3	6	130507242	4	0.224762
rs1055374	SAMD3	6	130507242	5	0.688606
rs3813360	TMEM200A	6	130803491	8	4.301595
rs3813359	TMEM200A	6	130803650	8	3.174929
rs3813359	TMEM200A	6	130803650	1	2.907218
rs4895896	LOC285733	6	131190024	5	0.354778
rs9402288	LOC285733	6	131190075	6	0.442837
rs9402288	LOC285733	6	131190075	1	3.333019
rs9402289	LOC285733	6	131190179	1	2.87915
rs4895897	LOC285733	6	131190234	8	0.945039
rs4895897	LOC285733	6	131190234	5	0.491192
rs942	LOC285733	6	131197919	1	5.172687
rs942	LOC285733	6	131197919	5	0.598486
rs714709	LOC285733	6	131199232	2	2.473947
SNP6-131220995	EPB41L2	6	131220995	3	0.054669
rs17059736	EPB41L2	6	131232531	1	5.573645
rs2781667	MED23	6	131936837	4	0.644141
rs2781667	MED23	6	131936837	5	4.669932
rs17601580	ENPP3	6	132103113	2	3.949115
rs1044548	ENPP1	6	132253456	6	0.32695
rs1044558	ENPP1	6	132253507	6	4.434198
rs1044558	ENPP1	6	132253507	8	2.835834
rs553	ENPP1	6	132253733	8	0.480615
rs553	ENPP1	6	132253733	6	0.341789
rs8192620	TAAR1	6	133007972	1	3.598375
rs8192620	TAAR1	6	133007972	7	4.073807
SNP6-133087595	VNN3	6	133087595	5	1.091623
SNP6-133087595	VNN3	6	133087595	7	0.050523
rs1883613	VNN2	6	133118756	5	0.043114

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rs11154699	RPS12	6	133177579	5	0.20585
rs11154699	RPS12	6	133177579	4	0.648846
rs11154699	RPS12	6	133177579	7	3.260375
rs11154699	RPS12	6	133177579	8	2.846545
rs9389034	SNORD100	6	133179703	7	0.58677
rs9389034	SNORD100	6	133179703	5	0.088965
rs9493627	EYA4	6	133831421	7	0.083724
rs9493627	EYA4	6	133831421	3	0.321858
rs3734279	EYA4	6	133891659	2	2.554869
rs3734279	EYA4	6	133891659	5	2.396868
rs3734279	EYA4	6	133891659	4	2.137047
rs3734279	EYA4	6	133891659	1	0.346192
rs12190287	TCF21	6	134256218	5	0.279151
rs35776966	SLC2A12	6	134350418	8	0.728693
rs35776966	SLC2A12	6	134350418	5	1.269594
rs1385066	SLC2A12	6	134352567	5	0.756842
rs17063228	SLC2A12	6	134353032	5	0.183552
rs7739722	HBS1L	6	135323918	1	3.381698
rs13196486	HBS1L	6	135325567	1	4.610268
rs13196486	HBS1L	6	135325567	4	2.192092
rs9399129	HBS1L	6	135326841	4	0.921432
rs4594969	HBS1L	6	135327279	1	4.506667
rs4594969	HBS1L	6	135327279	4	0.436912
rs1052502	AHI1	6	135648258	2	4.486923
rs35433555	AHI1	6	135809975	5	0.08219
rs1883818	GAPDHL19	6	135982174	6	0.93325
rs1883818	GAPDHL19	6	135982174	8	4.355521
rs1681	MAP7	6	136705641	6	0.037135
rs2076260	MAP3K5	6	137019261	5	0.299988
rs2076260	MAP3K5	6	137019261	4	0.628053
rs2076260	MAP3K5	6	137019261	3	0.629101
rs9321567	MAP3K5	6	137067959	1	2.487382
rs9321567	MAP3K5	6	137067959	3	0.526417
rs202566	IL22RA2	6	137506767	1	0.658152
rs28366	IL22RA2	6	137507780	6	3.33092
rs28366	IL22RA2	6	137507780	1	0.232146
rs28366	IL22RA2	6	137507780	2	1.477772
rs276466	IL22RA2	6	137508307	3	0.898023
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rs6901613	LOC442263	6	138069355	7	0.540727
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rs6901613	LOC442263	6	138069355	1	1.812097
rs6901613	LOC442263	6	138069355	5	2.392268
rs648802	PERP	6	138455026	2	5.01894
rs648802	PERP	6	138455026	8	0.841004
rs648802	PERP	6	138455026	4	0.57427

rs9402958	PBOV1	6	138579125	6	0.531959
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rs3813338	PBOV1	6	138579552	6	3.016813
rs11758517	PBOV1	6	138581249	6	0.6799
rs203145	KIAA1244	6	138656841	4	0.382728
rs203145	KIAA1244	6	138656841	7	0.080118
rs4598095	NHSL1	6	139065005	3	0.000793
rs1044418	REPS1	6	139271565	8	7.117168
rs3173082	HECA	6	139529529	6	3.674166
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rs3777668	HECA	6	139540868	8	0.76448
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rs17068451	TXLNB	6	139618429	6	0.342763
rs1131400	CITED2	6	139736754	8	3.966541
rs1131400	CITED2	6	139736754	4	8.565777
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rs2143390	GPR126	6	142744830	6	0.456602
rs2143390	GPR126	6	142744830	4	0.465654
rs2294773	GPR126	6	142807098	7	1.068795
rs2294773	GPR126	6	142807098	4	0.014239
rs2294774	GPR126	6	142807158	4	5.866317
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rs1138410	ADAT2	6	143788776	1	3.268526
rs1138410	ADAT2	6	143788776	5	0.241099
rs1138410	ADAT2	6	143788776	8	1.021354
rs1061220	ADAT2	6	143788963	5	0.426487
rs1061220	ADAT2	6	143788963	4	2.407993
rs6918444	C6orf94	6	144227107	3	0.338744
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rs6918444	C6orf94	6	144227107	1	0.700381
rs1049846	PLAGL1	6	144303173	3	4.38029
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rs12204734	UTRN	6	144893894	3	0.161968
rs4305737	UTRN	6	145093287	1	0.549159
rs399516	LOC645749	6	145852542	3	0.638695
rs2235481	EPM2A	6	146098541	8	0.367199
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rs2235481	EPM2A	6	146098541	4	0.503183
rs3811102	FBXO30	6	146167486	3	0.739022
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rs3811102	FBXO30	6	146167486	7	6.835349
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rs3811102	FBXO30	6	146167486	8	0.074621
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rs2942	GRM1	6	146796833	1	0.131062
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rs702346	SAMD5	6	147928911	4	1.602553
rs702347	SAMD5	6	147929262	4	1.081155
rs702347	SAMD5	6	147929262	3	2.462725
rs702347	SAMD5	6	147929262	8	0.570514
rs702347	SAMD5	6	147929262	7	0.682211
rs702349	SAMD5	6	147929715	1	2.704849
rs702349	SAMD5	6	147929715	5	2.440817
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rs702349	SAMD5	6	147929715	8	4.518041
rs702349	SAMD5	6	147929715	7	0.423338
rs702350	SAMD5	6	147930187	8	2.552652
rs702351	SAMD5	6	147930620	4	0.48433
rs702351	SAMD5	6	147930620	1	1.219561
rs2294787	SASH1	6	148896677	6	0.361552
rs7896	MAP3K7IP2	6	149773169	2	5.282527
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rs7896	MAP3K7IP2	6	149773169	4	3.815791
rs2744434	MAP3K7IP2	6	149773597	2	3.225476
rs7747948	ZC3H12D	6	149837215	5	1.294159
rs10872646	NUP43	6	150109368	5	0.506919
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rs10457852	LOC442267	6	150243413	4	1.355159
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rs4870078	LOC442267	6	150243505	4	0.388999
rs4870078	LOC442267	6	150243505	2	1.483895
rs4870078	LOC442267	6	150243505	6	0.357502
rs4870078	LOC442267	6	150243505	5	1.170112
rs9397053	LOC442267	6	150243726	1	0.466046
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rs9397053	LOC442267	6	150243726	8	1.887048
rs2342767	RAET1E	6	150251410	5	0.532276
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rs2342767	RAET1E	6	150251410	1	0.526869
rs2342767	RAET1E	6	150251410	6	2.796233
rs9371533	RAET1E	6	150252374	7	3.241453
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rs9371533	RAET1E	6	150252374	5	1.063609

rs9383921	RAET1E	6	150252378	1	1.062301
rs9383921	RAET1E	6	150252378	6	0.797978
rs9383921	RAET1E	6	150252378	2	1.314887
rs9383921	RAET1E	6	150252378	5	0.840554
rs2151910	RAET1E	6	150252816	8	6.799639
rs2151910	RAET1E	6	150252816	5	0.452817
rs9383583	RAET1E	6	150253696	1	5.067795
rs9383583	RAET1E	6	150253696	4	1.185639
rs9383583	RAET1E	6	150253696	8	5.657567
rs2076286	IYD	6	150761073	6	0.123877
rs2076285	IYD	6	150761097	6	0.543503
rs2076284	IYD	6	150761306	6	0.215621
rs675804	IYD	6	150761403	6	0.000619
rs675804	IYD	6	150761403	7	0.895561
rs675804	IYD	6	150761403	1	0.709046
rs675804	IYD	6	150761403	8	0.145886
rs672605	IYD	6	150762132	1	1.967898
rs672605	IYD	6	150762132	7	1.160262
rs9322260	IYD	6	150762187	1	0.112269
rs9322260	IYD	6	150762187	4	0.607839
rs9322260	IYD	6	150762187	6	0.961229
rs9322260	IYD	6	150762187	7	0.237374
rs601223	IYD	6	150762264	1	0.036119
rs601223	IYD	6	150762264	7	0.327968
rs660153	IYD	6	150762601	7	0.254682
rs660153	IYD	6	150762601	1	1.661694
rs587713	IYD	6	150762922	6	0.639374
rs657972	IYD	6	150763094	5	1.104255
rs657972	IYD	6	150763094	1	0.524512
rs657972	IYD	6	150763094	7	0.65193
rs657972	IYD	6	150763094	6	1.906041
rs6911086	IYD	6	150763138	6	0.927458
rs6911086	IYD	6	150763138	5	1.326882
rs6933986	IYD	6	150763808	5	0.041389
rs11758050	IYD	6	150763903	4	0.268042
rs11758050	IYD	6	150763903	7	1.112735
rs11758050	IYD	6	150763903	5	0.354141
rs7763368	IYD	6	150765309	5	0.201996
rs652042	IYD	6	150765757	8	2.911161
rs3734737	IYD	6	150766546	2	1.929545
rs3734737	IYD	6	150766546	7	0.806386
rs3734737	IYD	6	150766546	5	3.59436
rs3734737	IYD	6	150766546	4	0.230772
rs956440	IYD	6	150766971	7	0.218501
rs803413	RP1-44A20.4	6	151190770	4	0.056823
rs803413	RP1-44A20.4	6	151190770	7	0.402538
rs17080414	PLEKHG1	6	151206162	8	4.587243

rs9397027	PLEKHG1	6	151206457	3	0.316532
rs2294792	AKAP12	6	151668727	3	1.101382
rs2294792	AKAP12	6	151668727	4	0.579922
rs2294792	AKAP12	6	151668727	2	2.070489
rs2294792	AKAP12	6	151668727	8	2.231675
rs2294792	AKAP12	6	151668727	5	0.028452
rs3734799	AKAP12	6	151711865	2	5.529771
rs900654	AKAP12	6	151712590	2	2.506756
rs900654	AKAP12	6	151712590	8	3.924125
SNP6-151713978	AKAP12	6	151713978	7	5.757814
SNP6-151713978	AKAP12	6	151713978	2	1.248719
rs9478198	AKAP12	6	151715106	5	0.367344
rs12201388	AKAP12	6	151715282	2	2.056394
rs12201388	AKAP12	6	151715282	7	0.667216
SNP6-151715963	AKAP12	6	151715963	2	3.783418
SNP6-151715963	AKAP12	6	151715963	7	0.105121
rs1065310	RMND1	6	151767993	8	6.390764
rs1065310	RMND1	6	151767993	4	4.02969
rs3736175	RMND1	6	151814857	1	3.696655
rs13201167	C6orf211	6	151815197	4	0.66626
rs13201167	C6orf211	6	151815197	8	1.336213
rs13201167	C6orf211	6	151815197	1	0.530863
rs13201167	C6orf211	6	151815197	7	0.344048
rs13201167	C6orf211	6	151815197	2	0.745769
rs17081470	C6orf97	6	151955958	7	1.363786
rs17081470	C6orf97	6	151955958	5	0.720825
rs6929137	C6orf97	6	151978370	6	0.583692
rs6929137	C6orf97	6	151978370	3	0.93094
rs6929137	C6orf97	6	151978370	5	1.35922
rs6929137	C6orf97	6	151978370	7	1.190866
rs6932260	C6orf97	6	151981253	3	1.664458
rs6932260	C6orf97	6	151981253	6	4.694445
rs6932260	C6orf97	6	151981253	2	2.872073
rs6932260	C6orf97	6	151981253	1	2.714201
rs6904261	C6orf97	6	151981320	7	4.814558
rs6904261	C6orf97	6	151981320	5	0.288846
rs6904261	C6orf97	6	151981320	6	1.101802
rs6904261	C6orf97	6	151981320	3	0.671217
rs6932603	C6orf97	6	151981463	6	0.295854
rs6932603	C6orf97	6	151981463	1	0.364046
rs6932603	C6orf97	6	151981463	3	0.691218
rs6932603	C6orf97	6	151981463	2	5.604427
SNP6-151981566	C6orf97	6	151981566	3	0.126351
SNP6-151981566	C6orf97	6	151981566	1	1.145814
SNP6-151982713	C6orf97	6	151982713	7	1.183377
rs3734806	C6orf97	6	151983154	5	1.026133
rs3734806	C6orf97	6	151983154	7	0.937657

rs2077647	ESR1	6	152170770	5	3.517146
rs2077647	ESR1	6	152170770	4	2.40123
rs2228480	ESR1	6	152461788	2	3.048132
rs2228480	ESR1	6	152461788	4	0.700944
rs2228480	ESR1	6	152461788	3	0.739585
rs3798577	ESR1	6	152462823	6	1.977944
rs3798577	ESR1	6	152462823	2	4.074928
rs3798577	ESR1	6	152462823	4	0.149706
rs3798577	ESR1	6	152462823	3	0.43616
rs3798577	ESR1	6	152462823	5	1.428467
rs3798758	ESR1	6	152463547	5	3.513143
rs3798758	ESR1	6	152463547	8	1.706784
rs2295190	SYNE1	6	152485437	4	0.626396
rs2295190	SYNE1	6	152485437	5	0.140036
SNP6-152494984	SYNE1	6	152494984	3	0.164265
rs2747662	SYNE1	6	152508367	5	1.175151
rs2747662	SYNE1	6	152508367	4	0.64708
rs2747662	SYNE1	6	152508367	1	0.7005
rs2747662	SYNE1	6	152508367	3	0.292098
rs2252755	SYNE1	6	152510881	1	0.317801
rs2252755	SYNE1	6	152510881	3	0.349751
rs2252748	SYNE1	6	152511024	7	0.848612
rs2252748	SYNE1	6	152511024	5	0.634763
rs2252748	SYNE1	6	152511024	4	1.301128
rs2252748	SYNE1	6	152511024	1	0.700497
rs2252748	SYNE1	6	152511024	3	0.079268
rs12664753	SYNE1	6	152656893	2	3.167848
rs12664753	SYNE1	6	152656893	5	0.436768
rs12664753	SYNE1	6	152656893	7	0.508893
rs12664753	SYNE1	6	152656893	8	1.031567
rs2306916	SYNE1	6	152689374	4	6.360752
rs2306916	SYNE1	6	152689374	1	5.494886
rs2306916	SYNE1	6	152689374	7	0.227611
rs10499268	SYNE1	6	152694292	3	0.897606
rs28385621	SYNE1	6	152699834	3	0.417327
rs4645434	SYNE1	6	152706954	2	2.678715
rs4645434	SYNE1	6	152706954	1	0.1578
rs4645434	SYNE1	6	152706954	4	0.642522
rs4645434	SYNE1	6	152706954	6	1.704514
SNP6-152717547	SYNE1	6	152717547	1	0.539165
SNP6-152717547	SYNE1	6	152717547	6	0.006989
SNP6-152717547	SYNE1	6	152717547	4	1.107564
rs6913579	SYNE1	6	152735877	6	0.414569
rs6913579	SYNE1	6	152735877	1	0.386708
rs6913579	SYNE1	6	152735877	2	1.791189
rs6913579	SYNE1	6	152735877	4	2.240939
rs688136	VIP	6	153121754	6	4.440028

rs1713	FBXO5	6	153333616	6	4.168344
rs2073260	FBXO5	6	153338234	2	1.650827
rs2073260	FBXO5	6	153338234	4	0.027761
rs2073260	FBXO5	6	153338234	8	0.477236
rs2073260	FBXO5	6	153338234	1	0.488851
rs2073260	FBXO5	6	153338234	3	0.243215
rs2073262	LOC729616	6	153346281	2	3.514232
rs17085103	PIP3-E	6	154517641	7	0.589249
rs9479767	PIP3-E	6	154518220	3	0.075087
rs17277929	PIP3-E	6	154519605	1	1.138434
rs17277929	PIP3-E	6	154519605	5	0.112961
rs2236256	PIP3-E	6	154520132	3	0.185255
rs2236259	PIP3-E	6	154520585	3	0.558779
rs9371823	LOC646274	6	155070602	5	1.053287
rs931312	TIAM2	6	155493044	3	1.784721
rs931312	TIAM2	6	155493044	7	0.902198
rs931312	TIAM2	6	155493044	1	3.104946
rs41284214	TIAM2	6	155528211	1	4.256725
rs41284214	TIAM2	6	155528211	6	6.545592
rs1048584	TIAM2	6	155620291	5	0.021509
rs1048584	TIAM2	6	155620291	3	0.029488
rs1048584	TIAM2	6	155620291	8	7.604137
rs1048587	TIAM2	6	155620376	6	1.99312
rs9480098	CLDN20	6	155627017	4	0.288154
rs9480098	CLDN20	6	155627017	5	0.357353
rs9480098	CLDN20	6	155627017	2	5.831857
rs927718	CLDN20	6	155638593	3	0.91138
rs927718	CLDN20	6	155638593	8	0.702086
rs927718	CLDN20	6	155638593	5	0.874891
rs577	SNX9	6	158285023	7	5.70888
rs577	SNX9	6	158285023	1	3.181752
rs577	SNX9	6	158285023	6	1.001336
rs2296507	SYNJ2	6	158419290	7	0.794012
rs2296507	SYNJ2	6	158419290	5	0.224032
rs2502598	SYNJ2	6	158439177	7	9.018729
rs4478433	TULP4	6	158653875	6	0.33233
rs9456307	TULP4	6	158849430	6	0.955946
rs3749854	TULP4	6	158849477	6	0.473545
rs3749854	TULP4	6	158849477	4	0.127176
rs3749854	TULP4	6	158849477	5	0.238601
rs6880	TULP4	6	158852805	8	0.39082
rs6880	TULP4	6	158852805	3	0.066979
rs6880	TULP4	6	158852805	5	0.234853
rs6880	TULP4	6	158852805	4	0.441006
rs3123101	SYTL3	6	159105551	6	0.026585
rs3123101	SYTL3	6	159105551	4	5.648347
rs3123101	SYTL3	6	159105551	8	0.577811

rs3123101	SYTL3	6	159105551	3	0.961527
rs34582178	RSPH3	6	159327434	4	6.003238
rs34582178	RSPH3	6	159327434	3	1.383274
rs34582178	RSPH3	6	159327434	1	4.887185
rs41267753	RSPH3	6	159327435	7	1.89268
rs4709266	TAGAP	6	159376254	4	0.817781
rs4709266	TAGAP	6	159376254	3	0.400758
rs4709266	TAGAP	6	159376254	7	1.023849
rs2235822	TAGAP	6	159376830	3	0.077452
rs2235822	TAGAP	6	159376830	4	1.279548
rs1738074	TAGAP	6	159385965	4	0.287632
rs1738074	TAGAP	6	159385965	5	0.01797
rs1738074	TAGAP	6	159385965	1	0.560498
rs509648	FNDC1	6	159570966	8	1.536001
SNP6-159575074	FNDC1	6	159575074	4	1.297731
SNP6-159575373	FNDC1	6	159575373	4	2.540841
SNP6-159580869	FNDC1	6	159580869	4	0.303244
rs551392	FNDC1	6	159592409	8	6.246986
rs551392	FNDC1	6	159592409	5	4.453884
rs294899	FNDC1	6	159592445	5	3.650544
rs294899	FNDC1	6	159592445	4	0.234611
rs550443	FNDC1	6	159592532	8	1.96276
rs550443	FNDC1	6	159592532	5	0.589665
rs419009	FNDC1	6	159612586	4	5.074878
rs5746136	SOD2	6	160023074	4	4.326375
rs5746136	SOD2	6	160023074	5	0.142504
rs9347344	ACAT2	6	160118349	5	0.832745
rs3818299	SNORA29	6	160126621	8	6.099087
rs3818299	SNORA29	6	160126621	3	0.852574
rs3818299	SNORA29	6	160126621	5	5.527515
rs1128670	MRPL18	6	160131626	8	5.443382
rs1128670	MRPL18	6	160131626	3	2.900729
rs8191808	IGF2R	6	160389500	7	0.160838
rs614754	IGF2R	6	160425189	8	7.0083
rs1888727	LOC729603	6	160434531	8	0.999511
rs1888727	LOC729603	6	160434531	3	1.177737
rs1888727	LOC729603	6	160434531	4	3.701976
rs1888727	LOC729603	6	160434531	5	1.521024
rs1803989	IGF2R	6	160437471	4	0.991821
rs1803989	IGF2R	6	160437471	2	4.662958
rs1867351	SLC22A1	6	160463113	1	0.732163
rs1867351	SLC22A1	6	160463113	4	0.246118
rs1867351	SLC22A1	6	160463113	3	0.224164
rs1867351	SLC22A1	6	160463113	5	2.290537
rs12208357	SLC22A1	6	160463138	7	0.379327
rs624249	SLC22A2	6	160599390	5	1.57391
rs2292334	SLC22A3	6	160778178	1	2.672586

rs2292334	SLC22A3	6	160778178	5	0.776972
rs3088441	SLC22A3	6	160792599	1	5.003026
rs2076828	SLC22A3	6	160792776	6	0.04151
rs2076828	SLC22A3	6	160792776	4	0.225573
rs2076828	SLC22A3	6	160792776	5	1.129738
rs2076828	SLC22A3	6	160792776	8	0.633545
rs2076828	SLC22A3	6	160792776	3	1.559853
rs14224	PLG	6	161057769	3	0.338477
rs9458136	AGPAT4	6	161471208	3	0.238483
rs9458136	AGPAT4	6	161471208	2	4.612983
rs11759408	AGPAT4	6	161474798	7	1.37093
rs11759408	AGPAT4	6	161474798	5	0.678759
rs3734462	AGPAT4	6	161477652	8	4.56966
rs6934457	RIPPLY2	6	161502525	1	0.570556
rs6934457	RIPPLY2	6	161502525	2	1.213004
rs6934457	RIPPLY2	6	161502525	3	0.712736
rs6934457	RIPPLY2	6	161502525	5	0.24188
rs9306	PACRG	6	163656194	4	0.344927
rs3756879	QKI	6	163910298	4	0.304069
rs3756879	QKI	6	163910298	3	0.077971
rs1511746	PDE10A	6	165721780	6	1.202823
rs220740	PDE10A	6	165752217	1	4.126447
rs9459553	LOC346085	6	166398372	5	0.562893
rs3099270	T	6	166491515	3	2.311252
rs3099270	T	6	166491515	1	2.185036
rs16898752	T	6	166491543	3	2.504067
rs16898752	T	6	166491543	6	3.328946
rs16898752	T	6	166491543	2	2.351457
rs16898752	T	6	166491543	1	2.642891
rs3127328	T	6	166492035	6	3.99092
rs2305089	T	6	166499260	1	0.507089
rs2305089	T	6	166499260	6	0.321804
rs2305089	T	6	166499260	5	0.124196
rs3099266	T	6	166501137	5	0.392816
rs3099266	T	6	166501137	3	0.373367
rs1546854	BRP44L	6	166716423	7	0.414894
rs1546854	BRP44L	6	166716423	5	3.558116
rs2984	RPS6KA2	6	166746011	5	0.519552
rs2984	RPS6KA2	6	166746011	7	1.000589
rs2984	RPS6KA2	6	166746011	6	4.351451
rs2984	RPS6KA2	6	166746011	1	3.34669
rs6911624	LOC645468	6	167034039	5	0.359856
rs6911624	LOC645468	6	167034039	3	1.895436
rs6911624	LOC645468	6	167034039	1	2.800977
rs3817828	LOC645468	6	167036150	6	4.358297
rs3817828	LOC645468	6	167036150	4	1.264854
rs3817828	LOC645468	6	167036150	2	4.520624

rs3817828	LOC645468	6	167036150	8	0.136906
rs3817828	LOC645468	6	167036150	5	3.81434
rs3093007	CCR6	6	167469765	4	0.538638
rs3093007	CCR6	6	167469765	1	2.552467
rs2071171	CCR6	6	167470032	1	3.465876
rs2071171	CCR6	6	167470032	7	1.116174
rs2071171	CCR6	6	167470032	3	1.059698
rs2071171	CCR6	6	167470032	8	0.55613
rs3093006	CCR6	6	167471442	5	2.142008
rs2076005	UNC93A	6	167624934	3	0.586837
rs2076005	UNC93A	6	167624934	1	2.036871
rs909545	TTLL2	6	167674651	3	1.922284
rs909546	TTLL2	6	167674692	3	0.579309
rs909546	TTLL2	6	167674692	7	0.206361
rs909546	TTLL2	6	167674692	6	0.111568
rs909546	TTLL2	6	167674692	2	1.043707
SNP6-167674700	TTLL2	6	167674700	1	1.97023
SNP6-167674700	TTLL2	6	167674700	6	0.725444
rs2981978	TTLL2	6	167675423	3	0.726146
rs3213590	MLLT4	6	168058827	5	0.390314
rs9364373	MLLT4	6	168106838	3	7.316446
rs9364373	MLLT4	6	168106838	1	6.027478
rs9364373	MLLT4	6	168106838	7	3.097444
rs1415	MLLT4	6	168107720	3	0.15567
rs1415	MLLT4	6	168107720	1	4.312515
rs1415	MLLT4	6	168107720	7	0.787423
rs1044292	MLLT4	6	168114604	5	0.668104
rs2171982	C6orf54	6	168137269	6	0.705928
rs1132782	THBS2	6	169358348	7	0.752693
rs7382711	THBS2	6	169363461	1	4.315747
rs7382711	THBS2	6	169363461	4	0.680325
rs7382711	THBS2	6	169363461	5	1.173831
rs34987335	THBS2	6	169376821	2	2.664607
rs6941625	WDR27	6	169724852	8	0.29718
rs6941625	WDR27	6	169724852	7	0.21839
rs6941625	WDR27	6	169724852	4	0.245048
rs6941625	WDR27	6	169724852	5	0.588425
rs9478086	WDR27	6	169793974	8	1.380154
rs9478086	WDR27	6	169793974	1	5.019065
rs4716383	C6orf120	6	169844192	5	0.338791
rs13194101	TCTE3	6	169885225	4	1.480303
rs3807067	C6orf122	6	169932125	7	0.674205
rs3807067	C6orf122	6	169932125	2	1.728085
rs3807067	C6orf122	6	169932125	1	0.611696
rs3807067	C6orf122	6	169932125	5	3.384365
rs3734776	DLL1	6	170434870	7	0.339495
rs17860736	FAM120B	6	170457833	8	1.105422



rs17860736	FAM120B	6	170457833	3	0.140406
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rs12717	PSMB1	6	170704225	6	0.160394
rs12189695	PDCD2	6	170732968	5	1.158089
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rs4720951	HEATR2	7	776745	3	0.62177
rs3922641	HEATR2	7	781314	3	0.17636
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rs3922641	HEATR2	7	781314	8	1.517995
rs3922641	HEATR2	7	781314	2	0.088579
rs9458	HEATR2	7	792020	4	0.313925
rs13171	C7orf20	7	897215	5	4.464716
rs13171	C7orf20	7	897215	4	0.134708
SNP7-906707	CENTA1	7	906707	2	0.573081
rs8591	C7orf50	7	1003325	5	5.850382
rs11761941	GPR146	7	1063709	6	0.759067
rs3808351	GPER	7	1093185	5	0.563083
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rs3802141	GPER	7	1097882	1	1.734683
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rs1133043	GPER	7	1099831	4	5.08356
rs1133043	GPER	7	1099831	2	6.158295
rs1133122	ZFAND2A	7	1159098	1	0.27911
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rs2895	LFNG	7	2535296	6	0.530562

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rs3735110	IQCE	7	2616345	3	0.441466
rs3823603	IQCE	7	2616749	5	0.200536
rs3823603	IQCE	7	2616749	3	0.112098
rs13188	TTYH3	7	2669990	2	4.444453
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rs7776970	AMZ1	7	2719013	2	2.707928
rs7778736	AMZ1	7	2719458	1	1.213073
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rs7778736	AMZ1	7	2719458	5	0.260614
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rs7776735	HDAC9	7	19003434	3	0.447643
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rs6461515	ABCB5	7	20745171	5	0.042351
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rs17500863	HOXA6	7	27152045	8	0.734568
rs17500987	HOXA9	7	27169710	8	5.927074
rs17501090	HOXA11	7	27187979	4	3.162914
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rs757181	HOXA13	7	27203483	1	1.385598
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rs10231810	WIPF3	7	29911451	1	0.131566
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rs3217972	AEBP1	7	44120393	5	2.524892

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rs2461127	ADCY1	7	45724331	3	0.184141
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rs12754	ADCY1	7	45727719	4	0.416776
rs3735666	ADCY1	7	45728477	4	0.601138

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rs11238248	DKFZp564N2472	7	53071065	3	0.25651
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rs9642239	LOC441233	7	57474574	3	0.336954
rs13229184	LOC441233	7	57475757	3	1.376704
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rs2017252	ZNF273	7	64026524	2	5.466488
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rs3807068	NULL	7	64077048	7	1.613942
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rs3815684	LOC285908	7	65480430	7	0.968429
rs6950137	LOC641765	7	65614045	2	2.493987
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rs6950137	LOC641765	7	65614045	5	1.45965
rs4718382	KCTD7	7	65742344	7	0.984374
rs9791713	KCTD7	7	65742633	5	3.554128
rs41303396	TYW1	7	66101373	4	0.532417
rs7776775	TYW1	7	66285634	6	0.092833
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rs1051921	MLXIPL	7	72645879	5	0.203569
rs35332062	MLXIPL	7	72649978	3	1.950986
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rs1376	WBSCR18	7	72733375	3	0.320499
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rs4717803	WBSCR18	7	72733580	4	0.226816
rs4717803	WBSCR18	7	72733580	3	0.4769
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rs1569061	STX1A	7	72752417	8	6.704192
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rs5874	CLIP2	7	73457960	4	0.66783
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rs11465293	CCL24	7	75280659	1	3.892218
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rs2302435	STYXL1	7	75514923	5	0.573368



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rs2040957	SEMA3D	7	84464324	6	0.667835
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rs10261725	SEMA3D	7	84465167	5	1.207529

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rs7800072	SEMA3D	7	84466925	5	0.49619
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rs2293583	MGC26647	7	88261817	3	0.715747
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rs194527	STEAP2	7	89700620	6	1.86203
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rs194528	STEAP2	7	89700934	7	7.399461
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rs3810874	CLDN12	7	89880793	3	0.230754
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rs11771034	PFTK1	7	90675152	3	0.407702
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rs1029357	SAMD9L	7	92600617	7	0.269733
rs1801197	CALCR	7	92893689	3	0.844629
rs4264	TFPI2	7	93354013	7	0.293767
rs4262	GNG11	7	93389364	1	0.093282
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rs3750105	PEG10	7	94132618	6	4.510785
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rs13073	PEG10	7	94134705	4	0.893562
rs11764692	PPP1R9A	7	94758928	6	0.593458
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rs3177186	ARPC1B	7	98822335	2	4.274952
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rs10282706	ZNF498	7	99055360	1	4.651949
rs10282706	ZNF498	7	99055360	4	0.897585
rs10282706	ZNF498	7	99055360	6	0.412681
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rs941287	GATS	7	99645409	1	6.148053
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rs7783159	ZCWPW1	7	99855390	1	3.348976
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rs7783159	ZCWPW1	7	99855390	6	1.017855
rs7783159	ZCWPW1	7	99855390	4	4.794516

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rs12539172	C7orf51	7	99929731	3	0.922667
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rs542137	ZAN	7	100211013	5	0.356107
rs539445	ZAN	7	100211303	4	0.641629
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rs2718131	KIAA1549	7	138253456	2	0.495955
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rs10265929	ZC3HAV1L	7	138361443	1	5.59801
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rs4074826	LOC653052	7	139062429	7	9.409945
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rs1128589	SLC37A3	7	139680763	2	1.708214
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rs10233245	SSPO	7	149149081	3	1.472874
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rs2072443	TMEM176B	7	150121309	4	0.726445
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rs4725373	ABP1	7	150188555	1	1.303761
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rs1062610	VIPR2	7	158513936	4	4.490772
rs885861	VIPR2	7	158514308	5	0.640216
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rs10105657	LOC389607	8	597251	8	1.99606
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rs11781283	ERICH1	8	671206	7	0.541789
rs11781283	ERICH1	8	671206	3	0.317252
rs2977176	DLGAP2	8	1638203	7	0.049459
rs2977176	DLGAP2	8	1638203	5	0.35649
rs7830545	DLGAP2	8	1643725	1	0.513927
rs7830545	DLGAP2	8	1643725	7	0.163843

rs3812477	NULL	8	1721859	7	0.091926
rs3812477	NULL	8	1721859	1	6.787576
rs3812477	NULL	8	1721859	3	0.406206
rs3812477	NULL	8	1721859	4	0.828914
rs3812477	NULL	8	1721859	6	6.671986
rs1043228	KBTBD11	8	1942219	4	0.027864
rs1043228	KBTBD11	8	1942219	5	2.359946
rs2235122	MYOM2	8	2027705	7	1.186366
rs968381	MYOM2	8	2036238	5	0.533027
rs583087	CSMD1	8	2783242	3	0.587923
rs667859	CSMD1	8	2808152	7	0.14714
rs667859	CSMD1	8	2808152	5	0.074592
rs667595	CSMD1	8	2819546	5	2.414661
rs2161752	CSMD1	8	3188284	4	4.34392
rs1512803	LOC392180	8	5694401	4	2.83992
rs1512803	LOC392180	8	5694401	1	2.875648
rs1512803	LOC392180	8	5694401	5	4.110228
rs3020221	ANGPT2	8	6366171	1	1.875113
rs3020221	ANGPT2	8	6366171	5	0.218162
rs3020221	ANGPT2	8	6366171	4	0.378107
rs3739390	ANGPT2	8	6407898	7	0.12853
rs3739391	ANGPT2	8	6407942	3	0.225867
rs3739391	ANGPT2	8	6407942	7	0.05337
rs2912010	MCPH1	8	6466394	1	0.092111
rs2912010	MCPH1	8	6466394	6	2.641692
rs2912010	MCPH1	8	6466394	3	1.010729
rs2912010	MCPH1	8	6466394	2	1.375712
rs2912010	MCPH1	8	6466394	8	3.102255
rs2433149	MCPH1	8	6488159	2	1.565996
rs2433149	MCPH1	8	6488159	6	4.000735
rs2433149	MCPH1	8	6488159	1	0.194026
rs2433149	MCPH1	8	6488159	4	0.02318
rs17078203	XKR5	8	6653898	1	1.873154
rs2741098	XKR5	8	6677686	3	0.585057
rs2741098	XKR5	8	6677686	1	1.008234
rs2741098	XKR5	8	6677686	6	0.045184
rs2741098	XKR5	8	6677686	7	5.248542
rs1800971	DEFB1	8	6715526	3	0.572223
rs1800971	DEFB1	8	6715526	8	1.901454
rs1800972	DEFB1	8	6722833	5	0.508729
rs4840952	PRAGMIN	8	8271487	3	0.199195
rs4840952	PRAGMIN	8	8271487	6	0.265473
rs4840952	PRAGMIN	8	8271487	1	5.186792
rs2921005	PRAGMIN	8	8271523	4	5.969667
rs4840953	PRAGMIN	8	8271602	3	0.177306
rs4840953	PRAGMIN	8	8271602	1	5.266657
rs4840953	PRAGMIN	8	8271602	6	1.321812

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SNP8-8272124	PRAGMIN	8	8272124	1	4.861032
rs9644774	CLDN23	8	8597242	6	0.605248
rs9644774	CLDN23	8	8597242	1	0.121836
rs12153	CLDN23	8	8598319	5	6.619199
rs12153	CLDN23	8	8598319	4	5.788966
rs12153	CLDN23	8	8598319	3	0.756286
rs2288672	THEX1	8	8898030	4	0.008624
rs2288672	THEX1	8	8898030	1	4.161806
rs11777327	PPP1R3B	8	9033739	8	3.878113
rs330922	PPP1R3B	8	9035208	1	4.169129
rs330922	PPP1R3B	8	9035208	3	0.718059
rs35052906	TNKS	8	9605110	5	0.286344
rs13265931	TNKS	8	9646741	3	0.876518
rs4841215	TNKS	8	9675718	5	0.72229
rs7816990	RP1L1	8	10501354	1	3.470366
rs7816990	RP1L1	8	10501354	3	0.175083
rs7816990	RP1L1	8	10501354	5	0.14287
rs12542071	RP1L1	8	10501571	1	2.614762
rs12542075	RP1L1	8	10501616	1	1.270442
rs12542104	RP1L1	8	10501717	3	0.191399
rs12542104	RP1L1	8	10501717	1	0.864698
rs4840499	RP1L1	8	10504986	7	0.325537
rs1139843	SOX7	8	10619507	1	6.514416
rs3021494	C8orf15	8	11020944	1	5.254822
rs3021494	C8orf15	8	11020944	6	0.969352
rs2164272	MTMR9	8	11199906	1	9.114264
rs2164272	MTMR9	8	11199906	6	1.064917
rs6995404	MTMR9	8	11219558	1	4.936868
rs6995404	MTMR9	8	11219558	8	0.967213
rs6995404	MTMR9	8	11219558	5	4.587377
rs3021511	C8orf13	8	11318295	4	0.652221
rs3021511	C8orf13	8	11318295	1	2.38675
rs2409764	C8orf13	8	11318683	1	1.084142
rs2409764	C8orf13	8	11318683	6	2.777294
rs2409764	C8orf13	8	11318683	2	0.566333
rs2409764	C8orf13	8	11318683	7	1.436047
rs922483	BLK	8	11389321	3	0.235049
rs1042689	BLK	8	11459202	1	0.040735
rs1042689	BLK	8	11459202	5	0.23488
rs1042689	BLK	8	11459202	3	0.62606
rs1062219	GATA4	8	11653819	6	2.3834
rs1062219	GATA4	8	11653819	7	1.314667
rs12458	GATA4	8	11654649	7	0.966684
rs12458	GATA4	8	11654649	1	2.077813
rs1534862	NEIL2	8	11681212	6	3.040343
rs1534862	NEIL2	8	11681212	4	1.167279

rs1534862	NEIL2	8	11681212	7	1.89204
rs1534862	NEIL2	8	11681212	3	3.17412
rs1534862	NEIL2	8	11681212	1	3.857031
rs8191667	NEIL2	8	11681225	4	0.943478
rs8191667	NEIL2	8	11681225	1	4.989157
rs8191667	NEIL2	8	11681225	7	0.291235
rs709821	CTSB	8	11740003	7	0.292017
rs709821	CTSB	8	11740003	1	3.076564
rs1139354	LONRF1	8	12645091	3	0.020504
rs622106	C8orf79	8	12923048	5	1.262872
rs622106	C8orf79	8	12923048	2	0.368819
SNP8-12923178	C8orf79	8	12923178	8	0.879342
SNP8-12923178	C8orf79	8	12923178	7	0.058378
SNP8-12923178	C8orf79	8	12923178	2	0.175336
SNP8-12923178	C8orf79	8	12923178	1	0.555759
SNP8-12923178	C8orf79	8	12923178	5	0.672555
rs3739308	C8orf79	8	12923353	4	3.927506
SNP8-12923470	C8orf79	8	12923470	7	0.250261
rs608909	C8orf79	8	12923705	7	0.147429
rs608909	C8orf79	8	12923705	5	0.475091
rs608909	C8orf79	8	12923705	2	4.203588
rs608052	C8orf79	8	12923910	7	0.205828
rs475181	C8orf79	8	12924148	5	1.907913
rs475181	C8orf79	8	12924148	7	0.168482
rs475181	C8orf79	8	12924148	2	2.463426
rs472347	C8orf79	8	12924476	2	2.696785
rs579024	C8orf79	8	12924892	2	0.975281
rs578076	C8orf79	8	12924999	1	1.446407
rs1044011	DLC1	8	12986080	4	0.425828
rs1044011	DLC1	8	12986080	1	3.622943
rs2027	DLC1	8	12986713	1	3.403709
rs486596	DLC1	8	12986881	3	0.229249
rs658856	DLC1	8	12996664	1	4.152335
rs658856	DLC1	8	12996664	6	1.071767
rs13273355	C8orf48	8	13468954	6	0.430567
rs9650391	MSR1	8	16010913	3	0.575564
rs17624989	EFHA2	8	17024400	3	0.010413
rs17624989	EFHA2	8	17024400	8	0.436072
rs4921756	MTMR7	8	17243324	2	1.520055
rs4921756	MTMR7	8	17243324	6	0.410344
rs6586610	SLC7A2	8	17467787	5	0.993739
rs6586610	SLC7A2	8	17467787	2	3.700063
rs10481	MTUS1	8	17545845	8	0.213092
rs1043883	MTUS1	8	17547711	6	0.80238
rs1043883	MTUS1	8	17547711	7	9.300392
rs1043883	MTUS1	8	17547711	4	1.894869
rs1043883	MTUS1	8	17547711	2	4.109464

rs1043883	MTUS1	8	17547711	1	0.03988
rs1043883	MTUS1	8	17547711	3	0.249459
rs437548	MTUS1	8	17599309	3	0.316163
rs437548	MTUS1	8	17599309	6	0.469813
rs10283	PCM1	8	17929686	8	0.260259
rs10283	PCM1	8	17929686	7	1.231635
rs10283	PCM1	8	17929686	1	4.975633
rs13263632	ASAH1	8	17986484	7	0.296047
rs1041983	NAT2	8	18302075	3	0.392723
rs1041983	NAT2	8	18302075	5	0.008328
rs1799929	NAT2	8	18302274	2	3.08426
rs1799930	NAT2	8	18302383	5	0.546994
rs8695	PSD3	8	18432534	3	3.039732
rs901934	PSD3	8	18435454	7	0.118283
rs2306825	PSD3	8	18701085	6	0.504076
rs2306825	PSD3	8	18701085	7	0.313334
rs2306825	PSD3	8	18701085	3	1.124304
rs13263453	PSD3	8	18773776	3	12.08592
rs13263453	PSD3	8	18773776	4	5.925835
SNP8-18774097	PSD3	8	18774097	5	0.690658
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SNP8-18774097	PSD3	8	18774097	3	0.454231
rs1574288	SH2D4A	8	19234771	4	0.199158
rs1574288	SH2D4A	8	19234771	3	0.196497
rs1574288	SH2D4A	8	19234771	5	3.625438
SNP8-19265980	SH2D4A	8	19265980	5	5.056275
SNP8-19265980	SH2D4A	8	19265980	2	9.271598
SNP8-19265980	SH2D4A	8	19265980	4	0.30582
SNP8-19849988	LPL	8	19849988	8	2.514211
rs1121923	LPL	8	19853715	6	1.218205
rs4922115	LPL	8	19867110	4	2.231426
rs4922115	LPL	8	19867110	1	0.101546
rs4922115	LPL	8	19867110	5	1.961666
rs4922115	LPL	8	19867110	8	2.142736
rs3208305	LPL	8	19867928	1	0.418774
rs3208305	LPL	8	19867928	8	4.109933
rs3208305	LPL	8	19867928	5	0.558568
rs3208305	LPL	8	19867928	2	0.891428
rs3208305	LPL	8	19867928	4	0.046821
rs15285	LPL	8	19868947	5	0.396172
rs15285	LPL	8	19868947	4	0.222792
rs15285	LPL	8	19868947	1	0.622603
rs2270637	SLC18A1	8	20081107	5	0.603869
rs2270637	SLC18A1	8	20081107	3	1.133658
rs2270637	SLC18A1	8	20081107	1	0.434316
rs2270637	SLC18A1	8	20081107	6	0.473323
rs1075	LZTS1	8	20149265	3	0.074829

rs1075	LZTS1	8	20149265	4	0.657388
rs732338	LZTS1	8	20150660	4	1.231077
rs732338	LZTS1	8	20150660	7	0.539596
rs732338	LZTS1	8	20150660	2	1.488075
rs904002	LZTS1	8	20151154	7	1.375592
rs732337	LZTS1	8	20151170	7	0.264427
rs2306646	XPO7	8	21902532	4	0.326256
rs2306646	XPO7	8	21902532	7	0.008739
rs2306646	XPO7	8	21902532	8	0.370141
SNP8-21995513	EPB49	8	21995513	4	5.469898
SNP8-22034523	HR	8	22034523	4	1.47731
SNP8-22040710	HR	8	22040710	6	1.338177
SNP8-22040710	HR	8	22040710	4	0.012808
rs35574275	REEP4	8	22053683	8	7.473813
rs35574275	REEP4	8	22053683	6	0.5514
rs11784926	BMP1	8	22114849	4	0.039486
rs11996036	BMP1	8	22115308	6	3.698238
rs1126677	POLR3D	8	22161447	8	1.445598
rs1126677	POLR3D	8	22161447	3	0.945313
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rs1126677	POLR3D	8	22161447	5	0.848243
rs1049437	PPP3CC	8	22354602	8	1.633864
rs1049437	PPP3CC	8	22354602	4	0.325077
rs1049437	PPP3CC	8	22354602	5	0.647722
rs7430	PPP3CC	8	22454359	1	4.467474
rs7430	PPP3CC	8	22454359	6	6.922943
rs7430	PPP3CC	8	22454359	4	10.47275
rs2449331	SORBS3	8	22484603	6	4.062036
rs3735893	PDLIM2	8	22508649	1	1.634502
rs3735893	PDLIM2	8	22508649	5	0.822734
rs11785755	PDLIM2	8	22509168	1	1.783516
rs11136091	PDLIM2	8	22509873	3	0.275429
rs3735894	PDLIM2	8	22510771	1	2.501457
rs3735894	PDLIM2	8	22510771	5	0.546874
rs7843828	KIAA1967	8	22519568	1	2.146762
rs7843828	KIAA1967	8	22519568	5	9.226782
rs3736147	KIAA1967	8	22527769	1	5.304331
rs3736147	KIAA1967	8	22527769	5	0.004686
SNP8-22582504	BIN3	8	22582504	3	8.032344
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rs3853	PEBP4	8	22626789	1	2.603645
rs1047406	PEBP4	8	22626880	7	0.147889
rs1047406	PEBP4	8	22626880	3	0.251264
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rs1047406	PEBP4	8	22626880	1	0.812015
rs1047406	PEBP4	8	22626880	2	0.013413



rs1047406	PEBP4	8	22626880	4	0.045669
rs1047398	PEBP4	8	22626963	4	0.020172
rs1047398	PEBP4	8	22626963	1	0.170962
rs1047398	PEBP4	8	22626963	7	2.936326
rs1047398	PEBP4	8	22626963	5	0.352581
rs1047398	PEBP4	8	22626963	3	1.474395
rs1129474	PEBP4	8	22640663	5	0.532559
rs1129474	PEBP4	8	22640663	6	0.133066
rs1129474	PEBP4	8	22640663	4	1.034763
rs1129474	PEBP4	8	22640663	2	3.177847
rs1047266	TNFRSF10B	8	22956646	8	7.203596
rs34941234	TNFRSF10D	8	23049053	7	1.826732
SNP8-23058035	TNFRSF10D	8	23058035	5	0.043725
SNP8-23058035	TNFRSF10D	8	23058035	3	0.625277
SNP8-23077291	TNFRSF10D	8	23077291	1	3.72176
SNP8-23077291	TNFRSF10D	8	23077291	8	7.458174
rs20576	TNFRSF10A	8	23114165	4	2.495361
rs20576	TNFRSF10A	8	23114165	2	1.66751
rs4871857	TNFRSF10A	8	23115269	4	0.719122
rs6557634	TNFRSF10A	8	23116201	4	0.465734
rs4563894	CHMP7	8	23159818	3	0.660496
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rs4581062	CHMP7	8	23159856	3	0.256004
rs2294123	CHMP7	8	23160140	3	0.831172
rs2294123	CHMP7	8	23160140	8	0.918685
rs12155720	CHMP7	8	23174388	1	3.765719
rs7813349	LOXL2	8	23210545	5	0.698719
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rs7813349	LOXL2	8	23210545	6	5.774639
rs7813349	LOXL2	8	23210545	7	1.50089
rs2280936	LOXL2	8	23211282	5	0.398518
rs2280936	LOXL2	8	23211282	8	0.222681
rs1051146	LOXL2	8	23241952	1	4.563949
rs1051146	LOXL2	8	23241952	3	0.20098
rs1051146	LOXL2	8	23241952	8	0.199978
rs2272641	ENTPD4	8	23350706	3	0.541986
rs3736032	SLC25A37	8	23479642	2	4.25024
rs6996616	ADAM28	8	24226996	1	5.504597
rs2291577	ADAMDEC1	8	24312415	1	0.366908
rs3765124	ADAMDEC1	8	24317471	1	0.523965
rs2709618	DOCK5	8	25323539	5	7.861769
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rs3812422	CDCA2	8	25372578	8	1.471078
rs3812422	CDCA2	8	25372578	5	0.592467
rs3812422	CDCA2	8	25372578	6	0.293922
rs3812421	CDCA2	8	25372706	6	4.854229
rs3812421	CDCA2	8	25372706	5	0.972156

rs3812421	CDCA2	8	25372706	8	0.57232
rs10866845	EBF2	8	25764184	5	0.396803
rs2197181	PNMA2	8	26418944	1	3.253132
rs2197181	PNMA2	8	26418944	3	0.011271
rs2197181	PNMA2	8	26418944	6	0.756686
rs2197181	PNMA2	8	26418944	5	0.530049
rs2233699	PNMA2	8	26422670	5	0.342016
rs2233699	PNMA2	8	26422670	3	0.33923
rs3739214	STMN4	8	27157196	6	0.782825
rs3739214	STMN4	8	27157196	3	0.262285
rs4279551	TRIM35	8	27200649	4	0.192056
rs4279551	TRIM35	8	27200649	7	0.176196
rs4279551	TRIM35	8	27200649	5	0.159123
rs6988218	PTK2B	8	27225047	1	0.141313
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rs6988218	PTK2B	8	27225047	7	0.270689
rs6988218	PTK2B	8	27225047	6	0.057605
rs6988218	PTK2B	8	27225047	8	0.333889
rs6988218	PTK2B	8	27225047	5	0.258526
rs2241649	PTK2B	8	27310997	3	0.766239
rs2241649	PTK2B	8	27310997	7	1.161209
rs2241649	PTK2B	8	27310997	6	1.814946
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rs2241649	PTK2B	8	27310997	1	1.069037
rs1045511	PTK2B	8	27311063	7	5.835948
rs1045511	PTK2B	8	27311063	2	4.721864
rs1045511	PTK2B	8	27311063	6	1.08468
rs1045511	PTK2B	8	27311063	1	0.61151
rs1045511	PTK2B	8	27311063	3	9.363717
rs45578935	PTK2B	8	27357642	7	1.206471
rs751019	PTK2B	8	27364502	8	1.334172
rs751019	PTK2B	8	27364502	7	0.515068
rs751019	PTK2B	8	27364502	6	1.820634
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rs751019	PTK2B	8	27364502	3	0.371135
rs2292974	CHRNA2	8	27374308	3	1.844716
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rs2292974	CHRNA2	8	27374308	7	2.554671
rs2292974	CHRNA2	8	27374308	8	1.936549
rs2292974	CHRNA2	8	27374308	1	2.981935
rs2292975	CHRNA2	8	27374342	7	3.158539
rs2292975	CHRNA2	8	27374342	3	3.503073
rs2292975	CHRNA2	8	27374342	6	1.641496
rs2292975	CHRNA2	8	27374342	1	3.087733
rs2292977	CHRNA2	8	27374552	2	0.550091

rs891398	CHRNA2	8	27380739	4	1.3384
rs751141	EPHX2	8	27429782	8	6.503865
rs9331947	CLU	8	27510794	1	2.412086
rs17057523	SCARA3	8	27584365	3	0.862662
rs17057523	SCARA3	8	27584365	5	0.66028
rs485609	SCARA3	8	27586295	3	0.133403
rs485609	SCARA3	8	27586295	2	4.737588
rs485609	SCARA3	8	27586295	8	0.059159
rs485609	SCARA3	8	27586295	7	1.265585
rs7842666	CCDC25	8	27686071	7	0.163665
rs7842666	CCDC25	8	27686071	4	1.134901
rs7842666	CCDC25	8	27686071	5	0.149491
rs1052874	PBK	8	27723638	3	0.947605
rs1052874	PBK	8	27723638	2	6.916257
rs1052874	PBK	8	27723638	8	6.534574
rs1052874	PBK	8	27723638	7	0.708625
rs2685390	SCARA5	8	27906080	3	0.153434
rs1046511	ZNF395	8	28262194	5	7.616172
rs1046511	ZNF395	8	28262194	1	3.162458
rs1046511	ZNF395	8	28262194	7	0.004176
rs6986672	KIF13B	8	29061012	1	3.792399
rs6986672	KIF13B	8	29061012	6	1.014274
rs13271770	DUSP4	8	29259110	6	0.425966
rs1455915	DUSP4	8	29262045	8	0.188855
rs2637819	DUSP4	8	29263791	4	0.257278
rs2637819	DUSP4	8	29263791	2	3.918747
rs7844812	MBOAT4	8	30109106	6	0.480578
rs7844812	MBOAT4	8	30109106	5	0.906886
SNP8-30822280	TEX15	8	30822280	4	0.267812
rs1800391	WRN	8	31058246	7	0.085532
rs10954782	LOC642513	8	31196182	1	1.187192
rs10954782	LOC642513	8	31196182	4	1.018096
rs11785668	NRG1	8	32705534	5	0.266023
rs16880994	FUT10	8	33430477	3	0.064755
rs10644	RBM13	8	33477704	2	5.967345
rs10644	RBM13	8	33477704	5	1.771223
rs10644	RBM13	8	33477704	6	5.586212
rs3735951	RNF122	8	33535764	7	0.25774
rs3735951	RNF122	8	33535764	2	4.84973
rs3735951	RNF122	8	33535764	5	0.387707
rs3735951	RNF122	8	33535764	6	0.22712
rs3735952	RNF122	8	33544088	6	3.441934
rs11776875	LOC642879	8	37072804	4	0.759445
rs4994	ADRB3	8	37942955	5	1.332855
rs35045158	STAR	8	38120492	1	3.1105
rs2234558	WHSC1L1	8	38295592	6	6.207902
rs3925	FGFR1	8	38400815	8	2.108261

rs3925	FGFR1	8	38400815	3	0.697368
rs3925	FGFR1	8	38400815	7	0.516598
rs2304000	FGFR1	8	38405968	7	0.2102
rs2304000	FGFR1	8	38405968	8	2.128108
rs2304000	FGFR1	8	38405968	3	0.047394
rs4733951	FLJ43582	8	38488988	5	0.190834
SNP8-38796479	TACC1	8	38796479	1	6.182807
rs1802267	TACC1	8	38825526	1	3.780039
rs1135990	TACC1	8	38828710	1	4.866418
rs1135990	TACC1	8	38828710	6	1.08966
rs10105311	TM2D2	8	38973198	6	1.00102
rs10105311	TM2D2	8	38973198	3	1.734968
rs10105311	TM2D2	8	38973198	5	1.075971
rs10199	C8orf4	8	40131220	1	1.620236
rs753133	ZMAT4	8	40507475	5	0.565959
rs17851751	ZMAT4	8	40557914	5	0.457086
rs17851751	ZMAT4	8	40557914	1	1.229408
rs17851751	ZMAT4	8	40557914	7	1.376834
rs11337	GOLGA7	8	41487443	2	5.487799
rs508419	ANK1	8	41642148	2	0.219181
rs750625	ANK1	8	41645071	2	4.690162
rs504574	ANK1	8	41673085	5	0.021275
rs504574	ANK1	8	41673085	1	0.042231
rs2304880	ANK1	8	41678766	2	2.493177
rs2304880	ANK1	8	41678766	3	1.656645
rs2304880	ANK1	8	41678766	1	1.231781
rs2304880	ANK1	8	41678766	8	1.303731
rs2304873	ANK1	8	41702451	2	3.079811
rs2304871	ANK1	8	41704595	5	3.013699
rs2304871	ANK1	8	41704595	3	2.736891
rs3739365	MYST3	8	41910440	3	0.205419
rs7006698	MYST3	8	42025851	2	3.013747
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rs7006698	MYST3	8	42025851	4	1.084489
rs1136159	PLAT	8	42155734	4	1.467339
rs1136159	PLAT	8	42155734	1	0.966707
rs6841	SLC20A2	8	42393421	8	0.961734
rs8178216	PRKDC	8	48882397	4	1.542498
rs8178046	PRKDC	8	49004261	8	6.088364
rs7827446	PXDNL	8	52395961	2	4.869016
rs2977020	PXDNL	8	52483796	4	2.290398
rs2278152	ST18	8	53234014	7	0.249847
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SNP8-53749259	RB1CC1	8	53749259	7	0.157944
rs11992022	OPRK1	8	54300844	3	0.294376
rs7832417	OPRK1	8	54301171	3	0.173841

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rs7832417	OPRK1	8	54301171	6	0.503993
rs16918842	OPRK1	8	54301377	6	1.334342
rs3802279	OPRK1	8	54303501	6	0.649345
rs3802279	OPRK1	8	54303501	3	0.740425
rs3802280	OPRK1	8	54303552	6	0.22085
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rs3802281	OPRK1	8	54303716	3	1.060327
rs3802282	OPRK1	8	54303757	6	2.510038
rs3802282	OPRK1	8	54303757	3	1.016765
rs963549	OPRK1	8	54304377	3	1.974292
rs963549	OPRK1	8	54304377	6	0.592434
rs702764	OPRK1	8	54304710	6	0.519995
rs702764	OPRK1	8	54304710	3	0.04356
rs7820949	SEC11B	8	55598186	7	3.456994
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rs444772	RP1	8	55701610	2	4.606011
rs444772	RP1	8	55701610	5	0.121435
rs2293869	RP1	8	55701948	3	0.750357
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rs2293869	RP1	8	55701948	4	0.339986
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rs2293869	RP1	8	55701948	2	0.037363
rs446227	RP1	8	55704003	5	0.44231
rs446227	RP1	8	55704003	2	2.399114
rs446227	RP1	8	55704003	8	2.471356
rs441800	RP1	8	55704170	8	0.417582
rs441800	RP1	8	55704170	5	0.051907
SNP8-55705093	RP1	8	55705093	3	0.771028
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rs7464499	TMEM68	8	56839089	6	0.048354
rs13276393	TGS1	8	56848487	5	0.034347
rs13276393	TGS1	8	56848487	6	2.684452
rs1818	TGS1	8	56848778	5	5.188852
rs2976047	RPS20	8	57148368	6	3.683661
rs2976047	RPS20	8	57148368	3	0.282345
rs35883156	PLAG1	8	57241487	3	0.927999
SNP8-60014461	TOX	8	60014461	8	1.078331
rs3140	CA8	8	61264264	1	6.175226
rs3140	CA8	8	61264264	4	0.764807
rs3140	CA8	8	61264264	7	5.576098

rs6999971	CHD7	8	61927973	6	0.730736
rs4739003	NKAIN3	8	63822189	1	0.418351
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rs16930023	NULL	8	64055139	5	0.811974
rs16930023	NULL	8	64055139	4	3.425673
rs11545078	GGH	8	64101318	1	2.922189
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SNP8-64113866	GGH	8	64113866	2	5.004317
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rs9650210	BHLHB5	8	65658613	1	0.583468
rs1053088	ARMC1	8	66678337	4	1.903119
rs1053088	ARMC1	8	66678337	7	2.378813
rs7011464	PDE7A	8	66797841	7	0.668201
rs7011464	PDE7A	8	66797841	4	0.126214
rs3739334	RRS1	8	67503932	7	0.604979
SNP8-67543082	ADHFE1	8	67543082	8	1.263145
SNP8-67543082	ADHFE1	8	67543082	2	3.240024
SNP8-67543082	ADHFE1	8	67543082	7	0.412804
rs12265	ADHFE1	8	67543291	2	6.621294
rs1108	ADHFE1	8	67543417	8	1.169091
rs1108	ADHFE1	8	67543417	7	0.748227
rs17332410	C8orf45	8	67958674	6	0.213605
rs4260880	DEPDC2	8	69183050	1	1.042333
rs4260880	DEPDC2	8	69183050	6	1.857545
rs4260880	DEPDC2	8	69183050	5	1.245698
rs2289831	C8orf34	8	69596749	2	2.018174
rs16935065	C8orf34	8	69862310	7	0.032617
rs13264163	SULF1	8	70576714	7	1.143665
rs3802278	SULF1	8	70733867	6	0.730742
rs3802278	SULF1	8	70733867	1	4.59415
rs6990375	SULF1	8	70734085	6	0.138098
rs6990375	SULF1	8	70734085	1	3.309761
rs10448034	SLCO5A1	8	70751432	3	0.922532
rs10448034	SLCO5A1	8	70751432	7	1.437925
rs3750266	SLCO5A1	8	70907366	3	0.46591
rs10089937	PRDM14	8	71126953	4	0.885679
rs10089937	PRDM14	8	71126953	1	2.439875
rs10089937	PRDM14	8	71126953	2	2.406997
rs10089937	PRDM14	8	71126953	3	2.349999
rs10089937	PRDM14	8	71126953	5	2.272128
rs12681420	XKR9	8	71755752	4	2.323685
rs12681420	XKR9	8	71755752	3	2.743438
rs6991329	XKR9	8	71755979	8	2.539664
rs6991329	XKR9	8	71755979	4	3.604714
rs6991329	XKR9	8	71755979	3	2.051314

rs2290702	XKR9	8	71809534	3	2.246223
rs4738118	EYA1	8	72291563	8	4.307797
rs900126	MSC	8	72916896	1	1.210869
rs900126	MSC	8	72916896	7	0.091933
rs900126	MSC	8	72916896	6	0.574001
rs900126	MSC	8	72916896	3	0.288833
rs3779760	MSC	8	72917193	5	0.150299
rs3779760	MSC	8	72917193	3	0.392566
rs3779760	MSC	8	72917193	8	4.746916
rs3779760	MSC	8	72917193	2	0.375349
rs3779761	MSC	8	72917302	7	0.353621
rs2044270	TRPA1	8	73096328	3	0.030079
rs13280644	TRPA1	8	73111142	6	0.858588
rs13280644	TRPA1	8	73111142	3	1.464497
rs3735943	TRPA1	8	73128556	7	3.320051
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rs16937976	TRPA1	8	73146595	5	0.411508
rs16937976	TRPA1	8	73146595	1	0.232525
rs16937976	TRPA1	8	73146595	6	1.107644
rs13268757	TRPA1	8	73150192	6	1.121466
SNP8-74167685	RPESP	8	74167685	5	6.151323
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rs7819319	NULL	8	74527921	7	0.137134
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rs7819319	NULL	8	74527921	4	0.568005
rs2291217	TMEM70	8	75057302	4	0.013692
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rs2291217	TMEM70	8	75057302	5	4.121328
rs7835278	PI15	8	75928502	5	0.668489
rs2085276	CRISPLD1	8	76108405	3	0.401118
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rs2272669	HNF4G	8	76639012	4	0.260037
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rs2941477	HNF4G	8	76639225	4	0.777573
rs2941477	HNF4G	8	76639225	6	1.353883
rs2941478	HNF4G	8	76639292	2	1.251747
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rs2941478	HNF4G	8	76639292	5	0.306609
rs2941479	HNF4G	8	76639514	7	0.031019

rs2941479	HNF4G	8	76639514	8	0.60387
rs2941480	HNF4G	8	76639677	7	0.615302
rs2941480	HNF4G	8	76639677	8	1.549879
rs2941480	HNF4G	8	76639677	2	4.187472
rs2941481	HNF4G	8	76639923	6	2.874902
rs2941481	HNF4G	8	76639923	8	3.371664
rs2941481	HNF4G	8	76639923	4	0.136316
rs17306807	HNF4G	8	76640084	4	0.274853
rs17306807	HNF4G	8	76640084	6	1.462865
rs2941482	HNF4G	8	76640550	6	1.159574
rs2941483	HNF4G	8	76641171	7	0.269566
rs2941484	HNF4G	8	76641323	4	0.0606
rs2941484	HNF4G	8	76641323	2	1.877497
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SNP8-77779074	ZFHX4	8	77779074	3	0.511157
rs2728455	ZFHX4	8	77928420	6	0.975251
rs2728455	ZFHX4	8	77928420	2	1.974922
rs2728455	ZFHX4	8	77928420	5	0.014512
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rs1046472	HEY1	8	80839084	4	1.04793
SNP8-81104896	MRPS28	8	81104896	4	4.526748
rs7464898	LOC646437	8	81652979	7	0.582904
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rs10755966	ZNF704	8	81714207	3	0.27354
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rs11743	PAG1	8	82042651	5	1.766558
rs3739342	PAG1	8	82045405	8	0.152376
rs1445560	PAG1	8	82047632	4	0.166919
rs7017984	PAG1	8	82049241	2	2.339281
rs2016465	PAG1	8	82067952	6	0.857932
rs2167255	PMP2	8	82515633	6	2.698261
rs2167255	PMP2	8	82515633	3	4.605055
rs10113055	PMP2	8	82516711	1	2.880318
rs6473276	PMP2	8	82518176	3	1.628282
rs2229015	PMP2	8	82519667	3	0.649292
SNP8-82833326	CHMP4C	8	82833326	7	1.74708
rs13267859	RALYL	8	85995723	7	0.062219
rs12604	RALYL	8	85996372	8	3.5567
rs2072696	CA3	8	86538303	4	0.956914
rs2072696	CA3	8	86538303	2	3.397774
rs2072696	CA3	8	86538303	7	0.304179
rs16876805	PSKH2	8	87129959	4	0.475139
rs6998760	PSKH2	8	87145636	6	1.09295
rs6998760	PSKH2	8	87145636	5	0.256772
rs6983781	ATP6V0D2	8	87235512	5	0.883513
rs6983781	ATP6V0D2	8	87235512	1	1.716919



SNP8-87590010	FAM82B	8	87590010	3	0.815908
SNP8-87590010	FAM82B	8	87590010	6	4.404978
rs990192	CNGB3	8	87655509	5	2.743769
rs17683284	CNGB3	8	87655845	3	0.651343
rs6471482	CNGB3	8	87748419	3	0.098895
rs1805794	NBN	8	91059655	1	5.95845
rs1055146	NECAB1	8	92038845	1	3.286178
rs1055146	NECAB1	8	92038845	5	0.914642
rs10109254	SLC26A7	8	92433276	1	3.141233
rs16912814	SLC26A7	8	92477506	7	0.27312
rs4734031	SLC26A7	8	92478223	7	0.351432
rs4734032	SLC26A7	8	92478246	7	0.132266
rs16916191	RBM12B	8	94818741	2	1.783832
rs16916191	RBM12B	8	94818741	7	0.433139
rs2513797	CDH17	8	95212314	1	2.236493
rs2513797	CDH17	8	95212314	7	0.420256
rs2513797	CDH17	8	95212314	5	0.784859
rs1051624	CDH17	8	95212348	1	2.471249
rs2251734	CDH17	8	95227435	1	2.586688
rs2251741	CDH17	8	95227558	1	1.701805
SNP8-95258026	CDH17	8	95258026	2	2.590622
SNP8-95258026	CDH17	8	95258026	7	0.990325
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SNP8-95258026	CDH17	8	95258026	6	0.116292
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rs1050627	GEM	8	95330869	5	0.273521
rs1050627	GEM	8	95330869	1	0.207952
rs1050627	GEM	8	95330869	6	0.916322
rs1050627	GEM	8	95330869	3	0.301931
rs1050627	GEM	8	95330869	2	1.177244
rs1050627	GEM	8	95330869	7	0.850411
rs11985	GEM	8	95330892	1	3.97917
rs17036	GEM	8	95331131	1	4.908241
rs2170363	GEM	8	95341781	3	0.634423
rs2170363	GEM	8	95341781	7	0.585184
rs2250208	GEM	8	95343533	1	3.547743
rs2250208	GEM	8	95343533	6	0.622101
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rs2250208	GEM	8	95343533	3	0.676301
rs957448	KIAA1429	8	95610478	5	0.591526
rs957446	KIAA1429	8	95610547	8	0.121398
rs957446	KIAA1429	8	95610547	7	0.004634
rs957446	KIAA1429	8	95610547	1	0.141789
rs957446	KIAA1429	8	95610547	5	0.172496
rs957446	KIAA1429	8	95610547	6	0.899444
rs957446	KIAA1429	8	95610547	2	0.742026

rs880938	SDC2	8	97575549	8	5.323067
rs3816208	SDC2	8	97683801	3	3.076951
rs2635164	TSPYL5	8	98358890	2	0.54762
rs2635164	TSPYL5	8	98358890	6	0.247757
rs2635164	TSPYL5	8	98358890	1	0.594612
rs2635164	TSPYL5	8	98358890	7	0.039295
rs2290470	MATN2	8	99012622	8	1.571306
rs2290470	MATN2	8	99012622	6	1.520854
rs2290470	MATN2	8	99012622	4	0.901803
rs2290470	MATN2	8	99012622	7	0.067631
rs35407519	MATN2	8	99023284	4	0.522342
rs35407519	MATN2	8	99023284	5	0.737218
rs1869608	MATN2	8	99060399	4	0.844392
rs1869608	MATN2	8	99060399	5	0.24278
rs2255317	MATN2	8	99113704	2	4.015294
rs4735538	NPAL2	8	99273942	7	1.181313
rs3802197	KCNS2	8	99511080	1	3.745246
rs3802197	KCNS2	8	99511080	4	1.000695
SNP8-100513061	VPS13B	8	100513061	3	0.499371
rs6468694	VPS13B	8	100935012	1	5.746871
rs4518636	COX6C	8	100973453	1	3.602454
rs7841915	RGS22	8	101059353	7	1.407398
rs2446917	FBXO43	8	101214885	5	5.531954
rs1460934	FBXO43	8	101222200	6	1.559196
rs1460934	FBXO43	8	101222200	5	0.381846
rs17335870	SPAG1	8	101275567	6	0.852861
rs17335870	SPAG1	8	101275567	8	0.512125
rs2022923	MGC39715	8	101655309	4	0.507126
rs2022923	MGC39715	8	101655309	1	1.730487
rs2022923	MGC39715	8	101655309	3	2.165215
rs3824090	GRHL2	8	102748392	7	0.086825
rs3824090	GRHL2	8	102748392	4	5.874889
rs3735715	GRHL2	8	102749085	3	0.276649
rs3735715	GRHL2	8	102749085	4	2.819827
rs3735715	GRHL2	8	102749085	1	4.932859
rs3735715	GRHL2	8	102749085	7	1.633271
rs6468783	GRHL2	8	102750936	1	3.356691
rs16868201	NCALD	8	102769812	4	0.335487
rs16868201	NCALD	8	102769812	7	0.369122
rs1265116	RRM2B	8	103288049	6	0.697389
rs1265116	RRM2B	8	103288049	8	3.819268
rs3808357	ODF1	8	103633083	6	2.80973
rs3808357	ODF1	8	103633083	1	4.166613
rs3808357	ODF1	8	103633083	5	3.571724
rs2304347	AZIN1	8	103914548	7	0.427409
rs1802539	AZIN1	8	103945359	2	6.150192
rs2454042	LOC643972	8	104102681	2	1.667529

rs4734684	ATP6V1C1	8	104151587	1	4.480156
rs4734684	ATP6V1C1	8	104151587	3	0.314357
rs2453994	ATP6V1C1	8	104152827	1	6.571431
rs2453994	ATP6V1C1	8	104152827	4	0.172132
rs16870033	ATP6V1C1	8	104152962	5	0.078493
rs16870033	ATP6V1C1	8	104152962	4	1.345103
rs16870033	ATP6V1C1	8	104152962	6	0.857252
rs16870033	ATP6V1C1	8	104152962	1	6.055816
rs16870270	BAALC	8	104310942	1	4.017399
rs3098233	CTHRC1	8	104463920	2	2.717926
rs3098233	CTHRC1	8	104463920	3	0.560343
rs17803441	SLC25A32	8	104486221	3	0.381492
rs3134295	WDSOF1	8	104496535	7	0.150002
rs3134295	WDSOF1	8	104496535	2	1.751614
rs3134295	WDSOF1	8	104496535	3	0.09818
rs3134295	WDSOF1	8	104496535	5	0.168148
rs3134295	WDSOF1	8	104496535	6	0.390212
rs3134295	WDSOF1	8	104496535	1	0.363645
rs3134296	WDSOF1	8	104496717	2	2.148039
rs10461	RIMS2	8	105333155	7	0.054077
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rs1060441	RIMS2	8	105333792	7	0.879753
rs1060441	RIMS2	8	105333792	5	0.490338
rs1060441	RIMS2	8	105333792	6	1.270938
rs1060441	RIMS2	8	105333792	4	1.064136
rs1060441	RIMS2	8	105333792	2	3.489857
rs13279448	LRP12	8	105570989	2	4.561985
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rs11996457	ABRA	8	107851511	3	0.728296
rs11996457	ABRA	8	107851511	6	0.999108
rs11996466	ABRA	8	107851571	3	0.194159
rs11996466	ABRA	8	107851571	6	1.11216
rs2507800	ANGPT1	8	108331845	1	2.973823
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rs2507800	ANGPT1	8	108331845	3	0.147505
rs1954727	ANGPT1	8	108332310	1	3.670195
rs1954727	ANGPT1	8	108332310	3	0.228358
rs1954727	ANGPT1	8	108332310	8	3.375007
rs1548083	NUDCD1	8	110323055	6	0.117661
rs1548083	NUDCD1	8	110323055	8	5.023253
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rs1548083	NUDCD1	8	110323055	1	5.277639
rs1548083	NUDCD1	8	110323055	5	0.064176
rs1379369	PKHD1L1	8	110481695	8	2.492998

rs1379369	PKHD1L1	8	110481695	3	2.75327
rs1379369	PKHD1L1	8	110481695	6	1.995403
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rs13252234	PKHD1L1	8	110489605	3	3.597381
rs10093885	PKHD1L1	8	110517811	6	3.061454
rs1673404	PKHD1L1	8	110534236	6	1.986614
rs1673404	PKHD1L1	8	110534236	3	0.162697
rs1673398	PKHD1L1	8	110546169	3	1.202326
rs1783174	PKHD1L1	8	110608362	5	0.70665
rs1895013	CSMD3	8	113304905	2	3.074133
rs1895013	CSMD3	8	113304905	4	1.243325
rs17629268	CSMD3	8	113304918	4	0.63453
rs4876458	CSMD3	8	113306221	7	3.034608
rs4876458	CSMD3	8	113306221	8	0.08897
rs11778209	CSMD3	8	113433872	1	3.322416
rs11778209	CSMD3	8	113433872	4	2.571334
rs11778209	CSMD3	8	113433872	3	0.330195
rs12155677	CSMD3	8	113554111	7	0.24206
rs17608189	CSMD3	8	114360001	1	5.973108
rs16884568	CSMD3	8	114458524	5	2.22532
rs13266634	SLC30A8	8	118253964	3	0.379887
rs3802177	SLC30A8	8	118254206	3	0.958204
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rs2466294	SLC30A8	8	118254244	5	3.426318
rs2466294	SLC30A8	8	118254244	3	0.240762
rs2466294	SLC30A8	8	118254244	7	5.312917
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rs11558471	SLC30A8	8	118254914	7	4.952926
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rs11558471	SLC30A8	8	118254914	5	3.235866
rs11558471	SLC30A8	8	118254914	3	0.153211
rs2466293	SLC30A8	8	118255119	3	1.465134
rs2466293	SLC30A8	8	118255119	2	2.125235
rs2466293	SLC30A8	8	118255119	6	0.655417
rs2466293	SLC30A8	8	118255119	7	4.424007
rs10282940	SLC30A8	8	118257007	2	2.787155
rs17439693	EXT1	8	118901201	7	0.515728
rs17439693	EXT1	8	118901201	1	0.565298
rs17439693	EXT1	8	118901201	6	2.079833
rs17439875	EXT1	8	118916963	3	0.791811
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rs11992702	SAMD12	8	119460458	7	0.129342
rs11992702	SAMD12	8	119460458	8	0.129779
rs11992702	SAMD12	8	119460458	3	0.747646
rs11992702	SAMD12	8	119460458	2	3.706365

rs11992702	SAMD12	8	119460458	5	0.008894
rs11992702	SAMD12	8	119460458	6	6.460093
rs5020517	SAMD12	8	119460972	5	0.124502
rs5020517	SAMD12	8	119460972	2	5.040233
rs5020517	SAMD12	8	119460972	3	0.638503
rs2073617	TNFRSF11B	8	120033464	4	0.427671
rs2073617	TNFRSF11B	8	120033464	1	4.381981
rs2073617	TNFRSF11B	8	120033464	3	0.380834
rs2073617	TNFRSF11B	8	120033464	8	0.795883
rs17787689	MAL2	8	120326285	4	7.388267
rs2279112	NOV	8	120498205	8	2.722102
rs2279112	NOV	8	120498205	2	0.805024
rs14324	NOV	8	120505667	2	6.107021
rs14324	NOV	8	120505667	3	0.934936
rs14324	NOV	8	120505667	8	0.772007
rs11526	NOV	8	120505722	8	0.86985
rs11526	NOV	8	120505722	2	2.873238
rs2305129	ENPP2	8	120639058	3	1.040653
rs4871364	ENPP2	8	120663983	2	3.789802
rs4871364	ENPP2	8	120663983	5	0.83626
rs10283100	ENPP2	8	120665204	8	1.1642
rs10283100	ENPP2	8	120665204	7	2.562642
rs956749	TAF2	8	120813580	5	6.572453
rs1055133	DCC1	8	120916259	5	0.048113
rs1055133	DCC1	8	120916259	4	0.245564
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SNP8-121131060	DEPDC6	8	121131060	5	0.52643
SNP8-121131060	DEPDC6	8	121131060	3	0.140294
SNP8-121131060	DEPDC6	8	121131060	7	0.319144
rs17833992	COL14A1	8	121367337	4	0.316347
rs17833992	COL14A1	8	121367337	2	3.600509
rs17833992	COL14A1	8	121367337	1	0.218857
rs12548759	ZHX2	8	124035295	3	0.33528
rs3802265	ZHX2	8	124035340	3	0.206902
rs3802265	ZHX2	8	124035340	6	0.23319
rs3802265	ZHX2	8	124035340	8	1.24866
rs2272722	DERL1	8	124100722	4	0.005853
rs2272722	DERL1	8	124100722	5	0.259463
rs16898013	WDR67	8	124208072	3	0.053698
rs16898013	WDR67	8	124208072	8	5.558989
rs3739291	FAM83A	8	124264149	2	2.388606
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rs3739291	FAM83A	8	124264149	7	0.829419
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rs6470147	C8orf32	8	124517985	3	0.060933
rs6470147	C8orf32	8	124517985	7	1.239761

rs6470147	C8orf32	8	124517985	1	6.115551
rs6470147	C8orf32	8	124517985	4	0.215512
rs4871385	FBXO32	8	124622403	4	6.121065
rs4871385	FBXO32	8	124622403	2	2.80106
rs16898671	C8ORFK36	8	124727391	1	5.503013
rs16898671	C8ORFK36	8	124727391	7	0.611503
rs16898671	C8ORFK36	8	124727391	4	0.012985
rs16898671	C8ORFK36	8	124727391	6	1.034648
rs11779866	C8ORFK36	8	124727395	3	1.069699
rs16898689	C8ORFK36	8	124733076	8	3.059157
rs16898691	C8ORFK36	8	124733168	8	1.024484
rs4471017	ANXA13	8	124762591	1	3.946914
rs4471017	ANXA13	8	124762591	3	3.952818
rs2294013	ANXA13	8	124779910	5	1.385881
rs2294013	ANXA13	8	124779910	1	0.074803
rs2294013	ANXA13	8	124779910	4	0.426532
rs2294013	ANXA13	8	124779910	2	0.040595
rs6470179	ANXA13	8	124818791	5	0.351786
rs2272684	FAM91A1	8	124887628	3	0.104352
rs2272684	FAM91A1	8	124887628	6	1.048842
rs1897318	FER1L6	8	124933585	3	0.391239
SNP8-125037424	FER1L6	8	125037424	3	1.084456
rs7465584	FER1L6	8	125056659	8	1.690644
rs7465584	FER1L6	8	125056659	1	0.906416
rs7465584	FER1L6	8	125056659	5	1.074476
rs4358790	FER1L6	8	125104969	7	4.002996
rs4358790	FER1L6	8	125104969	5	0.897297
rs4358790	FER1L6	8	125104969	1	3.229558
rs4358790	FER1L6	8	125104969	6	0.5813
rs4870887	FER1L6	8	125131076	8	2.076994
rs4870887	FER1L6	8	125131076	7	1.447384
rs4483140	FER1L6	8	125141607	6	0.825717
rs6470219	FER1L6	8	125176382	6	0.074587
rs3812473	TRMT12	8	125532264	2	3.690074
rs3812473	TRMT12	8	125532264	7	0.96052
rs3829033	MTSS1	8	125633823	2	5.461551
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rs10104558	ZNF572	8	126058641	5	4.116953
rs10105106	ZNF572	8	126058830	5	0.459048
rs16900167	ZNF572	8	126058879	1	5.204756
rs16900167	ZNF572	8	126058879	4	0.607858
rs10107774	ZNF572	8	126059033	5	0.413859
rs7829785	ZNF572	8	126060039	5	0.105349
SNP8-128820383	MYC	8	128820383	4	1.444901
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rs12677518	PVT1	8	129021490	2	4.404695
rs4736529	EFR3A	8	133092345	2	4.040414

rs4736529	EFR3A	8	133092345	3	0.486669
rs4736529	EFR3A	8	133092345	4	6.667648
rs4736529	EFR3A	8	133092345	5	0.184841
rs8859	EFR3A	8	133094853	2	4.608044
rs11779306	OC90	8	133116253	4	0.188164
rs11779306	OC90	8	133116253	1	0.70086
rs11779306	OC90	8	133116253	7	0.138709
rs1048490	TMEM71	8	133791463	5	0.783767
rs1048490	TMEM71	8	133791463	4	0.200166
rs1048490	TMEM71	8	133791463	7	0.744975
rs180222	TG	8	133968342	4	0.649381
rs180223	TG	8	133969434	3	0.408705
rs2069550	TG	8	133969568	3	0.293917
rs2069550	TG	8	133969568	8	0.639549
rs2069550	TG	8	133969568	7	0.24101
rs2069550	TG	8	133969568	6	0.997455
rs853326	TG	8	133979156	8	0.185757
rs853326	TG	8	133979156	7	1.005206
rs853326	TG	8	133979156	3	0.103954
rs853304	TG	8	134000930	3	0.211071
rs2069561	TG	8	134044465	4	0.55032
rs2069561	TG	8	134044465	7	0.018445
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SNP8-134177728	TG	8	134177728	2	1.087234
SNP8-134177728	TG	8	134177728	4	0.441799
SNP8-134177728	TG	8	134177728	6	0.200079
rs1133076	TG	8	134194864	3	2.62071
rs1133076	TG	8	134194864	1	2.038875
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rs2294024	TG	8	134213295	2	3.428352
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rs2294024	TG	8	134213295	8	5.051645
rs2294024	TG	8	134213295	3	2.036323
rs2294024	TG	8	134213295	4	1.522494
rs3739261	WISP1	8	134308952	8	2.669684
rs3739261	WISP1	8	134308952	2	1.972635
rs2929969	WISP1	8	134309879	3	0.968139
rs12164193	WISP1	8	134310105	4	0.650882
rs12164193	WISP1	8	134310105	2	1.683659
rs2929970	WISP1	8	134310319	2	1.983832
rs2929970	WISP1	8	134310319	8	1.182759
rs2929970	WISP1	8	134310319	3	0.152498
rs3739429	ZFAT1	8	135593979	5	8.370706

rs16905194	ZFAT1	8	135679389	5	0.055611
rs16905194	ZFAT1	8	135679389	8	0.15266
rs6982146	ZFAT1	8	135680299	5	5.471214
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rs12549256	ZFAT1	8	135680336	1	0.511572
rs12549256	ZFAT1	8	135680336	2	0.289239
rs894343	ZFAT1	8	135681777	5	4.577228
rs894343	ZFAT1	8	135681777	4	1.299756
rs894343	ZFAT1	8	135681777	6	2.194351
rs4131277	COL22A1	8	139712156	7	0.699473
rs10091563	COL22A1	8	139716444	7	0.78074
rs4909444	COL22A1	8	139770391	3	0.189272
rs4909444	COL22A1	8	139770391	5	1.746814
rs199226	NIBP	8	140812382	6	0.507037
rs199226	NIBP	8	140812382	1	0.273449
rs199226	NIBP	8	140812382	2	0.307905
rs2233230	C8orf17	8	141012685	6	0.557618
rs2233230	C8orf17	8	141012685	2	4.053087
rs11166965	NIBP	8	141332197	4	7.220378
rs11166965	NIBP	8	141332197	7	7.519614
rs3735801	NIBP	8	141530448	5	0.323973
rs2231516	LOC729563	8	141590333	7	0.146845
rs2231516	LOC729563	8	141590333	5	0.146428
rs2231516	LOC729563	8	141590333	3	0.614763
rs10216653	CHRAC1	8	141596167	7	7.287837
rs10216653	CHRAC1	8	141596167	2	5.308562
rs10216653	CHRAC1	8	141596167	5	4.40542
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rs10216653	CHRAC1	8	141596167	4	2.891079
rs10216653	CHRAC1	8	141596167	3	0.31441
rs2977461	EIF2C2	8	141610470	7	0.274745
rs2977461	EIF2C2	8	141610470	4	5.018185
rs2977461	EIF2C2	8	141610470	5	0.479276
rs7460	PTK2	8	141738042	5	0.155563
rs7460	PTK2	8	141738042	4	0.539871
rs7460	PTK2	8	141738042	3	0.134999
rs7460	PTK2	8	141738042	6	0.616784
rs2304284	DENND3	8	142231055	2	4.706683
rs2304283	DENND3	8	142231070	2	4.984022
rs1045248	DENND3	8	142273508	5	0.103846
rs1045248	DENND3	8	142273508	4	1.846571
rs1045248	DENND3	8	142273508	6	3.588362
rs3739242	SLC45A4	8	142288992	8	0.36287
rs3739242	SLC45A4	8	142288992	4	2.63278
rs3739242	SLC45A4	8	142288992	3	0.266158
rs3739238	SLC45A4	8	142291627	3	1.064383
rs3739238	SLC45A4	8	142291627	4	1.948492



rs3739238	SLC45A4	8	142291627	5	0.844344
rs2748421	FLJ43860	8	142586404	7	2.844028
rs10100935	TSNARE1	8	143423627	8	2.870647
rs10100935	TSNARE1	8	143423627	5	0.737349
rs10100935	TSNARE1	8	143423627	1	0.653286
rs10100935	TSNARE1	8	143423627	7	1.322473
rs10100935	TSNARE1	8	143423627	2	1.32801
rs7814359	TSNARE1	8	143433941	6	1.103199
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rs10097505	ARC	8	143691186	3	0.24145
rs10097505	ARC	8	143691186	7	0.012627
rs3735995	JRK	8	143741708	3	0.00413
rs750530	JRK	8	143741933	5	0.061568
rs750530	JRK	8	143741933	8	3.616951
rs750530	JRK	8	143741933	4	6.189205
rs2976399	JRK	8	143743052	3	0.0175
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rs2976399	JRK	8	143743052	5	2.700096
rs3802234	JRK	8	143743367	7	1.341885
rs754957	JRK	8	143743418	7	0.411689
rs754957	JRK	8	143743418	8	0.107895
rs754957	JRK	8	143743418	5	0.957991
rs3802232	JRK	8	143743703	5	0.208328
rs3802232	JRK	8	143743703	7	0.99367
rs3802232	JRK	8	143743703	8	0.392074
rs2978973	JRK	8	143744273	5	4.469451
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rs2978973	JRK	8	143744273	8	5.636205
rs2978973	JRK	8	143744273	4	2.192468
rs3736001	PSCA	8	143759809	7	1.091651
rs2585138	C8orf55	8	143805953	4	0.376077
rs2585138	C8orf55	8	143805953	6	1.168689
rs2585138	C8orf55	8	143805953	1	0.410598
rs2585138	C8orf55	8	143805953	2	0.955389
rs2585138	C8orf55	8	143805953	8	0.492725
rs2585138	C8orf55	8	143805953	5	0.959341
rs13362	LYNX1	8	143849966	1	5.234575
rs13362	LYNX1	8	143849966	6	2.21627
rs2572925	LY6D	8	143864907	7	3.755792
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rs2572925	LY6D	8	143864907	8	2.191851
rs2572925	LY6D	8	143864907	6	1.441361
rs5303	CYP11B1	8	143952097	5	1.190545
rs5303	CYP11B1	8	143952097	6	0.710306
rs5303	CYP11B1	8	143952097	1	2.304521
rs5283	CYP11B1	8	143957599	5	0.136294
rs5283	CYP11B1	8	143957599	1	0.453617

rs5283	CYP11B1	8	143957599	7	0.169603
rs5283	CYP11B1	8	143957599	3	0.220658
rs12543416	C8orf31	8	144192163	1	3.432395
SNP8-144195984	C8orf31	8	144195984	7	1.108187
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rs13248517	C8orf31	8	144206336	4	3.62432
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rs7823214	C8orf31	8	144206344	8	0.74254
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rs4977119	C8orf31	8	144206762	1	6.084457
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rs6988480	HHCM	8	144242199	3	0.120932
rs7007949	LY6H	8	144311035	5	1.202825
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GA007224	GPIHBP1	8	144367157	1	0.783868
GA007224	GPIHBP1	8	144367157	2	3.3603
GA007224	GPIHBP1	8	144367157	8	0.830999
GA007224	GPIHBP1	8	144367157	5	0.972454
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rs12545739	LOC338328	8	144369042	2	1.086888
rs12545739	LOC338328	8	144369042	1	3.046652
rs7387879	ZFP41	8	144400672	3	1.61918
rs7387879	ZFP41	8	144400672	7	1.232165
rs7387879	ZFP41	8	144400672	1	1.349842
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rs7387879	ZFP41	8	144400672	2	0.014099
rs7387879	ZFP41	8	144400672	6	0.187924
rs3750213	ZFP41	8	144415762	2	0.780744
rs3750213	ZFP41	8	144415762	5	2.886854
rs3750213	ZFP41	8	144415762	7	0.115327
rs3750217	ZNF696	8	144450627	8	1.038071
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rs3750217	ZNF696	8	144450627	7	0.212022

SNP8-144478080	TOP1MT	8	144478080	8	7.914945
SNP8-144478080	TOP1MT	8	144478080	4	0.144226
SNP8-144478080	TOP1MT	8	144478080	3	0.581757
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rs2450772	TOP1MT	8	144484791	3	0.189014
rs2450772	TOP1MT	8	144484791	1	1.472078
rs3812440	RHPN1	8	144533312	7	1.462064
rs4874147	ZC3H3	8	144691326	8	0.937666
rs3750206	ZC3H3	8	144692234	2	0.534101
rs3750206	ZC3H3	8	144692234	1	0.039768
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SNP8-144725392	C8orf73	8	144725392	4	0.332335
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rs4873803	C8orf73	8	144725737	5	0.343017
rs4873803	C8orf73	8	144725737	3	0.366859
rs2290416	NAPRT1	8	144728743	1	2.370367
rs1062391	EEF1D	8	144733496	7	1.425437
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rs3812448	EEF1D	8	144743065	5	0.952952
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rs3210186	TIGD5	8	144753454	3	0.27553
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rs2242089	PYCRL	8	144760289	5	0.399953
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rs2978	TSTA3	8	144766033	6	0.095481
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rs2978	TSTA3	8	144766033	5	0.990309
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rs3750204	ZNF623	8	144803593	5	0.358633
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rs3204171	ZNF707	8	144849354	5	0.129242

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rs11136316	ZNF707	8	144849509	7	1.938932
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SNP8-144873581	MAPK15	8	144873581	3	0.878235
rs6558394	SCRIB	8	144965072	3	3.101487
rs7839934	EPPK1	8	145013169	6	5.506662
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rs12542653	EPPK1	8	145016164	4	2.177909
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SNP8-145073019	PLEC1	8	145073019	1	4.236478
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rs11544989	PARP10	8	145129856	1	1.515036
rs11544989	PARP10	8	145129856	4	0.800077
rs11544989	PARP10	8	145129856	5	1.476257
rs11136344	PARP10	8	145131413	5	1.261183
rs11136344	PARP10	8	145131413	7	0.316276
rs11136344	PARP10	8	145131413	1	3.360886
rs11136345	PARP10	8	145132100	8	0.190737
rs11136345	PARP10	8	145132100	7	0.522953
rs11136345	PARP10	8	145132100	5	0.360342
rs11136345	PARP10	8	145132100	4	0.913855
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rs11993554	OPLAH	8	145183517	7	0.703527
rs6558292	OPLAH	8	145186631	7	1.072882
rs4977196	KIAA1875	8	145235402	7	0.516827
SNP8-145295276	KIAA1833	8	145295276	3	0.246475
rs2272663	C8ORFK29	8	145549104	7	1.751691
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rs6599528	ADCK5	8	145573922	6	1.177602
rs6599528	ADCK5	8	145573922	2	3.162037
rs6599528	ADCK5	8	145573922	7	7.577289
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SNP8-145610489	SLC39A4	8	145610489	3	0.510052
rs2272662	SLC39A4	8	145610534	5	2.68014
rs2272662	SLC39A4	8	145610534	6	3.236341
rs2280839	SLC39A4	8	145612372	5	0.545025
rs2280839	SLC39A4	8	145612372	7	0.447868
rs1046830	CYHR1	8	145660058	4	5.684203
rs750472	FOXH1	8	145672261	4	1.57782
rs750472	FOXH1	8	145672261	5	0.322261
rs750472	FOXH1	8	145672261	3	1.092342
rs750472	FOXH1	8	145672261	2	3.591821
rs1063739	GPT	8	145700535	2	4.77532
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rs1063739	GPT	8	145700535	3	1.851469
rs1063739	GPT	8	145700535	4	0.906377

SNP8-145708624	RECQL4	8	145708624	3	0.773676
SNP8-145708624	RECQL4	8	145708624	4	0.629121
SNP8-145708624	RECQL4	8	145708624	5	5.925172
SNP8-145712510	RECQL4	8	145712510	4	0.247934
SNP8-145712510	RECQL4	8	145712510	2	5.113111
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rs2306386	RECQL4	8	145713687	4	2.221615
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rs2306386	RECQL4	8	145713687	5	3.949452
rs2306386	RECQL4	8	145713687	1	0.228392
rs2620651	LRRC24	8	145719561	3	0.295437
rs2730059	ZNF251	8	145952565	3	1.054326
rs1060859	RPL8	8	145986553	3	0.631049
rs2954658	RPL8	8	145988586	4	4.114035
rs2954658	RPL8	8	145988586	7	0.521091
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rs2242650	COMMD5	8	146037222	1	2.000726
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rs2236547	C9orf66	9	204864	7	0.910556
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rs11789099	DOCK8	9	302134	8	0.166338
rs12348944	DOCK8	9	367066	4	3.363222
rs2297079	DOCK8	9	411032	2	3.885871
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rs2297079	DOCK8	9	411032	6	2.904754
rs2297079	DOCK8	9	411032	3	0.440708
rs10491684	DOCK8	9	439798	3	0.639689
rs10491684	DOCK8	9	439798	5	0.135823
rs4465020	ANKRD15	9	702060	2	8.056294
rs912175	ANKRD15	9	702137	6	1.165621
SNP9-1045870	DMRT2	9	1045870	3	0.870541
rs17641078	DMRT2	9	1046959	5	0.050353
rs4741030	DMRT2	9	1047351	3	0.880642
rs34881325	VLDLR	9	2612134	2	4.920065
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rs34881325	VLDLR	9	2612134	8	7.391539
rs34881325	VLDLR	9	2612134	4	1.75795
rs34881325	VLDLR	9	2612134	3	0.470912
rs10967705	KCNV2	9	2707922	1	4.463718
rs10967705	KCNV2	9	2707922	7	5.619167
rs17656693	KCNV2	9	2708588	3	2.388311
rs12352254	KCNV2	9	2719686	1	3.457624

rs41306094	KCNV2	9	2719733	1	1.964491
SNP9-2818742	KIAA0020	9	2818742	4	0.415716
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rs17715051	RFX3	9	3237107	4	5.892805
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rs2228622	SLC1A1	9	4554432	3	0.90185
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rs2228622	SLC1A1	9	4554432	5	0.321238
SNP9-4607999	C9orf68	9	4607999	5	1.697516
rs301487	PPAPDC2	9	4652369	2	1.501342
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rs301487	PPAPDC2	9	4652369	6	1.233376
rs301487	PPAPDC2	9	4652369	1	1.398388
rs1485202	PPAPDC2	9	4654749	6	6.511515
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rs1485202	PPAPDC2	9	4654749	3	0.353596
rs1485202	PPAPDC2	9	4654749	5	8.978486
rs1053872	RCL1	9	4850643	8	6.527235
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rs1053872	RCL1	9	4850643	2	1.295964
rs2273782	RLN1	9	5325470	4	0.561438
rs2273782	RLN1	9	5325470	3	0.070263
rs4143815	CD274	9	5458257	3	0.274481
rs16923189	PDCD1LG2	9	5500644	8	1.393749
rs3739646	KIAA1432	9	5752600	3	0.019027
rs1056798	MLANA	9	5899259	5	0.695964
rs1056798	MLANA	9	5899259	3	0.519738
rs10975519	IL33	9	6243571	7	1.251795
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rs1048274	IL33	9	6246292	3	1.5369
rs1048274	IL33	9	6246292	1	3.270742
rs1048274	IL33	9	6246292	7	0.38871
rs8172	IL33	9	6247898	1	5.79807
rs33962342	UHRF2	9	6496038	5	0.747163
rs33962342	UHRF2	9	6496038	7	0.336272
rs7848919	GLDC	9	6522477	3	0.063234
rs7848919	GLDC	9	6522477	4	1.193387
rs7848919	GLDC	9	6522477	5	0.706998

rs1061407	GLDC	9	6522544	1	2.412076
rs1061407	GLDC	9	6522544	5	2.002972
rs1061407	GLDC	9	6522544	3	1.541286
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rs1061407	GLDC	9	6522544	4	1.864956
rs1061407	GLDC	9	6522544	6	1.550575
rs35374927	GLDC	9	6600326	5	1.334928
rs10976088	JMJD2C	9	7164813	5	6.280111
rs10976088	JMJD2C	9	7164813	4	0.154697
rs2279776	PTPRD	9	8379364	5	0.703316
rs2279776	PTPRD	9	8379364	4	0.592518
rs2279776	PTPRD	9	8379364	1	0.219028
rs2279776	PTPRD	9	8379364	7	1.758702
rs2279776	PTPRD	9	8379364	2	3.377404
rs3763653	PTPRD	9	8508395	3	0.675267
rs683	TYRP1	9	12699305	3	0.583344
rs683	TYRP1	9	12699305	1	2.493045
rs683	TYRP1	9	12699305	4	0.545163
SNP9-12811695	C9orf150	9	12811695	1	2.86357
rs4741289	MPDZ	9	13180163	4	3.827814
rs7858	NFIB	9	14077769	4	0.30117
rs3209160	ZDHHC21	9	14608316	4	0.874375
rs10961689	FREM1	9	14727506	3	2.239466
rs4741426	FREM1	9	14737412	7	1.726999
rs10738380	FREM1	9	14791687	3	0.768429
SNP9-14791710	FREM1	9	14791710	1	0.415637
SNP9-14791710	FREM1	9	14791710	3	1.278057
rs7023244	FREM1	9	14809370	3	1.780785
rs7023244	FREM1	9	14809370	1	0.456166
rs2665515	PSIP1	9	15454743	3	0.155592
rs4741510	C9orf93	9	15581372	5	1.025329
rs2296863	BNC2	9	16405411	5	2.214863
rs2296863	BNC2	9	16405411	1	2.626356
rs2296863	BNC2	9	16405411	8	0.579954
rs2296864	BNC2	9	16405459	8	0.197613
rs2296864	BNC2	9	16405459	5	1.310452
rs3739715	BNC2	9	16425714	5	0.968266
rs3739715	BNC2	9	16425714	8	0.365124
rs3739715	BNC2	9	16425714	1	1.15328
rs7860932	LOC648570	9	16776898	3	0.686665
rs3739489	C9orf39	9	17384996	4	0.209784
rs3739489	C9orf39	9	17384996	3	0.776922
rs41304755	ADAMTSL1	9	18819952	3	3.786835
rs10117672	NULL	9	18899703	8	0.112839
rs10117672	NULL	9	18899703	3	0.323422
rs10117672	NULL	9	18899703	4	0.858297

rs10117672	NULL	9	18899703	2	4.473411
rs11794832	NULL	9	18900581	7	0.209501
rs7021572	C9orf138	9	18940895	3	0.45833
rs17810415	C9orf138	9	19022907	1	0.040209
rs10963922	C9orf138	9	19023058	3	0.442491
rs10511670	FAM29A	9	19048743	7	0.889678
rs10511670	FAM29A	9	19048743	1	5.38826
rs13286328	FAM29A	9	19066673	3	0.01001
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rs10964136	ASAH3L	9	19424980	5	6.515391
rs12343276	ASAH3L	9	19441807	7	0.748414
rs12349140	LOC392288	9	19451193	6	0.653789
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rs4977308	SLC24A2	9	19612268	7	0.370969
rs4977881	KIAA1797	9	20978426	5	1.005889
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rs2298260	PTPLAD2	9	21019330	3	1.476944
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rs1334811	TEK	9	27180655	1	1.611038



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rs639225	TEK	9	27192870	5	0.812554
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rs542913	TEK	9	27195021	1	5.133862
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rs3737188	TEK	9	27203580	4	1.477346
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rs7037246	TEK	9	27219544	8	1.188819
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rs857	TEK	9	27219786	2	2.732777
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rs9987817	TEK	9	27220152	1	4.615392
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rs3739527	IFNK	9	27516480	6	0.797757
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rs16918170	LOC392301	9	32323630	8	2.283289
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rs10813831	DDX58	9	32516146	2	2.444882
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rs10869119	LOC347097	9	70414748	1	4.144689
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rs4750	GKAP1	9	85544331	5	0.159744
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SNP9-85663935	KIF27	9	85663935	1	0.188162
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rs1982151	RMI1	9	85807085	7	1.158232
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rs7045576	C9orf47	9	90800749	1	1.789361
rs1867	EDG3	9	90809604	2	2.702022
rs1867	EDG3	9	90809604	1	2.138068
rs12519	SHC3	9	90817902	3	0.472134
rs12519	SHC3	9	90817902	1	2.871161
rs4876978	C9orf164	9	91166340	2	6.107763
rs4876978	C9orf164	9	91166340	6	2.050291
rs4876978	C9orf164	9	91166340	7	1.411558
rs4876978	C9orf164	9	91166340	3	2.356458
rs4876978	C9orf164	9	91166340	5	1.850656
rs13283164	C9orf164	9	91169258	3	0.248111
rs11526468	SEMA4D	9	91193499	3	0.361329
rs11526468	SEMA4D	9	91193499	5	3.517191
rs1542479	DIRAS2	9	92412869	4	0.843222
rs1542479	DIRAS2	9	92412869	7	0.037461
rs726214	DIRAS2	9	92413821	1	4.387597
rs726214	DIRAS2	9	92413821	5	0.353217
rs1049164	SYK	9	92698027	1	3.021935
rs7874056	AUH	9	93127443	1	3.749268
rs10820900	ROR2	9	93535429	5	5.059938
rs10820900	ROR2	9	93535429	4	0.77278
rs16907720	ROR2	9	93539618	3	0.862837
rs16907720	ROR2	9	93539618	4	0.097695
rs16907720	ROR2	9	93539618	5	2.969201
rs1058751	IARS	9	94012737	7	9.164506
rs710162	NOL8	9	94099611	1	4.341421
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rs710162	NOL8	9	94099611	6	3.65012

rs710162	NOL8	9	94099611	3	0.014712
rs4298540	NOL8	9	94099654	3	0.062596
rs7027898	NOL8	9	94107867	1	4.350023
rs7027898	NOL8	9	94107867	6	0.250142
rs7027898	NOL8	9	94107867	3	0.213933
rs17678735	NOL8	9	94117648	3	0.157595
rs10123342	CENPP	9	94127645	1	4.444129
rs10123342	CENPP	9	94127645	6	0.453556
rs10123342	CENPP	9	94127645	8	1.827937
rs1053446	OGN	9	94186582	1	6.650029
rs1380	OGN	9	94187255	1	4.884429
rs1053441	OGN	9	94187661	3	0.188724
rs1053441	OGN	9	94187661	6	1.313539
SNP9-94219000	OMD	9	94219000	3	0.796741
rs17519719	ASPN	9	94258420	3	0.223319
rs8067	ASPN	9	94258650	1	4.569908
rs8067	ASPN	9	94258650	3	0.172415
rs3174352	ASPN	9	94259069	3	0.326142
rs3174352	ASPN	9	94259069	1	3.626031
rs17591776	ASPN	9	94259140	3	0.163669
rs2296667	ECM2	9	94314159	6	0.675117
rs2296667	ECM2	9	94314159	3	1.364303
rs2296667	ECM2	9	94314159	1	6.038015
rs968040	ECM2	9	94319806	1	4.037371
SNP9-94415289	CENPP	9	94415289	3	0.369994
rs2277170	IPPK	9	94436533	3	0.042421
rs7045305	EEF1DP2	9	94639646	7	0.600218
rs7045305	EEF1DP2	9	94639646	5	1.383566
rs3802381	FGD3	9	94778602	7	0.276591
rs3802381	FGD3	9	94778602	1	1.35559
rs4073460	FGD3	9	94837820	5	0.020658
rs4073460	FGD3	9	94837820	4	0.832385
rs4073460	FGD3	9	94837820	6	1.491975
rs4073460	FGD3	9	94837820	1	0.737987
rs4744201	WNK2	9	95055077	5	0.914281
rs4744201	WNK2	9	95055077	1	3.894948
rs4744201	WNK2	9	95055077	6	4.665025
rs4744201	WNK2	9	95055077	3	0.448966
SNP9-95061133	WNK2	9	95061133	3	0.279207
SNP9-95061133	WNK2	9	95061133	1	2.817756
SNP9-95061133	WNK2	9	95061133	5	7.823352
SNP9-95061133	WNK2	9	95061133	6	0.157557
rs4744216	WNK2	9	95092116	1	3.522521
rs1055710	FAM120AOS	9	95254749	5	0.790021
rs1055710	FAM120AOS	9	95254749	3	0.972989
rs1055710	FAM120AOS	9	95254749	1	2.661333
rs7038310	PHF2	9	95447741	6	0.468286



rs7038310	PHF2	9	95447741	3	0.45105
rs1536690	ZNF169	9	96095131	4	3.06015
rs1536690	ZNF169	9	96095131	2	3.362957
rs1536690	ZNF169	9	96095131	8	4.280505
rs1048510	FBP2	9	96360948	1	2.373249
rs1048510	FBP2	9	96360948	7	1.177992
rs2296707	FBP1	9	96441607	3	2.860147
rs357564	PTCH1	9	97249415	3	1.009017
rs357564	PTCH1	9	97249415	7	0.693559
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rs690528	LOC375748	9	97678109	6	0.34681
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rs10512243	C9orf102	9	97815280	1	6.369836
rs2066479	HSD17B3	9	98037631	3	0.522543
rs2066484	HSD17B3	9	98104217	3	1.336082
rs2066474	HSD17B3	9	98104246	5	2.286399
rs7030316	HABP4	9	98290284	1	4.611615
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rs2493444	KIAA1529	9	99089791	4	2.066379
rs2487874	KIAA1529	9	99089793	4	0.682955
rs3747504	KIAA1529	9	99114267	3	1.587542
rs3747504	KIAA1529	9	99114267	7	0.380124
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SNP9-99127166	KIAA1529	9	99127166	7	0.29685
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rs1947717	KIAA1529	9	99145556	5	1.225646
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rs2061634	KIAA1529	9	99145603	4	1.432282
rs3747495	KIAA1529	9	99162112	7	0.42506
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rs11581	KIAA1529	9	99178982	2	0.684506

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rs898870	KIAA1529	9	99179217	7	0.414358
rs1800975	XPA	9	99499399	3	1.807622
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rs10984009	FOXE1	9	99658481	6	2.809338
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rs3802475	C9orf156	9	99724540	7	0.797751
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rs3183927	C9orf156	9	99724578	8	2.740747
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rs1573025	TBC1D2	9	100031251	7	0.598589
rs10124070	GABBR2	9	100091700	1	2.499878
rs2808536	GABBR2	9	100380122	5	1.689854
rs10760479	ANKS6	9	100538385	4	4.819118
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rs2273846	GALNT12	9	100651156	3	0.127878
rs2075662	COL15A1	9	100788055	4	2.667198
rs2297603	COL15A1	9	100818086	4	4.073938
rs420549	TGFBR1	9	100954694	5	0.105201
rs1526267	NR4A3	9	101629566	2	2.35512
rs1526267	NR4A3	9	101629566	6	2.192721
rs1526267	NR4A3	9	101629566	5	0.693957
rs10988904	NR4A3	9	101635506	4	0.106149
rs10988904	NR4A3	9	101635506	6	5.768388
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rs2900223	NR4A3	9	101636142	5	0.085703
rs1131339	NR4A3	9	101667123	7	0.821788
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rs2780955	LOC347273	9	102389031	3	0.359693
rs13302189	LOC644160	9	102533779	8	0.434184
rs4742792	LOC644160	9	102533937	3	3.656658
rs7043029	BAAT	9	103163583	5	1.191817
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rs2229594	BAAT	9	103164485	5	1.680249
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rs1572983	BAAT	9	103173449	5	0.593595
rs546577	ZNF189	9	103212757	5	0.998725
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rs17772869	ALDOB	9	103223706	4	2.425953
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rs17187712	C9orf125	9	103278551	7	1.218681
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rs16920477	RNF20	9	103342446	1	3.988952
rs10521057	RNF20	9	103364366	5	1.206734
rs10521057	RNF20	9	103364366	6	0.588276
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rs1983812	GRIN3A	9	103372864	1	0.654701
rs3824473	GRIN3A	9	103374598	2	2.156434
rs10989563	GRIN3A	9	103425532	6	4.787436
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rs10820341	CYLC2	9	104820583	5	2.533133
rs3818626	SMC2	9	105896454	1	2.89126
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rs3818626	SMC2	9	105896454	6	0.634472
rs10991205	LOC347281	9	106078011	3	0.114739
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rs1851724	OR13C5	9	106400743	3	0.788312

rs10761054	OR13C9	9	106419716	1	1.299479
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rs12338899	OR13D1	9	106497546	3	1.234402
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rs10761084	NIPSNAP3B	9	106570973	5	3.724983
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rs10820730	NIPSNAP3B	9	106575843	3	0.457866
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rs363717	ABCA1	9	106584521	1	0.085323
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rs7031748	ABCA1	9	106631093	5	0.940015
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rs2274873	ABCA1	9	106642499	7	0.538179
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rs2230806	ABCA1	9	106660688	6	0.190521
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rs10979601	IKBKAP	9	110700672	6	0.542698
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rs12340246	IKBKAP	9	110719693	7	0.705532
rs2275639	IKBKAP	9	110735980	7	0.738917
rs2275640	IKBKAP	9	110736035	7	0.417883
rs10979727	EPB41L4B	9	110976609	7	0.275458
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rs10979729	EPB41L4B	9	110978747	7	0.686101
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rs3793524	PTPN3	9	111259295	7	0.360008
rs12376235	LOC402375	9	111335604	2	0.792952
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rs3741894	PALM2	9	111751340	4	0.693795
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rs7041938	TXNDC8	9	112131344	1	2.167402
rs1410049	SVEP1	9	112206518	7	6.737721
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rs3739451	SVEP1	9	112206613	1	2.518646
rs2281937	SVEP1	9	112208947	1	3.157221
rs7853155	SVEP1	9	112236495	3	1.540577
rs1889323	SVEP1	9	112249016	6	0.46451
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rs7038903	SVEP1	9	112261068	3	2.409659
rs872665	SVEP1	9	112301304	4	1.845106
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rs872665	SVEP1	9	112301304	7	0.844191
rs3818764	SVEP1	9	112316177	1	6.789428
rs2274419	MUSK	9	112577943	3	2.528347
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rs955888	EDG2	9	112677483	7	0.321493
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rs955888	EDG2	9	112677483	8	7.248286
rs955888	EDG2	9	112677483	1	0.309734
rs6477824	ZNF483	9	113327274	5	0.643465
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rs10759501	ZNF483	9	113345397	2	4.121701
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rs10759501	ZNF483	9	113345397	3	0.463833
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SNP9-113399445	LTB4DH	9	113399445	4	0.308285

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rs6477845	C9orf84	9	113502143	3	0.016431
rs11791445	C9orf84	9	113516569	7	0.339727
rs12352352	C9orf84	9	113524604	7	0.142832
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rs10512411	C9orf84	9	113530050	2	3.932814
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rs7470491	C9orf84	9	113530129	3	0.418776
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rs14255	ROD1	9	114021199	6	3.569104
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rs2233914	FKBP15	9	115023361	2	6.040877
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rs10817479	WDR31	9	115125244	5	1.153674
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rs4713	PPP2R4	9	130950626	5	0.288206
rs4713	PPP2R4	9	130950626	2	2.388898
rs4713	PPP2R4	9	130950626	8	6.517242
rs4713	PPP2R4	9	130950626	6	7.470672
rs4713	PPP2R4	9	130950626	7	0.241607
rs913770	C9orf106	9	131124442	3	0.011064
rs6478890	C9orf106	9	131125058	5	0.178078
rs6478890	C9orf106	9	131125058	3	1.129815
rs6478890	C9orf106	9	131125058	4	0.371553
rs7034728	C9orf106	9	131125114	3	1.828338
rs913772	C9orf106	9	131125456	6	0.686046
rs913772	C9orf106	9	131125456	3	0.354697
SNP9-131415253	C9orf50	9	131415253	1	1.320893
rs918165	C9orf50	9	131417721	6	0.706668
rs16936946	TOR1B	9	131609353	2	6.364392
rs3814547	C9orf78	9	131636842	4	1.29391
rs709611	FREQ	9	132038180	1	5.191463
rs11552451	FREQ	9	132038378	1	5.240579
rs10901072	ASS1	9	132336047	5	0.510078
rs10901072	ASS1	9	132336047	3	1.354422
rs4740197	LOC158301	9	132443241	4	0.722824
rs2229070	ABL1	9	132749850	5	0.550127
rs2229070	ABL1	9	132749850	4	3.034534
rs3847193	QRFP	9	132758990	6	2.106704
rs3847193	QRFP	9	132758990	8	2.463515
rs3847193	QRFP	9	132758990	5	0.501266
rs11789517	FIBCD1	9	132767814	5	0.433182
rs12349966	LAMC3	9	132918166	3	0.768206
rs12349966	LAMC3	9	132918166	5	1.329184
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rs3739510	LAMC3	9	132926392	8	0.011114
rs3739510	LAMC3	9	132926392	1	3.569088
rs3739510	LAMC3	9	132926392	3	0.819242
rs10901345	LAMC3	9	132936736	5	1.374712

rs10901345	LAMC3	9	132936736	3	1.926407
rs2275140	LAMC3	9	132937870	1	0.127591
rs818056	LAMC3	9	132957061	7	1.298581
rs818056	LAMC3	9	132957061	5	0.942044
rs818056	LAMC3	9	132957061	3	1.351111
rs710074	LAMC3	9	132957116	3	1.425569
rs710074	LAMC3	9	132957116	7	0.849692
rs353510	C9orf58	9	132986324	4	0.410236
rs353510	C9orf58	9	132986324	5	0.224481
rs1043169	C9orf58	9	132987364	4	0.118893
rs9966	FAM78A	9	133126069	1	0.544327
rs9966	FAM78A	9	133126069	7	0.34384
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rs4740427	FAM78A	9	133141684	8	0.463186
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rs4740427	FAM78A	9	133141684	1	3.464986
rs7041276	PPAPDC3	9	133155069	7	0.795893
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rs7029366	PPAPDC3	9	133155189	8	1.649988
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rs2966332	PPAPDC3	9	133173200	7	0.106095
rs2986606	PPAPDC3	9	133173324	7	1.220662
rs2483476	PPAPDC3	9	133173734	4	5.389005
rs2483476	PPAPDC3	9	133173734	8	4.377651
rs1541122	PPAPDC3	9	133174294	4	0.742638
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rs1541122	PPAPDC3	9	133174294	7	0.09688
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SNP9-133324409	KIAA0515	9	133324409	5	0.165259
SNP9-133340279	KIAA0515	9	133340279	4	0.3046
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rs3887873	POMT1	9	133375256	4	2.845202
rs2296949	POMT1	9	133375257	6	0.646712
rs4740164	POMT1	9	133376602	6	4.462221
rs3739494	POMT1	9	133377309	6	4.418641
rs3739495	POMT1	9	133388355	6	0.059995
rs10793885	POMT1	9	133388592	6	0.777844
rs4740167	LOC642515	9	133423284	5	1.26996
rs11243480	RAPGEF1	9	133575002	6	0.371692

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rs2149171	NTNG2	9	134092075	5	0.068606
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rs2231403	C9orf98	9	134743831	1	4.303122
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rs667805	GFI1B	9	134856514	6	0.914907
rs637435	GTF3C5	9	134922056	3	0.638298
rs7324	GTF3C5	9	134923582	8	7.388444
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rs7324	GTF3C5	9	134923582	7	0.115606
rs1062356	RALGDS	9	134963900	5	0.741743
rs1062356	RALGDS	9	134963900	4	0.37131
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rs2073924	GBGT1	9	135027563	5	0.794967
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rs2073923	GBGT1	9	135027666	5	0.078445
rs2073923	GBGT1	9	135027666	8	0.418945
rs11244035	OBP2B	9	135071140	3	0.078729
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rs8176749	ABO	9	135121009	4	3.592316
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rs8176745	ABO	9	135121168	8	0.511519
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rs8176743	ABO	9	135121236	4	2.588633
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rs8176740	ABO	9	135121293	5	0.618167
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rs8176720	ABO	9	135122694	1	3.460869
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rs512770	ABO	9	135123327	1	5.443033
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rs549446	ABO	9	135125059	5	0.449056
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rs688976	ABO	9	135126591	8	1.523368
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rs10793964	SURF6	9	135188410	1	5.127559
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rs622415	MED22	9	135198014	2	7.331351
rs616836	MED22	9	135203342	3	0.225419
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rs553877	MED22	9	135204776	3	0.644573
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rs553877	MED22	9	135204776	7	0.470688
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SNP9-135260359	C9orf96	9	135260359	6	3.055393
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rs3124782	C9orf96	9	135260817	3	1.516565
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rs3124782	C9orf96	9	135260817	2	1.961703
rs3118667	ADAMTS13	9	135280884	3	0.671143
rs3118667	ADAMTS13	9	135280884	7	1.317675
rs3118667	ADAMTS13	9	135280884	1	0.61812
rs3118667	ADAMTS13	9	135280884	2	3.545173
rs2301612	ADAMTS13	9	135291803	7	0.37759
rs2301612	ADAMTS13	9	135291803	1	4.180925
rs2301612	ADAMTS13	9	135291803	3	0.141668
rs3124768	ADAMTS13	9	135294318	7	0.685876
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GA026127	C9orf7	9	135318478	3	0.554907
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GA026127	C9orf7	9	135318478	2	5.009055
GA026127	C9orf7	9	135318478	4	0.602826
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rs45489391	C9orf7	9	135325696	2	2.48132
rs3094378	SLC2A6	9	135326989	2	3.649561
rs17758315	RP13-388O5.1	9	135369711	3	0.521898
rs2073874	ADAMTSL2	9	135401991	7	0.140679
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GA007926	ADAMTSL2	9	135424419	7	0.530311
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rs129932	SARDH	9	135526500	3	2.321594
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rs886016	SARDH	9	135545450	5	0.081129
rs2073817	SARDH	9	135549281	7	1.057023
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rs2502740	SARDH	9	135551188	7	0.177245
rs573904	SARDH	9	135588967	3	0.908629
rs509590	VAV2	9	135618591	6	0.676933
rs509590	VAV2	9	135618591	8	0.449661
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rs602990	VAV2	9	135633815	5	0.637761
rs7865299	VAV2	9	135652749	5	0.025176
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rs7851696	FCN2	9	136918912	5	1.535204
rs7851696	FCN2	9	136918912	2	2.63983
rs4521835	FCN2	9	136919127	7	0.728369
rs500461	OLFM1	9	137121948	4	4.802671
rs10858334	OLFM1	9	137129606	4	0.3765
rs10858334	OLFM1	9	137129606	7	0.647384
rs10858334	OLFM1	9	137129606	3	1.23243
rs11103684	OLFM1	9	137151891	6	0.781365
rs2254812	KIAA0649	9	137515693	6	8.683557
rs2254812	KIAA0649	9	137515693	4	6.015474
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rs45618736	OBP2A	9	137580983	3	0.24721
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rs2280486	BTBD14A	9	138044957	3	0.056556
rs2275107	BTBD14A	9	138048071	8	5.865259
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rs10781499	CARD9	9	138386226	2	4.119631
rs10781499	CARD9	9	138386226	3	1.087054

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rs10781499	CARD9	9	138386226	7	0.690184
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rs33982662	INPP5E	9	138444558	8	0.563196
rs33982662	INPP5E	9	138444558	3	0.54156
rs33982662	INPP5E	9	138444558	4	0.048064
rs10870194	INPP5E	9	138446855	2	0.566728
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rs1139057	C9orf163	9	138500141	4	0.541307
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rs45494498	EGFL7	9	138686942	4	0.132412
SNP9-138736563	FAM69B	9	138736563	7	0.222406
rs7038042	FAM69B	9	138737447	8	0.82757
rs7038042	FAM69B	9	138737447	5	3.645705
rs7038042	FAM69B	9	138737447	6	4.337083
rs6874	FAM69B	9	138737657	3	0.399059
rs6873	FAM69B	9	138738104	6	1.452838
rs6873	FAM69B	9	138738104	8	1.869521
rs6873	FAM69B	9	138738104	3	0.2907

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rs2282258	LCN8	9	138769433	7	1.327856
rs945386	KIAA1984	9	138813417	2	1.061043
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rs7859194	KIAA1984	9	138814390	6	0.524354
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rs7859194	KIAA1984	9	138814390	7	0.297514
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rs2811795	KIAA1984	9	138820426	6	0.04046
rs2811795	KIAA1984	9	138820426	7	1.039764
rs2254143	KIAA1984	9	138820929	6	2.025561
rs2254143	KIAA1984	9	138820929	7	0.6402
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rs2811748	C9orf86	9	138846060	3	2.64417
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rs45449193	MAMDC4	9	138868304	8	0.042456
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rs2049043	FLJ45224	9	138996950	4	2.847213
rs7029565	FLJ45224	9	138998138	5	0.446123
rs2292925	ENTPD2	9	139065184	5	0.657576
rs2292925	ENTPD2	9	139065184	8	0.887676
rs2292925	ENTPD2	9	139065184	6	1.117645
rs3750517	C9orf140	9	139078117	6	0.05362
rs3750517	C9orf140	9	139078117	5	0.921997
rs3750517	C9orf140	9	139078117	8	0.686192
rs867476	C9orf140	9	139078404	6	0.156106
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rs6606582	ENTPD8	9	139452299	4	0.599734
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rs11137410	PNPLA7	9	139534231	3	0.904038
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rs904960	ADARB2	10	1219009	4	0.63402
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rs1781931	AKR1CL1	10	5187881	5	2.469525
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rs2280076	CCDC3	10	12978967	8	0.387844



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rs10752280	CCDC3	10	12980383	1	1.491019
rs34630110	MCM10	10	13254759	1	0.86876
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rs7096907	LOC645120	10	19066847	6	1.555378
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rs10827628	C10orf112	10	19924270	6	3.28019
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rs7094131	LOC643475	10	22887445	7	0.623215
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rs2307047	C10orf63	10	25311276	3	0.899395
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rs3737056	ANKRD26	10	27429320	7	1.093755
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rs2505327	PTCHD3	10	27727971	6	3.843355
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rs2253230	MKX	10	28004476	4	1.210611
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rs4948550	BICC1	10	60258559	1	2.283407
rs4948550	BICC1	10	60258559	5	0.189642
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rs2280449	TMEM26	10	62839957	5	0.917676
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rs1535539	DNA2	10	69901707	1	2.677509



rs1535539	DNA2	10	69901707	6	0.701793
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rs10823229	CXXC6	10	70002586	7	0.659487
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rs10999250	LRRRC20	10	71731005	4	1.211356
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SNP10-71996406	KIAA1274	10	71996406	6	0.590981
rs3740444	KIAA1274	10	71996689	1	1.262523
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rs3740442	KIAA1274	10	71996948	6	1.444687
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rs1889490	PRF1	10	72027719	3	0.214053
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rs10823607	ADAMTS14	10	72170769	2	0.171917
rs2587475	ADAMTS14	10	72183688	7	0.407555
rs2587475	ADAMTS14	10	72183688	5	1.446157
rs2587475	ADAMTS14	10	72183688	1	0.295105
rs10999516	ADAMTS14	10	72187836	5	0.48243
rs827249	SGPL1	10	72299573	7	4.730491
rs1060184	UNC5B	10	72729364	6	0.073513
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rs1060184	UNC5B	10	72729364	3	0.302853
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rs1084004	SLC29A3	10	72791951	8	5.870646
rs2275579	SLC29A3	10	72793082	4	1.618816
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rs3802720	CDH23	10	72940912	3	1.24071
rs10999947	CDH23	10	73104912	1	0.578513
rs3752752	CDH23	10	73125207	5	0.82808
rs3752752	CDH23	10	73125207	3	0.0513
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rs3752751	CDH23	10	73125279	3	0.506617
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rs1227065	CDH23	10	73162085	3	1.230503
rs1227051	CDH23	10	73171562	1	0.01291
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rs1227051	CDH23	10	73171562	3	0.922706
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rs748113	C10orf54	10	73178797	3	0.631123
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rs3802711	CDH23	10	73214092	8	0.595714
rs11592462	CDH23	10	73220123	1	1.794244
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rs10466026	CDH23	10	73220975	5	3.143649
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rs2290021	CDH23	10	73244849	4	0.700896
rs2070188	PSAP	10	73280988	5	0.562845
rs3740129	CHST3	10	73437865	5	0.26293
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rs1871452	CHST3	10	73442667	1	5.250543
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rs703258	VCL	10	75549517	3	0.036858
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rs12768275	LOC399783	10	79163930	4	2.304395
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rs1143694	MAT1A	10	82030032	4	0.279548
rs1143694	MAT1A	10	82030032	8	1.275949
rs1143694	MAT1A	10	82030032	3	1.011486
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rs11185932	LOC727923	10	82285378	7	3.562619
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rs12257181	SH2D4B	10	82394116	4	0.986182
rs17107451	SH2D4B	10	82394945	3	0.275081
rs11186419	SH2D4B	10	82395063	8	3.265709
rs7087704	SH2D4B	10	82395234	1	0.455229
rs7087704	SH2D4B	10	82395234	5	0.501232
rs7081754	SH2D4B	10	82395520	2	1.372345
rs7081754	SH2D4B	10	82395520	3	0.268133

rs7081754	SH2D4B	10	82395520	5	0.982668
rs7077636	SH2D4B	10	82395567	4	0.840859
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rs1059341	PCDH21	10	85966945	6	0.058655
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rs10887673	MMRN2	10	88692370	6	1.891003
rs3750823	MMRN2	10	88707134	3	1.659226
rs760113	SNCG	10	88709769	7	0.319545
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rs2296545	C10orf59	10	90332817	6	0.289699
rs2296545	C10orf59	10	90332817	5	0.327934
rs1214464	LIPK	10	90502286	7	0.488495

rs41284088	LIPN	10	90514315	3	1.44444
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rs17382301	CH25H	10	90956373	2	3.562461
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rs4933504	IFIT2	10	91057575	5	0.486492
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rs3780878	IFIT3	10	91089610	7	0.05251
rs3780878	IFIT3	10	91089610	3	0.251077
rs17119665	IFIT3	10	91089637	8	0.608088
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rs1126480	MPHOSPH1	10	91493640	1	0.27718

rs3740040	hCG_2024094	10	91587406	1	1.436664
rs3740040	hCG_2024094	10	91587406	5	1.26707
rs10881718	LOC119358	10	91728735	6	1.914124
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rs746842	5-Mar	10	94040968	3	0.06658
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rs1057848	5-Mar	10	94102136	8	0.134169
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rs1057848	5-Mar	10	94102136	3	0.267137
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rs2490741	EXOC6	10	94584545	3	0.070166
rs11187225	EXOC6	10	94704407	6	0.441771
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rs7070947	LOC387703	10	94957066	5	4.667833
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rs7070947	LOC387703	10	94957066	2	2.836952
rs11187393	FER1L3	10	95097418	4	1.584569
rs11187393	FER1L3	10	95097418	1	4.938193



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rs12781149	PDE6C	10	95362754	6	1.485076
rs714550	PDE6C	10	95379031	1	1.298259
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rs714550	PDE6C	10	95379031	2	2.915796
rs2275438	C10orf4	10	95444671	7	0.545434
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rs12768993	PIPSL	10	95708027	5	0.132075
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rs17517313	PLCE1	10	96077718	1	2.421548
rs12572897	NOC3L	10	96104825	3	1.510171
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rs1042192	CYP2C18	10	96485274	3	0.046893
rs4244285	CYP2C19	10	96531606	3	0.159128
VG10S3890	CYP2C9	10	96731043	3	0.123422
rs1057911	CYP2C9	10	96738727	3	1.925063
rs9332242	CYP2C9	10	96738883	7	0.396797
rs9332242	CYP2C9	10	96738883	5	0.397424
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rs1058932	CYP2C8	10	96786851	4	2.793628
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rs10509681	CYP2C8	10	96788739	2	4.715539
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rs1058930	CYP2C8	10	96808109	4	5.013978
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rs11188225	C10orf129	10	96944350	3	0.267171
rs689207	C10orf129	10	96975533	3	0.535494
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rs688706	C10orf129	10	96975691	3	0.084624
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rs9313	SORBS1	10	97061862	2	3.616979
rs2281939	SORBS1	10	97164342	8	0.538236
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rs3814556	C10orf83	10	99366142	7	0.652773
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rs11190581	WNT8B	10	102233377	7	0.908357
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rs4751871	TACC2	10	123836475	3	0.070388
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rs7100442	BTBD16	10	124056721	4	1.303117
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rs3817281	BTBD16	10	124086025	1	0.580261
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rs2293436	FAM24A	10	124660288	4	0.074818
rs3736582	PSTK	10	124732885	1	3.67981
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rs11245950	MUC2	11	1084629	3	0.373254
rs6421972	MUC2	11	1086494	3	0.601261
rs6421972	MUC2	11	1086494	5	0.096468
rs11245954	MUC2	11	1091078	1	4.038243
rs7126405	MUC2	11	1093296	1	3.788242
rs7126405	MUC2	11	1093296	5	0.585061
rs35783651	NULL	11	1146646	7	0.245713
rs4072884	BRSK2	11	1439296	6	1.091163
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rs2585	IGF2	11	2107020	4	5.031769
rs7873	IGF2	11	2107273	5	0.923487
rs2230949	IGF2	11	2110764	6	1.554761
rs1003483	IGF2AS	11	2124119	3	0.05587
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rs10770125	IGF2AS	11	2125590	7	1.414231
rs3741205	IGF2AS	11	2126460	1	1.917894

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rs6357	TH	11	2144814	5	1.838534
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rs2072072	ASCL2	11	2246772	6	1.170962
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rs1129782	SLC22A18	11	2900247	4	3.962619
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rs1056819	PHLDA2	11	2906437	6	7.561292
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rs2411767	NAP1L4	11	2949929	6	0.276046
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rs905871	OR51D1	11	4617861	6	3.50057
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rs1030726	OR51F1	11	4746844	3	1.040538
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rs11038346	TRIM6	11	5590621	7	1.318634
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rs10769224	OR52N1	11	5766249	3	2.908937
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rs10839708	NLRP14	11	7035614	5	0.618304
rs10839708	NLRP14	11	7035614	2	1.375424
rs10839708	NLRP14	11	7035614	3	1.084493
rs10839708	NLRP14	11	7035614	1	1.91211
rs17280682	NLRP14	11	7048145	4	0.367391
rs17280682	NLRP14	11	7048145	3	1.293468
rs17280682	NLRP14	11	7048145	2	0.905476
rs17280682	NLRP14	11	7048145	8	0.030632
rs17280682	NLRP14	11	7048145	5	0.001144
rs17280682	NLRP14	11	7048145	1	0.408412
rs4344466	SYT9	11	7444917	5	0.410292
rs4344466	SYT9	11	7444917	4	2.014573
rs10732509	SYT9	11	7445448	1	0.579528
rs10732509	SYT9	11	7445448	4	0.675618
rs10732510	SYT9	11	7445503	1	2.123441
rs10732510	SYT9	11	7445503	4	0.470734
rs10732510	SYT9	11	7445503	2	0.722026
rs10732510	SYT9	11	7445503	8	0.790181
rs4408288	SYT9	11	7446016	4	0.886528
rs4408288	SYT9	11	7446016	2	3.182616
rs4408288	SYT9	11	7446016	5	1.297877
rs4351800	SYT9	11	7446395	1	5.397428
rs4351800	SYT9	11	7446395	4	0.088685
rs12803046	OLFML1	11	7487561	1	3.102233
rs3884596	OLFML1	11	7488751	3	8.325927
rs3884596	OLFML1	11	7488751	8	2.934689
rs3884596	OLFML1	11	7488751	7	0.381676
rs11041490	PPFIBP2	11	7613385	1	0.650744
rs11041490	PPFIBP2	11	7613385	6	0.409424
rs945888	CYB5R2	11	7651338	3	0.659819
rs4509745	OVCH2	11	7669047	3	1.145745

rs4509745	OVCH2	11	7669047	1	3.12875
rs4509745	OVCH2	11	7669047	4	0.500355
rs4633461	OVCH2	11	7669099	3	0.593223
SNP11-7678550	OVCH2	11	7678550	3	0.901111
rs1482791	OR5P3	11	7803784	5	1.381464
rs1482791	OR5P3	11	7803784	7	0.538887
rs1482791	OR5P3	11	7803784	4	0.636886
rs1482791	OR5P3	11	7803784	6	0.573821
rs4758258	OR10A6	11	7905926	7	0.309195
rs12363522	NLRP10	11	7938670	3	0.426028
rs17847539	TUB	11	8017807	2	1.630009
rs17323959	TUB	11	8081804	4	3.160434
rs4758291	TUB	11	8081870	5	0.97797
rs11041742	TUB	11	8083499	3	0.383331
rs11041742	TUB	11	8083499	8	4.278822
rs11041742	TUB	11	8083499	6	1.043592
rs1055233	TUB	11	8084071	6	0.653225
SNP11-8116419	RIC3	11	8116419	5	0.744386
SNP11-8116419	RIC3	11	8116419	3	0.2233
SNP11-8116433	RIC3	11	8116433	5	0.353327
rs1042359	LMO1	11	8202757	4	0.234241
rs3750952	LMO1	11	8208497	8	0.248225
rs3750952	LMO1	11	8208497	2	0.408056
rs3750952	LMO1	11	8208497	4	0.575774
rs7934876	STK33	11	8370177	7	0.858522
rs7934876	STK33	11	8370177	4	0.034831
rs7934876	STK33	11	8370177	3	0.085833
rs7934876	STK33	11	8370177	2	1.736324
rs35296353	STK33	11	8370805	3	0.719458
rs3751096	STK33	11	8391654	8	4.757671
rs3751096	STK33	11	8391654	2	1.237849
rs3751096	STK33	11	8391654	1	0.245421
rs3751096	STK33	11	8391654	7	0.655153
rs3751096	STK33	11	8391654	4	1.751855
rs1446464	STK33	11	8442886	8	5.097145
rs1446464	STK33	11	8442886	7	0.821686
rs1446464	STK33	11	8442886	1	0.596378
rs1446464	STK33	11	8442886	3	0.924542
rs2289923	STK33	11	8453092	7	1.068995
rs2289923	STK33	11	8453092	1	1.81961
rs2289923	STK33	11	8453092	8	1.735323
rs2289923	STK33	11	8453092	3	0.743044
rs2289921	STK33	11	8453187	8	1.92435
rs2289921	STK33	11	8453187	2	1.725431
rs2289921	STK33	11	8453187	7	0.025528
rs2289921	STK33	11	8453187	1	0.519359
rs2073687	RPL27A	11	8663809	1	4.040846

rs10840112	RPL27A	11	8667087	1	0.599966
rs3812762	ST5	11	8708216	4	0.014835
rs3812762	ST5	11	8708216	6	0.572672
rs3812762	ST5	11	8708216	7	0.395267
rs3812762	ST5	11	8708216	8	7.738828
rs3794153	ST5	11	8708465	6	3.776795
rs3794153	ST5	11	8708465	3	0.027023
rs3794153	ST5	11	8708465	4	0.133543
rs2653601	C11orf16	11	8899518	2	0.072859
rs2653601	C11orf16	11	8899518	4	0.5889
rs2653601	C11orf16	11	8899518	1	0.621014
rs2653601	C11orf16	11	8899518	7	0.032619
rs11042127	C11orf16	11	8904162	7	0.921435
rs11042127	C11orf16	11	8904162	3	0.184472
rs1136966	SCUBE2	11	8998907	7	1.421577
rs1136966	SCUBE2	11	8998907	2	1.908383
rs1136966	SCUBE2	11	8998907	1	1.807559
rs1367	SCUBE2	11	8999145	1	2.865658
rs1367	SCUBE2	11	8999145	7	0.086626
rs3751057	SCUBE2	11	9008051	1	2.465363
rs3751057	SCUBE2	11	9008051	7	0.055575
rs3751055	SCUBE2	11	9025622	3	0.654267
rs3751055	SCUBE2	11	9025622	8	0.62981
GA009535	TMEM41B	11	9292647	1	4.869978
GA009535	TMEM41B	11	9292647	6	3.812778
rs4910052	IPO7	11	9411950	3	0.140625
rs7102464	SBF2	11	9836414	5	0.27148
rs899011	AMPD3	11	10433474	6	1.10347
rs899011	AMPD3	11	10433474	2	1.014579
rs899011	AMPD3	11	10433474	1	0.225493
rs899011	AMPD3	11	10433474	8	3.577665
rs899011	AMPD3	11	10433474	5	1.569621
rs11042836	AMPD3	11	10460312	5	0.284748
rs11042883	MRVI1	11	10554247	4	0.139495
rs11042883	MRVI1	11	10554247	3	2.606328
rs11042883	MRVI1	11	10554247	6	1.091928
rs2241489	MRVI1	11	10604278	8	0.26683
rs2241489	MRVI1	11	10604278	3	0.821643
rs2241489	MRVI1	11	10604278	6	0.74107
rs2278125	MRVI1	11	10606905	7	0.679162
rs2278125	MRVI1	11	10606905	3	1.547627
rs11345	LOC729013	11	10856885	8	8.77733
rs11345	LOC729013	11	10856885	4	0.216755
rs11345	LOC729013	11	10856885	1	3.40103
rs11345	LOC729013	11	10856885	3	0.903917
rs2270511	MICAL2	11	12222118	3	0.976745
rs2270511	MICAL2	11	12222118	6	0.784308



SNP11-12272218	MICALCL	11	12272218	8	3.854443
rs3812754	MICALCL	11	12272965	4	0.025171
rs10831923	TEAD1	11	12917502	1	3.807469
rs10831923	TEAD1	11	12917502	8	0.672256
rs10831923	TEAD1	11	12917502	5	0.098432
rs10831923	TEAD1	11	12917502	4	0.210044
rs16911836	TEAD1	11	12918836	5	8.458844
rs16911836	TEAD1	11	12918836	4	0.076026
rs16911836	TEAD1	11	12918836	2	6.88853
rs1507535	LOC729147	11	13816574	3	0.008164
rs12794714	CYP2R1	11	14870151	7	0.584166
rs12794714	CYP2R1	11	14870151	2	5.801785
rs12794714	CYP2R1	11	14870151	8	0.663292
rs12794714	CYP2R1	11	14870151	5	0.066018
rs12274674	CALCB	11	15056271	8	1.263
rs12274674	CALCB	11	15056271	3	0.155905
rs12274674	CALCB	11	15056271	4	0.249672
rs3928	CALCB	11	15056472	4	2.710559
rs3928	CALCB	11	15056472	3	0.116239
rs3928	CALCB	11	15056472	8	1.626436
rs1054952	INSC	11	15224173	1	0.090512
rs1054952	INSC	11	15224173	7	3.415253
rs1054952	INSC	11	15224173	4	0.156428
rs1054952	INSC	11	15224173	8	0.60952
rs1054952	INSC	11	15224173	2	1.102103
rs1054952	INSC	11	15224173	5	2.641915
rs10832616	AKR1B1P3	11	16462666	1	0.123462
rs1846936	C11orf58	11	16716820	1	0.51648
rs1846936	C11orf58	11	16716820	8	1.547741
rs1846936	C11orf58	11	16716820	2	0.278916
rs217750	PLEKHA7	11	16794364	4	0.097498
rs217750	PLEKHA7	11	16794364	3	0.717589
rs217750	PLEKHA7	11	16794364	8	5.285807
rs214087	NUCB2	11	17254941	7	4.408206
rs214087	NUCB2	11	17254941	6	0.479255
rs10832778	DKFZp686O24166	11	17350649	3	0.042308
rs10832778	DKFZp686O24166	11	17350649	2	4.017969
rs10832778	DKFZp686O24166	11	17350649	8	0.244177
rs10832778	DKFZp686O24166	11	17350649	6	0.025871
rs10832781	DKFZp686O24166	11	17353093	3	0.053375
rs10832781	DKFZp686O24166	11	17353093	6	2.299007
rs10832782	DKFZp686O24166	11	17353849	2	1.891096
rs10832782	DKFZp686O24166	11	17353849	3	0.659811
rs10832782	DKFZp686O24166	11	17353849	7	0.068008
rs2285676	KCNJ11	11	17364601	3	0.402495
rs2285676	KCNJ11	11	17364601	6	1.748121
rs5213	KCNJ11	11	17364980	8	1.134841

rs5213	KCNJ11	11	17364980	2	1.163464
rs5213	KCNJ11	11	17364980	3	1.232631
rs5213	KCNJ11	11	17364980	6	1.345017
rs5215	KCNJ11	11	17365206	2	0.374497
rs5215	KCNJ11	11	17365206	3	1.417716
rs5215	KCNJ11	11	17365206	6	0.659751
rs1800467	KCNJ11	11	17365407	1	4.295188
rs5219	KCNJ11	11	17366148	3	0.557438
rs5219	KCNJ11	11	17366148	6	1.051372
rs757110	ABCC8	11	17375053	2	4.731425
rs757110	ABCC8	11	17375053	6	0.900145
rs757110	ABCC8	11	17375053	3	2.314725
rs1799857	ABCC8	11	17409068	1	0.527045
rs1799857	ABCC8	11	17409068	3	0.633267
rs1799857	ABCC8	11	17409068	5	0.026847
rs1055581	USH1C	11	17472244	7	1.576072
rs1055581	USH1C	11	17472244	5	0.308158
rs1055577	USH1C	11	17472269	3	0.547971
rs1055577	USH1C	11	17472269	5	1.56869
rs1055577	USH1C	11	17472269	7	1.267874
rs1055577	USH1C	11	17472269	1	0.902046
rs1055574	USH1C	11	17472409	3	1.036811
rs1055574	USH1C	11	17472409	2	1.453384
rs1055574	USH1C	11	17472409	1	1.220471
rs1055574	USH1C	11	17472409	7	1.339119
rs1055574	USH1C	11	17472409	5	0.236008
rs1064074	USH1C	11	17476318	4	2.233808
rs1064074	USH1C	11	17476318	2	3.219271
rs1064074	USH1C	11	17476318	8	1.877851
rs11024333	OTOG	11	17571779	7	0.950985
rs875696	OTOG	11	17571825	8	4.380358
rs10832824	OTOG	11	17620020	2	2.463209
rs10832824	OTOG	11	17620020	5	1.773493
SNP11-18065088	SAAL1	11	18065088	7	0.150657
rs11024532	MRGPRX4	11	18151924	8	3.342091
rs11024532	MRGPRX4	11	18151924	6	2.986614
rs7936382	LOC645312	11	18167390	8	5.204717
rs7936382	LOC645312	11	18167390	6	5.1409
rs16935005	LOC645319	11	18175254	5	0.19855
rs4757627	LOC494141	11	18187865	1	5.404602
rs4757627	LOC494141	11	18187865	8	2.363653
rs10741739	HPS5	11	18284260	5	0.37918
rs10741739	HPS5	11	18284260	6	0.801592
rs10741739	HPS5	11	18284260	3	0.922609
rs10741739	HPS5	11	18284260	4	2.761734
rs4150530	HPS5	11	18300270	6	0.293725
SNP11-18590473	SPTY2D1	11	18590473	2	1.89772

rs16935599	SPTY2D1	11	18593057	7	3.480217
SNP11-18694905	IGSF22	11	18694905	8	0.182446
SNP11-18694905	IGSF22	11	18694905	6	3.161385
rs1550870	PTPN5	11	18707617	5	0.172596
rs1550870	PTPN5	11	18707617	8	0.995089
rs7946550	LOC390101	11	18950041	8	0.022603
rs7946550	LOC390101	11	18950041	5	0.28264
rs7126647	MRGPRX2	11	19033193	4	1.360798
rs7126647	MRGPRX2	11	19033193	7	1.962096
rs7126647	MRGPRX2	11	19033193	3	1.082152
rs7126647	MRGPRX2	11	19033193	5	1.777463
rs7126647	MRGPRX2	11	19033193	8	1.549051
rs7126647	MRGPRX2	11	19033193	6	0.59488
rs7112398	MRGPRX2	11	19033234	4	2.041522
rs7112398	MRGPRX2	11	19033234	7	3.287447
rs7112398	MRGPRX2	11	19033234	3	2.27968
rs4757028	NAV2	11	20055688	1	6.010008
rs4757028	NAV2	11	20055688	7	0.345687
rs6483642	NAV2	11	20056117	7	0.049725
rs1443547	SLC6A5	11	20579551	5	3.390584
rs8176789	NELL1	11	21538381	4	0.894587
rs8176789	NELL1	11	21538381	3	0.814264
rs4312063	TMEM16E	11	22199305	8	0.861589
rs4312063	TMEM16E	11	22199305	1	5.194271
rs4312063	TMEM16E	11	22199305	7	0.380956
rs4312063	TMEM16E	11	22199305	5	0.799916
rs7481951	TMEM16E	11	22228446	7	1.265362
rs7481951	TMEM16E	11	22228446	1	5.883161
rs7481951	TMEM16E	11	22228446	5	1.532943
rs7481951	TMEM16E	11	22228446	3	0.538408
rs922571	GAS2	11	22653027	8	2.194843
rs922571	GAS2	11	22653027	2	1.761626
rs922571	GAS2	11	22653027	3	1.353656
rs2302423	LOC645581	11	22825513	2	1.229378
rs3213706	LOC645581	11	22837578	2	0.786855
rs3213706	LOC645581	11	22837578	4	0.678642
rs3213706	LOC645581	11	22837578	5	0.246993
rs10500994	LUZP2	11	25056805	5	1.022968
rs10500994	LUZP2	11	25056805	3	1.196365
rs1531394	TMEM16C	11	26310219	3	0.005094
rs1531394	TMEM16C	11	26310219	4	0.154594
rs7946841	TMEM16C	11	26613139	8	6.124429
rs7946841	TMEM16C	11	26613139	5	0.089149
rs7946841	TMEM16C	11	26613139	2	2.652635
rs3802753	TMEM16C	11	26638963	6	1.64696
rs3802754	TMEM16C	11	26639010	4	0.461726
rs3802754	TMEM16C	11	26639010	6	1.386574

rs3802754	TMEM16C	11	26639010	3	0.652408
rs3802754	TMEM16C	11	26639010	5	0.976748
rs3802755	TMEM16C	11	26639410	4	0.198256
rs3802755	TMEM16C	11	26639410	3	0.515558
rs2305095	BBOX1	11	27033553	8	9.481888
rs10734392	CCDC34	11	27328116	3	0.001245
rs10734392	CCDC34	11	27328116	8	1.254298
rs10734392	CCDC34	11	27328116	1	5.787271
rs10734392	CCDC34	11	27328116	5	0.738859
rs7124442	BDNF	11	27633617	2	0.197017
rs7124442	BDNF	11	27633617	1	0.767806
rs7124442	BDNF	11	27633617	4	0.685389
rs7124442	BDNF	11	27633617	8	0.145176
rs6265	BDNFOS	11	27636492	3	0.660499
rs2726836	HSP90AA2	11	27868222	5	1.828406
rs11821836	LOC645846	11	29704373	3	3.252292
rs506197	FSHB	11	30212399	4	1.857264
rs506197	FSHB	11	30212399	3	1.726159
rs506306	FSHB	11	30212443	3	2.620348
rs676349	FSHB	11	30212558	3	0.796025
rs13642	MPPED2	11	30388796	3	1.248094
rs2616815	DCDC1	11	31283892	4	0.35929
rs2616815	DCDC1	11	31283892	1	3.429065
rs5030317	WT1	11	32366913	3	1.750401
rs5030317	WT1	11	32366913	1	1.777966
rs5030317	WT1	11	32366913	2	0.323069
rs16754	WT1	11	32374521	1	0.487137
rs7946086	WIT1	11	32417666	8	5.448214
rs966191	DEPDC7	11	33009683	4	6.298993
rs966191	DEPDC7	11	33009683	1	6.409074
rs966191	DEPDC7	11	33009683	3	0.834717
rs966191	DEPDC7	11	33009683	8	2.272487
rs12420931	CD59	11	33682725	1	5.100543
rs11032349	CD59	11	33686248	3	0.173802
rs3740616	LMO2	11	33837472	7	0.909628
rs3740616	LMO2	11	33837472	5	0.224968
rs3740616	LMO2	11	33837472	3	7.690727
rs3740617	LMO2	11	33837592	5	0.687243
rs3740617	LMO2	11	33837592	6	0.085028
rs3740617	LMO2	11	33837592	8	3.076751
rs2038602	LMO2	11	33842870	7	0.526594
rs2038602	LMO2	11	33842870	5	0.279726
rs2038602	LMO2	11	33842870	2	1.882614
rs2038602	LMO2	11	33842870	6	0.327932
rs1535719	ELF5	11	34457142	1	5.680827
rs1535719	ELF5	11	34457142	6	5.648575
rs1535719	ELF5	11	34457142	4	0.147317

rs10836251	LOC729710	11	34491707	7	1.231914
rs10836251	LOC729710	11	34491707	1	5.284451
rs10836251	LOC729710	11	34491707	8	0.95105
rs10836251	LOC729710	11	34491707	3	0.156637
rs286925	EHF	11	34599244	7	1.533257
rs286925	EHF	11	34599244	4	0.261556
rs2281910	EHF	11	34624719	3	0.207741
rs2281910	EHF	11	34624719	1	0.676328
rs2281910	EHF	11	34624719	2	2.731853
rs286891	EHF	11	34636976	4	0.954142
rs286891	EHF	11	34636976	7	3.809829
rs286887	EHF	11	34639343	4	1.151766
rs1977420	APIP	11	34866973	3	1.242985
SNP11-34873233	APIP	11	34873233	2	3.453139
SNP11-34873233	APIP	11	34873233	6	1.50735
rs497582	PDHX	11	34948303	1	4.046098
rs1071695	CD44	11	35158418	3	1.020056
rs1467558	CD44	11	35186249	7	0.266037
rs3088168	SLC1A2	11	35229844	5	0.431624
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rs3751121	FLRT1	11	63641050	6	0.928874
rs947939	FLRT1	11	63641863	3	0.459715
rs947939	FLRT1	11	63641863	1	1.207436
rs947939	FLRT1	11	63641863	5	0.333086
rs677447	FLRT1	11	63642280	1	1.31614
rs677447	FLRT1	11	63642280	6	0.240063
rs677447	FLRT1	11	63642280	4	3.616736
rs677447	FLRT1	11	63642280	2	1.553134
rs677447	FLRT1	11	63642280	3	0.887152
rs677447	FLRT1	11	63642280	5	0.710639
rs663149	FLRT1	11	63643115	2	8.710609
rs663149	FLRT1	11	63643115	3	0.53399
rs663149	FLRT1	11	63643115	4	0.23923
rs663149	FLRT1	11	63643115	5	3.928681
rs663149	FLRT1	11	63643115	1	0.912319
rs2286612	NUDT22	11	63750806	7	0.177094
rs3741403	DNAJC4	11	63756105	5	0.124767
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rs3741403	DNAJC4	11	63756105	2	2.438062
rs953778	KCNK4	11	63823575	6	1.338749
SNP11-63865694	CCDC88B	11	63865694	7	0.866372
rs685870	CCDC88B	11	63868504	7	0.978853
rs612448	CCDC88B	11	63881091	7	0.818233
rs600377	CCDC88B	11	63881516	7	0.106243
rs9734313	SLC22A12	11	64114887	5	0.765355
rs9734313	SLC22A12	11	64114887	1	2.337042
rs11231825	SLC22A12	11	64116850	5	4.097795

rs607969	MEN1	11	64332081	4	6.154584
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rs10792447	CDC42BPG	11	64348548	2	2.45229
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rs10792447	CDC42BPG	11	64348548	7	1.03606
rs3741395	CDC42BPG	11	64354082	6	0.501261
rs3741395	CDC42BPG	11	64354082	4	0.717917
rs3741395	CDC42BPG	11	64354082	7	0.223209
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rs1211284	EHD1	11	64402447	7	0.25958
rs1211284	EHD1	11	64402447	6	6.576282
rs673995	GPHA2	11	64458776	3	0.233502
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rs542175	SNX15	11	64562846	2	5.553077
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SNP11-6456381	SNX15	11	64563811	8	0.722179
rs11605377	CDC45	11	64602146	3	0.119635
rs13807	FAU	11	64645610	6	6.478919
rs3953797	LOC728975	11	64704853	7	0.335762
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rs2073800	FRMD8	11	64917705	3	0.774737
rs1144924	TncRNA	11	64960137	5	0.835115
rs12790427	PCNXL3	11	65141303	4	0.049844
rs1193851	PCNXL3	11	65142782	2	2.748621
rs1193851	PCNXL3	11	65142782	7	7.067056
rs1193851	PCNXL3	11	65142782	3	0.731187
rs746429	SIPA1	11	65174010	1	1.365186
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rs746429	SIPA1	11	65174010	3	0.751283
rs746429	SIPA1	11	65174010	4	0.26644
rs610037	DKFZp761E198	11	65303433	5	0.652115
rs610037	DKFZp761E198	11	65303433	7	0.893185
rs610037	DKFZp761E198	11	65303433	2	2.966818
rs610037	DKFZp761E198	11	65303433	4	0.827779
rs610037	DKFZp761E198	11	65303433	3	1.069291
rs656040	FLJ30934	11	65377633	8	4.894553
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rs656040	FLJ30934	11	65377633	1	4.244901

rs656040	FLJ30934	11	65377633	3	0.933664
rs13817	MUS81	11	65384910	1	1.777395
rs13817	MUS81	11	65384910	3	0.450843
rs659857	MUS81	11	65386508	7	0.981978
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rs34891773	MUS81	11	65387937	6	1.766089
rs630303	MUS81	11	65388549	7	1.689727
rs630303	MUS81	11	65388549	3	1.615222
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rs491973	TSGA10IP	11	65483877	2	1.494959
rs491973	TSGA10IP	11	65483877	8	0.707365
rs1047464	EIF1AD	11	65526032	2	0.636902
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rs1203998	CATSPER1	11	65550030	2	4.90674
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rs1893316	CATSPER1	11	65550373	3	1.060927
GA028131	SF3B2	11	65583280	3	0.546703
GA028131	SF3B2	11	65583280	6	1.473255
GA028131	SF3B2	11	65583280	2	4.44526
rs3741367	CD248	11	65839705	1	0.90772
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rs3741368	CD248	11	65840358	3	0.206934
rs11550299	DPP3	11	66010661	4	0.349731
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rs2305535	DPP3	11	66028813	8	1.946303
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rs17065	DPP3	11	66033611	8	6.629381
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rs3816492	BBS1	11	66053939	4	0.430657
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rs1815739	ACTN3	11	66084671	6	1.73903
rs540874	ACTN3	11	66086308	3	1.319526
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rs1127894	CTSF	11	66092124	6	2.82237
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rs486584	CCDC87	11	66114702	8	5.137405
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GA028156	CCS	11	66129881	4	0.511946
rs35532855	SPTBN2	11	66214257	3	0.259977
rs623022	SPTBN2	11	66215556	8	6.434323
rs3741194	LRFN4	11	66382810	6	0.87185
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rs3741194	LRFN4	11	66382810	3	0.465226
rs1626067	KIAA1394	11	66949131	5	0.361202
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rs8191439	GSTP1	11	67107873	4	0.438554
rs1695	GSTP1	11	67109265	7	0.445498
rs1695	GSTP1	11	67109265	2	1.950525
rs1695	GSTP1	11	67109265	5	0.309005
rs4024254	C11orf72	11	67127342	5	0.958985
rs4024254	C11orf72	11	67127342	6	0.919517
rs12421329	C11orf72	11	67129053	6	0.86233
rs3127	ALDH3B2	11	67187165	3	0.109945
rs3127	ALDH3B2	11	67187165	2	6.790769
rs2286168	ALDH3B1	11	67545714	8	0.524551
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rs3751082	ALDH3B1	11	67551929	1	0.529499
rs3751082	ALDH3B1	11	67551929	8	3.056572
rs3751082	ALDH3B1	11	67551929	4	4.402077
rs3751082	ALDH3B1	11	67551929	7	0.063509
GA010046	NDUFS8	11	67560650	2	11.81793
rs36027301	TCIRG1	11	67565844	3	0.265946
rs11481	CHKA	11	67576911	2	5.519087
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rs11481	CHKA	11	67576911	1	0.081089
rs11481	CHKA	11	67576911	4	0.232851
rs6591334	SUV420H1	11	67681135	3	0.052763
rs2277268	LRP5	11	67930698	4	0.25443
rs17149104	LRP5	11	67949206	5	0.743955
rs3736228	LRP5	11	67957871	3	0.489372
rs3736228	LRP5	11	67957871	6	0.242205
rs11574422	LRP5	11	67970565	5	0.848121
rs1996	SAPS3	11	68139167	7	1.491131
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rs1042577	GAL	11	68215046	3	0.294815
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rs2228502	CPT1A	11	68305916	7	0.431816
rs11228356	CPT1A	11	68317363	4	0.8587
rs17610395	CPT1A	11	68318904	4	5.771464
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rs2236654	IGHMBP2	11	68460604	5	7.04324
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rs546382	IGHMBP2	11	68460840	5	5.493331
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rs17612126	IGHMBP2	11	68462250	7	1.26494
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rs896973	TPCN2	11	68608042	8	0.399685
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rs3829241	TPCN2	11	68611939	7	3.85672
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rs3862792	CCND1	11	69172037	6	0.386898
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rs643301	CTTN	11	69957414	4	0.363283
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rs643301	CTTN	11	69957414	6	0.339327
rs2664	KRTAP5-9	11	70937891	5	1.126413
rs2663	KRTAP5-9	11	70937944	1	2.492143
rs392565	PDE2A	11	71968277	1	0.806178
rs2306615	CENTD2	11	72092977	3	0.004694
rs2306615	CENTD2	11	72092977	5	0.203379
rs3741152	P2RY6	11	72686562	1	3.795018
rs7115806	P2RY6	11	72687080	1	5.489985
rs12272360	ARHGEF17	11	72697706	8	2.94095
rs10898932	RAB6A	11	73066237	4	9.4089
rs1792174	MRPL48	11	73176581	7	1.520164
GA010135	CHCHD8	11	73265481	4	1.41845
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rs3741138	PAAF1	11	73298185	6	0.585652
rs653263	DNAJB13	11	73348293	1	0.813924
rs2306819	DNAJB13	11	73358738	5	1.032929
rs2306819	DNAJB13	11	73358738	7	0.498735
rs2306819	DNAJB13	11	73358738	1	1.975345
rs647126	UCP3	11	73389668	1	0.303696
rs647126	UCP3	11	73389668	2	1.29928
rs1800006	UCP3	11	73394902	2	1.884997
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rs1800006	UCP3	11	73394902	6	1.452201
SNP11-73446201	C2CD3	11	73446201	7	0.080105



rs4453265	C2CD3	11	73462974	1	0.273047
rs4453265	C2CD3	11	73462974	5	0.138173
rs4453265	C2CD3	11	73462974	4	1.985507
rs4453265	C2CD3	11	73462974	7	0.555662
rs826058	C2CD3	11	73474565	1	4.69522
rs826058	C2CD3	11	73474565	4	1.669926
rs826058	C2CD3	11	73474565	7	0.840824
rs11235995	C2CD3	11	73484091	4	3.887882
rs3741133	PPME1	11	73642337	4	0.628694
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rs17132882	PPME1	11	73642810	4	1.255633
rs17132882	PPME1	11	73642810	5	7.267884
rs3741132	P4HA3	11	73655891	4	0.046509
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rs8471	PGM2L1	11	73719240	5	0.8019
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rs9516	KCNE3	11	73843926	4	1.29738
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rs9516	KCNE3	11	73843926	6	2.397416
rs7789	KCNE3	11	73843968	1	2.870716
rs12271177	KCNE3	11	73845278	4	1.034545
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rs7948433	CHRD2	11	74097026	6	0.219707
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rs4944961	XRRA1	11	74237129	6	5.734375
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rs2165163	XRRA1	11	74337791	6	0.259695
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rs7115499	NEU3	11	74383250	1	5.156972
rs2851069	SLCO2B1	11	74540004	3	1.593733
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rs877711	ARRB1	11	74672000	1	0.242538
rs877711	ARRB1	11	74672000	4	1.100024
rs651581	SERPINH1	11	74955640	1	2.874995
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rs651581	SERPINH1	11	74955640	6	1.032837
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rs3197153	LRRC32	11	76046720	2	1.050943
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rs3197153	LRRC32	11	76046720	3	0.046334
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rs3781701	LRRC32	11	76047067	5	0.513902
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rs11236839	LRRC32	11	76047561	3	0.642828
rs3824890	LRRC32	11	76047652	7	0.183189
rs1320646	LRRC32	11	76047695	1	1.177082
rs1320645	LRRC32	11	76047736	7	0.661346
rs1320645	LRRC32	11	76047736	1	0.648406
rs10899257	GUCY2E	11	76092857	5	0.405947
rs11546727	TSKU	11	76184536	2	5.458511
SNP11-76315299	PHCA	11	76315299	1	0.131237
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rs2233549	OMP	11	76491758	4	1.960532
rs2277276	CAPN5	11	76513488	1	4.530737
rs2276288	MYO7A	11	76590284	8	0.759982
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rs2276288	MYO7A	11	76590284	2	3.509236
rs2276288	MYO7A	11	76590284	7	6.271622
rs41298757	MYO7A	11	76600516	2	2.322488
rs12363944	GDPD4	11	76605673	3	0.412881
rs2276415	AQP11	11	76978989	4	5.571201
rs2276415	AQP11	11	76978989	5	0.487725
rs588217	C11orf67	11	77261024	1	0.359048
rs588217	C11orf67	11	77261024	6	0.827637
rs588217	C11orf67	11	77261024	3	0.060166
rs11237362	KCTD14	11	77411857	1	3.404686
rs655445	THRSP	11	77456459	5	0.659967
rs655445	THRSP	11	77456459	1	7.351521
rs1263505	ALG8	11	77489638	5	6.464677
rs1263505	ALG8	11	77489638	1	3.142054

rs2510044	USP35	11	77586662	4	0.530282
rs2510044	USP35	11	77586662	1	5.020264
rs2510045	USP35	11	77598211	1	3.583192
rs2510045	USP35	11	77598211	4	1.020062
rs2512527	USP35	11	77598511	1	3.555327
rs2512527	USP35	11	77598511	4	0.473988
SNP11-77598578	USP35	11	77598578	1	4.505023
SNP11-77598578	USP35	11	77598578	4	0.771831
rs2450138	USP35	11	77602518	4	1.827957
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rs1055250	USP35	11	77603356	1	1.232003
rs1055250	USP35	11	77603356	4	0.353984
rs2248407	GAB2	11	77615448	1	5.390025
rs2248407	GAB2	11	77615448	4	4.815573
rs2292572	GAB2	11	77730512	1	4.531417
rs2292572	GAB2	11	77730512	4	0.123479
rs10501429	NARS2	11	77957438	1	0.291485
rs10501429	NARS2	11	77957438	4	1.589635
rs10501429	NARS2	11	77957438	5	8.458336
rs585747	LOC646112	11	79377793	1	2.085808
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rs7118279	CCDC83	11	85308485	1	0.240122
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rs3802854	TMPRSS5	11	113076062	5	1.613693
rs3802854	TMPRSS5	11	113076062	3	0.742734
rs1713676	LOC390251	11	113165786	2	1.744417
rs1713676	LOC390251	11	113165786	7	2.365254
rs1713676	LOC390251	11	113165786	1	2.681814
rs1633550	USP28	11	113174415	4	0.41443
rs1633550	USP28	11	113174415	3	0.006817
rs1062613	HTR3A	11	113351216	1	2.129049
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rs17629751	C11orf71	11	113776432	5	1.170337
rs17629751	C11orf71	11	113776432	3	1.327701
rs7944960	FAM55A	11	113906821	1	1.025386
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rs10891705	FAM55D	11	113947153	1	3.024857
rs11215158	FAM55B	11	114074152	6	2.234575
rs1712838	FAM55B	11	114074264	6	1.346838
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rs11820589	BUD13	11	116139072	4	0.50531
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SNP11-11616081	ZNF259	11	116160810	4	0.433331
rs619054	APOA5	11	116166023	1	0.242092
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rs12225230	KIAA0999	11	116233840	6	7.745255
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rs2305830	CEP164	11	116771522	2	4.48342

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rs2305830	CEP164	11	116771522	7	0.34243
rs521099	CEP164	11	116788189	3	0.208527
rs3741283	DSCAML1	11	116804249	5	1.908078
rs35503235	DSCAML1	11	116897320	5	0.933407
rs11999	FXVD2	11	117196128	3	0.873266
rs11999	FXVD2	11	117196128	4	0.417433
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rs7117314	FXVD2	11	117203972	6	0.702589
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rs491822	TMPRSS13	11	117278058	6	3.697568
rs491822	TMPRSS13	11	117278058	7	0.002664
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rs10892196	TMPRSS13	11	117305293	3	1.54384
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rs3135932	IL10RA	11	117369273	8	1.385113
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rs17121493	IL10RA	11	117370056	3	0.302092
rs2229114	IL10RA	11	117375088	5	0.625835
rs9610	IL10RA	11	117377296	8	0.329806
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rs7123209	TMPRSS4	11	117493864	4	1.243704
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GA028457	ARCN1	11	117978212	5	0.387328
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rs540261	VPS11	11	118452844	5	5.53523
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rs15818	VPS11	11	118457383	1	0.526777
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rs587985	USP2	11	118749305	1	4.006624
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rs12280992	LOC390255	11	119197667	3	0.491875
rs542903	LOC390255	11	119197873	4	3.830405
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rs536069	TECTA	11	120501502	7	0.226185
rs10502247	TECTA	11	120504152	4	0.18138
rs520805	TECTA	11	120505984	8	1.012197
rs586473	TECTA	11	120505994	4	0.177316
rs586473	TECTA	11	120505994	7	1.13173
rs2155369	TECTA	11	120544020	3	1.340311
rs4936621	LOC283155	11	120738021	3	2.777407
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rs11218828	UBASH3B	11	122189565	3	0.353604
rs1057704	C11orf63	11	122335484	7	1.351025
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rs2276075	HSPA8	11	122438012	8	4.991063
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rs2276077	HSPA8	11	122438027	8	8.830704
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rs10790610	OR8D4	11	123282946	4	2.102339
rs17759447	OR10S1	11	123353274	5	0.375672
rs17686210	OR10S1	11	123353331	8	1.877913
rs9326269	LOH11CR2A	11	123521950	7	5.694364
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rs2512167	OR8G5	11	123640648	3	1.071347
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rs4936919	OR8D1	11	123685292	3	0.567899
rs4057750	OR8B4	11	123799587	4	3.08218
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rs10790716	HEPACAM	11	124298926	3	1.057339
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rs3802809	SLC37A2	11	124463607	3	0.683543
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rs506504	CHEK1	11	125030405	6	0.218066
rs2114084	PATE	11	125122820	4	0.266827
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rs1054997	PATE	11	125124023	6	1.632307
rs1056417	PATE	11	125124788	5	0.630758
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rs12224646	FLJ41047	11	125213503	2	0.966876
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rs11220237	FLJ41047	11	125214047	4	1.382327
rs7110718	FLJ41047	11	125214220	3	0.031945
rs3862621	FLJ41047	11	125214437	3	0.835736
rs3851106	FLJ41047	11	125214634	7	1.141885
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rs635346	LOC338667	11	125323615	1	0.837903
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rs635346	LOC338667	11	125323615	7	0.023124
rs635346	LOC338667	11	125323615	4	0.646
rs4937076	LOC338667	11	125331912	7	1.015142
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rs2276061	CDON	11	125336911	6	2.212802
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rs3740909	CDON	11	125394736	2	3.809934
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rs1786702	FOXRED1	11	125644310	5	5.55351
rs3802814	TIRAP	11	125667817	7	0.300532
rs611953	TIRAP	11	125668901	2	4.937728
rs611953	TIRAP	11	125668901	5	0.490908
rs611953	TIRAP	11	125668901	8	5.894424
rs12269776	KIRREL3	11	125896507	5	0.596537
rs675759	KCNJ1	11	128213185	3	1.230348
rs675759	KCNJ1	11	128213185	2	1.416695
rs675388	KCNJ1	11	128213219	3	0.51897
rs673992	KCNJ1	11	128213554	3	0.237977
rs673992	KCNJ1	11	128213554	2	0.792257
rs1231254	KCNJ1	11	128214157	3	0.770798
rs12362800	C11orf45	11	128277347	4	0.190973
rs12362800	C11orf45	11	128277347	2	3.330721
rs6590357	KCNJ5	11	128286549	2	0.450575
rs6590357	KCNJ5	11	128286549	3	0.429116
rs6590357	KCNJ5	11	128286549	1	0.884292
rs6590357	KCNJ5	11	128286549	6	0.606751
rs2846675	KCNJ5	11	128292246	3	0.507937
rs2846675	KCNJ5	11	128292246	1	1.989927
rs2846675	KCNJ5	11	128292246	6	1.035092
rs7925056	KCNJ5	11	128292764	1	0.021759
rs7925056	KCNJ5	11	128292764	6	0.24991
rs10791011	BARX2	11	128826276	1	4.388622
rs11221912	PRDM10	11	129336006	7	5.901921
rs11221912	PRDM10	11	129336006	4	5.103775
rs704625	ST14	11	129585247	2	7.718427
rs704625	ST14	11	129585247	1	0.429764
rs704625	ST14	11	129585247	4	0.090112

rs704625	ST14	11	129585247	6	0.282427
rs5852	ST14	11	129585275	4	1.119467
rs5852	ST14	11	129585275	6	6.388192
rs5852	ST14	11	129585275	1	0.128382
rs5852	ST14	11	129585275	2	0.312621
rs11222085	ADAMTS8	11	129780959	6	0.864059
rs11222085	ADAMTS8	11	129780959	8	0.232599
rs2131535	ADAMTS8	11	129786698	1	0.51787
rs2291348	ADAMTS8	11	129794327	5	0.184794
rs731446	ADAMTS15	11	129844522	5	0.284665
rs7933829	C11orf44	11	130048092	5	0.049078
rs1050071	SNX19	11	130252441	2	0.509726
rs1050071	SNX19	11	130252441	4	0.82116
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rs1050071	SNX19	11	130252441	3	8.772753
rs4373936	SNX19	11	130281823	5	0.005693
rs4373936	SNX19	11	130281823	1	5.197229
rs4373936	SNX19	11	130281823	4	1.073553
SNP11-13028960	SNX19	11	130289606	2	3.845348
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rs2658859	C11orf39	11	131036433	1	2.649708
rs10894557	OPCML	11	131794070	4	1.131075
rs3360	OPCML	11	131794971	3	0.545625
rs3360	OPCML	11	131794971	5	0.75563
rs3360	OPCML	11	131794971	8	0.322547
rs3360	OPCML	11	131794971	7	0.4227
rs2250123	SPATA19	11	133216006	3	0.794441
rs329652	LOC283174	11	133274909	4	0.232097
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rs3824992	IGSF9B	11	133291800	3	0.8009
rs3802923	IGSF9B	11	133292034	3	0.717556
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rs12800905	IGSF9B	11	133294202	3	1.297864
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rs12800905	IGSF9B	11	133294202	5	0.482745
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rs12800905	IGSF9B	11	133294202	6	4.724415
rs12800905	IGSF9B	11	133294202	7	2.562649
rs329637	IGSF9B	11	133310795	4	2.129979
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rs595986	IGSF9B	11	133319401	5	0.156848
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rs595986	IGSF9B	11	133319401	4	0.694471
rs641024	JAM3	11	133526058	2	4.421217
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rs11607699	NCAPD3	11	133599098	6	0.525522
rs11607699	NCAPD3	11	133599098	3	0.193496
rs12180	VPS26B	11	133621335	6	0.025935
rs12180	VPS26B	11	133621335	2	4.784023
rs12180	VPS26B	11	133621335	3	0.328975
rs12180	VPS26B	11	133621335	1	1.018421
rs2443558	LOC729860	11	133651235	1	2.208161
rs2443558	LOC729860	11	133651235	3	0.723426
rs2443558	LOC729860	11	133651235	5	1.305206
rs2443558	LOC729860	11	133651235	7	0.973637
rs3824995	GLB1L3	11	133663955	4	1.606387
rs3824995	GLB1L3	11	133663955	5	0.865608
rs3824995	GLB1L3	11	133663955	3	2.456111
rs481252	GLB1L3	11	133693752	8	1.005345
rs481252	GLB1L3	11	133693752	1	1.80128
rs7124693	LOC89944	11	133707246	3	0.617617
rs893952	B3GAT1	11	133754559	2	2.524971
rs893952	B3GAT1	11	133754559	8	2.271825
rs893952	B3GAT1	11	133754559	1	0.645057
rs893952	B3GAT1	11	133754559	4	1.592697
SNP12-118463	IQSEC3	12	118463	5	1.445104
SNP12-118463	IQSEC3	12	118463	3	0.768852
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rs542736	SLC6A12	12	169976	1	0.609967
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rs542736	SLC6A12	12	169976	3	0.058589
rs2075228	SLC6A12	12	170148	3	0.416368
rs2075228	SLC6A12	12	170148	1	2.040711
rs2075228	SLC6A12	12	170148	5	0.284221
rs577294	SLC6A13	12	203454	7	1.155908
rs2302258	CCDC77	12	421721	6	3.939224
rs2075033	B4GALNT3	12	514598	6	0.240838
rs2075033	B4GALNT3	12	514598	7	0.717043
rs11063529	B4GALNT3	12	527665	7	0.428725
rs11063529	B4GALNT3	12	527665	2	0.003248
rs11063529	B4GALNT3	12	527665	1	0.182549
rs7298766	B4GALNT3	12	531917	6	0.080462
rs7298766	B4GALNT3	12	531917	1	0.788392

rs7298766	B4GALNT3	12	531917	7	0.043088
rs2245918	NINJ2	12	543776	2	1.435301
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rs2245910	NINJ2	12	543965	3	0.103356
rs2245910	NINJ2	12	543965	2	0.234921
rs2245906	NINJ2	12	544049	3	1.313997
rs34578646	NINJ2	12	545600	3	0.475171
rs1064125	ERC1	12	1471239	6	2.244378
rs1064125	ERC1	12	1471239	1	5.834318
rs35466364	FBXL14	12	1573173	1	5.230947
rs3803163	WNT5B	12	1626221	3	0.220892
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rs2286380	ADIPOR2	12	1767545	7	5.708216
rs2286380	ADIPOR2	12	1767545	2	5.965259
rs1044825	CACNA2D4	12	1771746	1	0.728391
rs1044825	CACNA2D4	12	1771746	6	1.591489
rs1044825	CACNA2D4	12	1771746	4	5.153153
rs1044825	CACNA2D4	12	1771746	5	0.372214
rs2286379	CACNA2D4	12	1772425	2	1.326169
rs2286379	CACNA2D4	12	1772425	1	1.212531
rs2286379	CACNA2D4	12	1772425	5	0.38629
rs2286379	CACNA2D4	12	1772425	6	3.799402
rs2286379	CACNA2D4	12	1772425	4	0.65851
rs2058111	CACNA2D4	12	1773027	6	0.914325
rs2058111	CACNA2D4	12	1773027	5	1.161912
rs2058111	CACNA2D4	12	1773027	1	0.070178
rs34730825	DPC1B	12	1934863	1	0.294664
rs1544514	CACNA1C	12	2428447	8	0.778603
rs11062319	CACNA1C	12	2670910	3	0.639819
rs2907608	C12orf32	12	2867658	7	3.697833
rs2907608	C12orf32	12	2867658	6	0.437609
rs634076	TSPAN9	12	3262819	1	0.697486
rs634076	TSPAN9	12	3262819	2	0.154741
rs634076	TSPAN9	12	3262819	3	0.252037
rs634076	TSPAN9	12	3262819	4	1.156942
rs887305	EFCAB4B	12	3627514	5	3.360775
rs887305	EFCAB4B	12	3627514	7	0.264753
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rs877554	EFCAB4B	12	3627685	6	0.115642
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rs877554	EFCAB4B	12	3627685	7	3.252891
rs877554	EFCAB4B	12	3627685	5	0.372553
rs877554	EFCAB4B	12	3627685	3	0.090932
rs887304	EFCAB4B	12	3627809	1	6.04109
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SNP12-3652908	EFCAB4B	12	3652908	7	0.254433

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rs242017	EFCAB4B	12	3658483	1	4.763704
rs10491974	EFCAB4B	12	3712450	6	1.458271
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rs10491974	EFCAB4B	12	3712450	5	6.965749
rs700481	PARP11	12	3788736	7	0.019044
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rs12823996	PARP11	12	3852736	7	1.159381
rs7315461	LOC399988	12	4077029	4	0.304484
rs7309402	C12orf5	12	4329293	1	5.298956
rs11063112	FGF23	12	4348341	3	0.681752
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rs2241279	FGF6	12	4423644	4	0.878738
rs2241279	FGF6	12	4423644	5	0.922324
SNP12-4572472	DYRK4	12	4572472	7	0.562561
rs3741925	DYRK4	12	4575578	3	0.063676
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rs3741925	DYRK4	12	4575578	2	0.953853
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rs2286582	GALNT8	12	4752036	1	2.673664
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rs758534	KCNA6	12	4789528	5	2.566066
rs2239503	KCNA6	12	4791489	7	1.75501
rs3741930	KCNA5	12	5023408	5	2.558087
rs6332	NTF3	12	5473893	1	0.251083
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rs6332	NTF3	12	5473893	2	1.20443
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rs10849277	NTF3	12	5474196	6	1.038322
rs10849277	NTF3	12	5474196	8	0.84693
rs10849277	NTF3	12	5474196	7	1.026475
rs10849277	NTF3	12	5474196	3	1.020698
SNP12-5948685	VWF	12	5948685	7	1.021839
rs216902	VWF	12	5975648	3	0.221872
rs7312411	VWF	12	6037457	3	2.286406
rs7312411	VWF	12	6037457	1	3.41441
SNP12-6053089	VWF	12	6053089	1	0.757756
rs740842	PLEKHG6	12	6291756	1	3.231939
rs740842	PLEKHG6	12	6291756	7	4.727143

rs740842	PLEKHG6	12	6291756	8	4.814869
rs740842	PLEKHG6	12	6291756	4	10.07127
rs740842	PLEKHG6	12	6291756	3	0.118077
rs4149584	TNFRSF1A	12	6312904	8	5.716362
rs25680	CD27	12	6424889	6	0.067572
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rs1059501	CD27	12	6430834	6	1.426018
rs1059501	CD27	12	6430834	2	2.1601
rs1059501	CD27	12	6430834	4	0.442171
rs1045546	TAPBPL	12	6438168	2	3.840463
rs1045546	TAPBPL	12	6438168	6	0.044582
rs1045546	TAPBPL	12	6438168	3	1.066845
rs2534712	VAMP1	12	6442810	6	1.835856
rs2534712	VAMP1	12	6442810	2	4.864945
rs2534713	VAMP1	12	6442848	8	5.113341
rs2534713	VAMP1	12	6442848	4	5.253699
rs2534713	VAMP1	12	6442848	3	0.06631
rs2534715	VAMP1	12	6443407	3	0.086419
rs2534715	VAMP1	12	6443407	4	0.601046
rs2534717	VAMP1	12	6444010	4	0.255721
rs2534717	VAMP1	12	6444010	8	0.499098
rs2534717	VAMP1	12	6444010	3	0.710191
rs1034969	VAMP1	12	6444117	8	0.317093
rs1034969	VAMP1	12	6444117	4	0.662073
rs1034969	VAMP1	12	6444117	3	0.892645
rs2072375	VAMP1	12	6445305	4	0.707082
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rs2072376	VAMP1	12	6450073	4	0.649198
rs2072376	VAMP1	12	6450073	3	1.216301
rs2072376	VAMP1	12	6450073	6	0.34289
rs3180589	MRPL51	12	6472683	2	4.716038
rs3180589	MRPL51	12	6472683	6	0.261209
rs7976498	MRPL51	12	6472694	2	3.826087
rs7976498	MRPL51	12	6472694	6	1.323366
rs714774	NCAPD2	12	6489545	4	0.16266
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rs714774	NCAPD2	12	6489545	3	0.194393
rs740850	NCAPD2	12	6508377	6	0.920213
rs1136666	GAPDH	12	6514252	6	5.078034
rs1136666	GAPDH	12	6514252	8	6.799929
rs1047792	HOM- <i>TES</i> -103	12	6519360	8	0.351347
GA028649	CHD4	12	6577787	2	6.035218
rs11539542	CHD4	12	6579320	6	4.3576
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rs1639122	CHD4	12	6581408	3	1.239565
rs1639122	CHD4	12	6581408	6	0.250191

rs7964510	ZNF384	12	6657883	7	0.580504
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rs11612427	GPR162	12	6806238	4	0.376139
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rs10744716	LEPREL2	12	6810111	2	1.679438
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rs10744716	LEPREL2	12	6810111	6	0.6916
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rs1984564	MBOAT5	12	6960454	6	1.042572
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rs12146727	C1S	12	7040597	8	3.182184
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rs7965055	C1S	12	7041881	2	3.051282
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rs7306824	CD163L1	12	7419738	7	0.580015
rs10845159	CD163L1	12	7477238	1	0.114159
rs10772331	LOC727815	12	7483406	1	4.267474
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rs4883263	CD163	12	7540751	5	1.538217
rs4294629	NANOG	12	7836826	5	0.581629
rs35297839	FOXJ2	12	8077120	4	0.585274
rs7842	C3AR1	12	8102454	7	0.500603
rs7842	C3AR1	12	8102454	2	3.585209
rs7842	C3AR1	12	8102454	8	2.851069
rs7842	C3AR1	12	8102454	5	0.280036
rs7842	C3AR1	12	8102454	6	1.883533
rs1062836	NECAP1	12	8140317	5	0.051263
rs1062836	NECAP1	12	8140317	6	3.485997
rs2024301	CLEC4A	12	8169448	6	2.958223
rs2024301	CLEC4A	12	8169448	7	0.788999
rs2024301	CLEC4A	12	8169448	5	0.064239
rs10841845	CLEC4E	12	8577700	7	0.354849
rs10841845	CLEC4E	12	8577700	3	1.132438
rs14541	MFAP5	12	8691833	8	1.727919
rs1860967	A2ML1	12	8905022	1	3.652746
rs1860967	A2ML1	12	8905022	8	4.275124
rs1860967	A2ML1	12	8905022	3	0.145288
SNP12-8907723	A2ML1	12	8907723	2	4.778116
rs1476910	A2ML1	12	8912179	6	5.696188

rs1476910	A2ML1	12	8912179	7	0.895389
rs1805723	KLRG1	12	9033564	5	0.064291
rs1805716	KLRG1	12	9054163	7	1.028332
rs1805716	KLRG1	12	9054163	8	1.609755
rs1805716	KLRG1	12	9054163	5	0.547459
rs12826054	KLRG1	12	9054570	7	0.427074
rs12826054	KLRG1	12	9054570	5	0.777234
rs226380	A2M	12	9159740	5	0.898197
rs226380	A2M	12	9159740	7	0.308284
rs226380	A2M	12	9159740	1	2.480256
rs226380	A2M	12	9159740	8	2.850664
rs10842971	PZP	12	9194563	1	0.549551
rs10771357	PZP	12	9196740	8	0.779075
rs10771357	PZP	12	9196740	7	2.354546
rs10771357	PZP	12	9196740	1	0.848407
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SNP12-9204218	PZP	12	9204218	1	1.958019
rs10771407	PZP	12	9236540	1	2.254682
SNP12-9238059	PZP	12	9238059	3	0.534141
SNP12-9238059	PZP	12	9238059	1	2.485678
SNP12-9238059	PZP	12	9238059	5	0.658088
rs1135816	KLRB1	12	9641936	5	1.2634
rs1135816	KLRB1	12	9641936	1	2.285788
rs1135816	KLRB1	12	9641936	4	1.312315
SNP12-9724791	CLEC2D	12	9724791	6	1.063024
SNP12-9724791	CLEC2D	12	9724791	7	0.514424
SNP12-9724791	CLEC2D	12	9724791	4	0.549483
SNP12-9724791	CLEC2D	12	9724791	5	0.014129
rs11052877	CD69	12	9796957	1	1.565542
rs11052877	CD69	12	9796957	5	0.804809
rs917911	CD69	12	9797118	1	0.061155
rs917911	CD69	12	9797118	5	0.555194
rs2232548	KLRF1	12	9877182	5	2.646249
rs7980232	KLRF1	12	9888542	5	6.244244
rs479499	CLEC12A	12	10028824	2	3.733127
rs479499	CLEC12A	12	10028824	4	4.705637
rs494312	CLEC12B	12	10059978	8	3.631846
rs494312	CLEC12B	12	10059978	4	1.761287
rs7315231	CLEC9A	12	10098192	5	1.057396
rs7315231	CLEC9A	12	10098192	1	1.145275
rs7959451	CLEC7A	12	10162322	4	1.147128
rs7959451	CLEC7A	12	10162322	5	0.928931
rs1050289	OLR1	12	10202433	1	4.184905
rs1050286	OLR1	12	10202830	1	3.261717
rs17808009	OLR1	12	10203196	3	0.581254
rs10505755	OLR1	12	10203229	5	0.12842
rs10505755	OLR1	12	10203229	7	1.267848



rs10505755	OLR1	12	10203229	1	1.134424
rs10505755	OLR1	12	10203229	3	1.991835
rs4523782	C12orf59	12	10234360	5	1.025557
rs1049172	KLRK1	12	10417007	1	5.949605
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rs2255336	KLRK1	12	10423593	4	4.917839
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rs1841957	KLRC4	12	10453292	1	3.988187
rs2244387	KLRA1	12	10637652	1	4.023879
rs2168749	KLRA1	12	10639581	1	0.862019
rs2168749	KLRA1	12	10639581	3	1.162329
rs2682484	KLRA1	12	10639670	1	5.255132
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rs1054396	FLJ10292	12	10648122	3	0.35552
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rs1548803	TAS2R8	12	10850298	1	0.556135
rs3741845	TAS2R9	12	10853382	5	0.98207
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rs1047699	PRR4	12	10890975	1	0.169857
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rs1015442	TAS2R13	12	10951962	5	0.858227
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rs10492102	PRH2	12	10977650	5	4.586023
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rs10772397	TAS2R50	12	11029950	5	1.383329
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rs10845279	TAS2R49	12	11040978	5	0.906716
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rs10845280	TAS2R49	12	11040987	4	0.413762
rs12226919	TAS2R49	12	11041300	4	0.478275
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rs12226919	TAS2R49	12	11041300	3	0.426542
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rs12226920	TAS2R49	12	11041313	3	0.156548
rs12226920	TAS2R49	12	11041313	5	0.119015
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rs12318612	TAS2R44	12	11074375	3	1.549245
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rs12318612	TAS2R44	12	11074375	4	0.602593
rs12318612	TAS2R44	12	11074375	7	1.067498
rs1451772	TAS2R42	12	11230017	2	2.347885
rs1451772	TAS2R42	12	11230017	5	1.739586
rs1669413	TAS2R42	12	11230048	1	3.934806
rs1650019	TAS2R42	12	11230250	1	2.510404
rs1863842	PRB4	12	11351330	1	3.035991
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rs11611479	ETV6	12	11883435	4	0.180972
rs2287154	BCL2L14	12	12115810	1	4.379607
rs11054682	BCL2L14	12	12138861	1	4.418007
rs11054683	BCL2L14	12	12138883	1	2.864888
rs1797647	BCL2L14	12	12143345	2	1.762181
rs17375215	MANSC1	12	12375031	5	5.110914
rs3751262	LOH12CR1	12	12509957	2	4.126451
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rs3803098	LOH12CR1	12	12510393	2	4.303171
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rs4237941	LOC644467	12	12612565	3	4.159403
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rs1802173	CREBL2	12	12689037	7	0.044922
rs4763861	GPR19	12	12706005	8	3.828522
rs34330	CDKN1B	12	12761962	7	4.723854
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rs2110596	APOLD1	12	12832097	5	0.38724
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rs1420022	APOLD1	12	12832963	4	2.853935
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rs1061036	GPRC5A	12	12956971	4	0.39216
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rs3825272	HTR7P	12	13046606	7	2.18224
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rs4763924	KIAA1467	12	13099819	2	2.792149
rs3741818	KIAA1467	12	13105804	2	6.042129
rs17821405	C12orf36	12	13417595	7	2.048014
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rs11055390	C12orf36	12	13420903	1	2.973365
rs1805502	GRIN2B	12	13605448	6	0.83148
rs1805502	GRIN2B	12	13605448	5	0.172638
rs1805502	GRIN2B	12	13605448	4	0.744605
rs1805476	GRIN2B	12	13605630	2	0.653012
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rs1805476	GRIN2B	12	13605630	1	0.394896
rs1805503	GRIN2B	12	13606417	1	3.922485
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rs890	GRIN2B	12	13606575	5	0.392349
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rs1806191	GRIN2B	12	13607905	7	1.305974
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rs3026160	GRIN2B	12	13611310	6	1.571236
rs1805482	GRIN2B	12	13656041	3	0.709764
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rs2231908	ATF7IP	12	14468948	4	0.076399
rs3748289	H2AFJ	12	14820934	7	0.143231
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rs7304054	C12orf60	12	14867330	7	0.458612
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rs3088189	ART4	12	14884875	6	0.013133
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rs1861698	ART4	12	14885121	7	0.480152
rs1861698	ART4	12	14885121	3	0.240593
rs1861698	ART4	12	14885121	1	5.60833

rs1861698	ART4	12	14885121	6	0.170427
rs3748299	PTPRO	12	15624936	1	0.436561
rs11056575	PTPRO	12	15639682	6	0.566772
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rs12312266	PIK3C2G	12	18540324	3	0.851455
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rs11044142	PIK3C2G	12	18547492	1	4.948025
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rs10505830	PLCZ1	12	18732382	5	0.533317
rs1075421	CAPZA3	12	18782346	1	0.368547
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rs1844950	LOC400013	12	19985791	6	0.199111
rs4149117	SLCO1B3	12	20902747	3	0.767396
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rs2110161	GOLT1B	12	21561122	1	3.820281
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rs704219	ST8SIA1	12	22246188	3	0.81277
rs3803101	ST8SIA1	12	22378575	7	2.445204
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rs2292488	KIAA0528	12	22588690	8	0.893907
rs2129613	ETNK1	12	22731003	3	0.792224
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rs1043881	BCAT1	12	24855650	8	0.085379
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rs1872644	BCAT1	12	24858424	6	3.676037
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rs1908946	LRMP	12	25134382	6	0.60083
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rs708165	hCG_1794298	12	27125467	2	0.632903
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rs411816	LOC341346	12	27519072	6	2.973014
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SNP12-27692013	PPFIBP1	12	27692013	2	3.150522
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rs1347570	OVCH1	12	29495659	7	1.082821
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rs11050243	OVCH1	12	29508817	6	1.063326
rs11050243	OVCH1	12	29508817	5	1.612502

rs2043623	OVCH1	12	29519283	5	0.931107
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rs3847680	OVCH1	12	29530453	7	2.578869
rs3847680	OVCH1	12	29530453	4	0.15537
rs967181	OVCH1	12	29533840	7	0.836545
rs10843438	OVCH1	12	29539542	6	0.212442
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rs11834712	TMTC1	12	29549461	8	6.049682
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rs12809335	IPO8	12	30739942	3	0.554772
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rs2075333	TSPAN11	12	31026846	6	1.1841
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rs35076	TSPAN11	12	31036151	3	0.102203
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rs7966525	MGC50559	12	31713091	7	1.124059
rs3759295	LOC440093	12	31836252	4	1.836223
rs16919122	C12orf35	12	32026082	5	0.269763
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rs3207618	C12orf35	12	32026193	1	5.631402
rs3759302	C12orf35	12	32026453	5	0.00807
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rs3759299	C12orf35	12	32028779	3	0.02456
rs3759297	C12orf35	12	32029119	5	4.989743

rs1151016	LOC729457	12	32150634	4	0.915164
rs11051966	BICD1	12	32421847	1	1.052031
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rs10735885	SLC2A13	12	38437813	4	4.998029
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rs11176013	LRRK2	12	39000140	3	0.411291
rs11564148	LRRK2	12	39000168	6	5.799387
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rs10878371	LRRK2	12	39002527	3	0.450482
rs3761863	LRRK2	12	39044919	2	2.114093
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rs10878441	LRRK2	12	39048198	3	0.547635
rs3886747	LRRK2	12	39048218	8	4.770317



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rs2114567	MUC19	12	39111754	1	1.213644
rs7966110	MUC19	12	39122001	3	1.586309
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rs12371762	LOC727884	12	40968618	5	4.647023
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rs10735810	VDR	12	46559162	3	1.108249
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rs10506276	DKFZP779L1853	12	46880781	4	0.076664
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rs17823193	OR10AD1	12	46883157	4	3.843255
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rs3013	CCNT1	12	47373923	3	0.621179
rs2291728	CCNT1	12	47396849	5	0.364855
rs1057908	DDX23	12	47516302	3	0.693199
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rs3782357	MLL2	12	47713919	1	0.460588
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rs7296291	LOC643275	12	49030386	1	1.052943
rs7312252	LOC643275	12	49030438	1	1.423011
rs4421818	LOC121006	12	49035561	4	0.507505
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rs12303082	LOC121006	12	49040830	1	2.636797
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rs17291650	ATF1	12	49499700	1	5.219681
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rs7312857	BIN2	12	49993893	4	3.706471
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rs2292221	SLC4A8	12	50188262	8	0.024883
rs2292220	SLC4A8	12	50188516	6	0.955133
rs4761829	SCN8A	12	50367232	1	0.804487
rs60637	SCN8A	12	50487009	1	0.867531
rs3741705	SCN8A	12	50488291	2	2.773767
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rs12368048	ANKRD33	12	50570935	3	0.978164
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rs2252518	ACVR1B	12	50667293	8	5.308931
rs2603751	NR4A1	12	50739549	1	0.743854
rs3660	KRT81	12	50966204	6	0.059803
rs6580873	KRT81	12	50968192	4	0.030691
rs2852456	KRT83	12	50994508	5	0.521531
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rs1732293	KRT84	12	51060572	1	0.915596
rs1732304	KRT84	12	51065511	3	0.365357
rs1732262	KRT82	12	51074279	3	0.633294
rs2852473	KRT82	12	51074570	1	0.872645

rs2852473	KRT82	12	51074570	4	0.181771
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rs2658658	KRT82	12	51075195	2	2.73097
rs2293639	KRT75	12	51104124	4	1.261627
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rs188462	KRT75	12	51104337	7	0.977435
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rs1798640	KRT75	12	51111630	1	2.004204
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rs1798640	KRT75	12	51111630	4	0.098864
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rs298109	KRT75	12	51114085	8	2.402372
rs298109	KRT75	12	51114085	1	0.537002
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rs583678	KRT6C	12	51148881	2	0.791637
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rs11608915	KRT6C	12	51152327	8	3.61522
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rs11608915	KRT6C	12	51152327	2	4.206581
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rs11170164	KRT5	12	51199935	2	1.92458
rs12821071	KRT5	12	51200478	4	0.702459
rs12821071	KRT5	12	51200478	7	7.517198
rs665470	KRT71	12	51232765	3	0.368402
rs665522	KRT71	12	51232810	6	0.181147
rs628819	KRT71	12	51233157	3	0.965337
rs628819	KRT71	12	51233157	6	1.779533
rs13121	KRT74	12	51245972	8	0.887696
rs13121	KRT74	12	51245972	1	0.513214
rs584436	KRT74	12	51246335	3	0.104513
rs584436	KRT74	12	51246335	2	0.628073
rs584436	KRT74	12	51246335	6	1.201708
rs584436	KRT74	12	51246335	1	1.886283
rs11170183	KRT72	12	51267709	4	5.569502
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rs11170183	KRT72	12	51267709	5	3.180212
rs12818575	KRT72	12	51270887	3	0.218943
rs12833456	KRT72	12	51272454	3	0.165798
rs2634041	KRT2	12	51331893	5	1.158835
rs2634041	KRT2	12	51331893	4	1.751577
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rs2634041	KRT2	12	51331893	6	3.536285
rs2634041	KRT2	12	51331893	1	1.103794
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rs10783528	KRT77	12	51374751	6	2.863535
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rs1567759	KRT77	12	51377833	5	1.752562
rs1567759	KRT77	12	51377833	7	3.702576
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rs668313	KRT77	12	51377943	7	1.52202
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rs10876328	LOC400036	12	51412714	5	2.219734
rs2280481	KRT76	12	51448473	5	2.277922
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rs4432093	KRT3	12	51472389	4	2.263016
rs7956809	KRT4	12	51488450	3	0.577898
rs7959052	KRT4	12	51492024	1	1.511598
SNP12-51493895	KRT4	12	51493895	3	1.281346
SNP12-51493895	KRT4	12	51493895	1	6.314938
rs2070910	KRT8	12	51585102	4	1.277264
rs2070910	KRT8	12	51585102	3	0.529131
rs12816417	TENC1	12	51743885	5	0.970224
rs12816417	TENC1	12	51743885	3	0.380288
rs12816417	TENC1	12	51743885	2	5.082938
rs7398691	MFSD5	12	51932152	7	0.176455
rs6580942	ESPL1	12	51948891	5	0.393281
rs6580942	ESPL1	12	51948891	8	5.274025
rs6580942	ESPL1	12	51948891	3	0.861473
rs6580942	ESPL1	12	51948891	4	0.228376
rs6580942	ESPL1	12	51948891	6	0.214367
rs1318648	ESPL1	12	51956812	6	0.314101
rs1318648	ESPL1	12	51956812	4	0.083262
rs1318648	ESPL1	12	51956812	5	0.204239
rs1318648	ESPL1	12	51956812	8	0.230862
rs1318648	ESPL1	12	51956812	2	5.079337
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rs12427129	HOXC11	12	52653957	1	3.221024
rs12427129	HOXC11	12	52653957	6	0.82062
rs2241820	HOXC9	12	52680764	3	0.6688
rs2241820	HOXC9	12	52680764	4	1.221783
rs2241820	HOXC9	12	52680764	1	1.048648
rs2241820	HOXC9	12	52680764	7	0.541319
rs4016778	HOXC5	12	52714638	8	2.563285
rs4016778	HOXC5	12	52714638	3	0.348481

rs2071450	HOXC5	12	52714799	7	0.411844
rs2071450	HOXC5	12	52714799	2	1.397559
rs2071450	HOXC5	12	52714799	1	0.779615
GA010838	HOXC4	12	52735926	8	5.170058
GA010838	HOXC4	12	52735926	3	0.401789
rs1140681	CBX5	12	52937738	1	4.015302
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rs1140681	CBX5	12	52937738	4	1.393999
rs1140681	CBX5	12	52937738	8	1.364421
rs884510	PDE1B	12	53258566	2	2.177276
rs884510	PDE1B	12	53258566	8	3.727477
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rs884510	PDE1B	12	53258566	1	3.716003
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rs1048371	MUCL1	12	53534624	4	1.908392
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rs7301705	OR6C74	12	53927342	1	1.403827
rs7132076	LOC653441	12	54094736	4	6.249505
rs7132076	LOC653441	12	54094736	2	5.065926
rs7304753	OR6C68	12	54172756	6	0.145374
rs10876838	OR10P1	12	54317205	3	0.682153
rs10876838	OR10P1	12	54317205	7	1.726553
rs10876838	OR10P1	12	54317205	6	0.567885
rs10876838	OR10P1	12	54317205	1	0.645365
rs7970885	OR10P1	12	54317540	3	0.792214
rs11171631	OR10P1	12	54317878	5	3.932609
rs17117883	ITGA7	12	54368292	1	5.038906
rs17117883	ITGA7	12	54368292	3	0.682206
rs17117883	ITGA7	12	54368292	6	1.099517
rs17117883	ITGA7	12	54368292	7	3.938039
rs1800974	ITGA7	12	54375624	5	5.228092
rs1800974	ITGA7	12	54375624	3	0.982419
rs1800974	ITGA7	12	54375624	7	1.249434
rs750667	LOC440104	12	54514771	6	0.074077
rs750667	LOC440104	12	54514771	4	0.402225
rs750667	LOC440104	12	54514771	7	0.578631
rs750667	LOC440104	12	54514771	1	0.014543
rs750667	LOC440104	12	54514771	2	0.097836
rs750667	LOC440104	12	54514771	5	0.387902
rs1136082	DGKA	12	54621374	2	1.376897
rs1136082	DGKA	12	54621374	8	1.345397
rs1052165	SILV	12	54637613	2	3.853297
rs1052165	SILV	12	54637613	3	0.572078



rs1052165	SILV	12	54637613	8	1.330695
rs1131017	RPS26	12	54722196	1	4.086179
rs1131017	RPS26	12	54722196	5	0.240827
rs1131017	RPS26	12	54722196	6	0.407324
SNP12-54773468	ERBB3	12	54773468	1	3.805029
rs2271192	FAM62A	12	54817421	4	0.992499
rs2271192	FAM62A	12	54817421	1	2.855327
rs17118409	SLC39A5	12	54917031	3	0.115316
rs11171806	IL23A	12	55019798	3	0.514673
rs2066807	STAT2	12	55026949	3	1.245702
rs2291739	TIMELESS	12	55100920	7	3.481946
rs2291739	TIMELESS	12	55100920	6	0.656272
rs2291739	TIMELESS	12	55100920	5	0.337168
rs2291739	TIMELESS	12	55100920	4	2.722976
rs774027	TIMELESS	12	55108645	4	3.856829
rs774027	TIMELESS	12	55108645	7	1.426926
rs774027	TIMELESS	12	55108645	5	0.704792
rs774027	TIMELESS	12	55108645	2	5.396734
rs774027	TIMELESS	12	55108645	6	7.806148
rs2371455	MIP	12	55130160	3	0.739263
rs2371455	MIP	12	55130160	4	2.872543
rs3809125	MIP	12	55130616	4	1.047242
rs3809125	MIP	12	55130616	3	1.276376
rs3809125	MIP	12	55130616	2	2.605582
rs2657880	SPRYD4	12	55150037	3	0.074779
rs2638315	GLS2	12	55151323	3	0.719342
rs2638315	GLS2	12	55151323	6	0.280742
rs2638315	GLS2	12	55151323	7	1.038606
GA010905	NACA	12	55394470	3	0.659421
GA010905	NACA	12	55394470	5	1.13743
GA010905	NACA	12	55394470	6	6.539768
GA010905	NACA	12	55394470	7	0.240576
rs2279743	LOC390332	12	55663776	1	1.625867
rs2279743	LOC390332	12	55663776	8	0.935662
rs3741578	ZBTB39	12	55680902	6	0.809699
rs3741578	ZBTB39	12	55680902	1	6.752812
rs748894	ZBTB39	12	55684561	8	0.625378
rs12814239	LRP1	12	55855745	8	5.391882
SNP12-55910968	SHMT2	12	55910968	6	1.001808
rs3204635	STAC3	12	55923860	1	0.467547
rs3204635	STAC3	12	55923860	5	0.371212
rs4075325	R3HDM2	12	55936107	1	0.331562
rs4075325	R3HDM2	12	55936107	5	0.078304
rs4075325	R3HDM2	12	55936107	2	3.297802
rs4075325	R3HDM2	12	55936107	8	4.601325
rs4075325	R3HDM2	12	55936107	4	2.51267
rs2228225	GLI1	12	56145698	5	0.065921

rs2228225	GLI1	12	56145698	1	0.690054
rs2228225	GLI1	12	56145698	2	1.143109
rs2228225	GLI1	12	56145698	3	0.612701
rs2228225	GLI1	12	56145698	8	0.746206
rs2228225	GLI1	12	56145698	4	0.031144
rs2228226	GLI1	12	56152088	3	1.161924
rs2228226	GLI1	12	56152088	1	1.079742
rs2228226	GLI1	12	56152088	5	0.400665
rs2228226	GLI1	12	56152088	8	0.358375
rs11544238	ARHGAP9	12	56156422	3	0.038312
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rs11544238	ARHGAP9	12	56156422	7	1.100917
rs34160414	ARHGAP9	12	56157704	7	1.62262
rs2277319	PIP4K2C	12	56280946	1	5.192119
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rs774898	B4GALNT1	12	56313053	5	2.874983
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rs799265	OS9	12	56398456	3	0.678308
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GA029106	CENTG1	12	56412501	6	5.081379
GA029106	CENTG1	12	56412501	4	1.17153
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rs923829	FAM119B	12	56460573	4	1.061796
rs923829	FAM119B	12	56460573	3	0.238869
rs923829	FAM119B	12	56460573	5	1.020108
rs3751325	XRCC6BP1	12	56621893	5	0.77486
rs3751325	XRCC6BP1	12	56621893	1	6.180772
rs3751325	XRCC6BP1	12	56621893	4	2.783959
rs3751325	XRCC6BP1	12	56621893	3	0.364287
rs11172796	LRIG3	12	57565927	5	5.868339
rs11172796	LRIG3	12	57565927	1	6.903915
rs11172796	LRIG3	12	57565927	3	0.694044
rs4432061	SLC16A7	12	58460155	4	1.807845
rs4432061	SLC16A7	12	58460155	1	6.353131
rs10877783	LOC645000	12	60706430	1	1.377977
rs2044846	USP15	12	61064332	4	7.111801
rs2044846	USP15	12	61064332	3	0.598596
rs2044846	USP15	12	61064332	5	1.227071
rs2044846	USP15	12	61064332	8	7.375789
rs2044846	USP15	12	61064332	6	4.49891
rs11174557	MON2	12	61265483	6	0.794178
rs11174557	MON2	12	61265483	1	3.765646
rs10877885	C12orf61	12	61282251	4	5.280571
rs10877901	PPM1H	12	61324905	7	6.794378

rs1532394	PPM1H	12	61325946	5	0.236639
rs1532394	PPM1H	12	61325946	8	5.107744
rs17098126	PPM1H	12	61326530	2	6.085851
rs772580	PPM1H	12	61614824	7	0.748389
rs772580	PPM1H	12	61614824	3	0.111539
rs12426017	hCG_1820764	12	61682539	4	3.359567
rs12426017	hCG_1820764	12	61682539	1	3.56669
rs1042615	AVPR1A	12	61830476	4	0.579758
rs1042615	AVPR1A	12	61830476	3	1.331288
rs1042615	AVPR1A	12	61830476	7	0.166926
rs1042615	AVPR1A	12	61830476	5	0.311487
rs10878073	DPY19L2	12	62348290	6	1.561344
rs10878073	DPY19L2	12	62348290	7	1.051954
SNP12-62771420	SRGAP1	12	62771420	1	4.313215
rs1002392	C12orf56	12	62955357	1	0.148375
rs11609829	LOC729435	12	63018561	3	1.07761
rs11609829	LOC729435	12	63018561	2	0.912352
rs11609829	LOC729435	12	63018561	8	1.123053
rs11609829	LOC729435	12	63018561	4	0.557415
SNP12-63033100	C12orf56	12	63033100	6	1.291018
rs7486100	TBK1	12	63162054	4	0.167996
rs7486100	TBK1	12	63162054	6	0.851332
rs7486100	TBK1	12	63162054	5	0.384545
rs1061743	GNS	12	63394427	8	0.340645
rs17764513	KIAA0984	12	63556483	5	0.157931
rs7311657	KIAA0984	12	63556703	5	0.586074
rs7311657	KIAA0984	12	63556703	7	0.617821
rs7311657	KIAA0984	12	63556703	8	0.171953
rs3741742	KIAA0984	12	63559303	5	0.022501
rs3741742	KIAA0984	12	63559303	7	0.292226
rs3741742	KIAA0984	12	63559303	8	0.092636
rs7316024	MSRB3	12	64143822	2	0.915541
rs7316024	MSRB3	12	64143822	7	0.543992
rs7316024	MSRB3	12	64143822	1	0.171256
rs7316024	MSRB3	12	64143822	4	0.073772
SNP12-64644388	HMGA2	12	64644388	3	0.802877
rs1152888	IRAK3	12	64891495	1	3.449309
rs3741604	HELB	12	64982677	4	0.164208
rs3741604	HELB	12	64982677	5	0.328282
rs17224845	MDM1	12	67006602	4	4.695107
rs2287477	LOC729376	12	67112000	5	0.318637
rs2259588	NUP107	12	67369072	6	0.289421
rs7971479	CPM	12	67533750	7	0.026387
rs7971479	CPM	12	67533750	3	0.067046
rs7971479	CPM	12	67533750	1	3.400357
rs9817	CPM	12	67534215	3	0.276254
rs9817	CPM	12	67534215	1	3.107582

rs9817	CPM	12	67534215	7	0.71328
rs10082893	CPM	12	67551845	7	0.287312
rs10082893	CPM	12	67551845	1	3.233964
rs12184493	CPSF6	12	67950119	1	4.985015
rs3177122	CCT2	12	68281614	3	0.31128
rs28203	LRRRC10	12	68289706	1	0.884105
rs17225440	BEST3	12	68334286	6	0.552244
rs17225440	BEST3	12	68334286	1	1.753412
rs17225440	BEST3	12	68334286	8	0.485653
rs17225440	BEST3	12	68334286	3	1.163479
rs17225440	BEST3	12	68334286	5	0.464964
rs775419	BEST3	12	68369170	5	0.656511
rs775419	BEST3	12	68369170	1	1.357021
rs775419	BEST3	12	68369170	2	0.616005
rs11177879	RAB3IP	12	68497094	1	0.109915
rs11177879	RAB3IP	12	68497094	8	0.94212
rs11177879	RAB3IP	12	68497094	2	3.008127
rs11177879	RAB3IP	12	68497094	4	0.048169
rs11177879	RAB3IP	12	68497094	5	0.876407
rs1882194	RAB3IP	12	68501353	4	0.431013
rs1466711	RAB3IP	12	68502227	7	0.422406
rs1466711	RAB3IP	12	68502227	3	0.408813
rs1466711	RAB3IP	12	68502227	5	4.770273
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rs3752703	PTPRB	12	69214883	7	0.496364
rs3752703	PTPRB	12	69214883	4	0.200884
rs3752703	PTPRB	12	69214883	3	0.891101
rs3752703	PTPRB	12	69214883	5	1.165583
rs1051344	TSPAN8	12	69805363	3	1.235428
rs1051344	TSPAN8	12	69805363	5	0.813615
rs1051344	TSPAN8	12	69805363	4	1.200942
rs1051344	TSPAN8	12	69805363	1	1.864723
rs3763978	TSPAN8	12	69819801	1	2.199362
rs3763978	TSPAN8	12	69819801	5	0.031233
rs3763978	TSPAN8	12	69819801	3	0.987005
SNP12-69824218	TSPAN8	12	69824218	2	3.333999
rs3741688	RAB21	12	70450662	1	5.547964
rs11609372	TBC1D15	12	70604075	1	5.371749
rs17110747	TPH2	12	70712221	5	1.474019
rs11180483	GLIPR1L2	12	74071367	3	1.868843
rs11180483	GLIPR1L2	12	74071367	7	2.353752
rs11180483	GLIPR1L2	12	74071367	5	2.132334
rs11180483	GLIPR1L2	12	74071367	4	2.461626
rs17042412	LOC441642	12	75518380	5	0.053729
rs1587110	LOC727777	12	75797341	1	0.959082
rs1587110	LOC727777	12	75797341	7	0.846595

rs1587110	LOC727777	12	75797341	6	0.747352
rs7958377	E2F7	12	75940098	2	3.445538
rs7958377	E2F7	12	75940098	1	0.060213
rs310831	E2F7	12	75943472	1	0.312641
rs310831	E2F7	12	75943472	2	6.83695
rs366527	NAV3	12	77066830	6	0.310546
rs9971904	NAV3	12	77123022	7	0.595203
rs3803039	NAV3	12	77129759	4	3.30489
rs10778677	LOC338756	12	78464026	3	5.22211
rs10778679	LOC338756	12	78476708	3	0.342245
rs10862089	NULL	12	79223606	5	0.156764
rs10862089	NULL	12	79223606	7	0.001432
rs1551118	C12orf64	12	79285561	6	5.722969
rs1551118	C12orf64	12	79285561	8	0.738733
rs1551122	C12orf64	12	79289931	6	1.438544
rs1551122	C12orf64	12	79289931	5	0.108734
rs1551122	C12orf64	12	79289931	4	0.418195
rs2717477	C12orf64	12	79295944	6	1.091733
rs1153046	PTPRQ	12	79598034	5	2.147363
rs1153046	PTPRQ	12	79598034	1	2.713224
rs1153046	PTPRQ	12	79598034	3	1.136069
rs3121	MYF6	12	79627052	1	0.459845
rs1047185	MYF6	12	79627275	2	6.579528
rs11114581	MYF5	12	79637013	3	5.014896
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rs17183577	SLC6A15	12	83801692	8	0.26549
rs3765044	LRR1Q1	12	83962630	2	3.296232
rs3765044	LRR1Q1	12	83962630	5	0.500847
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rs7974418	LRR1Q1	12	83973596	5	0.274988
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SNP12-84039650	LRR1Q1	12	84039650	5	0.159964
rs7397266	PAMCI	12	84723066	1	0.129926
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rs1907699	KITLG	12	87414108	4	0.762345
rs1907699	KITLG	12	87414108	8	5.999954
rs7973791	KERA	12	89968856	4	1.876391
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rs12694	BTG1	12	91063721	6	1.100048
rs12694	BTG1	12	91063721	2	3.24804
rs12580153	CLLU1	12	91342613	1	1.220835

rs7303412	CLLU1	12	91347241	5	0.381222
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rs7303412	CLLU1	12	91347241	4	1.133668
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rs6538329	CLLU1	12	91348724	6	0.30601
rs7308198	CLLU1	12	91348829	3	0.865472
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rs2036553	PLEKHG7	12	91655334	3	0.139555
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rs10507017	PLEKHG7	12	91689067	5	0.283816
rs17194402	PLEKHG7	12	91689750	5	1.259017
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rs17022649	LOC283398	12	93468108	6	0.823155
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rs4761630	LOC283398	12	93468312	5	1.293184
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rs17023760	FGD6	12	94127229	7	0.119399
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rs3812813	USP44	12	94451893	5	3.913902
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rs2117914	CCDC38	12	94790166	4	1.100287
rs2117914	CCDC38	12	94790166	5	0.1391
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rs2230885	HAL	12	94892031	4	0.427977
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rs829863	LOC121456	12	97372827	1	0.843861
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rs17028572	IKIP	12	97543761	4	3.833976
SNP12-98164290	ANKS1B	12	98164290	6	0.223601
SNP12-98164290	ANKS1B	12	98164290	4	0.103851

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rs3751323	ANKS1B	12	98164559	1	4.354478
rs3751323	ANKS1B	12	98164559	4	2.988887
rs3751323	ANKS1B	12	98164559	6	0.363148
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rs33968174	SCYL2	12	99232498	4	0.290868
SNP12-99542192	GAS2L3	12	99542192	7	0.759619
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rs1842887	LOC728467	12	99986949	2	3.186545
rs1842887	LOC728467	12	99986949	6	0.964683
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rs9634221	SLC5A8	12	100086071	5	1.051628
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rs697212	STAB2	12	102624747	7	2.037893
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rs4964830	NT5DC3	12	102693038	1	3.899156
rs6539101	NT5DC3	12	102693112	3	0.217927
rs6539101	NT5DC3	12	102693112	4	0.271845
rs11111761	NT5DC3	12	102693958	7	0.956574
rs11111761	NT5DC3	12	102693958	4	2.185749
rs11111764	NT5DC3	12	102694481	7	0.702137
rs10861097	NT5DC3	12	102694604	7	0.694495
rs10861097	NT5DC3	12	102694604	1	4.650759
rs3751205	NT5DC3	12	102695401	7	6.550654



rs3751205	NT5DC3	12	102695401	4	6.335227
rs1370780	LOC253724	12	102761959	3	1.283426
rs10778292	LOC253724	12	102784417	7	0.330473
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rs10745988	LOC253724	12	102807336	1	0.110275
rs10745988	LOC253724	12	102807336	3	0.129543
rs7298655	LOC253724	12	102811086	3	1.315151
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rs2583235	LOC253724	12	102811245	7	0.570627
rs9788136	LOC253724	12	102829287	1	3.891221
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rs6539247	NUAK1	12	104984032	3	0.640961
rs3741883	NUAK1	12	104985068	6	5.146896
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rs3853777	LOC341378	12	105090304	1	0.097705
rs11831752	TCP11L2	12	105220716	4	1.115939
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rs2252929	TCP11L2	12	105264670	4	0.661783
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rs2287162	MTERFD3	12	105905035	1	4.299421
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rs2287162	MTERFD3	12	105905035	3	0.324181
rs3809235	CRY1	12	106011199	8	2.652236
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rs11893	BTBD11	12	106577349	3	0.163162
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rs12579216	SART3	12	107465809	2	2.738259
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rs11067233	MMAB	12	108478591	2	5.365279
rs9593	MMAB	12	108479253	8	4.963033
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rs7314498	GIT2	12	108854524	1	4.016156
rs7314498	GIT2	12	108854524	3	0.155209
rs11068997	GIT2	12	108867524	1	5.931691
rs2287174	ANKRD13A	12	108958453	1	2.499179
rs34513555	RAD9B	12	109444579	7	1.083454
rs1973505	PPP1CC	12	109644386	3	0.744658

rs1973505	PPP1CC	12	109644386	1	4.958706
rs1973505	PPP1CC	12	109644386	7	0.044109
rs12303008	CCDC63	12	109769214	7	1.066912
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rs2301610	MYL2	12	109837939	7	1.432074
rs3803167	CUX2	12	110269969	1	0.610857
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rs7398833	CUX2	12	110271275	3	0.276579
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rs7398833	CUX2	12	110271275	1	3.393652
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rs10849938	FAM109A	12	110284442	3	0.521435
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rs3184504	SH2B3	12	110368991	8	4.213616
rs3184504	SH2B3	12	110368991	5	0.295541
rs3184504	SH2B3	12	110368991	2	1.841621
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rs3184504	SH2B3	12	110368991	6	0.14749
rs3184504	SH2B3	12	110368991	4	0.1658
rs3184504	SH2B3	12	110368991	1	0.132883
rs695871	ATXN2	12	110521383	1	1.258181
rs695871	ATXN2	12	110521383	4	1.507627
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rs3519	NULL	12	111082704	1	4.054058
rs1005902	NULL	12	111152058	5	0.548823
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rs4141253	RPH3A	12	111810012	3	0.190522
rs2285933	OAS3	12	111871162	5	0.219677
rs2285933	OAS3	12	111871162	2	4.700678
rs2240188	OAS3	12	111888067	2	3.344286
rs2010549	OAS3	12	111893380	1	6.947328
rs2010549	OAS3	12	111893380	3	0.114754
rs2010549	OAS3	12	111893380	5	0.314876
rs2010549	OAS3	12	111893380	7	0.316018
rs7023	OAS3	12	111895358	2	4.450263
rs7023	OAS3	12	111895358	5	0.587011
rs2072138	OAS2	12	111909276	2	4.38726

rs2072138	OAS2	12	111909276	5	0.167627
rs1293767	OAS2	12	111909537	7	0.621523
rs1293767	OAS2	12	111909537	8	1.193766
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rs1293766	OAS2	12	111909665	7	0.592821
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rs1293764	OAS2	12	111910062	8	0.217618
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rs1293755	OAS2	12	111919833	1	4.471197
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rs10850665	KRTHB5	12	115481578	4	0.702975

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rs4076700	FBXW8	12	115867703	8	1.698012
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rs11068296	FBXW8	12	115951755	6	0.998198
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rs3741467	FBXO21	12	116068449	3	0.187661
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rs4112696	LOC645771	13	18841770	3	0.554692
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rs1057093	MPHOSPH8	13	19118659	2	5.241718
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rs9578176	MPHOSPH8	13	19122387	1	0.645186
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SNP13-19323948	ZMYM5	13	19323948	7	1.84488
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rs10161995	LOC400099	13	19336935	7	2.637592
rs10161995	LOC400099	13	19336935	1	0.036671
rs10161995	LOC400099	13	19336935	4	6.948872
rs9509372	XPO4	13	20253927	2	5.022347
SNP13-20460832	LATS2	13	20460832	8	6.203898
SNP13-20460948	LATS2	13	20460948	3	0.21053
rs3742221	SAP18	13	20618956	1	4.19675
rs1046530	SAP18	13	20620190	1	3.506828
rs9316143	C13orf3	13	20626012	4	0.037515
rs9316143	C13orf3	13	20626012	5	6.534063
rs3087726	C13orf3	13	20626088	4	0.823393
rs3087726	C13orf3	13	20626088	5	0.104152
rs11147977	C13orf3	13	20627267	4	3.856906
rs11147977	C13orf3	13	20627267	6	2.292968
rs17345690	C13orf3	13	20633998	4	0.9978
rs17345690	C13orf3	13	20633998	5	0.746587
SNP13-20640311	C13orf3	13	20640311	8	5.281552
SNP13-20640311	C13orf3	13	20640311	6	2.449756
SNP13-20640311	C13orf3	13	20640311	4	5.237402
rs4638420	LOC650794	13	20770348	7	0.473164
rs4638420	LOC650794	13	20770348	6	0.315113
rs4638420	LOC650794	13	20770348	4	2.516545
rs9509664	LOC728099	13	20830459	4	0.188261
rs9509664	LOC728099	13	20830459	3	3.640577
rs9509664	LOC728099	13	20830459	6	0.518371
rs4770145	LOC728099	13	20833210	4	0.273836
rs1044069	EFHA1	13	20964934	1	5.433878
rs1800353	SGCG	13	22796509	7	0.401274
rs3751372	SGCG	13	22796816	5	1.117382
rs3751371	SGCG	13	22796934	4	1.77567

rs3751371	SGCG	13	22796934	5	1.908664
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rs3829352	SGCG	13	22796975	4	1.251497
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rs3829352	SGCG	13	22796975	5	1.150009
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rs2737700	SACS	13	22806034	3	0.241003
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rs3751363	TNFRSF19	13	23141200	6	2.1406
rs3751363	TNFRSF19	13	23141200	8	5.06824
rs3751361	TNFRSF19	13	23141360	2	3.605813
rs6490814	TNFRSF19	13	23147957	6	0.087326
rs9580931	SPATA13	13	23775550	4	0.747047
rs9580931	SPATA13	13	23775550	3	0.322512
rs9580931	SPATA13	13	23775550	6	2.145265
SNP13-23793684	C1QTNF9	13	23793684	7	5.722221
rs1822135	PARP4	13	23906630	6	0.740109
rs9511259	PARP4	13	23907099	6	5.042128
rs9511259	PARP4	13	23907099	7	0.387562
rs2722	ATP12A	13	24183768	1	4.856248
rs2722	ATP12A	13	24183768	4	1.109221
rs17081086	ATP12A	13	24183811	1	3.640609
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rs10507338	ATP12A	13	24183914	1	4.81836
rs10507338	ATP12A	13	24183914	4	1.604846
rs1451568	RNF17	13	24265282	1	1.25703
rs1451568	RNF17	13	24265282	7	1.527232
rs3783082	RNF17	13	24326002	2	0.947185
rs3783082	RNF17	13	24326002	7	0.416255
SNP13-24385103	CENPJ	13	24385103	7	1.386699
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rs7335858	ATP8A2	13	25171403	6	2.284965
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rs1055252	TMEM46	13	25516922	3	0.003235
rs12100154	TMEM46	13	25517547	8	2.141851
rs12100154	TMEM46	13	25517547	2	6.193283
rs12100154	TMEM46	13	25517547	3	0.018045
rs11558132	RNF6	13	25693463	2	1.06107
rs11558132	RNF6	13	25693463	6	0.908182
rs11558132	RNF6	13	25693463	5	0.216235
rs7669	MTIF3	13	26907851	5	1.40997
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rs7669	MTIF3	13	26907851	3	0.372403
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rs11617897	LNX2	13	27053920	3	0.677743
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rs1933437	FLT3	13	27522294	3	0.019799
rs11619230	PAN3	13	27765245	2	2.994739
rs4769636	SLC46A3	13	28172633	3	0.142129
rs4769636	SLC46A3	13	28172633	7	6.496422
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rs4769636	SLC46A3	13	28172633	2	3.736382
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rs2987346	KIAA0774	13	28498415	3	0.697124
rs3751336	KIAA0774	13	28753847	8	0.648688
SNP13-28796783	KIAA0774	13	28796783	1	2.202121
rs3011623	SLC7A1	13	28984225	8	0.740162
rs3011624	SLC7A1	13	28985146	8	1.781263
rs17689385	KATNAL1	13	29676781	4	0.620883
rs10161651	KATNAL1	13	29678458	5	0.86867
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rs17632858	KATNAL1	13	29678588	4	0.29659
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rs9506275	KATNAL1	13	29679111	5	0.072978
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rs7328946	KATNAL1	13	29680099	2	4.624394
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rs6490453	KATNAL1	13	29779573	4	1.25357
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rs1047086	HSPH1	13	30627729	1	1.735716
rs1047086	HSPH1	13	30627729	3	0.511828
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rs17703938	B3GALTL	13	30803498	3	0.409739
rs756910	EEF1DP3	13	31422656	4	0.335518
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rs17077179	FRY	13	31645654	3	0.114044
rs17077179	FRY	13	31645654	5	1.315596
rs1799943	BRCA2	13	31788572	5	0.335248
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rs15869	BRCA2	13	31871012	8	0.762488
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rs7994229	PDS5B	13	32058705	5	6.85705
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rs648202	KL	13	32533463	1	0.581237
rs770266	STARD13	13	32576065	4	0.441077
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rs2274550	NBEA	13	35127873	4	0.410165
rs1045696	DCLK1	13	35243816	4	0.679925
rs2322807	DCLK1	13	35283031	6	7.43507
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rs2296968	SOHLH2	13	35642910	5	2.013781
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rs9546785	LOC728591	13	35699415	6	3.201366
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rs9546897	LOC728591	13	35726237	1	4.825002
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rs9546897	LOC728591	13	35726237	6	0.67922
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rs1998800	LOC728591	13	35755639	8	1.40665
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rs1886856	LOC646871	13	35841777	6	0.300401
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rs1856028	CSNK1A1L	13	36576149	1	3.906044
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rs17773251	CSNK1A1L	13	36576884	3	6.01061
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rs9576175	CSNK1A1L	13	36577268	3	1.001134
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rs2485783	UFM1	13	37834310	4	4.191046
rs2485783	UFM1	13	37834310	1	4.857592
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rs9576597	FREM2	13	38160435	3	0.496603
rs9548505	FREM2	13	38320624	3	0.529965
rs7990956	STOML3	13	38438353	8	0.025537
rs9576697	C13orf23	13	38484343	8	0.267183
rs9576697	C13orf23	13	38484343	6	0.09417
rs9576711	NHLRC3	13	38521621	6	8.533583
rs9576711	NHLRC3	13	38521621	8	5.412198
rs3812883	COG6	13	39127957	3	0.513899
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rs3783167	MRPS31	13	40221397	7	1.37192
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rs3783167	MRPS31	13	40221397	3	0.862769
rs3783167	MRPS31	13	40221397	4	0.024686
rs9577152	SLC25A15	13	40277272	6	1.783477
rs1056824	ELF1	13	40404884	2	2.43521
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rs7324235	DGKH	13	41662564	6	3.562043
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rs545602	DGKH	13	41701341	2	4.840586
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rs9525605	AKAP11	13	41771782	4	1.246673
rs9315906	AKAP11	13	41775265	4	0.064315
rs9533064	AKAP11	13	41792287	4	0.431903
rs7335649	C13orf30	13	42262859	7	1.054989
rs7335649	C13orf30	13	42262859	1	0.773905
rs7335649	C13orf30	13	42262859	6	2.410728
rs1044856	EPST11	13	42360422	8	6.221404
rs1044856	EPST11	13	42360422	4	1.519566

rs1044856	EPSTI1	13	42360422	6	0.635028
rs1359184	EPSTI1	13	42367211	2	2.446707
rs1359184	EPSTI1	13	42367211	7	0.489933
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rs1359184	EPSTI1	13	42367211	4	0.792977
rs3825511	EPSTI1	13	42464373	1	0.808489
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rs17553284	DNAJC15	13	42495706	8	1.337632
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rs3816311	CCDC122	13	43351783	1	1.233214
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rs1053948	TSC22D1	13	43906333	3	0.13484
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rs7331090	GTF2F2	13	44739502	3	0.180778
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rs4942434	LOC283514	13	45251787	3	0.451688
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rs1087	CPB2	13	45525440	6	2.211912
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rs940	CPB2	13	45525481	3	1.220757
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rs1926447	CPB2	13	45527945	5	0.326149
rs1926447	CPB2	13	45527945	2	1.175915
rs1926447	CPB2	13	45527945	4	0.865208



rs1926447	CPB2	13	45527945	3	0.520881
rs2277440	CPB2	13	45536827	8	0.465771
rs9316179	CPB2	13	45539467	4	4.560537
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rs7337140	CPB2	13	45539482	5	0.756303
rs7337140	CPB2	13	45539482	3	1.827657
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rs2296118	LCP1	13	45654333	1	3.503648
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rs3751418	CDADC1	13	48764870	5	1.173273
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rs3751418	CDADC1	13	48764870	2	1.587427
rs3087770	CDADC1	13	48765291	8	4.778588
rs7998427	SETDB2	13	48948621	1	0.211417
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rs2031532	PHF11	13	48978848	1	0.173694
rs2031532	PHF11	13	48978848	2	0.297402
rs3033	PHF11	13	49000993	1	0.153788
rs3033	PHF11	13	49000993	2	1.932637
rs9562900	RCBTB1	13	49039363	7	0.889757
rs9526582	ARL11	13	49105221	2	0.789851
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rs9526582	ARL11	13	49105221	4	0.29379
rs9526582	ARL11	13	49105221	6	0.01201
rs1127021	KPNA3	13	49194116	4	0.846108
rs9568354	C13orf1	13	49385994	2	3.862104
rs11839292	C13orf1	13	49386112	7	0.456521
rs11839292	C13orf1	13	49386112	3	0.028454

rs11839292	C13orf1	13	49386112	8	2.889083
rs1609571	C13orf1	13	49386856	2	5.477463
rs1063181	C13orf1	13	49408402	4	3.739681
rs2066549	TRIM13	13	49488424	4	0.734063
rs2066549	TRIM13	13	49488424	2	4.264405
rs2066549	TRIM13	13	49488424	3	0.318449
rs2066549	TRIM13	13	49488424	7	0.02466
rs3803200	LOC647166	13	50556357	3	0.606707
rs959952	LOC647166	13	50584110	3	0.375903
rs7318961	LOC341674	13	50634084	3	1.913948
rs17075482	FAM124A	13	50724045	1	5.42915
rs9535646	LOC647174	13	50811709	2	2.257521
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rs9535646	LOC647174	13	50811709	4	0.763728
rs17837214	INTS6	13	50834201	7	0.236242
rs17837216	INTS6	13	50834636	7	0.516001
rs2277445	INTS6	13	50922937	8	0.867004
rs2277445	INTS6	13	50922937	2	1.424904
rs2277445	INTS6	13	50922937	7	0.616028
rs2277445	INTS6	13	50922937	5	0.275123
rs2277445	INTS6	13	50922937	3	0.081023
rs2277445	INTS6	13	50922937	4	0.918087
rs1885854	WDFY2	13	51211196	7	0.626103
rs1885854	WDFY2	13	51211196	4	0.336895
rs7334118	ATP7B	13	51411267	1	3.365443
rs1061472	ATP7B	13	51422489	8	1.177522
rs1061472	ATP7B	13	51422489	1	4.710793
rs17402034	UTP14C	13	51501897	5	10.95165
SNP13-51574276	NEK5	13	51574276	3	1.601736
SNP13-51574276	NEK5	13	51574276	6	0.563081
rs1886540	NEK3	13	51604877	1	4.364955
rs9536067	VPS36	13	51886351	5	3.242629
rs617660	RP11-78J21.1	13	52101390	5	0.848383
rs9536243	LECT1	13	52175640	5	0.86254
rs9536244	LECT1	13	52175647	5	2.638293
rs7330220	LECT1	13	52184951	8	0.167179
rs17053844	OLFM4	13	52523422	4	0.119321
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rs339531	DIAPH3	13	59485257	4	0.980385
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rs9563808	LOC440142	13	59746943	7	0.25393
rs9563808	LOC440142	13	59746943	5	0.609753
rs9563808	LOC440142	13	59746943	3	0.22376
rs9563808	LOC440142	13	59746943	2	1.93889
rs9528094	LOC440142	13	59747049	8	4.866386
rs9528094	LOC440142	13	59747049	5	4.534335
rs9528094	LOC440142	13	59747049	7	4.521824

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rs3829388	PCDH20	13	60882782	5	0.470512
rs3812872	PCDH20	13	60884919	5	1.416393
rs3812872	PCDH20	13	60884919	6	2.591432
rs3812860	PCDH9	13	66702233	1	5.467533
rs7319217	LOC647277	13	70396781	5	3.911792
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rs7319217	LOC647277	13	70396781	8	3.143134
rs1465895	RP11-11C5.2	13	72199805	7	0.452192
rs1465895	RP11-11C5.2	13	72199805	5	1.153497
rs2165390	DIS3	13	72229945	3	0.616834
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rs7332388	DIS3	13	72247360	3	0.383373
rs7332388	DIS3	13	72247360	6	0.366912
rs7332388	DIS3	13	72247360	4	2.384081
rs9565025	LOC730242	13	73059553	3	0.082874
rs9600137	LOC730242	13	73060077	4	1.059291
rs9543429	KLF12	13	73164045	3	0.14196
rs9318219	KLF12	13	73284794	1	3.229507
rs9318219	KLF12	13	73284794	4	0.001592
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rs477274	LOC647288	13	74711555	8	1.872075
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rs9600567	FLJ35379	13	75343317	1	0.121394
rs9600567	FLJ35379	13	75343317	3	0.211496

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rs700371	KCTD12	13	76358368	5	1.480015
rs654196	CLN5	13	76463973	5	0.404994
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rs2813739	SCEL	13	77114916	6	0.194804
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rs1044385	C13orf7	13	78086535	6	4.613369
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rs553717	GPC5	13	91143580	3	1.829799
rs553717	GPC5	13	91143580	2	3.865137
rs553717	GPC5	13	91143580	7	0.350301
rs17645969	GPC6	13	92677391	5	0.214015
rs2274020	GPC6	13	93832764	6	5.916105
rs2274020	GPC6	13	93832764	5	0.702162
rs9524570	GPR180	13	94079619	6	5.200311
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rs9524570	GPR180	13	94079619	1	4.705975
rs9524570	GPR180	13	94079619	5	0.056368
rs9524570	GPR180	13	94079619	7	0.713757
rs3765534	ABCC4	13	94613416	1	5.89511
rs2274405	ABCC4	13	94656979	2	0.711973
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rs11070136	DZIP1	13	95037806	1	5.440623
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rs816142	UGCGL2	13	95436637	5	0.507475
rs12863903	UGCGL2	13	95436652	8	6.506473
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rs4771259	HS6ST3	13	96284378	1	6.120171

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rs4771259	HS6ST3	13	96284378	8	1.006051
rs7318501	HS6ST3	13	96284946	8	1.19816
rs3742123	HS6ST3	13	96286117	3	0.765465
rs3864	HS6ST3	13	96286350	7	0.550802
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rs12868356	LOC728155	13	97593090	2	2.947481
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rs9584850	FARP1	13	97899427	3	0.09317
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rs4584	FARP1	13	97899870	3	0.124647
rs4584	FARP1	13	97899870	8	0.131129
rs4584	FARP1	13	97899870	5	0.200896
rs7331216	SLC15A1	13	98134920	7	1.72392
rs8187832	SLC15A1	13	98138772	7	2.704051
rs12859979	DOCK9	13	98260478	1	3.569344
rs3742130	GPR18	13	98705342	6	6.711658
rs3742130	GPR18	13	98705342	5	0.459642
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rs13542	ZIC2	13	99436393	7	0.47989
rs3742244	TMTC4	13	100054564	4	0.460706
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rs8922	NALCN	13	100504194	4	0.304565
rs8922	NALCN	13	100504194	3	0.291244
rs686141	NALCN	13	100534076	8	0.076687
rs686141	NALCN	13	100534076	4	0.301821
rs1140605	ITGBL1	13	101018194	3	0.15417

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rs2282282	LOC283481	13	101845260	1	0.856842
rs1587	LOC196541	13	102136231	5	0.582233
rs660207	LOC196541	13	102137366	5	0.011541
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rs9554897	FLJ40176	13	102181418	3	0.965575
rs17592564	LOC643677	13	102198034	3	0.995147
rs17592564	LOC643677	13	102198034	5	0.14686
rs1026158	LOC643677	13	102198084	6	0.078516
rs1026158	LOC643677	13	102198084	3	1.01924
rs12583104	LOC643677	13	102198730	1	2.88111
rs4743	BIVM	13	102291826	2	2.36894
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rs751402	ERCC5	13	102296199	8	1.762352
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rs17655	ERCC5	13	102326003	4	0.271121
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rs2769914	LOC728215	13	106620247	8	1.324436
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rs2769914	LOC728215	13	106620247	2	1.561404
rs2769914	LOC728215	13	106620247	3	1.121057
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rs9559516	MYO16	13	108657946	7	0.90098
rs7993754	MYO16	13	108658175	3	1.08453
rs4773092	IRS2	13	109233954	2	1.459491
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rs16975492	COL4A1	13	109631703	5	0.058754
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rs7990009	COL4A2	13	109757689	8	0.998305
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rs7990009	COL4A2	13	109757689	5	0.42614
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rs7990009	COL4A2	13	109757689	2	1.075715
rs7327528	LOC728814	13	109758045	3	0.677952
rs4103	COL4A2	13	109896227	8	0.104742
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rs7990383	COL4A2	13	109909236	5	0.287925
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rs12875067	ING1	13	110163105	3	0.548369
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rs1441043	ING1	13	110165651	7	1.123701
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rs1555751	ARHGEF7	13	110753466	1	5.614749
rs6492352	ARHGEF7	13	110753908	4	0.924057
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rs12855715	C13orf16	13	110771099	7	4.864538
rs12855715	C13orf16	13	110771099	6	1.031501
rs1359428	C13orf16	13	110778538	7	0.487369
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rs4907715	LOC729192	13	112155252	3	0.943899
rs4907715	LOC729192	13	112155252	2	0.295601
rs4907733	FLJ26443	13	112349790	2	2.962944
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rs3814264	MCF2L	13	112776782	1	1.6464
rs2281723	MCF2L	13	112787227	7	0.813806
rs2281723	MCF2L	13	112787227	6	0.553831
rs9604022	MCF2L	13	112789591	3	0.096733
rs9604022	MCF2L	13	112789591	1	3.880515
rs6046	F7	13	112821160	5	0.214728
rs3024772	PROZ	13	112874101	7	5.379518
rs3024772	PROZ	13	112874101	1	4.149325
rs7331116	DKFZp451A211	13	113103906	8	0.140464

rs7331116	DKFZp451A211	13	113103906	5	0.479158
rs7331116	DKFZp451A211	13	113103906	7	0.358213
rs1018649	DKFZp451A211	13	113105029	7	3.524585
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rs9577553	DCUN1D2	13	113158146	8	2.864203
rs1386	DCUN1D2	13	113158236	7	1.254716
rs13705	DCUN1D2	13	113158408	1	3.343014
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rs7399982	FLJ44054	13	113490063	3	0.566978
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rs7400002	GAS6	13	113588999	7	0.4271
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rs3752105	UPF3A	13	114065407	3	0.396068
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rs1958716	OR4L1	14	19598161	5	3.333266
rs1958716	OR4L1	14	19598161	7	2.185894
rs1958717	OR4L1	14	19598202	5	0.853554
rs1958717	OR4L1	14	19598202	7	3.052655
rs2775253	OR4L1	14	19598345	5	1.591523
rs4981088	OR11G2	14	19735680	7	1.835776
rs4981088	OR11G2	14	19735680	5	3.434697
rs4981088	OR11G2	14	19735680	6	2.472178
rs17277228	OR11H6	14	19762483	6	2.289737
rs17277228	OR11H6	14	19762483	8	1.740199
rs17277228	OR11H6	14	19762483	7	2.458763
rs1132644	CCNB1IP1	14	19854558	4	0.952751
rs3093872	RPPH1	14	19881172	8	0.487477
rs17211355	TEP1	14	19914223	6	0.205234
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rs1760904	TEP1	14	19921869	4	0.455324
rs1760904	TEP1	14	19921869	7	1.044307
rs1760904	TEP1	14	19921869	8	0.207104
rs2228041	TEP1	14	19922107	7	0.364303
rs1760903	TEP1	14	19922657	8	0.147741
rs1760903	TEP1	14	19922657	4	3.039474
rs1760903	TEP1	14	19922657	7	0.133465
rs7145318	KLHL33	14	19966904	7	0.959486
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rs7145318	KLHL33	14	19966904	3	1.263421
rs1953225	KLHL33	14	19967516	1	1.557028
rs8017682	LOC728219	14	19973618	7	0.775205
rs8017603	LOC728219	14	19973746	7	1.446436
rs8017603	LOC728219	14	19973746	3	0.472305



rs938883	OSGEP	14	19986798	2	2.428915
rs938883	OSGEP	14	19986798	4	0.887411
rs938883	OSGEP	14	19986798	7	0.838329
rs1760944	OSGEP	14	19992989	3	2.79496
rs1760944	OSGEP	14	19992989	4	2.516783
rs1760944	OSGEP	14	19992989	2	4.542563
rs3136814	APEX1	14	19993137	3	0.97137
rs1049564	NP	14	20010446	6	0.508929
rs1049564	NP	14	20010446	2	6.472862
rs45440293	RNASE11	14	20128162	7	3.34221
rs45440293	RNASE11	14	20128162	4	3.169806
rs11622794	OR6S1	14	20179566	1	0.184872
rs3748338	RNASE4	14	20237416	3	0.472878
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rs1815437	FAM12A	14	20283985	4	0.182491
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rs1815437	FAM12A	14	20283985	3	0.276387
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rs3827907	FAM12B	14	20308638	5	0.761384
rs17096021	FAM12B	14	20308702	3	0.636041
rs17096253	FAM12B	14	20308944	4	1.364837
rs17096253	FAM12B	14	20308944	3	0.205062
rs2234632	SLC39A2	14	20537753	3	0.225651
rs2234632	SLC39A2	14	20537753	4	0.907323
rs3748348	RNASE13	14	20571035	7	4.212187
rs17099500	RNASE13	14	20572665	3	1.431519
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rs2765901	RNASE7	14	20580320	4	0.587286
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rs1958395	FLJ10357	14	20620898	4	1.216698
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rs749731	FLJ10357	14	20622844	5	5.69743
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rs943992	FLJ10357	14	20622897	5	0.885771
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rs45486304	ZNF219	14	20642680	6	1.791278
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rs4982419	OR5AU1	14	20693676	5	2.958193
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rs8007215	C14orf119	14	22638946	3	0.21469
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rs8004990	MYH6	14	22923995	7	4.610616
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rs2069540	MYH7	14	22972593	3	0.820283
rs45566639	MYH7	14	22973296	3	0.223612
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rs1540703	GNG2	14	51505245	3	0.063765
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rs1051069	NID2	14	51548065	5	0.016789
rs946615	NID2	14	51551667	4	0.876776
rs946615	NID2	14	51551667	3	0.527648
rs946615	NID2	14	51551667	2	3.205388
rs946615	NID2	14	51551667	6	0.062336
rs12887495	NID2	14	51566025	7	0.268817
rs3742536	NID2	14	51577179	7	3.628362
rs3742536	NID2	14	51577179	2	1.194973
rs3920038	NID2	14	51605398	7	0.247449
rs17125273	PTGDR	14	51811396	3	1.469974
rs802986	PTGDR	14	51812464	8	0.498094
rs802986	PTGDR	14	51812464	7	1.267317
rs1042618	PTGER2	14	51864850	3	0.132502
rs2767540	TXNDC16	14	51968417	5	6.09373
rs2767540	TXNDC16	14	51968417	7	0.804654
rs762063	GPR137C	14	52168652	2	5.027092
rs762063	GPR137C	14	52168652	4	0.678432
rs762063	GPR137C	14	52168652	5	4.54451
rs3742532	GPR137C	14	52172434	4	0.126572
rs12885451	GPR137C	14	52173306	4	0.564408
rs1957844	LOC645560	14	53527828	5	0.529669
rs7146775	WDHD1	14	54477507	2	5.700834
rs7147147	WDHD1	14	54477694	2	1.114722



rs15870	DLG7	14	54689064	5	0.085368
rs1045002	FBXO34	14	54888270	6	0.089366
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rs1572611	KIAA0831	14	54903627	6	6.804814
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rs1572611	KIAA0831	14	54903627	8	4.834428
rs8019270	TBPL2	14	54976925	6	0.329005
rs12886220	KTN1	14	55148492	5	0.34075
rs12886220	KTN1	14	55148492	7	0.482878
rs12886220	KTN1	14	55148492	8	0.681557
rs2184557	LOC645683	14	55302723	6	4.4547
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rs2184557	LOC645683	14	55302723	7	4.186937
rs10144431	LOC645683	14	55302822	7	3.982447
rs10144431	LOC645683	14	55302822	6	3.517999
rs10144431	LOC645683	14	55302822	2	0.835213
rs1152466	PELI2	14	55833639	4	0.799563
rs3742578	EXOC5	14	56742468	8	7.440295
rs1152531	C14orf105	14	57007877	6	0.086049
rs2747106	C14orf37	14	57540752	4	1.049845
rs2747106	C14orf37	14	57540752	1	2.480953
rs2256270	C14orf37	14	57541042	5	0.772384
rs2256270	C14orf37	14	57541042	3	0.728757
rs2256270	C14orf37	14	57541042	7	0.918305
rs2256270	C14orf37	14	57541042	6	0.244609
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rs2256270	C14orf37	14	57541042	4	0.56073
rs2295139	C14orf37	14	57541108	7	0.470147
rs2295139	C14orf37	14	57541108	8	0.449012
rs2295139	C14orf37	14	57541108	3	0.642215
SNP14-57674796	C14orf37	14	57674796	6	3.156384
rs3829765	C14orf37	14	57675543	4	0.696128
rs17832998	DACT1	14	58182485	5	1.380757
SNP14-58183183	DACT1	14	58183183	1	1.130531
rs17833004	DACT1	14	58184200	2	1.670135
rs11541	DACT1	14	58184523	2	1.662322
rs11541	DACT1	14	58184523	8	1.052125
rs11541	DACT1	14	58184523	1	0.535613
rs167437	C14orf135	14	59661640	7	0.253596
rs409866	DHRS7	14	59681281	7	0.756212
rs409866	DHRS7	14	59681281	5	1.725141
rs381839	DHRS7	14	59681428	7	6.694275
rs381839	DHRS7	14	59681428	5	0.285238
rs4899016	SIX4	14	60248662	1	4.900934
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rs4899016	SIX4	14	60248662	4	0.038583
rs698028	FLJ22447	14	61190328	5	1.291478
rs698028	FLJ22447	14	61190328	7	0.827199
rs698027	FLJ22447	14	61190520	7	1.716163
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rs698027	FLJ22447	14	61190520	3	1.353872
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rs1255720	PPP2R5E	14	63079274	7	0.761485
rs1255720	PPP2R5E	14	63079274	6	0.736041
rs1255720	PPP2R5E	14	63079274	4	4.386169
rs10498511	WDR89	14	63178291	8	2.013678
SNP14-63607251	SYNE2	14	63607251	4	0.575895
SNP14-63629844	SYNE2	14	63629844	5	0.326584
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rs1152582	SYNE2	14	63762383	7	0.791034
rs1152582	SYNE2	14	63762383	1	4.15738
rs1152582	SYNE2	14	63762383	4	5.192139
rs1255998	ESR2	14	63763624	4	0.191866
rs8018687	ESR2	14	63763835	7	0.461925
rs8018687	ESR2	14	63763835	4	2.958327
rs8018687	ESR2	14	63763835	8	1.338924
rs4986938	ESR2	14	63769569	1	5.229449
rs4986938	ESR2	14	63769569	3	0.053303
rs1256049	ESR2	14	63793804	8	1.072619
rs2230491	AKAP5	14	64005164	6	5.639208
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rs12385910	ZBTB1	14	64069723	6	1.35404
rs12385910	ZBTB1	14	64069723	3	0.094158
rs12385910	ZBTB1	14	64069723	8	0.496267
rs229624	PLEKHG3	14	64267520	7	0.740473
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rs229624	PLEKHG3	14	64267520	8	1.5558
rs229624	PLEKHG3	14	64267520	6	0.532387
SNP14-64279620	PLEKHG3	14	64279620	1	4.940516
SNP14-64279620	PLEKHG3	14	64279620	7	0.192648
rs17180132	PLEKHG3	14	64279662	5	3.153471
rs1695769	SPTB	14	64284918	6	0.177952
rs1695769	SPTB	14	64284918	7	0.41543
rs1695769	SPTB	14	64284918	1	4.70406
rs229592	SPTB	14	64310981	6	0.686061
rs229592	SPTB	14	64310981	8	0.703677
rs229592	SPTB	14	64310981	7	1.101584

rs229592	SPTB	14	64310981	1	2.867394
rs229592	SPTB	14	64310981	5	2.611756
rs184528	SPTB	14	64311797	7	0.404819
rs184528	SPTB	14	64311797	1	0.029431
rs184528	SPTB	14	64311797	5	0.291233
rs1741488	SPTB	14	64315709	8	5.011017
rs1741488	SPTB	14	64315709	7	1.730265
rs1626923	SPTB	14	64316376	5	0.070895
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rs11623956	SPTB	14	64340144	6	2.934212
rs6745	CHURC1	14	64471448	8	3.527235
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rs6745	CHURC1	14	64471448	7	2.768294
rs6745	CHURC1	14	64471448	5	2.342251
rs2296326	RAB15	14	64484125	2	5.04202
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rs2296326	RAB15	14	64484125	8	1.276437
rs7159443	MAX	14	64620569	2	6.788877
rs7159443	MAX	14	64620569	1	0.046328
rs2411822	FUT8	14	64948148	2	5.364166
rs1054218	FUT8	14	65278943	2	7.023215
rs1054218	FUT8	14	65278943	5	0.161849
rs1054218	FUT8	14	65278943	4	1.151267
rs1054218	FUT8	14	65278943	8	7.044234
rs1054218	FUT8	14	65278943	3	0.224609
rs1055136	MGC88374	14	66034953	2	0.566721
rs1055136	MGC88374	14	66034953	1	0.443365
rs928553	GPHN	14	66044227	4	0.568134
rs928553	GPHN	14	66044227	7	0.310304
rs11158655	FAM71D	14	66741454	4	0.240821
rs35236021	FAM71D	14	66744674	2	1.552649
rs10141879	FAM71D	14	66764943	4	0.511109
rs10141879	FAM71D	14	66764943	7	0.649235
rs13379210	C14orf83	14	66990924	3	1.733184
rs3825723	PLEKHH1	14	67093887	3	1.284015
rs3825723	PLEKHH1	14	67093887	7	0.610602
rs3825723	PLEKHH1	14	67093887	6	0.558187
rs3825723	PLEKHH1	14	67093887	5	1.118039
rs2236235	PLEKHH1	14	67099066	7	1.651672
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rs2236235	PLEKHH1	14	67099066	3	0.321731
rs2236235	PLEKHH1	14	67099066	6	1.453149
rs1885043	PLEKHH1	14	67099139	2	3.791292
rs734028	PLEKHH1	14	67123555	1	5.694604
rs734028	PLEKHH1	14	67123555	6	0.740711
rs734028	PLEKHH1	14	67123555	8	0.328248

rs4902496	PLEKHH1	14	67125366	2	3.586927
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rs8005363	PIGH	14	67126143	1	5.47629
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rs7160492	LOC729868	14	67150294	7	0.732931
rs2235967	ZFYVE26	14	67319252	8	4.758334
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rs2235967	ZFYVE26	14	67319252	4	1.309326
rs2235967	ZFYVE26	14	67319252	3	0.643496
rs8016546	GALNTL1	14	68890167	1	5.387475
rs8016546	GALNTL1	14	68890167	4	0.138722
rs2296724	GALNTL1	14	68890699	6	0.347022
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rs7494244	C14orf162	14	69107364	6	1.22715
rs945310	KIAA0247	14	69248090	3	0.404958
rs945310	KIAA0247	14	69248090	2	0.581299
rs945310	KIAA0247	14	69248090	1	0.33686
rs3809396	KIAA0247	14	69248188	3	0.085687
rs4646285	SLC10A1	14	69333401	6	5.360028
rs4646285	SLC10A1	14	69333401	4	0.722424
rs3742909	SMOC1	14	69488634	6	2.14086
rs184477	SLC8A3	14	69580879	5	0.533257
rs184477	SLC8A3	14	69580879	1	4.43417
rs3809401	SLC8A3	14	69581159	5	1.026144
rs3809401	SLC8A3	14	69581159	4	2.325215
SNP14-70207597	TTC9	14	70207597	8	0.883901
rs2074647	RGS6	14	72098931	7	0.008185
rs11846274	DPF3	14	72146069	7	1.137828
rs3742836	DPF3	14	72289773	7	0.112402
rs3742836	DPF3	14	72289773	4	0.830012
rs3742836	DPF3	14	72289773	8	0.454527
rs3742836	DPF3	14	72289773	3	0.558463
rs3742836	DPF3	14	72289773	5	0.25017
rs3742836	DPF3	14	72289773	1	1.901806
rs2098322	LOC729953	14	72463037	6	2.8284
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rs2302588	WDR21A	14	72474505	7	1.644877
rs2302588	WDR21A	14	72474505	4	0.399891
rs3815460	WDR21A	14	72492012	4	0.104298
rs3815460	WDR21A	14	72492012	7	12.91307
rs17569391	WDR21A	14	72495820	1	6.766825

rs17569391	WDR21A	14	72495820	6	4.67945
rs2286838	ZFYVE1	14	72518336	4	0.50484
rs2286838	ZFYVE1	14	72518336	7	0.609815
rs2280792	PAPLN	14	72781147	1	0.109245
rs2280792	PAPLN	14	72781147	3	2.375273
rs932256	PAPLN	14	72810402	6	5.108368
rs17781919	NUMB	14	72813211	4	0.5628
rs1074501	HEATR4	14	73059612	7	3.147924
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rs1074501	HEATR4	14	73059612	3	2.071595
rs12891009	ACOT6	14	73153599	8	0.784182
rs8003105	DNAL1	14	73232598	7	0.209319
rs8003105	DNAL1	14	73232598	4	0.025474
rs17782124	C14orf43	14	73273542	3	0.791787
rs17782128	C14orf43	14	73275631	3	0.252915
rs758774	C14orf43	14	73276234	6	5.998736
rs758774	C14orf43	14	73276234	3	0.183155
rs758773	C14orf43	14	73276411	3	0.129716
rs8020630	ZADH1	14	73388426	4	1.735647
rs8020630	ZADH1	14	73388426	3	1.58257
rs8020630	ZADH1	14	73388426	5	2.608824
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rs8020267	ZADH1	14	73388467	1	3.937674
rs8020267	ZADH1	14	73388467	6	0.6833
rs2270073	ZADH1	14	73388507	4	1.327783
rs2270073	ZADH1	14	73388507	5	1.296812
rs2270073	ZADH1	14	73388507	3	1.359738
rs8020523	ZADH1	14	73388539	6	9.387188
rs3177095	ZNF410	14	73458661	4	0.333616
rs3177095	ZNF410	14	73458661	3	0.63348
rs8500	COQ6	14	73498198	4	6.632945
rs13743	ENTPD5	14	73503305	3	0.151173
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rs2074932	ENTPD5	14	73511437	4	0.104853
rs2074932	ENTPD5	14	73511437	5	0.66334
rs2074932	ENTPD5	14	73511437	6	0.239732
rs2302117	ENTPD5	14	73524566	2	5.169408
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rs2006731	LIN52	14	73621271	4	0.76975
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rs2301345	ABCD4	14	73836105	6	0.502321
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rs2301345	ABCD4	14	73836105	5	0.363393
rs2301345	ABCD4	14	73836105	3	0.542508
rs2286425	C14orf115	14	73884992	5	2.967544

rs2240624	TMEM90A	14	73942679	3	0.791105
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rs2240623	TMEM90A	14	73942935	7	1.455496
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rs2240622	TMEM90A	14	73942959	7	3.378399
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rs2240622	TMEM90A	14	73942959	3	3.06669
rs2240622	TMEM90A	14	73942959	6	2.355514
rs4903221	TMEM90A	14	73943327	4	0.587787
rs4026651	LOC729988	14	73946254	8	1.104416
rs4026651	LOC729988	14	73946254	6	0.055671
rs4026651	LOC729988	14	73946254	3	0.753328
rs7145480	LTBP2	14	74058440	3	0.5692
rs699374	LTBP2	14	74062553	6	0.240817
rs699374	LTBP2	14	74062553	3	0.449361
rs699374	LTBP2	14	74062553	2	1.462361
rs2304707	LTBP2	14	74092024	5	0.572563
rs9441	KIAA0317	14	74198178	2	2.992995
rs9441	KIAA0317	14	74198178	3	0.819019
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rs2270425	KIAA0317	14	74249487	8	0.627209
rs2270425	KIAA0317	14	74249487	4	0.501237
rs2302834	YLPM1	14	74349148	7	0.897787
rs2302834	YLPM1	14	74349148	3	0.041127
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rs4140930	DLST	14	74429423	4	3.656234
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rs4140930	DLST	14	74429423	3	0.314995
rs2286913	RPS6KL1	14	74456329	2	2.852025
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rs7156590	RPS6KL1	14	74457936	2	2.45673
rs7156590	RPS6KL1	14	74457936	7	0.15991
rs7156590	RPS6KL1	14	74457936	3	0.858872
rs7156590	RPS6KL1	14	74457936	4	0.216554
rs11159109	RPS6KL1	14	74458827	2	4.740665
rs11159109	RPS6KL1	14	74458827	4	0.135693
rs11159109	RPS6KL1	14	74458827	3	0.310939
rs12411	PGF	14	74478796	1	6.182485
rs12411	PGF	14	74478796	4	1.91052

rs4556	EIF2B2	14	74545824	7	7.924857
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rs175049	MLH3	14	74551121	2	0.759986
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rs175049	MLH3	14	74551121	6	3.553412
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rs108622	MLH3	14	74551661	6	1.770848
rs108622	MLH3	14	74551661	3	1.660097
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rs108622	MLH3	14	74551661	2	3.241708
rs108622	MLH3	14	74551661	4	2.340954
SNP14-74583581	MLH3	14	74583581	4	0.444328
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GA011719	C14orf140	14	74607134	1	0.467118
GA011719	C14orf140	14	74607134	7	0.529025
GA011719	C14orf140	14	74607134	4	0.648481
GA011719	C14orf140	14	74607134	6	1.753372
rs8011292	FLVCR2	14	75115444	8	4.846465
rs8011292	FLVCR2	14	75115444	5	0.362183
rs8011292	FLVCR2	14	75115444	3	0.151668
rs2287017	FLVCR2	14	75115716	1	0.788452
rs2287017	FLVCR2	14	75115716	7	1.856179
rs2287017	FLVCR2	14	75115716	2	0.841313
rs3815550	VASH1	14	76306133	6	0.093731
rs3815550	VASH1	14	76306133	1	0.583522
rs3815550	VASH1	14	76306133	4	0.134139
rs3815550	VASH1	14	76306133	7	0.729333
rs3815550	VASH1	14	76306133	2	2.036958
rs3815550	VASH1	14	76306133	3	1.536977
rs2280796	VASH1	14	76316511	6	1.554829
rs2280796	VASH1	14	76316511	1	0.920332
rs2280796	VASH1	14	76316511	3	0.792624
rs2280796	VASH1	14	76316511	5	1.104273
rs926120	C14orf166B	14	76362745	6	0.045881
rs7160583	C14orf166B	14	76402161	3	1.618611
rs7160583	C14orf166B	14	76402161	1	3.498107
rs7160583	C14orf166B	14	76402161	8	2.169672
rs7160583	C14orf166B	14	76402161	6	1.112679

rs7160583	C14orf166B	14	76402161	7	2.120535
rs4903543	KIAA1737	14	76651014	4	0.122858
rs4903543	KIAA1737	14	76651014	6	0.494402
rs4903543	KIAA1737	14	76651014	8	0.287587
rs4903543	KIAA1737	14	76651014	7	4.497572
rs403291	TMEM63C	14	76772810	4	0.200193
rs403291	TMEM63C	14	76772810	6	2.983212
rs403291	TMEM63C	14	76772810	1	4.800579
rs429443	TMEM63C	14	76793012	1	1.540852
rs429443	TMEM63C	14	76793012	4	0.309729
rs429443	TMEM63C	14	76793012	2	2.216375
rs429443	TMEM63C	14	76793012	3	1.333342
rs429443	TMEM63C	14	76793012	7	1.437966
rs384492	TMEM63C	14	76793223	3	2.488468
rs384492	TMEM63C	14	76793223	1	0.763548
rs3813539	TMEM63C	14	76793979	1	3.313688
rs2270421	POMT2	14	76856841	1	4.807322
rs2270421	POMT2	14	76856841	4	0.704665
rs2270421	POMT2	14	76856841	3	4.470926
rs8177538	GSTZ1	14	76857459	3	0.395258
rs3177427	GSTZ1	14	76862960	3	0.314577
rs3177427	GSTZ1	14	76862960	1	4.044258
rs7972	GSTZ1	14	76862990	3	0.329296
rs3742737	TMED8	14	76913137	2	0.412408
rs3742737	TMED8	14	76913137	1	0.458097
rs3742737	TMED8	14	76913137	4	2.972102
rs3742737	TMED8	14	76913137	6	0.412623
rs11844594	C14orf174	14	76913567	2	0.021296
rs11844594	C14orf174	14	76913567	1	0.11624
rs11844594	C14orf174	14	76913567	3	0.037597
rs11844594	C14orf174	14	76913567	4	0.230795
rs4903576	C14orf174	14	76914622	1	1.24025
rs4903576	C14orf174	14	76914622	3	1.367127
rs4903576	C14orf174	14	76914622	4	0.668236
rs2193595	C14orf174	14	76914874	4	4.411928
rs2193595	C14orf174	14	76914874	1	0.541787
rs2193595	C14orf174	14	76914874	3	1.443455
rs10130481	C14orf148	14	76950058	6	0.891272
rs10130481	C14orf148	14	76950058	3	1.300212
rs4223	C14orf133	14	76963029	4	6.467381
rs4223	C14orf133	14	76963029	1	0.041265
rs4223	C14orf133	14	76963029	3	0.406316
rs11539461	AHSA1	14	77005412	2	9.175023
rs11539461	AHSA1	14	77005412	1	11.00847
rs12434449	THSD3	14	77034414	3	0.63627
rs6494	ALKBH1	14	77210108	3	0.095789
rs6494	ALKBH1	14	77210108	2	0.659102



rs6494	ALKBH1	14	77210108	5	0.02192
rs6494	ALKBH1	14	77210108	6	0.079091
rs11159286	C14orf156	14	77244226	1	3.680067
rs12879016	NRXN3	14	79399885	2	2.610244
rs12879016	NRXN3	14	79399885	7	2.894602
rs12879016	NRXN3	14	79399885	5	0.826785
rs225015	DIO2	14	79737332	1	2.347987
rs225015	DIO2	14	79737332	8	0.057588
rs225015	DIO2	14	79737332	5	1.112286
rs7140952	DIO2	14	79738025	6	0.674325
rs7140952	DIO2	14	79738025	2	6.05896
rs225014	DIO2	14	79739333	8	0.019605
rs225014	DIO2	14	79739333	1	4.78891
rs225014	DIO2	14	79739333	7	0.828207
rs225014	DIO2	14	79739333	5	0.405819
rs3783942	TSHR	14	80644712	5	0.143452
rs3783942	TSHR	14	80644712	1	5.850596
rs3783942	TSHR	14	80644712	6	0.582121
rs3783941	TSHR	14	80644758	5	0.112515
rs3783941	TSHR	14	80644758	1	4.782716
rs3783941	TSHR	14	80644758	6	0.3945
rs1991517	TSHR	14	80680336	6	3.009447
rs7144481	TSHR	14	80680695	3	1.595233
rs7144481	TSHR	14	80680695	6	0.385478
rs7144481	TSHR	14	80680695	2	2.535677
rs17630128	TSHR	14	80680881	7	0.430241
rs2288493	TSHR	14	80681359	7	1.012291
rs2288496	TSHR	14	80681867	2	4.757827
rs2288496	TSHR	14	80681867	8	0.656469
rs2288496	TSHR	14	80681867	3	1.178693
rs2288496	TSHR	14	80681867	6	0.006632
rs2288496	TSHR	14	80681867	4	0.910067
rs11159706	LOC730034	14	85065440	2	4.534251
rs11159706	LOC730034	14	85065440	5	0.573835
rs11159707	LOC730034	14	85065552	5	0.256955
rs11159707	LOC730034	14	85065552	2	0.008041
rs11159707	LOC730034	14	85065552	7	0.722058
rs17714100	FLRT2	14	85159006	8	7.127356
rs17121383	FLRT2	14	85161663	8	0.505655
rs2038494	FLRT2	14	85161999	2	4.696458
rs1042029	GALC	14	87470239	7	0.209373
rs1042029	GALC	14	87470239	1	0.508265
rs1042029	GALC	14	87470239	5	6.116139
rs398076	GALC	14	87483964	5	0.669502
rs398076	GALC	14	87483964	1	0.119177
rs17687109	GALC	14	87499443	4	1.336131
rs10139328	GPR65	14	87541315	7	2.006789

rs10139328	GPR65	14	87541315	1	4.141187
rs10139328	GPR65	14	87541315	5	1.729903
rs6574978	GPR65	14	87547166	5	2.158692
rs6574978	GPR65	14	87547166	1	3.22317
rs17762463	KCNK10	14	87721715	8	2.445846
rs2277524	KCNK10	14	87763478	5	1.351555
rs2277524	KCNK10	14	87763478	4	1.526537
rs9026	C14orf143	14	89333253	3	1.110729
rs8778	C14orf143	14	89468660	6	1.339463
rs12147332	KCNK13	14	89721110	7	1.741177
rs12147332	KCNK13	14	89721110	3	1.088091
rs3742671	C14orf102	14	89826513	2	7.10777
rs3179089	CALM1	14	89943165	7	0.568235
rs3179089	CALM1	14	89943165	3	0.129319
rs3179089	CALM1	14	89943165	8	6.115819
rs3179089	CALM1	14	89943165	6	0.985879
rs3179089	CALM1	14	89943165	5	0.030977
rs3742660	TTC7B	14	90193328	5	0.392418
rs3742660	TTC7B	14	90193328	3	0.077785
rs1285859	C14orf159	14	90761107	7	0.013107
rs6562	C14orf159	14	90761224	7	0.264491
rs12891713	CCDC88C	14	90830275	1	3.703616
rs12891713	CCDC88C	14	90830275	5	4.60389
rs1970912	CCDC88C	14	90843321	5	0.361509
rs1970912	CCDC88C	14	90843321	1	0.533252
rs1970912	CCDC88C	14	90843321	6	0.046189
rs1970912	CCDC88C	14	90843321	3	1.089368
rs1970912	CCDC88C	14	90843321	7	1.075701
rs2430347	FBLN5	14	91417433	1	4.187016
rs2430347	FBLN5	14	91417433	4	0.359339
rs17127898	TRIP11	14	91575668	8	0.119329
rs13350	NDUFB1	14	91652225	1	1.919125
rs13350	NDUFB1	14	91652225	5	0.518733
rs4900131	SLC24A4	14	92029901	4	0.068072
rs12888354	SLC24A4	14	92029925	5	0.074835
rs12888354	SLC24A4	14	92029925	3	0.031534
rs4900132	SLC24A4	14	92029991	5	0.996391
rs4900132	SLC24A4	14	92029991	1	0.86269
rs3814830	RIN3	14	92187951	3	0.635054
rs9791	LGMN	14	92240746	8	1.39443
rs9791	LGMN	14	92240746	1	0.352369
rs729940	CHGA	14	92468854	7	0.179453
rs941581	CHGA	14	92470931	1	0.296359
rs941581	CHGA	14	92470931	6	3.228117
rs941581	CHGA	14	92470931	4	0.15206
rs941581	CHGA	14	92470931	7	0.269726
rs941581	CHGA	14	92470931	8	4.324055

rs8017818	MOAP1	14	92720807	6	1.252483
rs8017818	MOAP1	14	92720807	4	0.515658
rs8008104	PRIMA1	14	93256125	1	1.798373
rs8008104	PRIMA1	14	93256125	4	1.686438
rs1887197	PRIMA1	14	93257585	2	3.240656
rs1887197	PRIMA1	14	93257585	3	0.261915
rs7147919	ASB2	14	93487174	4	2.024799
SNP14-93487284	ASB2	14	93487284	1	1.513468
rs4277287	ASB2	14	93487294	5	0.395246
rs4277287	ASB2	14	93487294	4	0.867974
rs4483793	ASB2	14	93487339	4	1.99102
rs10142728	C14orf48	14	93534242	3	0.194935
rs2273226	OTUB2	14	93580717	1	0.173417
rs2273226	OTUB2	14	93580717	7	0.313188
rs2273226	OTUB2	14	93580717	8	0.596271
rs1950643	KIAA1622	14	93815323	6	1.723708
rs1950643	KIAA1622	14	93815323	8	0.955418
rs941591	SERPINA10	14	93826503	6	0.856151
rs941590	SERPINA10	14	93826547	3	1.78319
rs941590	SERPINA10	14	93826547	5	2.015664
rs941590	SERPINA10	14	93826547	7	1.107108
SNP14-93845974	SERPINA6	14	93845974	6	1.34889
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SNP14-93845974	SERPINA6	14	93845974	5	2.612686
SNP14-93845974	SERPINA6	14	93845974	3	2.168865
SNP14-93845974	SERPINA6	14	93845974	2	1.919059
rs4592582	SERPINA2	14	93902549	2	0.105528
rs1243166	SERPINA2	14	93913571	3	1.041115
rs1243166	SERPINA2	14	93913571	1	6.049724
rs1243163	SERPINA1	14	93914459	8	2.601376
rs1243163	SERPINA1	14	93914459	5	2.09938
rs12888805	SERPINA11	14	93982552	1	0.425718
rs12888805	SERPINA11	14	93982552	2	1.745474
rs12888805	SERPINA11	14	93982552	3	0.244438
SNP14-93982649	SERPINA11	14	93982649	7	0.721428
SNP14-93982649	SERPINA11	14	93982649	5	1.090514
SNP14-94003393	SERPINA9	14	94003393	7	0.255613
SNP14-94003393	SERPINA9	14	94003393	1	1.751449
rs12879019	SERPINA9	14	94005654	6	3.56623
rs5508	SERPINA4	14	94099605	4	0.370918
rs5508	SERPINA4	14	94099605	5	0.562397
rs5510	SERPINA4	14	94103109	6	0.763161
rs6118	SERPINA5	14	94123616	6	2.88603
SNP14-94123643	SERPINA5	14	94123643	1	4.380231
SNP14-94123643	SERPINA5	14	94123643	8	2.705608
SNP14-94123643	SERPINA5	14	94123643	5	0.038341
rs6108	SERPINA5	14	94128384	8	3.65E-06

rs6108	SERPINA5	14	94128384	7	0.359862
rs6108	SERPINA5	14	94128384	5	0.270505
rs6108	SERPINA5	14	94128384	6	8.407777
rs6108	SERPINA5	14	94128384	1	4.365543
rs12885659	LOC390503	14	94170528	1	0.115746
rs17826595	SERPINA13	14	94179586	7	0.030736
rs17826595	SERPINA13	14	94179586	4	0.105926
rs13078	DICER1	14	94626500	5	8.168851
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rs13078	DICER1	14	94626500	3	0.364007
rs3742345	C14orf139	14	94945095	6	0.571699
rs3742343	C14orf139	14	94946140	5	0.876883
rs12434757	C14orf49	14	94954076	6	0.856808
rs12434757	C14orf49	14	94954076	1	0.445601
rs12434757	C14orf49	14	94954076	2	0.781953
rs12434757	C14orf49	14	94954076	3	0.564659
rs9671369	C14orf49	14	94976074	8	1.137364
rs9671369	C14orf49	14	94976074	6	0.227328
rs9671369	C14orf49	14	94976074	3	1.198625
rs9919918	C14orf49	14	94980686	4	1.41499
rs9919918	C14orf49	14	94980686	6	0.831405
rs9919918	C14orf49	14	94980686	1	3.322095
rs9919918	C14orf49	14	94980686	3	0.588234
rs4905318	C14orf49	14	94988378	7	0.882601
rs4905318	C14orf49	14	94988378	6	2.922405
rs4905318	C14orf49	14	94988378	3	0.370728
rs4905318	C14orf49	14	94988378	5	0.737476
rs4905318	C14orf49	14	94988378	8	2.354778
rs2024863	C14orf49	14	94993423	7	0.829215
rs2024863	C14orf49	14	94993423	3	1.201484
rs2024863	C14orf49	14	94993423	4	1.308188
rs2024863	C14orf49	14	94993423	6	3.548605
rs2024863	C14orf49	14	94993423	8	6.18978
rs2024863	C14orf49	14	94993423	5	2.101225
rs6575536	TCL6	14	95187492	1	1.372815
rs8018690	TCL6	14	95187537	6	0.719945
rs8018690	TCL6	14	95187537	1	0.309568
rs9591	TCL6	14	95205284	5	1.689089
SNP14-95227432	TCL1B	14	95227432	8	2.917584
SNP14-95227432	TCL1B	14	95227432	5	2.399825
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SNP14-95227432	TCL1B	14	95227432	4	3.012628
rs3208738	C14orf132	14	95625170	6	0.112188
rs3208738	C14orf132	14	95625170	7	5.422697
rs3742480	C14orf132	14	95626021	7	0.962611
rs3742480	C14orf132	14	95626021	6	0.495817
rs3809416	C14orf132	14	95627626	3	0.732119

rs3809416	C14orf132	14	95627626	5	0.105845
rs1062709	C14orf132	14	95628302	7	0.180875
rs1062709	C14orf132	14	95628302	5	1.855657
rs1062709	C14orf132	14	95628302	3	0.53114
rs2146934	C14orf132	14	95628634	6	0.89575
rs2146934	C14orf132	14	95628634	7	1.128322
rs1062710	C14orf132	14	95629212	7	1.177571
rs1062710	C14orf132	14	95629212	6	0.467
rs10082	C14orf132	14	95629544	6	2.372526
rs10082	C14orf132	14	95629544	5	1.611182
rs10082	C14orf132	14	95629544	7	1.915791
rs10752	C14orf132	14	95629836	7	0.873962
rs10752	C14orf132	14	95629836	5	1.043959
rs5224	BDKRB2	14	95777210	2	1.443989
rs5224	BDKRB2	14	95777210	6	0.689848
rs5225	BDKRB2	14	95777976	7	0.769837
rs2069589	BDKRB2	14	95778469	7	5.843275
rs2069589	BDKRB2	14	95778469	3	1.281393
rs2069590	BDKRB2	14	95778535	3	0.524886
rs2069590	BDKRB2	14	95778535	5	0.042977
rs2069590	BDKRB2	14	95778535	4	0.896269
rs2069591	BDKRB2	14	95778585	3	1.05925
rs2069591	BDKRB2	14	95778585	7	1.103169
rs2069592	BDKRB2	14	95778601	3	1.912564
rs2069592	BDKRB2	14	95778601	7	0.978593
rs2071084	BDKRB1	14	95799895	2	2.994261
rs2369679	AK7	14	95992505	7	0.447172
rs2369679	AK7	14	95992505	1	6.049146
rs7160148	LOC730202	14	96038357	7	1.362828
rs11160553	EML1	14	99401629	4	0.16525
rs11160553	EML1	14	99401629	7	0.525264
rs2250718	EML1	14	99450701	3	0.161613
rs2250718	EML1	14	99450701	8	0.257923
rs2250718	EML1	14	99450701	1	4.369869
rs1044631	EML1	14	99477134	3	0.115519
rs1044631	EML1	14	99477134	8	4.667554
rs2236317	DEGS2	14	99682846	8	5.929688
rs2236317	DEGS2	14	99682846	6	7.649096
SNP14-99864892	C14orf68	14	99864892	5	1.180423
rs2234519	WARS	14	99911648	7	0.767797
rs12893951	BEGAIN	14	100074968	3	0.757457
rs12893951	BEGAIN	14	100074968	1	0.762039
rs12893951	BEGAIN	14	100074968	6	1.698763
rs12892787	C14orf70	14	100208760	4	0.793938
rs1802710	DLK1	14	100270398	6	1.613068
rs1802710	DLK1	14	100270398	8	4.468732
rs1802710	DLK1	14	100270398	7	1.538976

rs941575	MEG3	14	100365583	8	3.8554
rs3825569	RTL1	14	100420051	5	0.629424
rs3809403	FLJ41170	14	100542369	6	0.927399
rs8011440	LOC730241	14	101094911	7	1.731757
rs945006	DIO3	14	101099030	3	1.160898
rs945006	DIO3	14	101099030	5	0.020555
rs8005905	HSP90AA1	14	101638120	7	1.313536
SNP14-10186238	C14orf131	14	101862384	7	0.487002
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rs17100874	KIAA0329	14	101912810	5	7.213415
SNP14-10197095	KIAA0329	14	101970954	3	0.121788
rs17100923	KIAA0329	14	101979744	7	0.599093
GA011875	KIAA0329	14	102034407	3	0.35471
GA011875	KIAA0329	14	102034407	8	6.737414
GA011875	KIAA0329	14	102034407	2	1.966705
GA011875	KIAA0329	14	102034407	4	0.238267
rs2273905	ANKRD9	14	102044752	3	0.017141
rs2273905	ANKRD9	14	102044752	4	0.303794
rs2273905	ANKRD9	14	102044752	8	2.347075
rs2273905	ANKRD9	14	102044752	2	4.192043
rs1131877	TRAF3	14	102411802	4	0.259367
rs1131877	TRAF3	14	102411802	3	0.424468
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rs1190233	AMN	14	102466808	8	4.534729
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rs8009219	CDC42BPB	14	102510226	3	0.647695
rs8009219	CDC42BPB	14	102510226	7	0.762581
rs35954043	CDC42BPB	14	102535801	8	3.593104
rs729185	C14orf73	14	102646148	4	0.026964
rs3870	C14orf73	14	102646528	4	0.242814
rs3178152	TNFAIP2	14	102663703	8	0.345353
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rs1052912	TNFAIP2	14	102673406	3	0.055795
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rs7161305	C14orf172	14	103071987	3	0.354952
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rs7161305	C14orf172	14	103071987	6	0.782234
rs7148456	BAG5	14	103098023	4	0.661963
rs7148456	BAG5	14	103098023	6	0.682731
rs7148456	BAG5	14	103098023	2	2.094054
rs3212068	LOC730176	14	103241511	8	7.576896
rs3212068	LOC730176	14	103241511	3	2.094777

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rs2487305	KIF26A	14	103711545	2	1.715684
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rs947000	KIF26A	14	103716470	5	0.115273
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rs10083486	C14orf180	14	104126989	5	0.215207
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rs45449696	KIAA0284	14	104421223	3	0.554907
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rs3742935	AHNAK2	14	104476644	2	7.381842
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rs4983413	MTA1	14	105001451	5	0.142957
rs885883	IGHVII-78-1	14	106345097	7	0.360432
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rs1059774	NIPA1	15	20599143	3	0.080796
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rs9785	MAGEL2	15	21440126	1	0.469362
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rs4906743	ATP10A	15	23473746	5	0.504863



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rs2066710	ATP10A	15	23474580	6	2.708249
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rs3816800	ATP10A	15	23476187	3	0.738494
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rs17555920	ATP10A	15	23504291	6	5.496567
rs2066704	ATP10A	15	23504535	5	0.334966
rs17116056	ATP10A	15	23520183	6	4.852524
rs2017247	GABRB3	15	24340255	3	1.622053
rs2017247	GABRB3	15	24340255	5	0.110544
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rs12595837	LOC730017	15	24421157	6	0.630876
rs140685	GABRA5	15	24771205	8	4.672818
rs1800407	OCA2	15	25903913	5	1.210973
rs3751555	APBA2	15	27197365	4	3.53374
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rs1852033	LOC390561	15	28877893	1	1.225028
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rs3512	MTMR15	15	29022297	7	8.40815
rs3512	MTMR15	15	29022297	8	5.180155
rs11629793	MTMR10	15	29025715	7	1.013237

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rs2949569	MTMR10	15	29025864	3	0.984674
rs2949569	MTMR10	15	29025864	4	0.926382
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rs3743105	GREM1	15	30811243	7	1.110253
rs3743103	GREM1	15	30812919	7	0.872542
rs10318	GREM1	15	30813271	1	0.276126
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rs1129456	GREM1	15	30813959	5	0.513452
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rs17236798	SLC12A6	15	32330164	7	0.259818
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rs7173	NOLA3	15	32421312	4	0.543997
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rs7164070	AQR	15	33049244	6	0.773398
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rs1015943	C15orf41	15	34889080	5	5.287947
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rs12595568	C15orf53	15	36778095	3	0.781163
rs1495185	C15orf53	15	36778728	2	1.56311
rs1495185	C15orf53	15	36778728	4	0.186326
rs12916379	C15orf53	15	36778812	7	1.662046

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rs156783	C15orf54	15	37332324	6	5.265903
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rs13329154	C15orf54	15	37332440	3	0.967777
rs17691608	C15orf54	15	37332773	3	0.425384
rs1478605	THBS1	15	37660576	3	0.201147
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rs2229364	THBS1	15	37667009	4	0.400466
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rs12908846	FSIP1	15	37697696	4	0.153949
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rs2619679	LOC729029	15	38773529	8	1.198806
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rs676180	SPINT1	15	38937009	3	0.878746
rs690733	EXDL1	15	39263757	3	0.77692
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rs2605570	MGA	15	39846813	8	0.38372
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rs1197669	PLA2G4B	15	39925748	7	1.302702
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rs1197669	PLA2G4B	15	39925748	3	0.310737
SNP15-39930410	SPTBN5	15	39930410	6	0.640962

rs1197660	SPTBN5	15	39933228	7	0.743122
rs1197660	SPTBN5	15	39933228	3	0.487016
SNP15-39936798	SPTBN5	15	39936798	7	1.039481
rs1197675	SPTBN5	15	39936888	5	1.109972
rs1197675	SPTBN5	15	39936888	2	0.239894
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rs1197675	SPTBN5	15	39936888	3	0.557248
rs16972193	SPTBN5	15	39942030	6	0.836583
SNP15-39946582	SPTBN5	15	39946582	2	0.252162
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rs12593397	SPTBN5	15	39953792	7	0.532562
SNP15-39955692	SPTBN5	15	39955692	3	0.093082
SNP15-39955692	SPTBN5	15	39955692	5	2.848889
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SNP15-39955692	SPTBN5	15	39955692	7	0.343809
rs12708402	SPTBN5	15	39958754	1	1.682423
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rs2578652	GANC	15	40405823	2	2.116684

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rs8044363	CACNA1H	16	1190560	5	0.985924
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rs4247094	CACNA1H	16	1210350	5	1.645156
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rs2294619	MAPK8IP3	16	1754441	5	1.144525
rs344359	NUBP2	16	1778641	2	0.207662

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rs9806826	C16orf73	16	1834913	3	0.560039
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rs11556528	ZNF598	16	1990193	2	1.364465
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rs41292293	SLC9A3R2	16	2026967	1	5.140484
GA012845	SLC9A3R2	16	2028411	2	3.35068
rs34012042	TSC2	16	2054408	7	4.465786
rs45498900	TSC2	16	2078683	5	0.863524
rs3087631	PKD1	16	2079128	4	0.699237
rs26862	GBL	16	2197106	3	0.230853
rs26862	GBL	16	2197106	4	0.686907
SNP16-2200568	C16orf79	16	2200568	3	0.540947
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SNP16-2200613	C16orf79	16	2200613	7	0.255237
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rs1126	LOC283871	16	2202114	7	0.519446
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rs149532	ABCA3	16	2271431	1	3.349579
rs323043	ABCA3	16	2288529	6	3.253562
rs323043	ABCA3	16	2288529	5	0.237899

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rs4332747	ABCA17	16	2400424	4	3.637478
rs10866	PDPK1	16	2587877	7	0.845797
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rs886953	LOC124220	16	2822268	6	2.136633
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rs12786	PRSS22	16	2842833	2	4.986504
rs12786	PRSS22	16	2842833	7	5.169744
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rs1063677	FLYWCH2	16	2885249	4	7.491523
rs9673618	LOC729718	16	2892424	7	0.224838
rs9673618	LOC729718	16	2892424	4	0.398875
rs2074365	FLYWCH1	16	2904284	6	0.748629
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rs2269911	CLDN6	16	3005925	8	0.031387
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rs220379	ZNF263	16	3279436	7	0.422122
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rs1228348	OR2C1	16	3345995	3	0.980515
rs27241	ZNF434	16	3387283	7	1.357475
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GA012923	C16orf71	16	4737458	5	1.516262
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rs8050530	LOC400499	16	11462368	7	1.123522

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rs4781107	LOC400499	16	11479920	7	0.444285
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rs12931799	MYH11	16	15749274	2	4.518111
rs880071	MYH11	16	15749524	1	0.18866
rs2272554	MYH11	16	15757705	4	1.036503
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GA013073	ABCC1	16	16080733	3	0.581018
rs129081	ABCC1	16	16143440	5	0.725041
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rs2238472	ABCC6	16	16159100	6	0.055313
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SNP16-20883861	DNAH3	16	20883861	5	1.049078
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rs9937453	VWA3A	16	22063130	7	1.033531
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rs17841292	EEF2K	16	22144774	8	5.337849
rs2290829	EEF2K	16	22203987	7	0.054483

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rs6497671	EARS2	16	23444185	5	0.595992
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rs3809682	ERN2	16	23632254	5	1.059339
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rs9922288	RBBP6	16	24458431	7	0.193886
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rs7196016	CCDC135	16	56293401	3	0.043013
rs7196016	CCDC135	16	56293401	5	0.625065
rs2923147	CCDC135	16	56319902	1	2.404282
rs1061546	KATNB1	16	56328627	1	4.060856
rs1061546	KATNB1	16	56328627	7	5.425585
rs1061546	KATNB1	16	56328627	6	0.038771
rs7200390	LOC388282	16	56408106	3	1.473205
rs10459809	CNGB1	16	56506725	6	0.197454
rs10459809	CNGB1	16	56506725	3	0.723395
rs376270	CNGB1	16	56507558	5	1.174966
rs2161703	CNGB1	16	56511949	3	0.911688



rs12927214	CNGB1	16	56514717	3	1.445826
rs9934227	TEPP	16	56576897	7	0.883594
rs9934227	TEPP	16	56576897	5	3.369513
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rs3743554	ZNF319	16	56587693	1	3.396079
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rs3743554	ZNF319	16	56587693	8	5.562853
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rs3743563	MMP15	16	56636666	5	0.103104
rs3743563	MMP15	16	56636666	8	0.236497
rs3743563	MMP15	16	56636666	6	1.490326
rs3743574	C16orf80	16	56720597	4	0.229329
rs17241091	Klkb14	16	56871449	1	5.710029
rs1052276	Klkb14	16	56872099	6	0.457631
rs1052276	Klkb14	16	56872099	4	3.245443
rs1052276	Klkb14	16	56872099	5	0.439562
rs16960029	CCDC113	16	56872626	6	1.058867
rs16960029	CCDC113	16	56872626	4	0.333319
rs16960029	CCDC113	16	56872626	5	0.525855
rs16960032	CCDC113	16	56873082	5	0.555052
rs16960032	CCDC113	16	56873082	4	0.035837
rs16960035	CCDC113	16	56873132	5	0.790844
rs16960035	CCDC113	16	56873132	6	0.777992
rs16960035	CCDC113	16	56873132	4	0.018077
rs3743580	CCDC113	16	56874016	5	0.619439
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rs42945	NDRG4	16	57102927	7	1.90675
rs1058132	NDRG4	16	57103798	4	0.275431
rs1058132	NDRG4	16	57103798	3	0.712609
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rs4784964	FLJ10815	16	57258304	6	0.820368
rs7191331	FLJ10815	16	57271299	1	6.114413
rs7191331	FLJ10815	16	57271299	4	0.296488
rs6993	GOT2	16	57298868	6	0.315676
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rs6993	GOT2	16	57298868	2	9.750479
rs30842	GOT2	16	57300955	6	0.205986
rs30842	GOT2	16	57300955	3	0.742116
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rs35213	CDH11	16	63573588	2	0.845387
rs35213	CDH11	16	63573588	3	1.855588
rs35195	CDH11	16	63583219	7	0.392582

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rs363162	CCDC79	16	65370298	1	3.410344
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rs12051247	LRRC29	16	65798783	7	1.064648
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rs7186310	SLC9A5	16	65863014	7	1.32634
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rs11860295	PLEKHG4	16	65873735	2	4.665608
rs9922085	LRRC36	16	65955081	2	1.358568
rs16957415	LRRC36	16	65976458	2	2.14812
rs1053612	TPPP3	16	65981440	2	3.520708
rs11552319	TPPP3	16	65981623	2	3.526176
rs5479	HSD11B2	16	66027234	2	6.128364
GA013416	HSD11B2	16	66028604	7	6.583283
rs4360931	ATP6V0D1	16	66029427	7	0.225414
rs4474673	RANBP10	16	66316279	8	8.090074
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rs1126933	CDH3	16	67279034	4	5.716966
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rs1127231	VPS4A	16	67912464	3	1.13198
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GA031593	VPS4A	16	67912656	3	0.431272
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rs689453	NQO1	16	68309874	3	0.148045
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rs2270841	WWP2	16	68525398	6	0.16218
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rs2270844	WWP2	16	68530798	3	0.010867
rs3192882	WWP2	16	68533132	5	0.081296
rs3192882	WWP2	16	68533132	2	4.755489
rs3192882	WWP2	16	68533132	3	0.519104
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rs7192865	FUK	16	69064408	4	0.647791
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rs7192865	FUK	16	69064408	2	1.324516
rs17884050	FUK	16	69067102	6	0.742277
rs33910368	SF3B3	16	69126716	6	5.097774
rs33910368	SF3B3	16	69126716	4	6.255003
rs33910368	SF3B3	16	69126716	3	0.095481
rs33910368	SF3B3	16	69126716	7	0.493954
rs33910368	SF3B3	16	69126716	1	0.157573
rs33910368	SF3B3	16	69126716	2	1.090189
rs3813904	C16orf77	16	69238245	4	1.123154
rs8046424	C16orf77	16	69248490	4	1.531166
rs4985556	C16orf77	16	69251501	4	3.521911
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rs1022217	HYDIN	16	69618793	8	2.52129
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rs1609868	LOC729556	16	70047794	4	0.700671
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rs2303788	LOC729556	16	70055419	4	0.308231
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rs10500557	ZNF19	16	70067280	8	8.715527
rs8050871	ZNF19	16	70067297	5	0.196365
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rs17358402	PKD1L3	16	70525428	4	0.406689
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rs17358402	PKD1L3	16	70525428	8	2.987173
rs1035543	PKD1L3	16	70541273	3	1.648769
rs9921412	PKD1L3	16	70545607	1	2.543134
rs9921412	PKD1L3	16	70545607	4	0.878779
rs1559400	PKD1L3	16	70568694	3	0.279368
rs4788591	PKD1L3	16	70577824	3	0.643399
rs3213422	DHODH	16	70600183	5	0.217138
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rs5475	HP	16	70651849	7	2.117028
rs5475	HP	16	70651849	4	2.31844

rs11642506	HPR	16	70665366	4	0.46173
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rs4788459	PMFBP1	16	70710626	1	4.877574
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rs16973716	PMFBP1	16	70714343	7	0.902913
rs34832584	PMFBP1	16	70720467	1	4.382964
rs34832584	PMFBP1	16	70720467	7	0.855998
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rs699444	ZFH3	16	71385259	1	3.120054
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rs12448858	WDR59	16	73576375	4	4.325581
rs12448858	WDR59	16	73576375	5	6.127176
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rs1043503	ZNRF1	16	73701798	2	1.283103
rs1043503	ZNRF1	16	73701798	4	0.297447
rs1043509	ZNRF1	16	73701909	3	0.383584
rs4737	CTRB2	16	73795604	1	1.015496
rs11640206	BCAR1	16	73820430	5	0.380374

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rs4888432	CHST6	16	74068474	7	1.187899
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rs4888432	CHST6	16	74068474	3	0.627178
rs8048818	CHST5	16	74121247	2	3.099811
rs8048818	CHST5	16	74121247	4	0.244179
rs3784932	CHST5	16	74121788	2	3.231773
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rs2641806	CHST5	16	74122921	5	0.001767
SNP16-74200302	ADAT1	16	74200302	2	5.175818
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rs889707	ADAMTS18	16	75875257	2	1.245325
rs3743749	ADAMTS18	16	75880736	2	0.961016
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rs9930984	ADAMTS18	16	75911474	1	1.840081
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rs11643211	ADAMTS18	16	75959046	1	0.420607
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rs16946927	KIAA1576	16	76570887	3	0.271913
rs2072665	CLEC3A	16	76622989	6	3.372367
rs11545028	WWOX	16	76691172	6	0.949268
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rs12325279	LOC645957	16	77416906	6	0.086952
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rs1469122	C16orf61	16	79567574	1	0.057937
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rs2287991	CENPN	16	79598056	1	3.660485
rs16954513	ATMIN	16	79634705	1	4.834084
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rs16954698	PKD1L2	16	79714854	2	5.78033
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SNP16-79745210	PKD1L2	16	79745210	7	0.10101
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rs244811	KCNG4	16	82827882	7	0.160966
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rs12933084	WFDC1	16	82918034	5	1.599913
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rs7458	COTL1	16	83157031	1	3.507356
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rs1874008	CRISPLD2	16	83497980	3	0.524883
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rs3803632	CRISPLD2	16	83498026	6	0.509439
rs4783099	CRISPLD2	16	83498830	3	1.354294
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rs4565	GINS2	16	84268912	4	0.527113
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rs7204236	LOC283904	16	85079989	1	0.698263
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rs9903	MAP1LC3B	16	85994608	3	0.458084
rs918368	JPH3	16	86235645	3	0.36682
rs17699859	KLHDC4	16	86346337	4	0.380112
rs2303771	KLHDC4	16	86346365	8	5.035156
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rs8057773	C16orf85	16	87160848	1	3.186863

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rs6500476	C16orf85	16	87160855	7	0.090976
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rs475667	CDT1	16	87398468	7	0.939846
rs510862	CDT1	16	87400012	7	0.821985
rs510862	CDT1	16	87400012	3	0.354791
rs572275	CDT1	16	87402133	2	0.951046
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GA013636	CDH15	16	87787494	3	0.965745
rs9937322	C16orf55	16	88263424	2	2.270641
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rs9937322	C16orf55	16	88263424	1	0.493697
rs17177787	C16orf55	16	88264414	5	1.263071
rs3751680	C16orf55	16	88264830	5	0.927806
rs3803690	SPATA2L	16	88290860	4	1.268739
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rs17177891	ZNF276	16	88327451	2	3.467033
rs17232910	FANCA	16	88367267	2	3.161019
rs1800331	FANCA	16	88385918	2	0.331898
SNP16-88505105	TCF25	16	88505105	6	6.043647
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rs3212363	MC1R	16	88512942	3	0.229637
rs1805005	MC1R	16	88513345	1	0.241987
rs2228479	MC1R	16	88513441	2	2.122691
rs1805008	MC1R	16	88513645	1	4.180152
rs885479	MC1R	16	88513655	8	0.953328
rs4408545	AFG3L1	16	88571529	1	0.663089
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rs4408545	AFG3L1	16	88571529	7	0.913238
rs4408545	AFG3L1	16	88571529	3	0.959294
rs2241085	DBNDD1	16	88599766	6	0.407883
rs4362387	DBNDD1	16	88602727	2	5.345217
rs3785183	C16orf3	16	88623062	3	0.924398
rs3785183	C16orf3	16	88623062	7	0.568972
rs12925087	C16orf3	16	88623568	3	1.224099
rs17178299	GAS8	16	88631160	2	4.7236
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rs8046635	PRDM7	16	88650994	1	0.264037
rs3809643	PRDM7	16	88651774	1	0.834565
rs2396789	FLJ43681	17	8547	1	0.010949
rs9907477	NULL	17	62646	1	4.97298
rs9907477	NULL	17	62646	7	0.583825
rs9896436	KRTAP2-2	17	73422	7	1.590909
rs8078929	LOC729000	17	78232	1	3.467543
rs9675043	LOC729000	17	78382	1	1.836348
rs9675043	LOC729000	17	78382	7	0.218289
rs9675043	LOC729000	17	78382	4	0.090139
rs9675043	LOC729000	17	78382	8	0.430281
rs12603796	LOC728901	17	87761	5	0.57893
rs7223759	LOC728956	17	102209	7	0.127473
rs9900685	LOC728860	17	103469	3	0.307672
rs7208188	LOC728860	17	113034	1	1.666371
rs7208188	LOC728860	17	113034	7	0.659646

rs12947571	LOC728860	17	113794	8	0.979192
rs12947571	LOC728860	17	113794	1	4.968399
rs10871511	LOC728824	17	126701	3	0.775789
rs7223270	LOC728824	17	128389	1	3.860306
rs9789059	LOC646301	17	129225	1	1.900587
rs9788983	LOC646301	17	129457	3	0.444907
rs9788983	LOC646301	17	129457	7	0.676921
rs9788983	LOC646301	17	129457	1	0.62448
rs11867532	LOC728760	17	146428	7	0.139128
rs4556857	LOC644132	17	173906	3	0.927321
rs4556857	LOC644132	17	173906	7	0.691057
rs7224337	LOC644132	17	174121	3	0.968298
rs8069166	FAM101B	17	293366	8	1.23571
rs7813	GEMIN4	17	594936	2	4.16369
rs7813	GEMIN4	17	594936	6	6.555669
rs7813	GEMIN4	17	594936	4	1.143422
rs3744741	GEMIN4	17	595982	7	0.19962
rs2740348	GEMIN4	17	596685	6	0.011302
rs2740348	GEMIN4	17	596685	1	4.901728
rs2740348	GEMIN4	17	596685	4	1.002076
rs16955542	RNMTL1	17	632356	6	0.085976
rs2273454	RNMTL1	17	632390	7	0.041763
rs540226	NXN	17	650152	2	0.82432
rs540226	NXN	17	650152	7	2.751872
rs540226	NXN	17	650152	3	0.90627
rs540226	NXN	17	650152	5	4.442876
rs540226	NXN	17	650152	1	1.969439
rs3744755	ABR	17	854979	7	4.540375
rs3744755	ABR	17	854979	1	4.430745
rs3263	ABR	17	855545	1	3.730688
SNP17-906036	ABR	17	906036	7	0.076984
rs6502774	TUSC5	17	1130104	5	1.938039
rs6502774	TUSC5	17	1130104	4	0.652977
rs6502774	TUSC5	17	1130104	8	3.56527
rs6502774	TUSC5	17	1130104	7	1.645769
rs4790289	TUSC5	17	1150431	4	0.595831
rs4790289	TUSC5	17	1150431	1	0.751345
rs4790289	TUSC5	17	1150431	3	0.414471
rs2302458	MYO1C	17	1317292	8	0.360472
SNP17-1320268	MYO1C	17	1320268	5	4.851425
SNP17-1320268	MYO1C	17	1320268	2	4.880104
SNP17-1320268	MYO1C	17	1320268	7	0.050233
SNP17-1583684	WDR81	17	1583684	6	1.875731
rs8065251	WDR81	17	1584208	5	0.352608
rs8065251	WDR81	17	1584208	4	0.687479
rs2070862	SERPINF2	17	1595044	3	0.044315
rs2070862	SERPINF2	17	1595044	5	0.746602

rs6828	SERPINF1	17	1626752	8	6.36505
rs9902398	SMYD4	17	1633160	8	5.378359
SNP17-1729702	RPA1	17	1729702	3	0.806626
rs2230930	RPA1	17	1729707	4	7.39075
rs2230930	RPA1	17	1729707	6	2.964532
rs2230930	RPA1	17	1729707	1	2.968831
rs2230930	RPA1	17	1729707	3	0.289095
rs9906592	RTN4RL1	17	1786022	8	2.845343
rs9906592	RTN4RL1	17	1786022	5	0.882163
rs2236375	DPH1-OVCA2	17	1890638	6	0.800356
rs2236375	DPH1-OVCA2	17	1890638	3	1.412637
rs1051322	DPH1-OVCA2	17	1893253	2	8.70165
rs1051322	DPH1-OVCA2	17	1893253	4	0.440543
rs1051322	DPH1-OVCA2	17	1893253	3	0.199286
rs1051322	DPH1-OVCA2	17	1893253	1	0.014375
rs1051322	DPH1-OVCA2	17	1893253	8	0.195367
rs1051322	DPH1-OVCA2	17	1893253	5	0.484711
rs903157	SMG6	17	1911147	3	0.611681
rs903157	SMG6	17	1911147	6	9.222008
rs1885986	SMG6	17	2149925	2	0.642375
rs1885986	SMG6	17	2149925	3	1.047612
rs1885986	SMG6	17	2149925	8	0.364661
rs1885986	SMG6	17	2149925	1	0.002039
SNP17-2174405	SRR	17	2174405	3	0.477141
rs4613098	LOC284009	17	2265300	5	0.044623
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rs4613098	LOC284009	17	2265300	6	2.340182
rs4613098	LOC284009	17	2265300	4	0.332143
rs4613098	LOC284009	17	2265300	7	0.629803
rs4790335	LOC284009	17	2265445	5	0.247893
rs4790335	LOC284009	17	2265445	4	3.025226
rs4790335	LOC284009	17	2265445	7	0.603747
rs4790335	LOC284009	17	2265445	1	3.210924
rs4790115	GARNL4	17	2877089	5	5.312607
rs4790115	GARNL4	17	2877089	8	4.190708
rs4790115	GARNL4	17	2877089	7	0.520039
rs4790115	GARNL4	17	2877089	1	4.550014
rs4790115	GARNL4	17	2877089	3	0.719396
rs4264423	GARNL4	17	2886332	1	4.8036
rs4264423	GARNL4	17	2886332	6	0.189747
rs4264423	GARNL4	17	2886332	3	0.708151
rs769426	OR1A1	17	3066423	5	0.909471
rs769427	OR1A1	17	3066517	1	1.088397
rs2013809	OR3A2	17	3128305	5	1.960358
rs9903671	OR3A4	17	3160661	7	0.10502
rs231678	OR3A4	17	3160931	8	1.920532
rs11556563	SPATA22	17	3299059	8	3.55756



rs11556563	SPATA22	17	3299059	7	4.209235
rs11556563	SPATA22	17	3299059	5	5.114294
rs12948217	ASPA	17	3344452	8	1.181793
rs12948217	ASPA	17	3344452	2	0.866337
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rs7208811	TRPV3	17	3363305	7	0.338305
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rs7208811	TRPV3	17	3363305	8	0.303122
rs395357	TRPV3	17	3382830	8	0.827388
rs395357	TRPV3	17	3382830	6	1.383153
rs395357	TRPV3	17	3382830	5	0.686713
rs395357	TRPV3	17	3382830	3	3.351912
rs11078458	TRPV3	17	3392651	1	3.41602
rs11078458	TRPV3	17	3392651	3	4.405721
rs11078458	TRPV3	17	3392651	6	4.498836
rs11078458	TRPV3	17	3392651	5	0.415318
SNP17-3393635	TRPV3	17	3393635	1	2.692931
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SNP17-3393635	TRPV3	17	3393635	6	1.211413
rs1039519	TRPV3	17	3394664	5	0.688507
rs1039519	TRPV3	17	3394664	3	2.743533
rs1039519	TRPV3	17	3394664	1	1.615789
rs1039519	TRPV3	17	3394664	2	1.926236
rs1039519	TRPV3	17	3394664	6	0.64369
rs4790522	TRPV1	17	3416603	3	0.161856
rs4790522	TRPV1	17	3416603	1	0.73453
rs222747	TRPV1	17	3439949	4	1.503413
rs222747	TRPV1	17	3439949	6	4.755636
rs222747	TRPV1	17	3439949	5	0.605054
rs222749	TRPV1	17	3442123	1	4.16479
rs222749	TRPV1	17	3442123	7	5.494768
rs460716	TRPV1	17	3458557	5	4.309601
rs460716	TRPV1	17	3458557	7	0.407017
rs150857	CARKL	17	3473386	7	0.785401
rs17707869	CTNS	17	3486791	7	5.015667
rs1048682	CTNS	17	3511528	1	5.322126
rs160589	TAX1BP3	17	3518612	3	0.373758
rs3744679	ITGAE	17	3582489	3	0.406872
rs9135	CAMKK1	17	3710682	7	4.612816
rs2532947	CAMKK1	17	3715428	3	1.290769
rs7214864	CAMKK1	17	3722665	4	1.201355
rs917605	ATP2A3	17	3774251	7	0.537506
rs887387	ATP2A3	17	3775451	2	2.691376
rs3179783	ATP2A3	17	3787677	3	0.516647
rs3179783	ATP2A3	17	3787677	8	1.603097
rs3179783	ATP2A3	17	3787677	5	0.330616

rs1052617	ZZEF1	17	3856153	6	5.656858
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rs1052617	ZZEF1	17	3856153	3	0.416321
rs1052617	ZZEF1	17	3856153	7	0.151622
rs8075562	ZZEF1	17	3863572	2	3.202737
rs8075562	ZZEF1	17	3863572	3	0.380369
rs1006954	ZZEF1	17	3894282	1	2.917288
rs1043592	ANKFY1	17	4014064	2	6.159711
rs1043592	ANKFY1	17	4014064	3	0.099862
rs1043592	ANKFY1	17	4014064	5	0.490489
rs1043587	ANKFY1	17	4014301	8	10.20184
rs11655342	SPNS3	17	4303124	8	0.016256
rs11655342	SPNS3	17	4303124	6	0.992379
rs11655342	SPNS3	17	4303124	5	1.756478
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rs333121	SPNS3	17	4338179	7	3.061323
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rs3809849	MYBBP1A	17	4405347	1	0.753027
rs3809849	MYBBP1A	17	4405347	6	3.115903
rs3809849	MYBBP1A	17	4405347	2	0.489853
rs7216284	GGT6	17	4410448	6	1.646307
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rs7216474	GGT6	17	4410545	2	1.859186
rs7216474	GGT6	17	4410545	6	2.80634
rs7216474	GGT6	17	4410545	1	1.7018
rs4790654	SMTNL2	17	4442431	5	0.269639
rs12103697	SMTNL2	17	4445360	1	1.43419
rs12103697	SMTNL2	17	4445360	5	0.41583
rs916055	ALOX15	17	4481583	3	0.544819
rs743646	ALOX15	17	4482990	5	0.657614
rs743646	ALOX15	17	4482990	3	0.385191
rs8081507	PELP1	17	4524699	1	3.293513
rs9895782	LOC728244	17	4555207	1	3.766729
rs3826517	ZMYND15	17	4592073	3	1.932047
rs3826517	ZMYND15	17	4592073	2	4.7991
rs3826517	ZMYND15	17	4592073	8	1.224432
rs3826517	ZMYND15	17	4592073	5	5.761061
rs3826517	ZMYND15	17	4592073	6	2.413108
rs2279961	VMO1	17	4636053	1	4.671741
rs4790706	VMO1	17	4636312	2	4.265812
rs4790706	VMO1	17	4636312	3	1.424759
rs4790706	VMO1	17	4636312	5	0.701112
rs4790706	VMO1	17	4636312	8	0.3825
rs12951761	GLTPD2	17	4639794	3	1.276023
rs12951761	GLTPD2	17	4639794	2	3.992582

rs12951761	GLTPD2	17	4639794	5	0.267974
GA031922	PSMB6	17	4647046	6	0.278036
rs7211943	PLD2	17	4659359	7	6.928855
rs11556635	MINK1	17	4737062	6	1.673606
rs11556635	MINK1	17	4737062	2	0.039284
rs11556635	MINK1	17	4737062	5	0.66217
rs33970119	CHRNE	17	4745681	8	0.669315
rs33970119	CHRNE	17	4745681	4	1.049233
rs33970119	CHRNE	17	4745681	5	0.564067
rs6065	GP1BA	17	4777161	3	0.156474
rs238234	CAMTA2	17	4824542	4	3.870743
rs238234	CAMTA2	17	4824542	5	0.790059
SNP17-4832900	INCA1	17	4832900	1	0.131263
SNP17-4832900	INCA1	17	4832900	3	0.082258
SNP17-4832900	INCA1	17	4832900	2	0.27194
rs2304445	GPR172B	17	4877622	4	1.831406
rs2304445	GPR172B	17	4877622	5	1.969235
rs3744704	GPR172B	17	4878925	3	0.486146
rs3744705	ZFP3	17	4937694	1	3.554057
rs3744705	ZFP3	17	4937694	3	0.537653
rs3744706	ZFP3	17	4937763	4	0.910016
rs3744706	ZFP3	17	4937763	5	0.002319
rs12600437	ZFP3	17	4938157	5	0.955068
rs12600437	ZFP3	17	4938157	4	0.519865
rs3744708	ZFP3	17	4939576	1	4.851391
rs3744708	ZFP3	17	4939576	3	7.573606
rs3890287	USP6	17	4972892	3	1.183154
SNP17-4983439	USP6	17	4983439	1	4.681804
SNP17-4983439	USP6	17	4983439	3	3.212642
rs11658877	USP6	17	5013040	6	5.003775
rs11658877	USP6	17	5013040	5	6.587946
rs11658877	USP6	17	5013040	3	4.691195
rs11658877	USP6	17	5013040	8	1.334553
rs11658877	USP6	17	5013040	4	5.39679
rs11658877	USP6	17	5013040	2	5.760955
rs9908414	ZNF594	17	5027764	5	5.04009
rs9908414	ZNF594	17	5027764	3	0.645069
rs9908414	ZNF594	17	5027764	8	0.954078
rs2641256	C17orf87	17	5067398	1	5.294673
rs2641256	C17orf87	17	5067398	3	0.182148
rs2585271	C17orf87	17	5067413	8	4.819813
rs2585271	C17orf87	17	5067413	3	1.188079
SNP17-5212487	RABEP1	17	5212487	1	3.832526
rs10792	RABEP1	17	5228903	3	0.650894
rs10792	RABEP1	17	5228903	1	2.040195
rs10792	RABEP1	17	5228903	8	0.737368
rs1058400	RABEP1	17	5229518	5	0.005945

rs1058400	RABEP1	17	5229518	8	7.005245
rs1058400	RABEP1	17	5229518	3	0.021313
rs1058400	RABEP1	17	5229518	2	4.882268
rs2301739	NUP88	17	5249101	3	0.741742
rs2301739	NUP88	17	5249101	1	5.266774
rs1058117	RPAIN	17	5263930	2	0.495731
rs1058117	RPAIN	17	5263930	3	3.173266
rs1058117	RPAIN	17	5263930	6	2.542087
rs1058117	RPAIN	17	5263930	5	7.781685
rs1806269	RPAIN	17	5263952	5	2.579197
rs2189335	RPAIN	17	5266869	2	0.87805
rs2189335	RPAIN	17	5266869	1	0.720209
rs2189335	RPAIN	17	5266869	8	7.076888
rs2189335	RPAIN	17	5266869	3	0.874986
rs11653658	DHX33	17	5294928	6	4.735175
rs16954697	DHX33	17	5297637	6	3.75249
rs16954697	DHX33	17	5297637	1	6.22114
rs8069315	DHX33	17	5307671	5	4.670467
rs2309399	MIS12	17	5332414	8	0.292703
rs2309399	MIS12	17	5332414	5	0.090967
rs2309399	MIS12	17	5332414	3	0.798672
rs872569	LOC728392	17	5344986	5	0.592926
rs11653832	NLRP1	17	5365630	4	4.846325
rs11653580	NLRP1	17	5365715	4	5.16901
rs11653580	NLRP1	17	5365715	6	0.366211
rs11653580	NLRP1	17	5365715	2	5.991268
rs11651270	NLRP1	17	5365801	2	2.864865
rs11651270	NLRP1	17	5365801	4	0.078433
rs11651270	NLRP1	17	5365801	7	1.200503
rs11651270	NLRP1	17	5365801	3	4.317286
rs11651270	NLRP1	17	5365801	5	2.314794
rs11651270	NLRP1	17	5365801	8	3.550599
rs34733791	NLRP1	17	5378009	6	1.059344
rs11654427	NLRP1	17	5378020	3	3.253006
rs11657747	NLRP1	17	5385967	4	1.894819
rs11657747	NLRP1	17	5385967	6	6.366241
rs11657747	NLRP1	17	5385967	2	0.667788
rs12942931	NLRP1	17	5386038	4	1.711742
SNP17-5402395	NLRP1	17	5402395	6	5.642582
rs2001363	NLRP1	17	5403378	4	2.012209
rs11651595	NLRP1	17	5404003	4	1.785828
rs11651595	NLRP1	17	5404003	2	3.822973
rs11651595	NLRP1	17	5404003	6	0.319341
rs884367	NLRP1	17	5427888	8	6.813885
rs884367	NLRP1	17	5427888	4	0.549879
rs884367	NLRP1	17	5427888	3	1.50914
rs2302836	WSCD1	17	5932068	6	0.556366

rs11868551	WSCD1	17	5966196	1	2.681601
rs3826521	WSCD1	17	5966243	2	0.73741
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rs3744725	WSCD1	17	5966604	7	0.791883
rs3744725	WSCD1	17	5966604	5	0.795661
rs3826520	WSCD1	17	5967291	3	0.389138
rs28493751	PITPNM3	17	6382100	1	5.432992
rs4796519	KIAA0753	17	6452505	6	0.174573
rs4796519	KIAA0753	17	6452505	5	0.992554
rs2304977	KIAA0753	17	6454053	7	1.40652
rs2304977	KIAA0753	17	6454053	5	0.018152
SNP17-6456174	KIAA0753	17	6456174	1	4.406753
rs9889363	KIAA0753	17	6465022	6	4.668777
rs9889363	KIAA0753	17	6465022	5	0.362333
rs9889363	KIAA0753	17	6465022	7	0.546247
rs2072149	KIAA0753	17	6472372	5	0.434498
rs2301873	KIAA0753	17	6479079	5	0.111126
rs2301873	KIAA0753	17	6479079	6	0.692804
rs4796532	hCG_1985469	17	6497050	1	3.80512
rs218689	SLC13A5	17	6530074	2	3.817538
rs218689	SLC13A5	17	6530074	3	0.012151
rs218689	SLC13A5	17	6530074	4	0.920956
SNP17-6538204	SLC13A5	17	6538204	3	0.318895
SNP17-6538204	SLC13A5	17	6538204	4	2.155122
SNP17-6539819	SLC13A5	17	6539819	4	0.067815
SNP17-6539819	SLC13A5	17	6539819	3	0.527187
rs4796555	FBXO39	17	6623939	2	0.362149
rs4796555	FBXO39	17	6623939	3	0.527012
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SNP17-6630888	FBXO39	17	6630888	5	0.121975
SNP17-6630888	FBXO39	17	6630888	2	1.650504
SNP17-6630888	FBXO39	17	6630888	6	0.982635
rs17804647	TEKT1	17	6644795	5	1.236089
rs3744395	TEKT1	17	6656966	3	0.811295
rs11571326	LOC728478	17	6839621	2	2.695402
rs312466	LOC728478	17	6839945	5	1.097535
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rs312466	LOC728478	17	6839945	6	1.264554
rs312466	LOC728478	17	6839945	4	0.057348
rs1042356	ALOX12	17	6843467	6	3.214092
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rs1126667	ALOX12	17	6843484	8	1.495944
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rs434473	ALOX12	17	6845658	1	3.817493
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rs434473	ALOX12	17	6845658	4	7.840412
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rs2307214	ALOX12	17	6850562	2	3.490302
SNP17-6858574	RNASEK	17	6858574	2	1.479992
rs14309	C17orf49	17	6859817	2	3.36847
rs11653054	ASGR2	17	6945651	1	2.829439
rs12453853	LOC728486	17	6985470	6	1.434248
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rs17203281	DLG4	17	7040535	4	1.474199
rs2017365	DLG4	17	7063348	7	0.545909
rs222836	DVL2	17	7073886	4	0.751735
rs222836	DVL2	17	7073886	7	5.597602
rs222836	DVL2	17	7073886	8	0.117916
rs8082645	SLC2A4	17	7131159	1	0.950391
rs11078672	EIF5A	17	7155866	6	6.422132
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rs2270981	GPS2	17	7157264	1	3.526497
SNP17-7165645	KIAA1787	17	7165645	3	0.487913
SNP17-7171569	KIAA1787	17	7171569	7	0.148549
rs4796407	CENTB1	17	7186095	1	0.010307
rs4796407	CENTB1	17	7186095	3	1.734584
rs3809828	CENTB1	17	7187575	7	1.177764
rs35985803	CENTB1	17	7195039	7	0.188595
rs1554947	TNK1	17	7226990	8	0.298135
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rs2075759	TNK1	17	7233409	6	5.603767
rs4613118	PLSCR3	17	7238176	6	1.719412
rs4613118	PLSCR3	17	7238176	3	0.448385
GA013897	NLGN2	17	7260049	2	8.583724
GA013901	NLGN2	17	7263185	5	5.528653
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rs13290	C17orf74	17	7270356	1	0.334864
rs17856697	CHRN1	17	7289349	7	0.022716
rs2228129	POLR2A	17	7343324	1	3.928391
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rs2228132	POLR2A	17	7352494	1	3.548093
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rs17607	CD68	17	7425506	2	4.740665
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rs858520	SAT2	17	7470996	6	0.097885
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rs1050533	ATP1B2	17	7501019	1	0.813891
rs1050541	ATP1B2	17	7501560	4	3.437815
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rs2287499	WDR79	17	7532893	3	2.930518
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rs17806045	DNAH2	17	7623330	7	1.103122
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rs7217194	CNTROB	17	7793612	5	1.010733
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rs34598902	GUCY2D	17	7856637	7	0.65836
rs2816	GUCY2D	17	7864289	5	1.682125
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rs2241909	AURKB	17	8049064	5	5.859133
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rs3027235	C17orf68	17	8076171	3	0.356658
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rs3744647	ARHGEF15	17	8165001	5	2.04937
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rs1045172	ARHGEF15	17	8166493	3	0.976147
rs12601097	ODF4	17	8184386	5	0.404967
rs2430949	KRBA2	17	8213492	1	3.556054
rs10520	MYH10	17	8318991	5	1.274332
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rs8974	STX8	17	9094586	1	3.578093
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rs1133295	STX8	17	9412436	6	0.510716
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rs1047334	GAS7	17	9755912	4	0.911468
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rs1129464	GAS7	17	9757177	2	0.703563
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rs3177567	GAS7	17	9757356	1	0.772458
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rs2270121	GAS7	17	9757396	5	0.008061
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rs1047365	GAS7	17	9759695	6	5.267177
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rs2240739	GAS7	17	9760866	8	1.378142
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rs2286532	GAS7	17	9761003	1	1.301936
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rs876657	MYH3	17	10485141	4	1.387284
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rs445928	C17orf48	17	10555398	6	0.726481
rs379403	C17orf48	17	10555592	7	1.004381
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rs387022	C17orf48	17	10555594	7	1.100736
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rs411511	LOC388335	17	10557959	7	0.460158
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rs202311	LOC388335	17	10574083	7	1.948766
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rs3760435	DNAH9	17	11727016	5	1.399773
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rs2286303	DNAH9	17	11774012	5	0.761874
rs2072254	RICH2	17	12793184	7	2.599478
rs3213687	RICH2	17	12802895	6	5.215968
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rs6949	ELAC2	17	12836580	3	0.04153
rs17552022	ELAC2	17	12839020	6	0.828093
rs34342426	COX10	17	13920783	3	0.56973
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rs11650318	MGC51025	17	15585231	7	0.544758
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rs3813769	TRPV2	17	16259657	7	0.686109
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rs4792745	C17orf76	17	16287657	1	4.496996
rs4792745	C17orf76	17	16287657	8	0.268456
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rs10491106	ZNF287	17	16395636	3	1.045249
rs3813762	LOC644422	17	16461809	6	3.490971
rs9906261	ZNF624	17	16465654	6	4.784702
rs8065506	ZNF624	17	16468520	6	0.041096
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rs11078355	TNFRSF13B	17	16783637	4	0.025091
rs14003	LOC201164	17	17045439	3	0.928996
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rs14003	LOC201164	17	17045439	1	2.141698
rs9908205	LOC201164	17	17046340	3	0.462877
rs9908205	LOC201164	17	17046340	2	0.066702
rs9908205	LOC201164	17	17046340	1	0.216452
rs9908205	LOC201164	17	17046340	7	3.530674
rs4985749	LOC201164	17	17046407	7	1.248636
rs4985749	LOC201164	17	17046407	1	5.295955
rs4985749	LOC201164	17	17046407	3	0.037199
rs3803761	FLCN	17	17057137	7	2.760759
rs3803761	FLCN	17	17057137	1	4.892584
rs1736209	FLCN	17	17081210	1	0.318681
rs1736209	FLCN	17	17081210	5	0.85098
rs2240876	NT5M	17	17190884	3	1.638443
rs35590625	LOC644909	17	17267088	3	0.179836
rs35590625	LOC644909	17	17267088	5	0.441444
rs35590625	LOC644909	17	17267088	6	0.763501
rs1242489	MED9	17	17335336	5	1.588335
rs1242489	MED9	17	17335336	1	0.812951
rs1242489	MED9	17	17335336	8	1.960976
rs1242489	MED9	17	17335336	3	1.252666
rs711352	RASD1	17	17338543	2	1.730709
rs711352	RASD1	17	17338543	4	0.054151
SNP17-17637256	RAI1	17	17637256	7	8.627
SNP17-17637256	RAI1	17	17637256	4	5.408154
SNP17-17637256	RAI1	17	17637256	6	6.72255
rs4584886	LRRC48	17	17836930	3	0.741307
rs4584886	LRRC48	17	17836930	4	0.555
rs4584886	LRRC48	17	17836930	6	1.034499
SNP17-17848493	LRRC48	17	17848493	1	5.372146
rs33997182	ATPAF2	17	17862720	1	4.223751
rs2280777	MYO15A	17	17982232	2	0.642794
rs2280777	MYO15A	17	17982232	7	0.119184
rs2280777	MYO15A	17	17982232	1	0.188734
rs2280777	MYO15A	17	17982232	3	0.287272
rs854777	MYO15A	17	17987623	1	2.299532
rs854777	MYO15A	17	17987623	2	2.095009
rs854777	MYO15A	17	17987623	8	2.191937
rs2272571	MYO15A	17	17987914	5	1.705614
rs854772	MYO15A	17	17995954	1	1.368104
rs854772	MYO15A	17	17995954	2	2.227953
rs854772	MYO15A	17	17995954	5	1.397557
rs854772	MYO15A	17	17995954	6	1.294887
rs854772	MYO15A	17	17995954	8	1.854064
rs854772	MYO15A	17	17995954	7	1.924305
rs712270	MYO15A	17	17997892	3	1.810789
rs712272	MYO15A	17	17999246	1	0.286778
rs8077577	MYO15A	17	18005455	3	0.472265

rs8077577	MYO15A	17	18005455	8	0.240363
rs854800	MYO15A	17	18017900	1	1.850013
rs854800	MYO15A	17	18017900	4	0.813754
rs854800	MYO15A	17	18017900	8	2.626163
rs13284	ALKBH5	17	18052855	3	1.293737
rs13284	ALKBH5	17	18052855	8	0.022908
rs3088233	ALKBH5	17	18053400	3	0.799927
rs3088233	ALKBH5	17	18053400	8	4.617925
rs2605143	SMCR7	17	18108230	8	0.471365
SNP17-18108409	SMCR7	17	18108409	5	0.687146
rs3783	SHMT1	17	18172742	2	5.051488
rs3783	SHMT1	17	18172742	3	0.121022
rs3783	SHMT1	17	18172742	1	0.329302
rs2461838	LOC645023	17	18205989	3	0.787157
rs2461838	LOC645023	17	18205989	1	0.060163
rs2461838	LOC645023	17	18205989	2	0.704511
rs4924765	LOC729288	17	18525961	2	0.404681
rs4924765	LOC729288	17	18525961	1	3.580106
rs4924765	LOC729288	17	18525961	8	1.19452
rs4924765	LOC729288	17	18525961	3	2.721359
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SNP17-18593795	FBXW10	17	18593795	2	4.584997
rs4393623	PRPSAP2	17	18716625	3	0.703528
rs4393623	PRPSAP2	17	18716625	7	0.11198
rs4393623	PRPSAP2	17	18716625	5	0.415369
rs1044787	PRPSAP2	17	18775277	4	0.73125
rs1044787	PRPSAP2	17	18775277	7	0.896442
rs2472717	FAM83G	17	18820374	1	1.767777
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rs2472717	FAM83G	17	18820374	6	0.835266
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rs2472717	FAM83G	17	18820374	7	1.571285
rs2472715	SLC5A10	17	18820993	6	1.323808
rs2472715	SLC5A10	17	18820993	5	0.818632
rs2472715	SLC5A10	17	18820993	3	1.741217
rs2472715	SLC5A10	17	18820993	1	2.231201
rs2469860	FAM83G	17	18821386	3	0.383315
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rs2469860	FAM83G	17	18821386	5	0.442991
rs2469860	FAM83G	17	18821386	7	0.289399
rs2469860	FAM83G	17	18821386	1	0.576016
rs2074271	FAM83G	17	18822939	4	1.505361
rs1624825	SLC5A10	17	18864543	3	0.058281
rs2233072	MAPK7	17	19222421	6	1.677012

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rs1042183	ALDH3A1	17	19581913	8	0.319961
rs1042183	ALDH3A1	17	19581913	4	0.474427
rs1042183	ALDH3A1	17	19581913	6	1.279428
rs1042183	ALDH3A1	17	19581913	2	1.88078
rs2228100	ALDH3A1	17	19583544	3	0.543194
rs2228100	ALDH3A1	17	19583544	1	5.565546
rs2072327	LOC441784	17	19592074	1	0.313941
rs9898251	LOC441784	17	19599891	7	4.752755
rs9898251	LOC441784	17	19599891	6	4.202442
rs9898251	LOC441784	17	19599891	5	4.509213
rs115326	ULK2	17	19618341	1	6.91526
rs115326	ULK2	17	19618341	6	7.209334
rs150122	ULK2	17	19654332	1	1.815274
rs157397	ULK2	17	19670087	1	1.035641
rs2108978	AKAP10	17	19802050	6	2.7486
rs2108978	AKAP10	17	19802050	7	2.236842
rs3764436	SPECC1	17	19954394	5	0.040403
rs3764436	SPECC1	17	19954394	1	3.882634
rs9902683	LOC729404	17	19956020	1	4.85105
rs9902683	LOC729404	17	19956020	5	1.074538
rs2703806	SPECC1	17	20048831	7	0.091968
rs2703806	SPECC1	17	20048831	4	7.122042
rs2703806	SPECC1	17	20048831	6	0.340473
rs2703806	SPECC1	17	20048831	2	7.319666
rs2703806	SPECC1	17	20048831	1	0.268153
rs1815569	LOC729334	17	20581369	6	2.701084
rs8068101	LOC645294	17	20598390	1	7.105595
rs8068101	LOC645294	17	20598390	8	3.778179
rs8068101	LOC645294	17	20598390	3	6.448637
rs8068101	LOC645294	17	20598390	7	3.933955
rs8068101	LOC645294	17	20598390	6	3.907262
rs8073465	MGC87631	17	20739584	5	1.566487
rs11204329	USP22	17	20843295	6	0.805647
rs11204329	USP22	17	20843295	2	4.005354
rs11204329	USP22	17	20843295	7	0.336517
rs11541314	USP22	17	20846737	6	0.074747
rs11541314	USP22	17	20846737	1	4.750713
rs11541311	USP22	17	20851796	6	3.955504
rs11541311	USP22	17	20851796	8	5.874126
rs11541311	USP22	17	20851796	7	2.430861
rs12449311	MGC33894	17	21088113	1	0.02607
rs6587170	LOC645479	17	21437192	5	0.785171
rs35094692	LOC729550	17	22777629	7	0.199331
rs35094692	LOC729550	17	22777629	2	1.483224
rs35094692	LOC729550	17	22777629	1	1.701236
rs2945379	LOC729538	17	22877777	2	1.474269

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rs2945379	LOC729538	17	22877777	7	0.214793
rs2945379	LOC729538	17	22877777	6	0.472241
rs7222355	LOC729538	17	22878315	1	0.509851
rs7222355	LOC729538	17	22878315	7	0.962903
rs7222355	LOC729538	17	22878315	6	0.408751
rs7222355	LOC729538	17	22878315	4	3.192188
rs7222355	LOC729538	17	22878315	2	1.186336
rs3751093	LGALS9	17	22982431	3	0.649663
rs3751093	LGALS9	17	22982431	5	0.82744
rs3751093	LGALS9	17	22982431	6	0.56789
rs2297518	NOS2A	17	23120724	3	1.658799
rs2297518	NOS2A	17	23120724	4	1.906813
rs2297518	NOS2A	17	23120724	5	2.640682
rs35668234	NLK	17	23393462	3	0.380039
rs9897022	PYY2	17	23578902	5	0.131958
rs9897022	PYY2	17	23578902	6	0.156049
rs9897022	PYY2	17	23578902	4	1.306741
rs3093704	TNFAIP1	17	23697443	5	0.037231
rs3093704	TNFAIP1	17	23697443	7	0.774445
rs2277667	SEBOX	17	23716043	7	0.405781
rs2277667	SEBOX	17	23716043	5	0.575074
rs2227728	VTN	17	23718610	5	0.983473
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SNP17-23718988	VTN	17	23718988	1	0.196209
rs739439	SARM1	17	23747949	8	0.21047
rs739439	SARM1	17	23747949	4	3.138601
rs739439	SARM1	17	23747949	3	0.729623
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rs739439	SARM1	17	23747949	5	5.996466
rs739439	SARM1	17	23747949	7	1.763466
rs11568466	SLC13A2	17	23841664	1	0.806918
rs12449554	FOXN1	17	23881915	1	2.353045
rs12051648	SUPT6H	17	24033876	8	3.473009
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rs12051648	SUPT6H	17	24033876	7	1.352075
GA014112	SUPT6H	17	24038523	5	0.70631
rs3809797	NEK8	17	24089338	5	1.453323
rs2242345	ERAL1	17	24209953	5	0.313036
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rs2242345	ERAL1	17	24209953	7	0.454147
rs2242345	ERAL1	17	24209953	8	0.830714
rs4795475	PHF12	17	24263502	7	0.383317
rs12941884	SEZ6	17	24308569	7	0.613418



rs1976165	SEZ6	17	24310977	7	1.849013
rs1976165	SEZ6	17	24310977	3	0.596044
rs2320786	MYO18A	17	24446179	5	0.106473
rs2320786	MYO18A	17	24446179	3	0.00489
rs12601535	MYO18A	17	24465203	5	0.298527
rs12601535	MYO18A	17	24465203	3	1.043519
rs12601535	MYO18A	17	24465203	7	1.196434
rs12601535	MYO18A	17	24465203	2	5.292878
rs1047790	CRYBA1	17	24604882	5	0.718052
rs1047790	CRYBA1	17	24604882	7	0.968577
rs3785961	NUFIP2	17	24615451	7	0.129948
rs11657079	CORO6	17	24968215	7	0.953307
rs9897794	EFCAB5	17	25320453	7	0.982357
rs9897794	EFCAB5	17	25320453	5	0.652073
rs9897794	EFCAB5	17	25320453	2	2.611304
rs9897794	EFCAB5	17	25320453	3	1.408213
rs1042173	SLC6A4	17	25549137	3	0.721985
rs1042173	SLC6A4	17	25549137	5	0.697067
rs7342921	BLMH	17	25636574	8	0.377042
rs7342921	BLMH	17	25636574	2	4.480173
rs7342921	BLMH	17	25636574	3	2.341466
rs7342921	BLMH	17	25636574	5	6.939708
rs999797	ATAD5	17	26183455	5	0.259038
rs9910051	ATAD5	17	26185328	5	0.01071
rs3816780	ATAD5	17	26185484	5	0.092033
rs17826219	ATAD5	17	26185971	5	0.044202
rs3087591	EVI2B	17	26655096	5	4.823534
rs3087591	EVI2B	17	26655096	4	1.631993
rs3087591	EVI2B	17	26655096	1	4.264715
rs1992	RAB11FIP4	17	26883136	4	4.4558
rs2290436	RAB11FIP4	17	26883626	4	1.079066
rs4795615	RAB11FIP4	17	26884772	3	0.00973
rs4795615	RAB11FIP4	17	26884772	4	1.682629
rs4795615	RAB11FIP4	17	26884772	7	0.959766
rs1548470	RAB11FIP4	17	26886982	3	0.233769
rs1548471	RAB11FIP4	17	26887119	1	2.89473
rs1548471	RAB11FIP4	17	26887119	3	0.898892
rs1548471	RAB11FIP4	17	26887119	7	1.063551
rs1551356	RAB11FIP4	17	26888126	7	0.306147
rs1551356	RAB11FIP4	17	26888126	3	0.534514
GA032273	UTP6	17	27252769	1	6.510684
rs739455	MYO1D	17	27844963	1	4.619067
rs739455	MYO1D	17	27844963	6	3.877723
rs34727343	SPACA3	17	28346540	1	2.569226
rs28933	ACCN1	17	28364795	7	1.742528
rs28933	ACCN1	17	28364795	3	1.837716
rs28933	ACCN1	17	28364795	2	5.019427

rs28933	ACCN1	17	28364795	8	4.25703
rs28933	ACCN1	17	28364795	4	0.452484
rs7214382	ACCN1	17	28643858	7	0.546508
rs4795846	TLK2P1	17	29388835	8	6.000017
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rs3744516	TLK2P1	17	29390113	2	5.202023
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rs41274294	CCL11	17	29639284	3	2.359412
rs4795007	FLJ44815	17	29927412	3	3.082838
rs2230553	CCT6B	17	30293761	3	0.481293
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rs11658803	CCT6B	17	30310777	4	2.680227
SNP17-30312476	CCT6B	17	30312476	4	0.746157
SNP17-30312476	CCT6B	17	30312476	3	1.380381
SNP17-30312476	CCT6B	17	30312476	1	3.549257
SNP17-30312476	CCT6B	17	30312476	7	0.74429
rs3744355	CCDC16	17	30313159	4	0.491738
rs8249	CCDC16	17	30314050	3	0.108258
rs8249	CCDC16	17	30314050	4	0.539237
rs8249	CCDC16	17	30314050	7	0.251544
rs8249	CCDC16	17	30314050	1	3.442048
rs1871892	FNDC8	17	30472931	5	0.527597
rs1871892	FNDC8	17	30472931	8	0.43947
SNP17-30501355	UNC45B	17	30501355	6	1.841859
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rs3744365	UNC45B	17	30537704	8	1.075524
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rs1047268	SLFN11	17	30701608	1	0.724988
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rs7210421	SLFN13	17	30788845	5	0.090712
SNP17-30796109	SLFN13	17	30796109	6	0.075868
rs8065635	SLFN12L	17	30888820	3	0.01057
rs1001441	SLFN14	17	30900196	1	2.609894
rs321613	SLFN14	17	30905831	3	0.83865
rs10068	PEX12	17	30926078	1	0.190847
rs10068	PEX12	17	30926078	7	0.571268
rs10068	PEX12	17	30926078	8	1.109575
rs10068	PEX12	17	30926078	2	0.394823
rs2278950	PEX12	17	30929687	6	2.082492

rs17670584	AP2B1	17	31023017	1	0.495289
rs2240903	AP2B1	17	31076270	3	0.011689
rs2240902	RASL10B	17	31093691	3	1.323175
rs3744374	GAS2L2	17	31096668	7	0.035291
rs11654604	GAS2L2	17	31101345	8	0.568138
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rs2306630	C17orf66	17	31206454	3	1.107952
rs1065341	CCL5	17	31222706	5	0.812567
rs2072667	CCL23	17	31369075	3	0.458837
rs1063340	CCL3	17	31439876	3	0.362024
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rs2306590	MYO19	17	31928393	2	3.966389
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rs1106908	GGNBP2	17	32016708	1	0.68116
rs2306658	AATF	17	32380425	2	4.654458
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rs2229416	ACACA	17	32683979	3	0.113646
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rs1714987	C17orf78	17	32817123	3	0.405323
rs1714987	C17orf78	17	32817123	1	2.180092
rs7211875	TADA2L	17	32845581	7	1.266594
rs1051838	DUSP14	17	32944946	3	0.080201
rs1051838	DUSP14	17	32944946	7	0.122798
rs1051838	DUSP14	17	32944946	1	3.297161
rs3110623	AP1GBP1	17	32976338	5	0.994546
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rs3110623	AP1GBP1	17	32976338	1	5.872524
rs2688	HNF1B	17	33121044	5	0.023496
rs2688	HNF1B	17	33121044	3	0.600015
rs1058166	HNF1B	17	33121104	3	0.308655
rs2689	HNF1B	17	33121214	1	3.015559
rs9896972	LOC284100	17	33308019	7	3.787636
rs8075324	ARHGAP23	17	33876008	3	0.455708
rs8075324	ARHGAP23	17	33876008	1	0.039284
rs8075324	ARHGAP23	17	33876008	2	1.496379
rs8075324	ARHGAP23	17	33876008	7	1.280679
rs228290	PIP4K2B	17	34180293	4	3.522056
rs228290	PIP4K2B	17	34180293	6	0.400892
rs228290	PIP4K2B	17	34180293	8	0.298209
rs228290	PIP4K2B	17	34180293	5	1.240647
rs228290	PIP4K2B	17	34180293	3	0.210037
rs1130638	LASP1	17	34308298	4	1.142649
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rs1130638	LASP1	17	34308298	1	4.48748
rs12603439	PLXDC1	17	34473898	7	1.204165
rs12603439	PLXDC1	17	34473898	3	0.486747
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rs1053651	TCAP	17	35075837	3	0.533329
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SNP17-42569622	CDC27	17	42569622	3	5.022777
SNP17-42569622	CDC27	17	42569622	2	4.565713
rs5918	ITGB3	17	42715729	7	3.452383
rs5918	ITGB3	17	42715729	6	1.749655
rs16941864	ITGB3	17	42743240	7	1.931583
rs2317676	ITGB3	17	42743282	7	0.55131
rs2317676	ITGB3	17	42743282	2	0.810787
rs3809865	ITGB3	17	42743585	1	5.272098
rs3809865	ITGB3	17	42743585	7	1.782874
rs3809865	ITGB3	17	42743585	4	0.639451
rs3809865	ITGB3	17	42743585	6	0.4529
rs4968318	C17orf57	17	42806893	4	0.509582
rs4968318	C17orf57	17	42806893	8	1.98744
rs4968318	C17orf57	17	42806893	7	0.305262
rs4968318	C17orf57	17	42806893	1	5.103702
rs4968318	C17orf57	17	42806893	6	1.492664
rs3883318	C17orf57	17	42845250	3	0.76499
rs6503807	TBKBP1	17	43127931	3	1.775359
SNP17-43141620	TBKBP1	17	43141620	2	1.505492
SNP17-43141620	TBKBP1	17	43141620	1	0.229205
SNP17-43141620	TBKBP1	17	43141620	3	1.009893
rs9907142	OSBPL7	17	43240686	2	5.669433
rs2301690	OSBPL7	17	43245706	6	0.328245
rs2301690	OSBPL7	17	43245706	2	0.881133
rs2301690	OSBPL7	17	43245706	3	0.135997
rs2301690	OSBPL7	17	43245706	1	0.374758
rs17700839	OSBPL7	17	43254056	1	0.705216
rs17700839	OSBPL7	17	43254056	6	0.287027
rs17700839	OSBPL7	17	43254056	2	0.501894
rs17700839	OSBPL7	17	43254056	3	0.006224
rs16948568	MRPL10	17	43259419	1	0.51927
rs16948568	MRPL10	17	43259419	3	0.759362
rs16948568	MRPL10	17	43259419	6	0.219507
rs2277693	LRRC46	17	43264182	1	0.664745
rs2277693	LRRC46	17	43264182	6	3.439945
rs2277693	LRRC46	17	43264182	3	0.000617
rs2277693	LRRC46	17	43264182	2	3.02048
rs10428	SCRN2	17	43270085	7	0.181483

rs16948835	SP6	17	43288164	4	1.319637
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SNP17-43355405	SP2	17	43355405	7	0.0207
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rs11079804	PNPO	17	43375697	2	5.541673
rs12936731	NFE2L1	17	43483358	8	7.733629
rs12936731	NFE2L1	17	43483358	6	0.14606
GA014554	NFE2L1	17	43492904	6	11.63232
rs4794453	SNX11	17	43539925	6	1.122144
rs4794453	SNX11	17	43539925	8	1.01588
rs7222136	SNX11	17	43554591	8	6.617226
rs7222136	SNX11	17	43554591	6	8.475531
rs2278868	SKAP1	17	43617170	8	0.407138
rs2278868	SKAP1	17	43617170	7	5.290208
rs12939811	HOXB1	17	43962957	7	0.416339
rs7406910	HOXB7	17	44043255	4	1.589092
rs1054072	PRAC	17	44154811	1	1.895998
rs1054072	PRAC	17	44154811	3	0.383674
rs1054072	PRAC	17	44154811	6	2.248726
rs8556	HOXB13	17	44160589	7	0.052863
rs2271890	TTLL6	17	44194911	3	0.211942
rs1422645	CALCOCO2	17	44294657	1	4.736338
rs1422645	CALCOCO2	17	44294657	3	0.315209
rs11434	CALCOCO2	17	44296244	3	0.009293
rs2270576	SNF8	17	44362962	1	5.525173
rs2270576	SNF8	17	44362962	3	0.641018
rs3744085	IGF2BP1	17	44486900	4	4.709804
rs3744085	IGF2BP1	17	44486900	7	0.245414
rs6504593	IGF2BP1	17	44487818	7	0.06351
rs596783	FLJ40194	17	44684704	7	2.42691
rs596783	FLJ40194	17	44684704	5	1.40127
rs596783	FLJ40194	17	44684704	4	2.091037
rs2906100	ZNF652	17	44727763	7	0.665611
rs11079869	ZNF652	17	44728416	5	0.674386
rs11079869	ZNF652	17	44728416	4	0.048665
rs11079869	ZNF652	17	44728416	7	0.443078
rs11466155	NGFR	17	44942999	6	0.465918
rs741072	NGFR	17	44946702	2	3.302836
rs741072	NGFR	17	44946702	1	1.207908
rs741072	NGFR	17	44946702	8	5.844885
rs741072	NGFR	17	44946702	4	0.036138
rs11466173	NGFR	17	44947200	6	0.833556
rs2676793	NXP3	17	45012187	6	2.826261
rs2676793	NXP3	17	45012187	4	2.311853
rs2676793	NXP3	17	45012187	2	1.619241
rs2676793	NXP3	17	45012187	5	2.5088
rs8186	SLC35B1	17	45133792	6	3.320365

rs1135034	SLC35B1	17	45138662	3	0.131493
rs1135034	SLC35B1	17	45138662	8	6.827728
rs1058564	DLX4	17	45406771	4	7.722125
rs1058564	DLX4	17	45406771	3	0.858721
rs1058564	DLX4	17	45406771	7	2.985608
rs1058564	DLX4	17	45406771	1	4.93739
rs2278163	DLX3	17	45427425	1	1.43593
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rs2278163	DLX3	17	45427425	2	1.396114
SNP17-45510424	ITGA3	17	45510424	7	1.566735
rs3744538	ITGA3	17	45521979	7	0.224975
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rs3178055	PDK2	17	45529907	2	4.638909
rs3178055	PDK2	17	45529907	5	0.258685
rs1800215	COL1A1	17	45620494	8	2.513106
rs1969513	TMEM92	17	45712299	4	1.189058
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rs2272380	TMEM92	17	45713446	8	4.79407
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SNP17-45788305	XYLT2	17	45788305	1	5.687908
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rs6504649	XYLT2	17	45792455	7	1.159729
rs6504649	XYLT2	17	45792455	4	1.615645
rs6504649	XYLT2	17	45792455	2	4.84678
rs6504649	XYLT2	17	45792455	8	6.677778
rs7212696	MRPL27	17	45801906	1	5.178028
rs4793651	MRPL27	17	45802124	4	0.353579
rs4793651	MRPL27	17	45802124	1	4.23726
rs4793651	MRPL27	17	45802124	8	4.585001
rs16948970	MRPL27	17	45805535	1	3.286819
SNP17-45807775	EME1	17	45807775	6	2.092723
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rs2189712	EME1	17	45810984	4	0.677229
rs2189712	EME1	17	45810984	7	0.522925
rs2189712	EME1	17	45810984	1	6.068887
rs2189712	EME1	17	45810984	8	0.130037
rs17714940	EME1	17	45811250	1	5.472209
rs2305998	ACSF2	17	45904790	4	0.852014
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rs2305998	ACSF2	17	45904790	6	0.473974
rs7627	ACSF2	17	45907153	6	2.518203
rs2290862	RSAD1	17	45912325	1	0.501
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rs2290862	RSAD1	17	45912325	4	0.374057
rs3744531	RSAD1	17	45918171	1	4.05035
rs557	RSAD1	17	45918233	6	0.943166

rs557	RSAD1	17	45918233	1	4.941356
rs9890721	MYCBPAP	17	45958502	3	1.09982
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rs9890721	MYCBPAP	17	45958502	2	2.930337
rs9890721	MYCBPAP	17	45958502	4	1.630976
rs1064055	MYCBPAP	17	45963716	5	0.165303
rs4148416	ABCC3	17	46108422	1	3.429284
rs11568591	ABCC3	17	46116052	7	0.263219
rs2302285	SPAG9	17	46432038	5	0.068462
rs7222463	MBTD1	17	46624365	3	0.201046
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rs2318789	UTP18	17	46705801	1	1.065937
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rs2318789	UTP18	17	46705801	6	2.158707
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rs244300	STXBP4	17	50594239	1	5.63907
rs244300	STXBP4	17	50594239	4	0.731597
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rs244298	STXBP4	17	50596386	6	3.585649
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rs244298	STXBP4	17	50596386	4	0.202735
rs957724	ANKFN1	17	51805037	3	0.203644
rs957724	ANKFN1	17	51805037	7	0.219412
rs957724	ANKFN1	17	51805037	1	3.118708
rs8069322	ANKFN1	17	51805133	1	3.195054
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rs9897759	DGKE	17	52295915	8	0.476725
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rs9897759	DGKE	17	52295915	7	0.892287
rs3213728	RNF126P1	17	52478747	5	0.019724
rs3213728	RNF126P1	17	52478747	4	0.283701
rs3213728	RNF126P1	17	52478747	7	0.444637
rs1468753	LOC729417	17	52517324	6	7.250982
rs17761023	AKAP1	17	52537877	5	0.075092
rs17762338	CUEDC1	17	53306036	3	0.071059
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rs16942650	LOC729460	17	53517798	6	0.982428
rs16942650	LOC729460	17	53517798	7	1.132178
rs16942650	LOC729460	17	53517798	8	1.607573
rs9912728	OR4D2	17	53602453	1	0.998018
rs9894859	OR4D2	17	53603471	5	1.938232

rs12602891	EPX	17	53625120	5	0.202915
rs2240815	EPX	17	53627389	3	2.714604
rs2301870	LPO	17	53687326	3	0.761577
rs2759	MPO	17	53703105	1	1.7733
rs2680689	BZRAP1	17	53741117	3	2.070964
rs9905604	BZRAP1	17	53744630	6	6.361344
rs2070107	SUPT4H1	17	53778200	7	0.808444
rs2680701	RNF43	17	53793300	3	2.597507
rs3803752	HSF5	17	53895266	5	0.053581
rs3744108	MTMR4	17	53940871	7	9.357398
rs17822735	C17orf47	17	53975166	7	1.009966
rs6503867	C17orf47	17	53976358	3	0.753211
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rs7225128	TEX14	17	53991853	5	0.688966
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rs7225128	TEX14	17	53991853	3	1.421737
rs9903050	TEX14	17	53991907	3	0.980126
rs34818467	TEX14	17	53998108	5	1.001641
rs3809724	PPM1E	17	54416020	5	0.513426
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rs3809723	PPM1E	17	54416760	8	3.058869
rs6503905	C17orf71	17	54642236	7	0.553947
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rs10853012	YPEL2	17	54833058	4	0.235745
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rs11871637	C17orf82	17	56845017	8	0.147297
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rs11871637	C17orf82	17	56845017	7	0.745895
rs3744447	TBX4	17	56889769	7	0.133471
rs3744438	TBX4	17	56912382	3	0.561568
rs7218485	TBX4	17	56915245	3	0.144719
rs7213430	BRIP1	17	57114956	1	5.436913
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rs4986763	BRIP1	17	57115778	7	0.061877
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rs12325728	LOC645804	17	57679230	1	3.073544
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rs8078132	TLK2	17	58037235	3	0.888982
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rs2014055	MRC2	17	58095649	3	0.731636
rs2041283	10-Mar	17	58167359	2	1.703437
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rs4298	ACE	17	58910932	7	12.20508
rs4298	ACE	17	58910932	6	6.381345
rs4316	ACE	17	58916041	1	0.484325
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rs4343	ACE	17	58919763	1	3.756113
rs4343	ACE	17	58919763	5	5.09827
rs4343	ACE	17	58919763	6	1.08508
rs4343	ACE	17	58919763	4	0.857161
rs7225568	KCNH6	17	58965155	6	0.610156
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rs968719	PSMC5	17	59262003	8	4.938644
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rs6919	SMARCD2	17	59263217	2	6.107662
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rs7921	CD79B	17	59359991	4	0.01
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rs1051688	CD79B	17	59360165	6	5.308241
rs1051688	CD79B	17	59360165	7	2.679382
rs1051684	CD79B	17	59360229	6	2.78072
rs1051684	CD79B	17	59360229	7	0.227938
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rs2058194	SCN4A	17	59374080	7	1.399753
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rs6504191	SCN4A	17	59394800	5	1.985502
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rs196912	ERN1	17	59475212	5	5.91878
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rs196912	ERN1	17	59475212	4	0.570743
rs6808	PECAM1	17	59754307	6	0.870316
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rs6808	PECAM1	17	59754307	5	0.3657
rs2812	PECAM1	17	59754850	1	5.032723
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rs2812	PECAM1	17	59754850	5	3.865531
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rs2812	PECAM1	17	59754850	4	0.018546
rs1131012	PECAM1	17	59781521	5	0.055505
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rs9303474	SMURF2	17	59971771	2	4.126727
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rs7591	AXIN2	17	60955544	5	0.624908
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rs7591	AXIN2	17	60955544	3	0.040715
rs7591	AXIN2	17	60955544	4	2.251054
rs2240308	AXIN2	17	60985053	3	0.602818
rs8178822	APOH	17	61655991	3	1.636571
rs7220996	PRKCA	17	62235162	4	2.831062
rs11652480	CACNG5	17	62304014	7	1.083325
rs2286678	CACNG5	17	62311537	3	0.472843
rs11649752	CACNG4	17	62457348	1	5.019163
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rs11649752	CACNG4	17	62457348	5	0.539951
rs11649752	CACNG4	17	62457348	3	1.619246
rs1799938	CACNG1	17	62482766	3	0.065905
rs2684	CACNG1	17	62483067	3	0.062649
rs8080100	HELZ	17	62642504	4	0.398188
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rs11079691	PSMD12	17	62793014	6	3.13679
rs11079691	PSMD12	17	62793014	1	4.168725
rs11079691	PSMD12	17	62793014	7	1.612618
rs8866	LOC729822	17	62804441	1	5.149526
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rs2291284	NOL11	17	63147987	6	0.452859
rs12945591	LOC727804	17	63714376	7	2.572572
rs12945591	LOC727804	17	63714376	2	3.037448
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rs3760274	LOC727804	17	63714674	5	1.380333
rs3760274	LOC727804	17	63714674	3	0.121909

rs3760274	LOC727804	17	63714674	1	0.962008
rs3760274	LOC727804	17	63714674	2	1.149019
rs3764855	AMZ2	17	63756173	8	6.435171
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rs3764855	AMZ2	17	63756173	1	0.435586
rs3213690	AMZ2	17	63758011	1	0.576756
rs3213690	AMZ2	17	63758011	2	0.620979
rs3744307	SLC16A6	17	63779245	8	0.936794
rs3744307	SLC16A6	17	63779245	3	1.160571
rs35397826	SLC16A6	17	63781677	8	0.067844
rs35397826	SLC16A6	17	63781677	3	1.627982
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rs1558877	ARSG	17	63876344	6	0.27483
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rs3751956	CBX2	17	75373079	2	1.262163
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rs2304854	CCDC40	17	75688157	2	0.797567
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rs4889990	CARD14	17	75772590	2	0.16859
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rs4890026	NPTX1	17	76060297	5	0.30963
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rs1567962	KIAA1303	17	76534153	3	0.043384
rs1567962	KIAA1303	17	76534153	6	0.40984
rs4969391	BAIAP2	17	76704185	4	0.189575
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rs12949063	BAIAP2	17	76704933	1	1.273733

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rs6565616	TSPAN10	17	77222566	7	1.253062
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rs3826628	COLEC12	18	336821	3	0.379084
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rs1431390	ARHGAP28	18	6902332	8	0.70115
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rs4398174	ARHGAP28	18	6903378	4	1.358534
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rs4486988	ARHGAP28	18	6903420	8	0.243108
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rs11661974	LAMA1	18	6973194	3	0.545213
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rs12458258	LOC728211	18	12066365	6	4.326846
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rs1986751	DKFZp779B1634	18	12086249	3	5.509267
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rs6505715	DKFZp779B1634	18	12089654	3	0.554795
rs4519391	DKFZp779B1634	18	12105509	4	2.742965
rs4519391	DKFZp779B1634	18	12105509	3	0.293573
rs7244929	CIDEA	18	12267358	3	0.001458
rs7244929	CIDEA	18	12267358	2	5.400581
rs7244929	CIDEA	18	12267358	6	6.430032
rs4797701	CEP76	18	12692610	7	0.653274
rs4797701	CEP76	18	12692610	6	0.20645
rs4797701	CEP76	18	12692610	5	0.185055
rs4797701	CEP76	18	12692610	8	0.988158
rs2282542	CEP192	18	13046682	7	0.009906
rs7228940	CEP192	18	13058109	7	0.322836
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rs9965848	LOC729713	18	13251896	5	1.261359
rs9965848	LOC729713	18	13251896	3	1.181388
rs9965848	LOC729713	18	13251896	7	1.417114
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rs1284441	C18orf1	18	13602072	1	3.479814
rs1284441	C18orf1	18	13602072	5	0.735163
rs11659762	RNMT	18	13750954	8	3.647136
rs11659762	RNMT	18	13750954	7	5.402451



rs9303806	LOC390834	18	14382456	6	2.454393
rs11872553	LOC729888	18	17574821	7	0.10374
rs11872553	LOC729888	18	17574821	1	0.005207
rs7449	MIB1	18	17700991	3	0.155762
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rs1805081	NPC1	18	19394430	5	0.068313
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rs1652364	ANKRD29	18	19434361	2	3.114889
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rs35756007	LAMA3	18	19671024	4	0.199903
rs1154226	LAMA3	18	19735231	5	0.590306
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rs1154232	LAMA3	18	19765032	3	0.695743
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rs1131521	LAMA3	18	19767766	5	4.177268
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rs1421126	HRH4	18	20311736	5	1.118417
rs12457139	LOC390843	18	20356499	7	2.064759
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rs2069310	PSMA8	18	22026571	3	0.105612
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rs2438413	LOC728599	18	22434687	6	4.542129
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rs8096168	hCG_38480	18	22523384	5	0.434976
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rs1058427	AQP4	18	22689093	4	0.328371
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rs335929	AQP4	18	22689585	1	0.255271
rs162008	AQP4	18	22699690	1	0.994958
rs163057	C18orf16	18	22768586	5	0.290088
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rs16942974	C18orf16	18	22768781	1	2.352819
rs11564422	CDH2	18	23786078	3	0.96119
rs17656284	DSC3	18	26827165	5	1.192642
rs7244822	DSC1	18	26964020	3	0.888249
rs985862	DSC1	18	26964430	3	0.075061
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rs36081634	DSC1	18	26976131	1	1.193379
rs2249810	DSC1	18	26988747	8	0.129331
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rs1426310	DSG1	18	27152292	5	0.551676
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rs8091117	DSG1	18	27173792	8	3.555961
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rs16959856	DSG4	18	27222369	2	2.603053
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rs9956865	DSG4	18	27222957	8	1.904417
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rs9956865	DSG4	18	27222957	3	0.475088
rs4799570	DSG4	18	27240331	7	0.164774
rs4799570	DSG4	18	27240331	3	1.135146
rs2278792	DSG2	18	27376797	5	0.521449
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rs17662563	RNF125	18	27852807	7	0.614538
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rs616114	MEP1B	18	28051919	4	0.004025
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rs2282632	ASXL3	18	29574227	4	3.19408
rs7243541	ASXL3	18	29581294	6	0.247283
rs3810021	MAPRE2	18	30975076	7	1.170949
rs1050377	MAPRE2	18	30975400	7	0.216121
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rs10502647	ZNF396	18	31201178	6	0.759949
rs2298716	C18orf21	18	31806596	3	0.396001
rs2298716	C18orf21	18	31806596	8	3.514089
rs2298716	C18orf21	18	31806596	5	0.502869
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rs3744900	MOCOS	18	32033703	7	0.258079
rs2017027	KIAA1328	18	33059192	7	1.582886
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SNP18-33104844	BRUNOL4	18	33104844	5	0.854318
rs1804730	RIT2	18	38577495	3	1.200162
rs11082414	SETBP1	18	40783994	7	0.422009
rs1064204	SETBP1	18	40786691	1	4.952072
rs2156609	SLC14A2	18	41500999	4	0.427335

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rs2156609	SLC14A2	18	41500999	6	0.379121
rs2156609	SLC14A2	18	41500999	7	0.269841
rs3745009	SLC14A2	18	41516357	7	1.879758
rs3745009	SLC14A2	18	41516357	5	0.610503
rs3745009	SLC14A2	18	41516357	4	0.700696
rs2298718	SLC14A1	18	41570536	1	1.318574
rs1058396	SLC14A1	18	41573517	1	3.328363
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rs500899	SIGLEC15	18	41676278	3	1.609804
rs1055066	KIAA1632	18	41681621	3	0.890532
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rs1055066	KIAA1632	18	41681621	4	0.488297
rs507653	KIAA1632	18	41686290	3	0.062752
rs507653	KIAA1632	18	41686290	4	3.782138
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rs7229227	PSTPIP2	18	41818294	1	5.647152
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rs12968582	RNF165	18	42292555	1	2.174995
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rs17766830	RNF165	18	42294658	7	5.823904
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rs17766830	RNF165	18	42294658	3	1.152075
rs12606417	LOXHD1	18	42358435	5	1.632163
rs674948	LOXHD1	18	42435594	2	1.427044
rs7233515	KATNAL2	18	42839953	5	0.999603
rs7233515	KATNAL2	18	42839953	2	4.235729
rs2289130	KATNAL2	18	42880628	4	0.841361
rs2289130	KATNAL2	18	42880628	5	3.350734
rs2277712	KIAA0427	18	44417047	4	0.013562
rs2276170	MYO5B	18	45623756	3	0.928003
rs1942418	MYO5B	18	45637241	2	5.65479
rs1942418	MYO5B	18	45637241	3	0.138899
SNP18-45820645	MYO5B	18	45820645	6	1.165625

SNP18-45820645	MYO5B	18	45820645	4	0.819223
SNP18-45820645	MYO5B	18	45820645	5	0.357828
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rs11663953	C18orf24	18	46155469	8	1.906583
rs6507992	C18orf24	18	46162554	8	5.189403
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rs6507992	C18orf24	18	46162554	7	0.944106
rs6507992	C18orf24	18	46162554	5	0.159971
rs6507992	C18orf24	18	46162554	3	1.062387
rs10460085	C18orf24	18	46172637	6	3.369437
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rs10460085	C18orf24	18	46172637	7	0.782177
rs10460085	C18orf24	18	46172637	3	1.515775
rs10460085	C18orf24	18	46172637	1	1.077456
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rs2586776	MRO	18	46585522	5	0.765549
rs2849233	MRO	18	46585551	4	0.763575
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rs1259938	MBD2	18	49934755	7	0.760237
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rs3753054	C18orf54	18	50158839	2	4.882534
rs1061830	C18orf54	18	50162065	2	3.37545
rs9947055	C18orf26	18	50416306	5	0.990187
rs9947055	C18orf26	18	50416306	1	1.476826
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rs1944362	CCDC68	18	50721343	1	1.071842
rs1944362	CCDC68	18	50721343	5	1.186707
rs4801109	CCDC68	18	50722432	6	0.594024

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rs1017253	FLJ45743	18	51843614	1	3.692426
rs12606608	FLJ45743	18	52006549	3	2.942596
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rs681176	TXNL1	18	52456755	4	0.295664
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rs681176	TXNL1	18	52456755	2	0.189204
rs2302845	WDR7	18	52599776	4	0.607664
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rs3745072	ONECUT2	18	53295033	3	0.286674
rs3745071	ONECUT2	18	53295043	3	0.903129
rs13016	ALPK2	18	54299761	3	1.536842
rs3809983	ALPK2	18	54353748	8	0.624539
rs3809982	ALPK2	18	54354054	8	0.017922
rs3809977	ALPK2	18	54354878	7	0.701448
SNP18-54398580	ALPK2	18	54398580	1	2.023812
SNP18-54518803	MALT1	18	54518803	4	0.728489
SNP18-55091287	RAX	18	55091287	1	2.285005
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rs7243416	CPLX4	18	55114252	2	3.074495
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rs4940456	CPLX4	18	55114722	2	0.527403
rs4940456	CPLX4	18	55114722	1	1.151171
rs9954602	CCBE1	18	55253306	6	1.86007
rs1893515	LOC728115	18	55835408	3	3.103731
rs12955810	hCG_1659830	18	56613006	3	0.329221
rs12964819	CDH20	18	57317521	4	0.680332
rs12964819	CDH20	18	57317521	5	2.185072
rs12964819	CDH20	18	57317521	2	1.515647
rs4362478	RNF152	18	57634290	3	0.509064
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rs13381627	PIGN	18	57932780	1	1.806295
rs13381627	PIGN	18	57932780	3	0.679551
rs34227891	PIGN	18	57961543	3	0.583465
rs34227891	PIGN	18	57961543	6	0.360192
rs34227891	PIGN	18	57961543	4	1.022357
rs34227891	PIGN	18	57961543	1	4.686385
rs35211496	TNFRSF11A	18	58172741	4	0.690416
rs35211496	TNFRSF11A	18	58172741	3	0.466346
rs35211496	TNFRSF11A	18	58172741	2	0.417803
rs35211496	TNFRSF11A	18	58172741	7	0.274328
rs35211496	TNFRSF11A	18	58172741	1	0.648418

rs1805034	TNFRSF11A	18	58178221	8	4.916459
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rs1805034	TNFRSF11A	18	58178221	7	0.407673
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rs1805034	TNFRSF11A	18	58178221	4	0.219611
rs1805034	TNFRSF11A	18	58178221	6	2.273957
rs8092336	TNFRSF11A	18	58187063	8	1.998439
rs12956093	ZCCHC2	18	58382831	3	0.66134
rs624821	PHLPP	18	58713278	3	0.649619
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rs4987855	BCL2	18	58944529	8	1.658637
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rs4987853	BCL2	18	58944635	4	0.702885
rs4987852	BCL2	18	58944901	4	1.091603
rs4987851	BCL2	18	58945239	7	1.214039
rs1564483	BCL2	18	58945634	3	0.302489
rs1564483	BCL2	18	58945634	5	1.131265
rs1016860	BCL2	18	58946054	5	0.136484
rs1016860	BCL2	18	58946054	4	0.304482
rs4987845	BCL2	18	58946168	8	4.725687
rs4987843	BCL2	18	58946521	5	3.710776
rs4987843	BCL2	18	58946521	4	0.532728
rs1801018	BCL2	18	59136859	5	0.637035
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rs1801018	BCL2	18	59136859	3	0.839529
rs1801018	BCL2	18	59136859	6	4.009504
rs1395266	SERPINB11	18	59541312	7	1.04861
rs953695	SERPINB11	18	59541550	7	0.561848
rs17781440	SERPINB7	18	59593890	5	0.034313
rs17781440	SERPINB7	18	59593890	7	0.863552
rs6098	SERPINB2	18	59715374	7	0.642627
rs6098	SERPINB2	18	59715374	5	1.423592
rs6102	SERPINB2	18	59721450	7	0.194159
rs6103	SERPINB2	18	59721483	7	0.675271
rs6103	SERPINB2	18	59721483	5	0.957242
rs6104	SERPINB2	18	59721509	5	0.992158
rs6104	SERPINB2	18	59721509	7	0.166226
rs8097425	SERPINB10	18	59733847	5	1.586586
rs8097425	SERPINB10	18	59733847	7	1.103889
rs922210	C18orf20	18	59967166	5	0.902196
rs922210	C18orf20	18	59967166	3	0.381531
rs922210	C18orf20	18	59967166	7	0.353428
SNP18-62362231	CDH19	18	62362231	1	4.108923
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rs7227616	DSEL	18	63325804	1	0.345954
rs11151371	DSEL	18	63326628	8	6.521955

rs17077389	DSEL	18	63326692	6	0.158833
rs2187094	CCDC102B	18	64664595	1	2.394446
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rs727088	CD226	18	65681419	1	0.335111
rs763361	CD226	18	65682622	1	0.150095
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rs3911730	RTTN	18	66022323	7	0.207961
rs2231562	SOCS6	18	66143259	3	7.97497
rs7238987	CYB5A	18	70079130	8	0.574175
rs2278156	C18orf51	18	70254113	5	0.095557
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rs1046406	C18orf51	18	70254177	6	2.164807
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rs2278155	C18orf51	18	70254626	8	3.992198
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rs3764509	CNDP2	18	70318104	2	4.854691
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rs11151964	CNDP1	18	70352898	3	0.520195
rs12960862	CNDP1	18	70385615	6	0.767559
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rs2887	CNDP1	18	70403117	4	1.18855
rs2887	CNDP1	18	70403117	3	0.245778
rs632157	ZADH2	18	71040536	3	0.037821
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rs3744908	TSHZ1	18	71126992	6	7.283036
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rs11660753	C18orf62	18	71251586	1	0.706297



rs17059302	ZNF516	18	72220706	8	0.398116
rs3813102	FLJ44313	18	72336563	8	2.038264
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rs470403	ZNF236	18	72800756	1	0.422653
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rs17026	MBP	18	72819967	2	4.491949
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rs9199	MBP	18	72821324	2	2.6917
rs2282557	MBP	18	72854154	6	5.2851
rs470871	MBP	18	72854336	5	0.446184
rs7236968	MBP	18	72856491	6	4.628196
rs5374	GALR1	18	73091633	3	0.353035
rs11664381	ATP9B	18	75168171	8	0.624672
rs35099556	NFATC1	18	75328542	6	3.362105
rs599554	CTDP1	18	75574074	1	3.27865
rs2279103	CTDP1	18	75574115	1	4.666087
rs1134231	LOC440498	18	75831795	3	0.961441
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rs3744878	ADNP2	18	75996183	4	0.972277
rs10407115	PPAP2C	19	233753	5	1.225708
rs3764656	THEG	19	313283	3	0.267084
rs10422863	THEG	19	318089	1	2.752152
rs2241407	FAM148C	19	356929	8	0.882055
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rs1052882	C19orf19	19	414528	2	0.280551
rs1052882	C19orf19	19	414528	3	0.070321
rs1052882	C19orf19	19	414528	7	0.834916
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rs28989772	BSG	19	522397	1	5.46075
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rs6758	BSG	19	534460	2	4.596658
rs1054786	HCN2	19	564898	6	0.395622
rs1054786	HCN2	19	564898	8	4.287092

rs7249518	FLJ45684	19	597900	5	0.687015
rs2074460	FLJ45684	19	598039	7	0.807831
rs2074460	FLJ45684	19	598039	4	0.055898
rs757331	FLJ45684	19	598251	5	2.030537
rs2285751	RNF126	19	602852	8	5.461548
rs13730	FSTL3	19	633010	1	5.249817
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rs4375794	PRSSL1	19	642909	1	0.44327
rs1050457	PALM	19	682144	3	0.055535
rs1050457	PALM	19	682144	7	0.361205
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rs595844	AZU1	19	781854	7	0.343267
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rs351111	PRTN3	19	795020	3	1.308582
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rs2240154	GRIN3B	19	954172	2	1.917151
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rs4806908	GRIN3B	19	955823	5	1.710197
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rs12973948	GRIN3B	19	956531	6	0.282128
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SNP19-960585	GRIN3B	19	960585	1	3.650256
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rs4807440	CNN2	19	977477	1	2.630785
rs3752232	ABCA7	19	994748	4	3.180159
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SNP19-996173	ABCA7	19	996173	4	0.146737
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rs3764652	ABCA7	19	1003005	2	0.153656
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rs3745842	ABCA7	19	1006191	2	0.039307
rs3745842	ABCA7	19	1006191	3	0.244668
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rs3752246	ABCA7	19	1007492	5	0.647318
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rs2074442	HMHA1	19	1025000	5	0.025389

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rs10404947	HMHA1	19	1032617	5	0.14421
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rs2074915	SBNO2	19	1078615	8	0.798638
rs2074915	SBNO2	19	1078615	3	0.123471
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rs12975875	C19orf23	19	1219178	6	4.617178
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rs12975875	C19orf23	19	1219178	3	1.04538
rs757292	C19orf24	19	1228275	3	0.172901
rs757292	C19orf24	19	1228275	2	4.032225
rs757292	C19orf24	19	1228275	7	0.78209
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rs713042	MUM1	19	1308082	3	0.168058
rs12608765	MUM1	19	1321675	4	1.585683
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rs12608765	MUM1	19	1321675	2	3.899923
rs12608765	MUM1	19	1321675	1	0.407122
rs7251165	RPS15	19	1389865	6	1.26927
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rs265278	APC2	19	1420030	1	3.272485
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rs2256653	LOC126520	19	1477539	3	1.68457
rs12462146	LOC126520	19	1486291	3	2.362917
SNP19-1570350	TCF3	19	1570350	3	0.380894
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rs1054597	ATP8B3	19	1733189	5	0.300986
rs1054597	ATP8B3	19	1733189	2	6.146169
rs3764605	ATP8B3	19	1735890	5	0.4347
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rs3764606	ATP8B3	19	1735944	5	4.443202
rs3764606	ATP8B3	19	1735944	2	4.439507
rs8100856	ATP8B3	19	1747166	5	0.474694
rs45574836	ATP8B3	19	1757667	1	0.015432
rs12609187	ATP8B3	19	1762547	7	0.86031
rs12609187	ATP8B3	19	1762547	6	1.02346

rs2396359	REXO1	19	1770125	4	2.473448
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rs3746043	KLF16	19	1804667	8	0.499009
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rs12974606	SCAMP4	19	1856405	1	1.257526
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rs12974606	SCAMP4	19	1856405	7	0.552863
rs11669357	C19orf34	19	1903586	7	0.347094
rs2396366	C19orf34	19	1903841	1	2.599926
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rs1610045	BTBD2	19	1948363	7	0.822404
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rs4476281	MOBKL2A	19	2023599	5	0.409757
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rs20567	AP3D1	19	2061746	5	8.38491
rs2523178	C19orf35	19	2226079	5	0.119959
rs3848635	TMPRSS9	19	2361332	1	2.718458
rs8112518	GNG7	19	2463151	5	7.062185
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rs7258864	GNG7	19	2463606	3	0.237746
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rs917414	GNG7	19	2465360	6	0.079011
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rs917415	GNG7	19	2465373	5	0.131805
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rs3752174	GNG7	19	2465565	3	1.106053
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rs17755118	GNG7	19	2465732	6	0.056101
rs3764584	GNG7	19	2471716	3	0.701385
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rs8737	DIRAS1	19	2665720	1	2.841337
rs8737	DIRAS1	19	2665720	5	0.26933

rs8737	DIRAS1	19	2665720	8	1.519039
rs3745812	DIRAS1	19	2668256	8	0.859295
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rs35301697	THOP1	19	2741618	5	5.441979
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rs17681742	TLE6	19	2928599	5	1.959823
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rs17681742	TLE6	19	2928599	7	1.147739
rs3746072	EDG6	19	3130884	6	0.608552
rs312071	NCLN	19	3159418	8	0.301116
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rs312072	NCLN	19	3159430	3	0.751412
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rs10155	FZR1	19	3485842	4	0.968292
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rs7248746	FZR1	19	3489090	2	4.157412
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rs17348907	GIPC3	19	3541334	6	0.144337
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rs7255692	C19orf29	19	3565403	2	3.665728
rs2067019	TJP3	19	3679609	5	1.415891
rs2301843	KIAA1086	19	3771191	4	0.435577
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rs2240233	KIAA1086	19	3782525	5	2.657986
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rs2240233	KIAA1086	19	3782525	4	1.793662
rs10424392	ATCAY	19	3876413	3	0.451439
rs16992128	ITGB1BP3	19	3884124	4	4.408758
rs10419272	DAPK3	19	3909708	3	0.776877

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rs3745982	DAPK3	19	3909895	3	0.185394
rs3745982	DAPK3	19	3909895	4	0.38441
rs36527	EEF2	19	3928486	5	1.690909
rs17851657	MAP2K2	19	4053449	3	0.738078
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rs2240669	ANKRD24	19	4158940	6	0.404228
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SNP19-4167910	ANKRD24	19	4167910	3	0.132138
rs4905	EBI3	19	4188067	2	0.567852
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rs888932	TMIGD2	19	4243597	5	0.121278
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SNP19-4245807	TMIGD2	19	4245807	5	2.262713
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rs7247504	STAP2	19	4284711	7	0.057986
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SNP19-4310191	MPND	19	4310191	7	0.295683
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rs34148381	CHAF1A	19	4360756	8	0.481048
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rs9352	CHAF1A	19	4393336	6	0.870308
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rs892161	HDGF2	19	4444708	1	0.690591
rs11878277	HDGF2	19	4449000	3	0.075412
rs11878277	HDGF2	19	4449000	7	0.831617
rs13041	KIAA1881	19	4453282	5	0.172602
rs13041	KIAA1881	19	4453282	8	0.671998
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rs35929524	KIAA1881	19	4454169	7	1.017403
rs7250947	KIAA1881	19	4461530	1	0.711151
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rs7260518	KIAA1881	19	4462955	5	0.07969

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rs9973235	M6PRBP1	19	4798713	1	0.196003
rs9304915	M6PRBP1	19	4798874	1	0.07212
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rs9304915	M6PRBP1	19	4798874	8	0.281371
rs2271058	M6PRBP1	19	4803106	2	8.356177
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rs2271058	M6PRBP1	19	4803106	1	0.175576
rs262560	M6PRBP1	19	4818650	7	5.307875
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rs262560	M6PRBP1	19	4818650	3	0.73296
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rs2261988	UHRF1	19	4861889	4	0.383531
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rs8111108	ZNRF4	19	5407450	3	0.712832
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rs778798	FUT6	19	5790613	7	4.202779
rs778981	FUT5	19	5817036	5	0.387398
rs1056987	NDUFA11	19	5854936	5	3.576886
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rs2288846	RFX2	19	5993059	7	0.277893
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rs12984546	SLC25A41	19	6377277	3	0.362441
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rs34488963	SLC25A41	19	6381106	5	1.357269
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rs1053377	TUBB4	19	6445502	5	0.443046
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rs3099129	TUBB4	19	6445915	3	0.182392
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rs17030	C3	19	6628989	1	1.787764



rs428453	C3	19	6653157	1	0.45363
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rs3826736	C19orf45	19	7477030	7	0.628834
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rs1133378	C19orf45	19	7479287	7	0.235734
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rs608144	C19orf45	19	7479297	7	0.930845
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rs608144	C19orf45	19	7479297	8	0.591317
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rs1035442	MUC16	19	8822981	3	0.886214
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rs1862458	MUC16	19	8930792	3	0.325876
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rs2591592	MUC16	19	8936346	8	6.458695
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rs2547074	MUC16	19	8937858	6	6.60616
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rs2240927	OR7E24	19	9223343	7	1.503636
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rs1978713	ZNF266	19	9390783	4	0.258814
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rs5498	ICAM1	19	10256683	6	0.957449
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rs3093032	ICAM1	19	10257336	8	5.547666
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rs2230399	ICAM3	19	10305603	7	0.159577
rs7258015	ICAM3	19	10310358	7	0.52491
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rs3218222	KRI1	19	10537681	3	0.168972
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rs11667275	LPPR2	19	11334358	3	0.234432
rs2291516	RGL3	19	11369177	5	0.061621
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rs10416704	RGL3	19	11377007	7	0.241449
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rs799193	ZNF441	19	11752003	8	0.34123
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rs11670714	ZNF491	19	11779878	7	0.389205
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rs436411	ZNF440	19	11803771	4	0.786861
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rs1975349	ZNF788	19	12083861	4	3.894031
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rs17706075	ZNF799	19	12352779	3	0.495285
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rs11668074	ZNF799	19	12352955	4	1.398551
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rs3745658	ZNF443	19	12412789	6	0.468293
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rs6511898	C19orf57	19	13876711	5	0.023944
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rs1803768	DNAJB1	19	14487197	2	4.426433
rs4606855	EMR3	19	14630339	1	0.059447
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rs757299	EMR2	19	14704490	3	0.41494
rs2524383	EMR2	19	14723430	2	6.651659
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rs2190686	OR7A5	19	14799616	5	0.61962
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rs11883178	OR7C2	19	14913665	1	4.857505
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rs10424547	CCDC105	19	14994787	1	0.858847
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rs757291	ABHD9	19	15198785	6	1.575845
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rs4808383	OR10H1	19	15779802	3	0.351738
rs2108622	CYP4F2	19	15851431	2	0.650634
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rs4808423	LOC126536	19	15997405	4	0.564955
rs4808423	LOC126536	19	15997405	2	0.087895
rs4808423	LOC126536	19	15997405	5	0.004606
rs1043452	RAB8A	19	16105326	7	8.297383
rs1043452	RAB8A	19	16105326	2	0.917929
rs1043452	RAB8A	19	16105326	6	7.73146
rs1043452	RAB8A	19	16105326	1	0.316287
rs6512087	CIB3	19	16136655	4	4.282007
rs6512087	CIB3	19	16136655	3	0.497172
rs6512087	CIB3	19	16136655	7	0.078509
rs9305079	CALR3	19	16452464	7	1.084176
rs9305079	CALR3	19	16452464	5	0.816578
rs8111801	C19orf44	19	16492776	6	5.246058
rs2287869	SLC35E1	19	16527101	4	0.72931
rs2287869	SLC35E1	19	16527101	1	4.849312
rs2287869	SLC35E1	19	16527101	3	0.745443

rs12983375	NWD1	19	16692060	1	4.678402
rs12983375	NWD1	19	16692060	6	4.847049
SNP19-16703052	NWD1	19	16703052	8	0.011787
SNP19-16703052	NWD1	19	16703052	1	6.025539
SNP19-16703052	NWD1	19	16703052	4	0.237186
rs773905	F2RL3	19	16860897	7	0.059584
rs773902	F2RL3	19	16861632	1	1.536269
rs773902	F2RL3	19	16861632	7	1.018222
rs2227349	F2RL3	19	16862551	3	0.628134
rs2227349	F2RL3	19	16862551	5	1.213299
rs773901	CPAMD8	19	16864789	7	0.494604
rs773901	CPAMD8	19	16864789	3	2.338229
rs773901	CPAMD8	19	16864789	2	0.933897
rs773901	CPAMD8	19	16864789	5	1.365233
rs706761	CPAMD8	19	16886292	3	1.916734
rs706761	CPAMD8	19	16886292	4	0.97521
rs706761	CPAMD8	19	16886292	1	3.528567
rs706761	CPAMD8	19	16886292	8	0.10584
rs2305758	NY-SAR-48	19	17024661	1	0.026373
rs2305758	NY-SAR-48	19	17024661	7	0.472171
rs2305758	NY-SAR-48	19	17024661	2	1.45109
rs12459084	NY-SAR-48	19	17031885	7	0.171764
rs12459084	NY-SAR-48	19	17031885	1	0.588755
rs12459084	NY-SAR-48	19	17031885	6	0.098896
rs12459084	NY-SAR-48	19	17031885	2	0.445995
rs3745349	MYO9B	19	17073992	5	0.969869
rs3745349	MYO9B	19	17073992	7	1.972809
SNP19-17177782	MYO9B	19	17177782	4	0.960027
SNP19-17177782	MYO9B	19	17177782	2	5.663577
rs17535005	MYO9B	19	17179018	2	3.943591
rs1045201	OCEL1	19	17198928	8	6.579294
rs744067	OCEL1	19	17200947	8	7.028817
rs3745168	USHBP1	19	17221878	2	3.457354
rs3745168	USHBP1	19	17221878	3	1.902971
rs3745168	USHBP1	19	17221878	6	3.059317
rs1864116	ANKRD41	19	17254015	5	0.850505
rs2363956	ANKRD41	19	17255124	3	0.579661
rs2363956	ANKRD41	19	17255124	4	0.683243
rs2363956	ANKRD41	19	17255124	5	0.332728
rs891017	ANKRD41	19	17255504	4	1.067767
rs891017	ANKRD41	19	17255504	3	0.292078
rs891017	ANKRD41	19	17255504	5	0.313089
rs891017	ANKRD41	19	17255504	8	0.381191
rs11086065	ANKRD41	19	17256003	6	4.133692
rs11086065	ANKRD41	19	17256003	4	1.722453
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rs751599	ANKRD41	19	17257549	3	0.303871

rs751599	ANKRD41	19	17257549	5	0.74718
rs751599	ANKRD41	19	17257549	6	0.856809
rs751599	ANKRD41	19	17257549	4	2.538342
rs751599	ANKRD41	19	17257549	8	0.582362
rs10401700	ANKRD41	19	17258700	4	0.8752
rs10401700	ANKRD41	19	17258700	5	0.165723
rs10401700	ANKRD41	19	17258700	6	4.458718
rs10401700	ANKRD41	19	17258700	3	0.240851
SNP19-17273218	ABHD8	19	17273218	5	0.379239
rs10259	DDA1	19	17291915	2	5.117493
rs10259	DDA1	19	17291915	6	4.474352
rs10259	DDA1	19	17291915	5	0.876756
rs1864112	GTPBP3	19	17309961	5	0.809168
rs1864112	GTPBP3	19	17309961	8	2.408564
rs1864112	GTPBP3	19	17309961	6	0.435796
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rs1864112	GTPBP3	19	17309961	4	0.725793
rs1864112	GTPBP3	19	17309961	3	0.311832
rs3810206	GTPBP3	19	17311016	7	0.408473
rs3810206	GTPBP3	19	17311016	6	0.455214
rs3810206	GTPBP3	19	17311016	3	0.2453
rs3810206	GTPBP3	19	17311016	4	2.417609
rs3810206	GTPBP3	19	17311016	5	0.52229
rs15401	SLC27A1	19	17477747	1	4.179309
rs11878663	FAM129C	19	17512370	3	0.23696
SNP19-17521300	FAM129C	19	17521300	6	2.44781
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SNP19-17523616	FAM129C	19	17523616	5	0.232534
rs34631213	FAM129C	19	17525418	3	0.257814
rs34631213	FAM129C	19	17525418	5	0.285998
rs34631213	FAM129C	19	17525418	6	0.613279
rs34631213	FAM129C	19	17525418	7	0.182192
rs7250113	UNC13A	19	17576183	1	3.409462
rs7250113	UNC13A	19	17576183	4	1.316185
rs7250113	UNC13A	19	17576183	7	1.678285
rs7250113	UNC13A	19	17576183	5	0.631364
rs7254755	UNC13A	19	17577582	1	0.273103
rs7254755	UNC13A	19	17577582	4	0.546274
rs7254755	UNC13A	19	17577582	3	0.277756
rs7254755	UNC13A	19	17577582	5	0.218866
rs7254755	UNC13A	19	17577582	7	0.571293
SNP19-17627900	UNC13A	19	17627900	1	1.702328
SNP19-17783666	B3GNT3	19	17783666	8	5.430233
rs265539	B3GNT3	19	17784160	6	0.259406
rs265539	B3GNT3	19	17784160	3	1.275467

rs1003887	INSL3	19	17788400	8	0.159274
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rs1003887	INSL3	19	17788400	6	4.608176
rs17750642	INSL3	19	17788562	3	0.488405
rs17750642	INSL3	19	17788562	1	6.080026
rs3008	JAK3	19	17798429	8	0.435567
rs3008	JAK3	19	17798429	5	2.35874
rs7259041	ARRDC2	19	17984738	6	0.971827
rs7259041	ARRDC2	19	17984738	5	0.346342
rs401502	IL12RB1	19	18041413	1	1.370908
SNP19-18041451	IL12RB1	19	18041451	1	1.394601
rs17852635	IL12RB1	19	18047575	1	0.143593
rs740691	MAST3	19	18095441	6	4.725369
rs740691	MAST3	19	18095441	1	0.472669
rs740691	MAST3	19	18095441	3	3.386631
rs740691	MAST3	19	18095441	8	1.194415
rs17683509	FKSG24	19	18167990	5	0.358241
rs1044821	FKSG24	19	18168108	6	7.989897
rs7259012	PDE4C	19	18182273	5	3.809206
rs2229228	PDE4C	19	18190784	5	1.320607
rs999813	KIAA1683	19	18229810	5	0.555182
rs999813	KIAA1683	19	18229810	3	0.528342
rs8103177	KIAA1683	19	18236815	5	0.756171
rs8103177	KIAA1683	19	18236815	3	0.406449
rs2277921	KIAA1683	19	18236846	3	0.381457
rs2277921	KIAA1683	19	18236846	5	0.19913
rs8110972	KIAA1683	19	18237407	4	0.666441
rs8110972	KIAA1683	19	18237407	3	0.846915
rs8110972	KIAA1683	19	18237407	5	0.233657
rs2277922	KIAA1683	19	18237522	5	1.41232
rs2277922	KIAA1683	19	18237522	4	0.13773
rs2277922	KIAA1683	19	18237522	3	0.661766
rs3746186	KIAA1683	19	18238274	5	1.80616
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rs8104533	KIAA1683	19	18238496	3	1.210651
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rs8104533	KIAA1683	19	18238496	4	0.277411
rs1469023	KIAA1683	19	18239219	5	4.122853
rs1469023	KIAA1683	19	18239219	3	0.806901
rs1469023	KIAA1683	19	18239219	4	1.094711
rs1079166	KIAA1683	19	18246214	4	0.788423
rs1079166	KIAA1683	19	18246214	1	0.025306
rs3746184	PGPEP1	19	18335587	7	0.504384
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rs1043063	PGPEP1	19	18341171	5	0.64549
rs1043063	PGPEP1	19	18341171	3	0.174306
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rs1043063	PGPEP1	19	18341171	7	4.386063
rs7226	PGPEP1	19	18341609	8	0.213405
rs7226	PGPEP1	19	18341609	4	2.384524
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rs1059519	GDF15	19	18358024	1	0.393219
rs1059519	GDF15	19	18358024	4	0.099701
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rs1059519	GDF15	19	18358024	2	5.558943
rs1059519	GDF15	19	18358024	7	0.588352
rs1059369	GDF15	19	18358141	4	3.126217
rs1059369	GDF15	19	18358141	3	0.285305
rs1059369	GDF15	19	18358141	8	0.62076
rs6512262	LRRC25	19	18363565	5	0.489404
rs1859948	C19orf50	19	18540866	8	9.748118
rs2238647	CRLF1	19	18571535	8	0.258696
rs709679	TMEM59L	19	18587856	5	0.577889
rs1043192	TMEM59L	19	18592658	8	0.359819
rs1076235	KLHL26	19	18636077	2	0.046986
rs1076235	KLHL26	19	18636077	8	0.275328
rs1076235	KLHL26	19	18636077	1	0.61616
rs10410987	UPF1	19	18838937	7	0.089685
rs10410987	UPF1	19	18838937	1	6.504153
rs10416469	UPF1	19	18839250	5	8.264357
rs2074797	COPE	19	18872244	6	0.442402
rs2074797	COPE	19	18872244	4	0.961518
rs2074797	COPE	19	18872244	1	1.453721
rs2231992	DDX49	19	18891571	5	0.207875
rs4808897	SFRS14	19	18966259	5	0.852046
rs4808897	SFRS14	19	18966259	4	7.371745
rs4808921	SLC25A42	19	19082846	5	0.085251
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rs11729	TMEM161A	19	19091482	1	4.576252
rs11729	TMEM161A	19	19091482	3	0.685701
rs1064395	NCAN	19	19222735	3	0.499156
SNP19-19240549	TM6SF2	19	19240549	6	2.039983
SNP19-19240549	TM6SF2	19	19240549	1	1.255429
rs11555053	SF4	19	19251185	3	0.736681
rs2033481	GATAD2A	19	19478134	4	0.475489
rs2033481	GATAD2A	19	19478134	1	3.2809
rs7250893	TSSK6	19	19486547	6	4.479512
rs7250893	TSSK6	19	19486547	4	5.239385
rs7250893	TSSK6	19	19486547	3	0.5477
rs17684164	NDUFA13	19	19487769	3	2.540434
rs880090	GMIP	19	19601729	7	0.545824



rs880090	GMIP	19	19601729	1	6.266871
rs880090	GMIP	19	19601729	4	0.648949
rs880090	GMIP	19	19601729	3	0.106078
rs35075083	GMIP	19	19608520	7	0.991672
rs12976582	ZNF101	19	19640706	4	1.151161
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rs7246866	ZNF14	19	19683049	2	1.973148
rs16996360	ZNF506	19	19763916	6	0.824066
rs16996360	ZNF506	19	19763916	1	0.412942
rs16996360	ZNF506	19	19763916	2	0.868109
SNP19-19994846	ZNF682	19	19994846	2	5.387204
SNP19-19994846	ZNF682	19	19994846	7	1.324869
rs7247683	FLJ44894	19	20367988	2	4.117495
rs7247683	FLJ44894	19	20367988	4	0.942683
rs2701302	FLJ44894	19	20368239	1	0.410305
rs2701302	FLJ44894	19	20368239	5	1.411668
SNP19-20923411	ZNF85	19	20923411	3	0.20001
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SNP19-20923504	ZNF85	19	20923504	3	0.52029
rs488125	ZNF708	19	21266013	7	0.41215
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rs489845	ZNF708	19	21266154	3	0.757152
rs8112775	ZNF708	19	21266229	3	0.142792
rs504280	ZNF708	19	21269219	8	3.900647
rs504280	ZNF708	19	21269219	7	0.945017
rs7252798	ZNF100	19	21699893	8	1.74321
rs7252798	ZNF100	19	21699893	3	0.176401
rs4932954	ZNF257	19	22064294	6	1.925873
rs4932954	ZNF257	19	22064294	5	0.859049
rs4932954	ZNF257	19	22064294	1	3.381687
rs10417916	ZNF257	19	22064455	5	0.857843
rs10424582	C19orf12	19	34885561	6	1.951516
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rs10424582	C19orf12	19	34885561	5	0.009834
rs741445	ZNF507	19	37528432	7	0.457326
rs741445	ZNF507	19	37528432	5	1.358764
rs741445	ZNF507	19	37528432	4	0.055986
rs10500258	ZNF507	19	37567247	5	6.006674
rs7253039	DPY19L3	19	37664917	4	7.255308
rs7247420	ANKRD27	19	37788626	2	4.036281
rs7248273	ANKRD27	19	37788656	2	5.370264
rs2302970	ANKRD27	19	37790472	2	1.563641
rs2302970	ANKRD27	19	37790472	6	0.638756
rs2302970	ANKRD27	19	37790472	5	5.093007
rs2302970	ANKRD27	19	37790472	1	0.114173
rs11881633	TDRD12	19	37973764	3	0.943036

rs11881633	TDRD12	19	37973764	6	0.149264
rs12151363	TDRD12	19	38000870	2	4.820699
rs12151363	TDRD12	19	38000870	6	0.962512
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rs2287884	SLC7A9	19	38013287	4	0.124184
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rs1007161	SLC7A9	19	38044881	4	0.393205
rs1007161	SLC7A9	19	38044881	2	0.089741
rs1007160	SLC7A9	19	38044901	2	1.371738
rs12150889	SLC7A9	19	38046895	2	4.564111
rs12150889	SLC7A9	19	38046895	4	4.741427
rs12150890	SLC7A9	19	38046909	6	1.665591
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rs745960	CCDC123	19	38061924	6	0.19927
rs745960	CCDC123	19	38061924	5	0.308284
rs745960	CCDC123	19	38061924	1	0.288064
rs11556219	C19orf40	19	38155068	6	0.651366
rs11556219	C19orf40	19	38155068	4	0.006177
rs11556219	C19orf40	19	38155068	1	4.640946
rs34723366	C19orf40	19	38155087	4	0.324945
rs34723366	C19orf40	19	38155087	1	2.542781
rs2304102	C19orf40	19	38159197	4	0.843837
rs2304102	C19orf40	19	38159197	5	0.661067
rs10410414	RHPN2	19	38190911	7	0.029981
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rs2287681	GPATCH1	19	38300573	3	0.09088
rs6510356	GPATCH1	19	38309423	3	1.213392
rs6510356	GPATCH1	19	38309423	2	5.484316
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rs3848596	WDR88	19	38327601	3	0.408475
SNP19-38570677	PEPD	19	38570677	7	0.028869
SNP19-38570677	PEPD	19	38570677	6	5.753987
rs2056180	KCTD15	19	38994889	5	0.298622
rs10418860	LOC643613	19	39205753	3	0.35457
rs10418860	LOC643613	19	39205753	1	0.981597
rs16968855	LOC126235	19	39275498	1	0.691771
rs574004	LOC126235	19	39275977	5	2.595895
rs574004	LOC126235	19	39275977	8	3.837053
rs574004	LOC126235	19	39275977	3	3.228853
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rs392340	KIAA0355	19	39534328	3	0.11038
rs392340	KIAA0355	19	39534328	6	0.721995
rs392340	KIAA0355	19	39534328	5	0.290651
rs1801015	GPI	19	39560482	8	2.523178
rs1801015	GPI	19	39560482	4	0.040606
rs4806060	LOC401913	19	40049178	3	0.45121

SNP19-40126288	ZNF30	19	40126288	6	3.465548
rs2651109	ZNF30	19	40126352	1	0.463049
rs2651109	ZNF30	19	40126352	8	0.135727
rs2651109	ZNF30	19	40126352	4	6.72816
rs2651109	ZNF30	19	40126352	7	0.791159
rs2651109	ZNF30	19	40126352	2	3.597856
rs3761066	ZNF30	19	40127429	5	0.202567
rs3761066	ZNF30	19	40127429	6	0.464554
rs3761066	ZNF30	19	40127429	7	4.316212
rs3761066	ZNF30	19	40127429	1	3.227885
rs1053216	ZNF30	19	40127807	1	5.397637
rs1053216	ZNF30	19	40127807	7	1.153907
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rs1053216	ZNF30	19	40127807	6	0.0376
rs2290647	GRAMD1A	19	40198569	3	1.73693
rs2290647	GRAMD1A	19	40198569	2	3.996946
SNP19-40202144	GRAMD1A	19	40202144	5	0.730251
rs45512696	HPN	19	40242718	5	0.329749
rs1042328	HPN	19	40249100	1	4.532828
rs1042328	HPN	19	40249100	7	1.382894
rs1042328	HPN	19	40249100	5	0.027074
rs1688029	HPN	19	40249280	1	3.471117
rs1688029	HPN	19	40249280	5	0.54511
rs1688029	HPN	19	40249280	7	0.663718
rs7253620	LOC728630	19	40257392	5	1.407634
rs4835	FXVD3	19	40306374	3	0.282766
rs4835	FXVD3	19	40306374	8	7.895872
rs4835	FXVD3	19	40306374	5	0.20354
rs4835	FXVD3	19	40306374	6	1.622982
rs4835	FXVD3	19	40306374	7	0.498126
rs4835	FXVD3	19	40306374	1	0.430946
rs4835	FXVD3	19	40306374	4	1.19095
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rs1319969	LGI4	19	40309110	7	0.834834
rs3458	FXVD5	19	40352510	6	1.534895
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rs17705633	SBSN	19	40707492	3	0.024734
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SNP19-49044506	ZNF283	19	49044506	2	2.786513
rs365745	ZNF221	19	49163049	1	4.449379
SNP19-49163092	ZNF221	19	49163092	1	2.838737
rs11883068	ZNF230	19	49208804	1	6.163752

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SNP19-49227839	ZNF222	19	49227839	6	6.298726
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SNP19-49227839	ZNF222	19	49227839	1	5.810243
SNP19-49302683	ZNF224	19	49302683	6	0.385311
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rs4508518	ZNF224	19	49303260	8	6.930885
rs1105561	ZNF226	19	49361800	3	0.433946
rs1105561	ZNF226	19	49361800	7	5.202989
rs1105561	ZNF226	19	49361800	8	0.226941
rs2884016	ZNF233	19	49470639	1	5.18235
rs4280359	ZNF228	19	49525691	3	0.045108
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rs4280359	ZNF228	19	49525691	8	0.698818
rs2734455	ZNF229	19	49622375	1	6.458318
rs2734455	ZNF229	19	49622375	3	0.617841
rs1062093	ZNF229	19	49623835	6	4.709345
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rs1062093	ZNF229	19	49623835	2	7.9389
rs1062093	ZNF229	19	49623835	4	0.537894
rs1897824	ZNF285B	19	49668911	3	3.722328
rs1897824	ZNF285B	19	49668911	7	3.62928
rs2020083	ZNF180	19	49673365	5	1.24749
rs2020083	ZNF180	19	49673365	3	0.941002
rs2253563	ZNF180	19	49675407	7	1.671115
rs2253563	ZNF180	19	49675407	4	0.706938
rs2253563	ZNF180	19	49675407	5	0.071206
rs17714646	FLJ41856	19	49734335	7	1.035916
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rs7250946	LOC147710	19	49831860	4	0.375549
rs2289494	CEACAM19	19	49878805	3	0.311717
rs2289494	CEACAM19	19	49878805	2	4.696503
rs3729640	PVRL2	19	50073757	5	0.3468
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rs157581	TOMM40	19	50087554	1	0.898704
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rs157581	TOMM40	19	50087554	2	0.700631
rs157581	TOMM40	19	50087554	6	0.081811
rs157581	TOMM40	19	50087554	3	0.260244
SNP19-50098513	TOMM40	19	50098513	3	0.676361
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rs1064725	APOC1	19	50114401	6	0.394794
rs1132899	APOC4	19	50139876	6	2.062309
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rs2395	MARK4	19	50498449	7	0.176253
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rs10415720	MARK4	19	50499771	5	0.431966
rs12971645	MARK4	19	50499785	1	0.770679
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rs4884	CKM	19	50501875	7	1.336089
rs17875616	CKM	19	50506873	4	4.44981
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rs1133190	CKM	19	50510675	3	0.795932
rs967591	CD3EAP	19	50601774	3	0.482308
rs1007616	CD3EAP	19	50604933	1	0.3802
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rs2282695	FOSB	19	50663801	5	7.122887

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rs3745818	GPR4	19	50787491	3	0.698165
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rs1800437	GIPR	19	50873232	6	0.91848
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rs16980091	FOXA3	19	51067619	5	1.716925
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rs8111011	NANOS2	19	51108487	3	0.448953
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rs1422627	NANOS2	19	51108578	3	0.467976
rs1047061	NOVA2	19	51135726	7	2.198433
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rs17271272	IGFL4	19	51235406	1	3.155183
rs10408162	IGFL2	19	51356240	5	0.974886
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SNP19-51504291	HIF3A	19	51504291	7	0.506464
rs3764609	HIF3A	19	51515542	6	1.264281
rs917948	PPP5C	19	51548855	7	0.297406

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rs889169	NPAS1	19	52240518	4	0.491948
rs889169	NPAS1	19	52240518	6	0.134133
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rs12985905	CCDC9	19	52453486	8	0.56309
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rs2245046	DHX34	19	52550264	7	0.824937
rs2694558	DHX34	19	52571077	7	0.178166
rs2547378	DHX34	19	52577594	7	0.175858
rs3745173	SLC8A2	19	52624200	6	0.454958
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rs2914439	GLTSCR1	19	52874320	2	0.535404
rs2911005	GLTSCR1	19	52874380	4	0.456008
rs2911005	GLTSCR1	19	52874380	7	1.161611
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rs8101799	LOC729626	19	52963864	4	0.023708
rs8101799	LOC729626	19	52963864	7	0.80868
rs8106690	LOC390949	19	52989690	2	1.244877
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rs7248427	CRX	19	53037973	3	0.748141
rs7248427	CRX	19	53037973	5	0.78912
rs11670620	CRX	19	53038337	5	1.2907
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rs35535557	CABP5	19	53236649	3	1.351657
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rs9226	PLA2G4C	19	53243358	8	3.709672
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rs2307279	PLA2G4C	19	53300410	5	3.097803
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rs20579	LIG1	19	53360642	1	3.072007
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rs1968441	CARD8	19	53403601	8	6.593567
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rs2043211	CARD8	19	53429518	3	0.27353
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rs3826828	TMEM143	19	53528485	6	0.312158
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rs919804	SYNGR4	19	53560990	5	0.872941
rs1050671	KDELR1	19	53577730	7	2.897702
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rs8111684	GRIN2D	19	53639138	3	0.77644
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rs2544794	SULT2B1	19	53771058	3	0.151483
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rs368654	FAM83E	19	53808367	7	0.415163
rs368654	FAM83E	19	53808367	1	2.821309
rs443527	FAM83E	19	53808572	6	3.200786
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rs3826838	LOC653677	19	53875096	2	2.491825
rs1800027	FUT2	19	53898538	1	4.874287
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rs8104897	IZUMO1	19	53941626	1	0.396136
rs8105137	IZUMO1	19	53941700	1	0.807774
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rs12611028	FUT1	19	53944801	2	0.78037
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rs4015	FUT1	19	53945201	1	0.266018
rs4015	FUT1	19	53945201	2	0.3943
rs4015	FUT1	19	53945201	6	2.305524



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rs506425	PLEKHA4	19	54060655	8	0.893699
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rs8112811	TULP2	19	54083216	5	1.43562
rs1058483	NUCB1	19	54099472	8	3.371448
rs2270941	DHDH	19	54130175	5	0.025087
rs2270939	DHDH	19	54134745	4	4.09275
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rs10423255	DHDH	19	54137586	4	1.085012
rs11666105	DHDH	19	54137629	5	1.434963
rs11666105	DHDH	19	54137629	4	0.382647
rs2287754	GYS1	19	54188306	4	0.477863
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rs12461088	CGB7	19	54250591	7	3.775237
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rs11673003	KCNA7	19	54263769	3	0.257603
rs11083959	KCNA7	19	54265018	8	0.40649
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rs1017219	KCNA7	19	54265250	1	0.836855
rs3810188	KCNA7	19	54265330	3	0.545665
rs1611775	KCNA7	19	54265937	4	4.070889
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rs2303053	PPFIA3	19	54331814	5	0.114996
rs2303053	PPFIA3	19	54331814	7	0.402871
SNP19-54350021	HRC	19	54350021	1	0.725828
SNP19-54350021	HRC	19	54350021	5	0.561836
SNP19-54350021	HRC	19	54350021	7	0.439132
rs3745298	HRC	19	54350179	5	1.14125

rs3745299	HRC	19	54350202	7	2.292147
rs3745299	HRC	19	54350202	5	1.673253
rs1054770	DKKL1	19	54569927	7	0.504371
rs1054770	DKKL1	19	54569927	5	0.425524
rs2288481	DKKL1	19	54570008	5	0.953113
rs2288481	DKKL1	19	54570008	6	0.383714
rs2288481	DKKL1	19	54570008	7	0.789003
rs10421748	FLJ32658	19	54593130	6	0.574836
rs10421748	FLJ32658	19	54593130	5	1.362086
rs1043558	SLC17A7	19	54624574	5	0.060779
rs13394	PIH1D1	19	54642110	4	0.174281
rs13394	PIH1D1	19	54642110	5	4.51212
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rs1320303	ALDH16A1	19	54656789	3	0.854501
rs1320303	ALDH16A1	19	54656789	5	6.068919
rs2293009	ALDH16A1	19	54659492	1	0.809956
rs2293009	ALDH16A1	19	54659492	7	0.850011
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GA034912	ALDH16A1	19	54659793	1	2.343837
GA034912	ALDH16A1	19	54659793	5	0.407034
GA034912	ALDH16A1	19	54659793	4	0.18962
rs11669553	RPL13A	19	54687348	5	0.09311
rs2878342	FCGRT	19	54709536	7	0.153004
rs2878342	FCGRT	19	54709536	1	3.488325
rs3745474	PRRG2	19	54778618	7	1.553996
rs11083979	PRR12	19	54787956	7	0.702124
rs11083979	PRR12	19	54787956	3	0.538742
rs3745475	PRR12	19	54792107	3	0.346068
rs3745475	PRR12	19	54792107	7	0.941189
rs2304206	BCL2L12	19	54860683	1	5.321674
rs2304206	BCL2L12	19	54860683	8	0.877578
rs2304206	BCL2L12	19	54860683	7	0.812403
rs2304204	IRF3	19	54860832	1	3.926681
rs2304204	IRF3	19	54860832	8	4.410667
rs2304204	IRF3	19	54860832	7	0.738954
rs2305921	FUZ	19	55004465	6	0.200097
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rs731826	TBC1D17	19	55072670	3	1.13234
rs731826	TBC1D17	19	55072670	5	0.302954
rs731826	TBC1D17	19	55072670	2	3.891917
rs731826	TBC1D17	19	55072670	4	1.169178
rs731826	TBC1D17	19	55072670	7	0.735227
rs3745486	TBC1D17	19	55075448	5	1.439509
rs3745486	TBC1D17	19	55075448	3	1.672656
rs3745486	TBC1D17	19	55075448	4	1.3644
rs1290754	IL4I1	19	55096751	7	0.326875

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rs9304690	SIGLEC11	19	55145129	7	2.349317
rs2278410	VRK3	19	55220530	7	0.317894
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rs2278410	VRK3	19	55220530	5	0.242212
rs3745504	MYH14	19	55463421	6	0.110409
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rs11669191	MYH14	19	55471894	3	0.843248
rs11669191	MYH14	19	55471894	4	0.94579
SNP19-55557347	NAPSA	19	55557347	5	1.369177
rs1137895	SPIB	19	55623776	7	0.750603
rs25668	MYBPC2	19	55657084	7	1.387661
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rs25668	MYBPC2	19	55657084	3	0.505304
rs889131	LOC554235	19	55709647	3	1.5379
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rs889131	LOC554235	19	55709647	1	0.524196
rs2287820	SYT3	19	55832501	3	0.377735
rs2287819	SYT3	19	55832564	3	0.545972
rs41275782	SHANK1	19	55864338	8	0.934546
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SNP19-55989638	ACPT	19	55989638	8	4.46927
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rs5516	KLK1	19	56015285	1	0.559085
rs5516	KLK1	19	56015285	2	0.180378
rs5516	KLK1	19	56015285	3	0.145776
rs5515	KLK1	19	56015488	8	4.930217
rs3212810	KLK15	19	56020548	5	0.432252
rs2659122	KLK3	19	56054838	1	0.302506
rs1058205	KLK3	19	56055210	1	1.478683
rs1058205	KLK3	19	56055210	7	2.132951
rs1058274	KLK3	19	56055260	7	1.129458
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rs198972	KLK2	19	56071705	1	1.055684
rs198972	KLK2	19	56071705	5	0.95215

rs198972	KLK2	19	56071705	8	1.332008
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rs1654552	KLK4	19	56104478	7	0.274901
rs1701950	KLK6	19	56156908	1	0.016746
rs1701950	KLK6	19	56156908	2	0.417004
rs1654528	KLK7	19	56172652	2	2.634828
rs10404395	KLK9	19	56197908	8	0.182258
rs10404395	KLK9	19	56197908	3	0.046605
rs2659096	KLK9	19	56197960	1	0.374085
rs2659096	KLK9	19	56197960	5	6.312746
rs2659096	KLK9	19	56197960	8	6.900748
rs2659096	KLK9	19	56197960	4	0.844996
rs2569454	KLK10	19	56215015	2	0.366319
rs1048328	KLK11	19	56219176	4	2.402747
rs8104554	KLK12	19	56229928	1	1.573019
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rs2569491	KLK14	19	56276728	1	2.501996
rs2569491	KLK14	19	56276728	7	0.538258
rs2569491	KLK14	19	56276728	3	1.251055
rs35287116	KLK14	19	56276763	7	0.081353
rs17801681	SIGLECP3	19	56368461	4	0.634135
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rs3887787	LOC402665	19	56525816	7	2.932508
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rs3009	NKG7	19	56566762	5	0.856526
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rs3810092	LOC147646	19	56583369	3	0.009899
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rs3826659	LOC147646	19	56583721	1	1.836421
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rs3826660	LOC147646	19	56583794	1	2.721494
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rs3826660	LOC147646	19	56583794	5	1.773043
rs3826663	LOC147646	19	56583847	5	0.036934
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rs3826664	LOC147646	19	56583921	7	1.055786
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rs1974821	SIGLEC10	19	56609547	5	0.018871
rs1974821	SIGLEC10	19	56609547	3	0.260023
rs36491	SIGLEC8	19	56647438	2	1.050309
rs36491	SIGLEC8	19	56647438	5	3.474353
SNP19-56724970	SIGLEC6	19	56724970	6	0.53441

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rs1551559	SIGLEC6	19	56726752	1	0.46442
rs1551559	SIGLEC6	19	56726752	4	1.153976
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rs6509556	FLJ30403	19	56786328	1	2.352014
rs7259649	FLJ30403	19	56787253	6	0.96404
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rs7259649	FLJ30403	19	56787253	8	0.860877
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rs3794983	FLJ30403	19	56787865	7	0.663232
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rs2278831	SIGLEC5	19	56822931	1	1.899347
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rs3829647	HAS1	19	56908375	2	2.092177
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rs3829647	HAS1	19	56908375	6	0.120786
rs867341	FPR1	19	56940932	3	0.234155
rs2070745	FPR1	19	56941759	4	3.201618
rs17695052	FPRL1	19	56965038	1	0.861448
rs3752125	FPRL2	19	57019596	3	0.256407
rs7253924	FPRL2	19	57020025	3	0.879665
rs9807901	ZNF577	19	57066514	7	0.190383
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rs1055408	ZNF577	19	57067236	3	0.564404
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rs6509586	ZNF577	19	57067326	7	1.048744
rs10407911	ZNF577	19	57067931	7	0.609621
rs10407547	ZNF577	19	57067938	7	0.664509
rs9807842	ZNF577	19	57068019	7	0.326686

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rs12462876	ZNF614	19	57209050	3	0.034556
rs11670943	ZNF432	19	57243771	2	1.528055
rs3752120	ZNF432	19	57243833	3	0.187959
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SNP19-57749291	ZNF808	19	57749291	6	0.029667
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rs12986137	ZNF808	19	57751684	4	0.654406
rs2279152	ZNF137	19	57791787	6	1.29126
rs2279152	ZNF137	19	57791787	7	0.07988
rs7250630	ZNF137	19	57792135	6	0.710011
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rs1802617	ZNF137	19	57792397	1	4.285436
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rs1802617	ZNF137	19	57792397	6	0.80487
rs11668347	ZNF137	19	57794680	8	5.115785
rs4664	ZNF83	19	57807597	1	4.261233
rs10775556	ZNF83	19	57830234	7	0.207704
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rs3194868	ZNF28	19	57992529	1	0.21395
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rs10407516	ZNF28	19	57994265	2	0.88416
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rs10407516	ZNF28	19	57994265	1	0.447346
rs10410012	ZNF28	19	57994549	5	0.047058
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rs10410012	ZNF28	19	57994549	4	2.225582
rs10417163	ZNF28	19	57995517	4	0.290437

rs10417163	ZNF28	19	57995517	7	0.029122
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rs10417163	ZNF28	19	57995517	6	0.77301
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rs8109900	ZNF321	19	58123806	3	0.285643
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rs1650972	ZNF347	19	58335309	1	3.458845
rs1133146	ZNF665	19	58358472	4	0.976129
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rs10853858	ZNF818	19	58408090	7	0.001903
rs10853858	ZNF818	19	58408090	3	7.608842
rs6509740	ZNF677	19	58430797	5	0.007819
rs6509740	ZNF677	19	58430797	3	1.338334

rs6509740	ZNF677	19	58430797	4	0.239213
rs17272966	ZNF677	19	58431770	4	0.486985
rs17272966	ZNF677	19	58431770	5	0.403887
rs8113436	ZNF677	19	58432634	5	0.414099
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rs12984188	ZNF677	19	58432880	5	0.451462
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rs12984473	ZNF677	19	58433000	5	0.843481
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rs8109165	BIRC8	19	58484854	3	2.799807
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rs6509753	ZNF765	19	58605367	7	1.196333
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SNP19-58685873	ZNF813	19	58685873	3	0.911071
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rs2708844	ZNF813	19	58687503	6	1.205738
rs2708840	ZNF813	19	58688926	8	0.852081
rs2708781	NULL	19	58716026	5	1.628984
rs8100247	ZNF331	19	58717013	3	0.735317
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rs8110538	ZNF331	19	58773710	7	2.721639
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rs8110350	ZNF331	19	58773727	5	2.531808
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rs11556769	PRPF31	19	59319727	1	5.988585
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rs36657	TMC4	19	59356021	1	5.747118
rs36657	TMC4	19	59356021	3	0.26625



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SNP19-59494505	LILRA3	19	59494505	5	0.853449
rs1035451	LENG8	19	59654279	4	0.511863
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rs3813148	LENG8	19	59657672	4	0.221417
rs3813148	LENG8	19	59657672	6	3.630923
rs889147	LENG8	19	59658391	5	0.056028
rs889147	LENG8	19	59658391	6	0.248637
rs889147	LENG8	19	59658391	4	4.656394
rs10423424	LENG9	19	59665092	6	0.863976
rs10423424	LENG9	19	59665092	4	0.902138
rs10423424	LENG9	19	59665092	5	6.164101
rs10406453	LENG9	19	59666130	6	3.028924
rs10406453	LENG9	19	59666130	5	1.107366
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rs1981829	LENG9	19	59666586	4	1.011582
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rs2217659	NLRP2	19	60177711	3	1.007319
rs17699678	NLRP2	19	60185540	8	6.456903
rs11672113	NLRP2	19	60186693	1	0.329922
rs11672113	NLRP2	19	60186693	5	2.99412
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rs1043673	NLRP2	19	60204044	3	0.037221
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rs1671150	GP6	19	60217309	6	0.461477
rs1671152	GP6	19	60218157	6	1.624999
rs1613662	GP6	19	60228407	4	0.229304
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rs1613662	GP6	19	60228407	6	0.611944
rs892090	GP6	19	60230884	4	3.700679
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rs892090	GP6	19	60230884	6	0.187915
rs1189	RDH13	19	60247966	3	0.020189
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rs2288420	PTPRH	19	60384935	6	2.565983
rs2288419	PTPRH	19	60385056	6	1.295836
rs2288419	PTPRH	19	60385056	8	0.144276
SNP19-60389091	PTPRH	19	60389091	1	2.972436
rs36092369	PTPRH	19	60390767	6	2.031744
rs2288523	PTPRH	19	60394722	2	3.90228
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rs2288521	PTPRH	19	60400369	3	1.283417
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rs2298885	IL11	19	60568052	1	0.093135
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rs1042506	IL11	19	60568923	5	0.549878
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rs2303089	ISOC2	19	60656532	2	3.623787
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rs960997	ZNF471	19	61731283	4	9.253086
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rs12618	ZNF211	19	62845568	1	5.339385
rs9676604	ZSCAN4	19	62881099	1	1.722192
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rs8104122	ZSCAN1	19	63257243	1	1.206207
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rs2547360	ZNF329	19	63330211	3	0.571448
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rs7271033	C2orf96	20	207969	3	0.212187
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rs6116997	SCRT2	20	591677	3	0.827528
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rs11907018	ANGPT4	20	801502	1	0.469406
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rs734940	RSPO4	20	887596	6	0.824542
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rs6134520	SNPH	20	1236223	5	4.729269
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rs6042507	SIRPB2	20	1407060	5	1.277361
rs2253693	SIRPB1	20	1493468	2	3.909791

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rs6138281	ZNF343	20	2437531	3	0.32052
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rs2273137	NOL5A	20	2583212	4	0.229872
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rs4911536	DUSP15	20	29916443	7	0.140875
rs6061043	TTLL9	20	29990726	8	0.491698
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rs3746435	MYH7B	20	33050859	8	0.983222
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SNP20-33052768	MYH7B	20	33052768	3	0.715834
rs4911167	MYH7B	20	33053757	1	4.924008
rs3746429	EDEM2	20	33167268	3	0.233052
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SNP20-33298124	MMP24	20	33298124	8	5.629441
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rs2425049	FAM83C	20	33338134	3	1.667375
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rs1744760	C20orf132	20	35174208	5	0.55192
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rs1744769	C20orf132	20	35203006	4	1.359123
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rs1615246	C20orf132	20	35216908	1	4.965162
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rs760998	KIAA1755	20	36279152	7	1.39277
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rs20544	MMP9	20	44078417	1	5.134213
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rs1952	BCAS1	20	51994050	2	3.194376
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rs3746626	C20orf32	20	54467120	1	0.979603
rs3746626	C20orf32	20	54467120	3	0.251593
rs2296130	C20orf107	20	54544778	1	3.405687
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rs6064572	ZBP1	20	55612828	5	0.522352
rs41275646	ZBP1	20	55618615	4	0.087711
rs2073145	ZBP1	20	55624040	5	1.203346
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rs1048100	COL9A3	20	60942518	7	0.955958
rs1048100	COL9A3	20	60942518	6	3.116586



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rs3787694	HUNK	21	32295043	5	0.501781
rs3787694	HUNK	21	32295043	1	0.45519
rs3787694	HUNK	21	32295043	8	0.000424
rs3787694	HUNK	21	32295043	4	0.090322
rs3787694	HUNK	21	32295043	2	7.789116
rs3787697	HUNK	21	32295801	4	5.089874
rs3787697	HUNK	21	32295801	5	3.522662
rs3787697	HUNK	21	32295801	1	0.51113
rs3787697	HUNK	21	32295801	8	0.497168
rs3578	HUNK	21	32295973	4	0.511148
rs3578	HUNK	21	32295973	2	3.090748
rs3578	HUNK	21	32295973	1	0.898947
rs3578	HUNK	21	32295973	5	0.507365
rs3578	HUNK	21	32295973	8	2.260739
rs2833601	HUNK	21	32297384	1	0.58256
rs2833601	HUNK	21	32297384	5	0.183165
rs2833601	HUNK	21	32297384	4	0.160704
rs2833602	HUNK	21	32297433	1	0.748318
rs2833602	HUNK	21	32297433	4	0.952917
rs11702306	C21orf119	21	32687431	4	0.03634
rs2833907	C21orf77	21	32869651	3	0.983877
rs2833907	C21orf77	21	32869651	1	2.755264
rs2833907	C21orf77	21	32869651	5	0.481635
rs7520	TCP10L	21	32870930	5	0.545072
rs1783066	C21orf59	21	32895979	2	6.014234
rs11910271	C21orf49	21	33066416	7	0.113949
rs11910271	C21orf49	21	33066416	6	0.211397
rs11910271	C21orf49	21	33066416	1	8.078261
rs11910271	C21orf49	21	33066416	5	0.044118
rs11910504	C21orf49	21	33066456	5	1.094825
rs11910504	C21orf49	21	33066456	1	3.151175
rs2833955	C21orf62	21	33085302	7	0.159735
rs2833955	C21orf62	21	33085302	5	0.328436
rs2833955	C21orf62	21	33085302	1	3.263638

rs2833955	C21orf62	21	33085302	8	0.81271
rs2833956	C21orf62	21	33085613	1	3.973076
rs2833956	C21orf62	21	33085613	5	0.012958
rs4817501	C21orf62	21	33087650	1	5.07757
rs4817501	C21orf62	21	33087650	5	1.012119
rs4817501	C21orf62	21	33087650	8	0.427908
rs2231390	C21orf62	21	33088213	7	0.788202
rs2231390	C21orf62	21	33088213	1	3.186263
rs2231390	C21orf62	21	33088213	8	0.243114
rs2231390	C21orf62	21	33088213	5	0.500955
rs762178	OLIG2	21	33321271	5	0.665658
rs762178	OLIG2	21	33321271	7	0.936138
rs1059004	OLIG2	21	33322333	7	3.290279
rs9975738	IFNAR2	21	33524116	4	1.071853
rs17860115	IFNAR2	21	33524175	6	3.303555
rs17860115	IFNAR2	21	33524175	5	0.865972
rs17860115	IFNAR2	21	33524175	3	0.863547
rs17860115	IFNAR2	21	33524175	2	3.579545
rs7279064	IFNAR2	21	33536125	2	0.440039
rs7279064	IFNAR2	21	33536125	6	1.471024
rs7279064	IFNAR2	21	33536125	3	0.686565
rs7279064	IFNAR2	21	33536125	5	1.145494
rs8178561	IL10RB	21	33590667	1	4.187281
rs2850015	IFNAR1	21	33619134	7	0.307396
rs2850015	IFNAR1	21	33619134	4	0.828776
rs2850015	IFNAR1	21	33619134	3	0.860454
rs2850015	IFNAR1	21	33619134	5	1.240814
rs17875889	IFNAR1	21	33652172	6	6.936053
rs2834217	TMEM50B	21	33744020	5	0.221011
rs2834217	TMEM50B	21	33744020	1	0.101226
rs2834217	TMEM50B	21	33744020	8	5.617457
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rs2834217	TMEM50B	21	33744020	4	0.894629
SNP21-33847913	SON	21	33847913	7	0.00664
SNP21-33847913	SON	21	33847913	5	0.753105
SNP21-34161432	ITSN1	21	34161432	3	0.689293
SNP21-34161432	ITSN1	21	34161432	2	3.934729
rs2073370	ITSN1	21	34182351	1	0.051083
rs2073370	ITSN1	21	34182351	3	0.449469
rs3453	KCNE1	21	34740933	1	1.349769
rs2070356	KCNE1	21	34742957	7	1.064027
rs2070356	KCNE1	21	34742957	1	0.290621
rs2070356	KCNE1	21	34742957	4	1.556545
rs1805127	KCNE1	21	34743691	3	0.245296
rs1805127	KCNE1	21	34743691	6	0.427489
rs1805127	KCNE1	21	34743691	1	2.171826

rs1805127	KCNE1	21	34743691	4	0.16648
rs2834502	KCNE1	21	34805359	1	1.675181
rs762364	SETD4	21	36328719	1	0.804377
rs762364	SETD4	21	36328719	3	0.251333
rs16993814	SETD4	21	36329941	7	0.167669
rs8738	SETD4	21	36342520	8	6.668913
rs8738	SETD4	21	36342520	4	2.724987
rs2230192	CBR1	21	36366909	7	3.522071
rs9024	CBR1	21	36367183	4	1.446835
SNP21-36681827	CHAF1B	21	36681827	3	0.044446
SNP21-36681827	CHAF1B	21	36681827	6	0.374031
SNP21-36681827	CHAF1B	21	36681827	8	0.66369
rs2073601	SIM2	21	37039178	3	0.625415
rs2073601	SIM2	21	37039178	4	2.916608
rs2073601	SIM2	21	37039178	7	2.701052
rs2073602	SIM2	21	37039375	1	0.593173
rs2073602	SIM2	21	37039375	8	0.222495
rs2073602	SIM2	21	37039375	2	4.151083
rs2073417	SIM2	21	37042588	1	2.116055
rs2073417	SIM2	21	37042588	8	1.299446
rs2051397	SIM2	21	37043407	2	3.70736
rs2051397	SIM2	21	37043407	4	0.179945
rs2051397	SIM2	21	37043407	1	0.945234
rs2051397	SIM2	21	37043407	7	0.086056
rs2051397	SIM2	21	37043407	3	0.902059
SNP21-37366751	PIGP	21	37366751	5	0.020404
SNP21-37366751	PIGP	21	37366751	3	0.213902
rs2298683	PIGP	21	37366939	7	0.273228
rs2298684	PIGP	21	37366965	8	0.909893
rs2298684	PIGP	21	37366965	5	1.038227
rs1053966	TTC3	21	37489879	5	6.196176
rs6579	TTC3	21	37490178	8	0.411047
rs13864	DSCR9	21	37515490	4	1.378085
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rs2835727	DYRK1A	21	37713543	7	5.024554
rs2835728	DYRK1A	21	37713633	5	0.43884
rs13049514	DYRK1A	21	37714001	3	0.896848
rs13049514	DYRK1A	21	37714001	5	0.840868
rs13049514	DYRK1A	21	37714001	8	0.092314
rs13050229	LOC441964	21	38566256	7	2.438066
rs9963	KCNJ15	21	38594494	2	4.979592
rs1064273	KCNJ15	21	38595169	5	0.686496
rs1064273	KCNJ15	21	38595169	7	1.577731
rs1064273	KCNJ15	21	38595169	4	1.47152
rs1064273	KCNJ15	21	38595169	2	2.393137
rs2836660	C21orf24	21	39045842	4	5.253378
rs457705	ETS2	21	39113301	8	0.671956

rs457705	ETS2	21	39113301	4	1.07945
rs9653664	FLJ45139	21	39171837	5	1.056205
rs9653664	FLJ45139	21	39171837	1	0.439429
rs9653664	FLJ45139	21	39171837	8	0.078036
rs2836722	FLJ45139	21	39171878	5	1.879368
rs2836722	FLJ45139	21	39171878	8	0.730397
rs2836722	FLJ45139	21	39171878	7	0.477876
rs2836722	FLJ45139	21	39171878	1	1.066693
rs2836725	FLJ45139	21	39173584	8	2.299431
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rs2836725	FLJ45139	21	39173584	7	4.322109
rs2836725	FLJ45139	21	39173584	1	2.413028
rs992242	FLJ45139	21	39173903	1	0.971063
rs992243	FLJ45139	21	39173997	1	0.619307
rs1882777	LOC391282	21	39421368	3	1.01534
rs9305670	PSMG1	21	39469257	3	0.394312
rs2297255	BRWD1	21	39479848	6	0.36883
rs2836933	BRWD1	21	39486072	3	1.016723
rs2836933	BRWD1	21	39486072	2	11.98566
rs2836933	BRWD1	21	39486072	8	0.367605
rs2836933	BRWD1	21	39486072	1	0.291481
rs2836933	BRWD1	21	39486072	4	1.066493
rs1041439	BRWD1	21	39493116	6	0.166831
rs34613278	HMG1	21	39642364	2	5.543127
rs34613278	HMG1	21	39642364	3	2.135181
rs11558767	LCA5L	21	39700052	5	7.707694
rs11558767	LCA5L	21	39700052	7	0.272994
rs11558767	LCA5L	21	39700052	1	2.494849
rs2837029	LCA5L	21	39722241	3	2.069963
rs2837029	LCA5L	21	39722241	8	0.703217
rs2837029	LCA5L	21	39722241	4	0.755933
rs2837029	LCA5L	21	39722241	2	5.249802
rs2837034	LCA5L	21	39729230	3	0.63635
rs2837034	LCA5L	21	39729230	4	0.927752
rs2837034	LCA5L	21	39729230	8	1.02945
rs11575939	SH3BGR	21	39745772	8	2.600432
rs11575939	SH3BGR	21	39745772	3	0.302941
rs11575939	SH3BGR	21	39745772	4	3.108069
rs661650	C21orf88	21	39891491	5	1.356498
rs661650	C21orf88	21	39891491	1	2.182635
rs3746887	B3GALT5	21	39954610	1	3.858142
rs3746887	B3GALT5	21	39954610	6	1.516773
rs3746887	B3GALT5	21	39954610	7	3.581759
rs3746887	B3GALT5	21	39954610	4	1.258794
rs734413	B3GALT5	21	39954674	1	3.843896
rs734413	B3GALT5	21	39954674	6	0.781248
rs734413	B3GALT5	21	39954674	7	1.703024



rs734413	B3GALT5	21	39954674	4	0.420529
rs734412	B3GALT5	21	39954932	4	3.856513
rs734412	B3GALT5	21	39954932	5	2.230592
rs909182	B3GALT5	21	39955686	1	3.004651
rs909182	B3GALT5	21	39955686	5	1.94111
rs909182	B3GALT5	21	39955686	6	0.082255
rs909182	B3GALT5	21	39955686	2	1.960117
rs2837109	B3GALT5	21	39956085	7	3.024134
rs2837109	B3GALT5	21	39956085	2	1.132764
rs2837109	B3GALT5	21	39956085	5	3.457889
rs2837109	B3GALT5	21	39956085	4	0.573508
rs2205204	IGSF5	21	40059377	2	1.685037
rs2205204	IGSF5	21	40059377	8	0.86064
rs2837225	IGSF5	21	40087332	7	2.291572
rs16999204	DSCAM	21	40337936	2	5.893862
rs16999204	DSCAM	21	40337936	5	1.035632
rs2297270	DSCAM	21	40647500	8	0.972174
rs757368	FAM3B	21	41651461	7	0.626718
rs757368	FAM3B	21	41651461	6	0.168836
rs464138	MX1	21	41720043	1	0.564913
rs464138	MX1	21	41720043	7	0.913577
rs3787950	TMPRSS2	21	41788166	6	0.081303
rs3787950	TMPRSS2	21	41788166	7	0.783122
rs6586229	C21orf129	21	42006214	5	2.668291
rs6586229	C21orf129	21	42006214	4	0.619785
rs6586229	C21orf129	21	42006214	3	1.41911
rs6586229	C21orf129	21	42006214	7	1.812789
rs13050509	RIPK4	21	42033326	1	4.86036
rs13050509	RIPK4	21	42033326	4	0.165104
rs1054756	LOC728766	21	42091933	1	5.625651
rs9981428	LOC728766	21	42093947	3	0.486823
rs9981428	LOC728766	21	42093947	8	5.901718
rs2236693	LOC728766	21	42094060	8	7.222055
rs9983923	LOC728766	21	42094180	3	0.426361
rs2236694	PRDM15	21	42094624	1	6.562256
rs4075967	PRDM15	21	42109245	1	0.546829
rs4075967	PRDM15	21	42109245	3	0.304714
rs2839402	C2CD2	21	42180969	1	4.421668
rs2839402	C2CD2	21	42180969	4	1.215989
rs17177111	C2CD2	21	42181439	3	0.848879
rs17177111	C2CD2	21	42181439	4	0.688985
rs220111	C21orf128	21	42397010	1	3.288335
rs220111	C21orf128	21	42397010	6	3.961671
rs11701371	C21orf128	21	42397041	7	2.662716
SNP21-4240407	UMODL1	21	42404077	6	1.876355
rs220146	UMODL1	21	42412362	3	0.559841
rs220146	UMODL1	21	42412362	1	0.687874

rs220159	UMODL1	21	42420942	2	0.575365
rs220159	UMODL1	21	42420942	1	1.219035
rs220159	UMODL1	21	42420942	8	1.123552
rs220159	UMODL1	21	42420942	4	0.329071
rs3819141	UMODL1	21	42430628	8	0.195358
rs915842	ABCG1	21	42552582	3	0.508932
rs915843	ABCG1	21	42552623	2	2.124485
rs915843	ABCG1	21	42552623	3	0.24545
rs2156310	TFF1	21	42659675	1	4.729375
rs2839501	TMPRSS3	21	42678706	4	1.440536
rs2839501	TMPRSS3	21	42678706	3	1.395608
rs2277798	UBASH3A	21	42697175	3	1.197805
rs13052676	UBASH3A	21	42725301	8	0.166732
rs2839536	RSPH1	21	42778956	3	1.070458
rs2839536	RSPH1	21	42778956	8	4.827988
rs2839536	RSPH1	21	42778956	1	5.412524
rs2839536	RSPH1	21	42778956	5	0.516546
rs1573413	RSPH1	21	42789408	8	2.081141
rs1573413	RSPH1	21	42789408	1	4.62875
rs1573413	RSPH1	21	42789408	3	1.927033
rs1573413	RSPH1	21	42789408	5	1.92449
rs228104	SLC37A1	21	42859024	4	0.038293
rs2156316	WDR4	21	43142894	5	4.164802
rs2156316	WDR4	21	43142894	7	6.465694
rs15736	WDR4	21	43146927	5	0.016132
rs15736	WDR4	21	43146927	7	0.358535
rs2248490	WDR4	21	43166813	4	0.868323
rs2248490	WDR4	21	43166813	5	0.585826
rs2248490	WDR4	21	43166813	7	0.586558
rs10595	NDUFV3	21	43197434	4	4.556444
rs10595	NDUFV3	21	43197434	5	2.704644
rs10595	NDUFV3	21	43197434	7	0.246309
rs10595	NDUFV3	21	43197434	6	1.098871
rs10595	NDUFV3	21	43197434	8	1.763103
rs17179001	PKNOX1	21	43324126	6	0.106629
rs17179001	PKNOX1	21	43324126	3	0.855308
rs234736	PKNOX1	21	43324981	8	3.524007
rs234736	PKNOX1	21	43324981	5	0.761018
rs234736	PKNOX1	21	43324981	2	4.036571
rs2839628	PKNOX1	21	43325937	8	0.030293
rs2839628	PKNOX1	21	43325937	6	6.98023
rs2839628	PKNOX1	21	43325937	3	0.521814
rs234740	PKNOX1	21	43326017	5	0.196406
rs234740	PKNOX1	21	43326017	2	4.072018
rs1801181	CBS	21	43353685	6	0.215847
rs1801181	CBS	21	43353685	3	0.092468
rs1801181	CBS	21	43353685	1	2.183872

rs564779	FLJ41733	21	43609850	2	0.192807
rs564779	FLJ41733	21	43609850	5	0.411437
rs28510483	SNF1LK	21	43663336	2	3.249763
rs11088981	C21orf125	21	43694578	2	0.724234
rs2838304	C21orf125	21	43697445	3	1.031845
rs2838304	C21orf125	21	43697445	7	0.431758
rs2838304	C21orf125	21	43697445	5	0.670729
rs2838343	HSF2BP	21	43902463	2	1.247691
rs2838343	HSF2BP	21	43902463	5	1.056612
rs2838343	HSF2BP	21	43902463	1	1.675488
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rs3204323	PDXK	21	44005136	4	3.465141
rs3194230	PDXK	21	44005617	4	0.729936
rs4566449	RRP1	21	44043952	8	4.332622
rs4566449	RRP1	21	44043952	5	0.56321
rs4566449	RRP1	21	44043952	1	1.067612
rs4566449	RRP1	21	44043952	4	0.190629
rs4566449	RRP1	21	44043952	2	0.667285
rs13847	AGPAT3	21	44227248	1	5.438264
rs2838476	TMEM1	21	44304140	4	0.247055
rs2187313	PWP2	21	44369022	4	5.735649
rs2838497	C21orf33	21	44389194	4	0.476312
rs4819388	ICOSLG	21	44471849	2	1.443518
rs4819388	ICOSLG	21	44471849	6	3.813384
rs4819388	ICOSLG	21	44471849	1	0.189151
rs15927	ICOSLG	21	44472074	7	0.460608
rs15927	ICOSLG	21	44472074	1	4.671486
SNP21-44481202	ICOSLG	21	44481202	1	4.217488
SNP21-44481202	ICOSLG	21	44481202	6	4.264737
SNP21-44481202	ICOSLG	21	44481202	4	0.639944
rs1055311	AIRE	21	44533996	3	0.705167
rs1055311	AIRE	21	44533996	2	0.131515
rs1800522	AIRE	21	44541978	1	1.25634
rs1800522	AIRE	21	44541978	3	1.098836
rs1800522	AIRE	21	44541978	5	0.55664
rs1057037	PFKL	21	44558295	4	3.996035
rs1057037	PFKL	21	44558295	1	4.540667
rs1556314	TRPM2	21	44635771	7	0.987044
rs1556314	TRPM2	21	44635771	5	0.319185
SNP21-44644624	TRPM2	21	44644624	3	0.114784
rs3804034	LRR3	21	44703065	6	2.953092
rs3804034	LRR3	21	44703065	1	0.471262
rs3804034	LRR3	21	44703065	3	0.560562
rs3804034	LRR3	21	44703065	5	0.436065
rs12483730	KRTAP12-2	21	44910885	3	1.780036
rs12483730	KRTAP12-2	21	44910885	1	2.447822
rs235314	PTTG1IP	21	45095880	2	6.524337

rs235373	PTTG1IP	21	45118120	7	0.577884
rs5030671	ITGB2	21	45137870	1	4.365287
rs11088969	ITGB2	21	45155102	8	3.224064
rs11088969	ITGB2	21	45155102	7	5.317015
rs2070947	ITGB2	21	45165271	5	0.297784
rs2070947	ITGB2	21	45165271	3	2.798037
rs2070947	ITGB2	21	45165271	8	0.542921
rs13048147	LOC728004	21	45241889	5	0.676723
rs13048147	LOC728004	21	45241889	7	1.613577
rs2255774	POFUT2	21	45508279	5	0.659352
rs2255774	POFUT2	21	45508279	3	0.881908
rs2255774	POFUT2	21	45508279	1	4.233137
rs2256000	POFUT2	21	45510337	5	0.183503
rs2256000	POFUT2	21	45510337	1	2.946824
rs6518220	POFUT2	21	45510922	6	0.33749
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rs2838861	POFUT2	21	45511047	5	0.536416
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rs2838862	POFUT2	21	45511154	5	4.158053
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rs2297285	POFUT2	21	45530049	1	0.386999
rs2297285	POFUT2	21	45530049	5	5.548378
rs2297285	POFUT2	21	45530049	3	0.575296
rs6518223	C21orf86	21	45538977	1	2.616377
rs7282557	C21orf86	21	45539014	7	1.854304
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rs11701479	C21orf123	21	45665756	5	0.815921
rs11701479	C21orf123	21	45665756	8	0.267613
rs2236451	COL18A1	21	45700511	3	0.357329
rs2236451	COL18A1	21	45700511	5	0.15311
rs2230688	COL18A1	21	45720740	3	0.380753
rs11702425	COL18A1	21	45732783	5	0.952612
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rs12483761	COL18A1	21	45751917	8	0.068643
rs12483761	COL18A1	21	45751917	6	0.025635
rs2838952	COL18A1	21	45754591	7	0.180822
rs12659	SLC19A1	21	45775984	2	3.476315
rs12659	SLC19A1	21	45775984	4	3.014532
rs1051266	SLC19A1	21	45782222	4	4.683443
rs11089032	PCBP3	21	46186498	3	0.306321

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rs438651	PCBP3	21	46186652	7	0.57961
rs438651	PCBP3	21	46186652	4	1.372394
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rs2070426	PCNT	21	46674912	3	0.703104
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rs7283507	DIP2A	21	46743090	6	0.852623
rs4818845	DIP2A	21	46790444	6	0.042272
rs2248636	DIP2A	21	46810083	3	0.456485
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rs1024732	GAB4	22	15823381	3	0.299434
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rs879577	IL17RA	22	15969209	4	0.246643
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rs879575	IL17RA	22	15969567	1	3.439289
rs9605220	CECR6	22	15980148	5	0.938407
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rs35665085	CECR5	22	16005915	2	4.308209
rs7285896	CECR1	22	16041791	2	2.486618
rs2231495	CECR1	22	16049306	3	0.249202
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rs5746826	TBX1	22	18147051	3	0.536165
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rs1548411	P2RXL1	22	19707301	5	0.034947
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rs5760062	DERL3	22	22508590	7	0.46184
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rs7288201	GGTLA1	22	22951293	4	0.482008
rs2275984	GGTLA1	22	22952648	1	1.007722

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rs7678	SPECC1L	22	23143165	7	0.08193
rs3176991	SNRPD3	22	23294128	2	3.774524
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rs9624586	TOP1P2	22	23490785	1	3.125689
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rs5760637	PIWIL3	22	23500297	3	0.28954
rs9624633	SGSM1	22	23600455	4	0.752592
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rs5760738	SGSM1	22	23650371	4	0.523002
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rs5760738	SGSM1	22	23650371	1	1.223836
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rs5996792	SGSM1	22	23650738	7	0.16705
rs5996792	SGSM1	22	23650738	1	1.32413
rs5996792	SGSM1	22	23650738	2	2.010172
rs5996792	SGSM1	22	23650738	4	2.998389
rs5996793	SGSM1	22	23650814	4	5.573857
rs5996793	SGSM1	22	23650814	1	1.080309
rs5996793	SGSM1	22	23650814	7	0.241699
rs5760739	SGSM1	22	23651787	1	0.892087
rs5760739	SGSM1	22	23651787	4	0.394441
rs5760739	SGSM1	22	23651787	2	1.341635
rs5760739	SGSM1	22	23651787	7	0.910338
rs13054858	NULL	22	23754579	3	0.552387
rs12168578	NULL	22	23903431	5	1.683644
rs133201	LRP5L	22	24087268	1	3.298269
SNP22-24487068	MYO18B	22	24487068	3	1.466982
rs13058434	MYO18B	22	24494413	2	2.170836
rs738643	MYO18B	22	24524045	6	0.760246
rs17704912	MYO18B	22	24561312	3	0.415261
rs17704912	MYO18B	22	24561312	7	0.508512
rs5761268	MYO18B	22	24569850	7	0.419651
rs2236005	MYO18B	22	24752980	8	0.832305
rs2014410	HPS4	22	25190269	5	0.10924

rs2014410	HPS4	22	25190269	7	0.582441
rs2014410	HPS4	22	25190269	6	0.428372
rs9613187	HPS4	22	25205370	3	1.224769
rs9613187	HPS4	22	25205370	5	1.925183
rs9613187	HPS4	22	25205370	6	0.829276
rs1045523	SRRD	22	25217829	4	2.924552
rs3213558	TFIP11	22	25238433	8	1.069436
rs3213558	TFIP11	22	25238433	5	0.273025
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rs17476776	MN1	22	26475605	5	0.43082
rs1062731	PITPNB	22	26578840	6	6.057669
rs470098	TTC28	22	26707083	3	0.655864
rs470101	TTC28	22	26719453	3	0.45018
rs9625408	TTC28	22	26834183	3	1.341038
SNP22-27512169	CCDC117	22	27512169	3	0.547285
rs12321	ZNRF3	22	27783193	2	0.039709
rs12321	ZNRF3	22	27783193	8	0.019664
rs132280	KREMEN1	22	27870920	3	0.965475
rs132280	KREMEN1	22	27870920	8	0.82266
rs465736	RFPL1	22	28164766	2	1.133009
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rs465736	RFPL1	22	28164766	3	0.46232
rs16987627	RFPL1	22	28165060	4	0.440103
rs16987627	RFPL1	22	28165060	8	0.274587
rs5763240	RFPL1S	22	28166926	1	1.550083
rs5763240	RFPL1S	22	28166926	4	0.826787
rs5763240	RFPL1S	22	28166926	3	0.397672
rs3804076	RFPL1	22	28167537	6	8.632973
rs3804076	RFPL1	22	28167537	7	0.316715
rs3804076	RFPL1	22	28167537	3	0.631663
rs3804076	RFPL1	22	28167537	1	4.26742
rs3804076	RFPL1	22	28167537	5	0.405072
rs3804076	RFPL1	22	28167537	8	1.381248
rs1049534	THOC5	22	28238072	7	0.171628
rs737976	THOC5	22	28243272	4	0.040586
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rs737976	THOC5	22	28243272	7	0.369701
rs469189	THOC5	22	28279509	1	0.769102
rs469189	THOC5	22	28279509	2	0.568916
rs469189	THOC5	22	28279509	4	4.10886
rs8140096	NF2	22	28421765	2	3.035624
rs2530680	NF2	22	28421999	3	0.122954
rs5997507	CABP7	22	28455596	5	1.692595
rs28265	ASCC2	22	28530761	8	4.91979
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rs11549795	ASCC2	22	28551120	3	0.572889

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rs737812	LIF	22	28969110	5	0.362811
rs4823086	TBC1D10A	22	29018659	3	0.744876
rs10376	SF3A1	22	29058356	2	5.914762
rs740222	LOC550631	22	29091940	1	1.200393
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rs740223	LOC550631	22	29092140	1	5.648201
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rs2286442	LOC550631	22	29102686	1	4.405575
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rs2286442	LOC550631	22	29102686	5	0.843287
rs5997629	RNF215	22	29112089	1	2.336077
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rs757660	SEC14L2	22	29123137	8	0.610008
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rs9606726	MTP18	22	29153250	3	0.479618
rs4820853	SEC14L3	22	29194610	7	2.028617
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rs13750	SEC14L4	22	29215100	6	0.285402
rs17670808	SEC14L4	22	29215980	6	1.607775
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rs5753190	LOC730005	22	29264816	7	0.884425
rs2267161	GAL3ST1	22	29283295	3	1.425606
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rs9606756	TCN2	22	29336860	4	0.961182
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rs1131603	TCN2	22	29348975	1	4.117716
rs4820889	TCN2	22	29349044	4	0.272263
rs9609038	DUSP18	22	29388394	1	5.590133
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rs2240431	PIB5PA	22	29851850	4	0.655483
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rs12171042	SFI1	22	30341225	1	3.721607
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rs17683011	SLC5A1	22	30775946	1	0.66529
rs17683430	SLC5A1	22	30817700	1	4.161695
rs17683448	SLC5A1	22	30817744	1	5.202789
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rs11912802	SYN3	22	31239251	8	8.392834
rs16992034	LARGE	22	31999492	5	0.133987
rs17722172	LARGE	22	32000584	5	0.706406
rs16992986	LARGE	22	32487526	3	1.446968
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rs3810619	ISX	22	33811776	1	1.355033
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rs1476000	LOC284912	22	34353386	2	1.658749
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rs6000173	APOL4	22	34917169	3	0.455651
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rs9619597	APOL2	22	34952768	1	4.760845
rs7285167	APOL2	22	34953866	1	5.54157
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rs139999	TXN2	22	35193321	3	0.295687
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rs9622410	EIF3D	22	35251998	8	0.836807
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rs2235321	TMPRSS6	22	35792872	4	1.552634
rs2235321	TMPRSS6	22	35792872	8	1.773462



rs855791	TMPRSS6	22	35792882	7	0.858131
rs855791	TMPRSS6	22	35792882	4	0.725046
rs2235324	TMPRSS6	22	35815670	5	0.310523
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rs228942	IL2RB	22	35854565	7	1.108039
rs229517	C1QTNF6	22	35907683	7	0.135285
rs229526	C1QTNF6	22	35911368	6	1.845059
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rs3213557	PSCD4	22	36008511	5	1.587063
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rs3203726	PSCD4	22	36039959	7	1.181974
rs3203726	PSCD4	22	36039959	3	0.70007
rs3203726	PSCD4	22	36039959	6	0.795349
rs3203727	PSCD4	22	36040077	2	4.981956
rs3203728	PSCD4	22	36040123	6	0.558315
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rs2284051	PSCD4	22	36040515	4	3.476804
rs2284051	PSCD4	22	36040515	7	1.167506
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rs2284051	PSCD4	22	36040515	8	0.111607
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rs1076934	ELFN2	22	36096142	7	0.626066
rs8142615	ELFN2	22	36100012	7	3.43466
rs8142615	ELFN2	22	36100012	8	3.560552
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rs2071856	ELFN2	22	36100576	7	1.256957
rs2071856	ELFN2	22	36100576	5	1.108882
rs2071857	ELFN2	22	36101104	7	1.470528
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rs3817805	CARD10	22	36230708	8	0.094173
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SNP22-36376641	SH3BP1	22	36376641	8	1.188877
SNP22-36376641	SH3BP1	22	36376641	7	0.243308
SNP22-36381945	SH3BP1	22	36381945	4	9.482065
SNP22-36381945	SH3BP1	22	36381945	7	0.055902
rs9610841	TRIOBP	22	36451098	4	1.130537
rs9610841	TRIOBP	22	36451098	1	5.422587
rs7284476	TRIOBP	22	36459278	1	0.582689
rs8140207	TRIOBP	22	36460405	8	1.323381
rs8140207	TRIOBP	22	36460405	4	0.59959
rs8140207	TRIOBP	22	36460405	1	1.494126
rs3091367	ANKRD54	22	36557767	1	4.895157
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rs3091367	ANKRD54	22	36557767	4	0.841962
rs2076371	SLC16A8	22	36804642	8	0.488346
rs2076371	SLC16A8	22	36804642	3	0.898405
rs2076371	SLC16A8	22	36804642	1	0.504754
rs2235573	SLC16A8	22	36807876	3	1.375684
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rs2235573	SLC16A8	22	36807876	8	1.454865
rs2235573	SLC16A8	22	36807876	1	3.879891
rs11570768	PLA2G6	22	36837927	6	5.023196
rs11570597	PLA2G6	22	36907701	7	1.20681

rs2269608	KCNJ4	22	37152467	6	1.147159
rs2269608	KCNJ4	22	37152467	3	0.932594
rs2269608	KCNJ4	22	37152467	1	5.476683
rs196059	KCNJ4	22	37153082	3	3.123494
rs196059	KCNJ4	22	37153082	5	1.10687
rs2071887	KDEL3	22	37208956	7	0.558286
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rs6001185	LOC646851	22	37382101	2	3.32735
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rs6001185	LOC646851	22	37382101	7	1.107373
rs5750669	TOMM22	22	37410584	3	0.526419
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rs5750669	TOMM22	22	37410584	2	5.391488
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rs7288826	NPTXR	22	37544720	2	0.260524
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rs2235135	NPTXR	22	37546613	4	0.196402
rs8140217	NPTXR	22	37547947	1	0.883033
rs8140217	NPTXR	22	37547947	5	1.529969
rs8140217	NPTXR	22	37547947	7	2.137494
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rs5757299	NPTXR	22	37552598	5	1.030271
rs5757299	NPTXR	22	37552598	4	0.698471
rs5757299	NPTXR	22	37552598	6	5.417735
rs7584	APOBEC3C	22	37744645	3	0.137644
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rs7584	APOBEC3C	22	37744645	7	0.890817
rs7584	APOBEC3C	22	37744645	5	6.908636
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rs5750728	APOBEC3F	22	37770095	7	1.878556
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rs139272	LOC651158	22	37817611	6	1.02475
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rs139273	LOC651158	22	37817665	7	2.097912
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rs139274	LOC651158	22	37817668	7	0.357167
rs139274	LOC651158	22	37817668	4	1.898367

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rs139317	APOBEC3H	22	37829848	7	0.09797
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rs710191	CBX7	22	37857760	3	0.705948
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rs139383	CBX7	22	37857855	4	0.179907
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rs139384	CBX7	22	37857881	4	0.59759
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rs139384	CBX7	22	37857881	7	5.486482
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rs713841	CBX7	22	37858975	6	2.794394
rs713841	CBX7	22	37858975	4	1.083172
rs713841	CBX7	22	37858975	5	0.560615
rs11089928	CBX7	22	37859375	4	6.496216
rs1010170	SYNGR1	22	38108273	4	1.040675
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rs1043395	SYNGR1	22	38110907	4	6.15613
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rs71948	RANGAP1	22	39975703	6	0.696384
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rs139509	RANGAP1	22	39982679	1	3.613522
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rs8139784	RANGAP1	22	40011960	2	0.914614
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rs17365991	TEF	22	40120125	3	0.480062
rs1799932	ACO2	22	40241471	1	0.224905
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rs17848337	SREBF2	22	40630894	2	0.804958
rs710194	3-Sep	22	40722506	3	0.702131
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rs2301521	WBP2NL	22	40753056	3	0.040477
rs2301521	WBP2NL	22	40753056	4	7.001214
rs11703233	NAGA	22	40784533	2	1.64746
rs13057094	FAM109B	22	40800263	3	2.108105
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rs2743456	CYP2D7P1	22	40866257	8	1.474566
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rs731026	NFAM1	22	41109823	7	0.231048
rs34963472	NFAM1	22	41113014	7	0.45285

rs5996153	NFAM1	22	41123817	7	1.382951
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rs137088	POLDIP3	22	41311834	3	0.217911
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rs9607957	ARFGAP3	22	41548341	2	2.298643
rs5759013	PACSIN2	22	41619417	5	1.31676
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rs5759125	TTLL1	22	41785376	4	0.715033
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rs8141450	EFCAB6	22	42410978	7	0.666518
rs137794	EFCAB6	22	42411013	5	0.440836
rs137794	EFCAB6	22	42411013	6	0.023744
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rs5764214	EFCAB6	22	42414775	4	0.271789
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rs138129	PNPLA5	22	42607438	4	1.792388
rs138129	PNPLA5	22	42607438	2	1.603799
rs470093	PNPLA5	22	42607504	4	1.137066
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rs470093	PNPLA5	22	42607504	3	0.403221
rs2071884	PNPLA5	22	42618395	5	0.831355

rs2071884	PNPLA5	22	42618395	7	0.848959
rs2071884	PNPLA5	22	42618395	1	1.262566
SNP22-42654303	PNPLA3	22	42654303	1	5.374588
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rs1007863	PARVB	22	42726784	1	4.705874
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rs11090626	LL22NC03-75B3.6	22	42971233	4	0.73205
rs16991711	LL22NC03-75B3.6	22	42974662	3	0.339247
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rs6519899	ARHGAP8	22	43637314	5	0.327112
rs6519899	ARHGAP8	22	43637314	8	5.144756

rs5766149	PHF21B	22	43656366	5	0.041601
rs5766149	PHF21B	22	43656366	3	0.227242
rs762980	PHF21B	22	43656773	4	1.972827
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rs1135360	UPK3A	22	44063666	3	0.336773
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rs3747239	SMC1B	22	44118790	8	1.16223
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rs2142661	RIBC2	22	44200573	3	1.722556
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SNP22-44828555	C22orf26	22	44828555	3	0.074777
SNP22-44828555	C22orf26	22	44828555	7	0.315281



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rs8135478	FLJ27365	22	44860649	2	2.909561
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rs6007740	PKDREJ	22	45032987	2	3.06833
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rs6008384	PKDREJ	22	45034612	2	1.718997
rs6008384	PKDREJ	22	45034612	7	2.902398
rs7291444	PKDREJ	22	45034910	7	1.570808
rs7291444	PKDREJ	22	45034910	1	1.896419
rs7291444	PKDREJ	22	45034910	2	0.714832
rs6519993	PKDREJ	22	45035143	1	1.601282
rs6519993	PKDREJ	22	45035143	7	1.70974
rs6519994	PKDREJ	22	45035469	1	1.521714
rs6519994	PKDREJ	22	45035469	2	2.611752
rs35883013	FLJ20699	22	45059805	5	0.804831
rs6008598	GTSE1	22	45082907	2	0.169778
rs6008598	GTSE1	22	45082907	1	0.230277
rs6008598	GTSE1	22	45082907	7	1.186186
rs6008684	GTSE1	22	45097764	7	0.799582
rs6008684	GTSE1	22	45097764	1	0.279091
rs6008684	GTSE1	22	45097764	2	1.545219
rs6008684	GTSE1	22	45097764	5	0.08857
rs9615949	GTSE1	22	45101195	7	0.835572
rs9615949	GTSE1	22	45101195	1	1.058035
rs6008729	GTSE1	22	45106092	1	0.260069
rs6008729	GTSE1	22	45106092	2	0.204246
rs6008729	GTSE1	22	45106092	7	6.639506
rs9615348	GTSE1	22	45108002	1	0.413007
rs9615348	GTSE1	22	45108002	2	4.577433
rs11090865	TRMU	22	45110353	2	1.416243
rs11090865	TRMU	22	45110353	1	0.712194
rs11090865	TRMU	22	45110353	7	1.304255
rs6007891	CELSR1	22	45135497	3	0.41939
rs6007891	CELSR1	22	45135497	1	4.17879

rs6007891	CELSR1	22	45135497	7	4.002978
SNP22-45138750	CELSR1	22	45138750	4	0.572254
SNP22-45138750	CELSR1	22	45138750	1	5.278499
SNP22-45138750	CELSR1	22	45138750	3	0.701874
SNP22-45138750	CELSR1	22	45138750	7	0.163439
SNP22-45139145	CELSR1	22	45139145	3	0.140683
SNP22-45139145	CELSR1	22	45139145	4	0.8608
SNP22-45139145	CELSR1	22	45139145	7	9.470546
SNP22-45139145	CELSR1	22	45139145	5	0.28268
SNP22-45139145	CELSR1	22	45139145	1	10.18617
rs4044210	CELSR1	22	45164979	7	1.04686
rs4044210	CELSR1	22	45164979	3	0.183916
rs4044210	CELSR1	22	45164979	1	5.885251
SNP22-45208041	CELSR1	22	45208041	5	7.8547
rs17761627	DIP	22	45452525	2	1.635866
rs17761627	DIP	22	45452525	7	0.491342
rs17761627	DIP	22	45452525	5	0.969181
rs2748343	DIP	22	45452539	5	0.680357
rs2748343	DIP	22	45452539	1	0.155767
rs2748343	DIP	22	45452539	7	0.411384
rs2748343	DIP	22	45452539	8	0.719262
rs1047123	CERK	22	45459465	8	7.818617
rs1047123	CERK	22	45459465	7	0.21746
rs1047123	CERK	22	45459465	1	6.464611
rs801719	CERK	22	45461009	7	4.353339
rs801719	CERK	22	45461009	4	0.061242
rs801719	CERK	22	45461009	1	4.524921
rs801719	CERK	22	45461009	5	0.99781
rs13057352	CERK	22	45473899	8	0.380528
rs13057352	CERK	22	45473899	4	0.730205
rs12166204	CERK	22	45495569	3	0.233965
rs15411	TBC1D22A	22	45948269	8	3.670032
rs15411	TBC1D22A	22	45948269	4	0.099244
rs15411	TBC1D22A	22	45948269	6	0.267803
rs877528	RP11-191L9.1	22	46399650	2	1.852622
rs761880	RP11-191L9.1	22	46405418	1	0.709697
SNP22-47531934	FAM19A5	22	47531934	8	7.66422
SNP22-47531934	FAM19A5	22	47531934	7	0.177113
rs2688173	LOC643653	22	47996161	3	0.34212
rs2688173	LOC643653	22	47996161	5	1.051371
rs2688173	LOC643653	22	47996161	6	0.881838
SNP22-48573857	BRD1	22	48573857	6	0.451264
SNP22-48573857	BRD1	22	48573857	1	5.789783
rs910798	ZBED4	22	48664442	7	0.020047
rs910798	ZBED4	22	48664442	1	5.830425
rs910798	ZBED4	22	48664442	3	0.401575
rs5770755	ZBED4	22	48666140	7	0.440661

rs5770755	ZBED4	22	48666140	3	0.606691
rs1608	CRELD2	22	48706947	1	3.096614
SNP22-48742697	PIM3	22	48742697	7	8.863169
SNP22-48742697	PIM3	22	48742697	1	4.05509
SNP22-48742697	PIM3	22	48742697	3	0.466602
SNP22-48777607	IL17REL	22	48777607	1	0.573916
rs738333	RP3-355C18.2	22	48811034	2	2.558283
rs738333	RP3-355C18.2	22	48811034	6	1.999373
rs738333	RP3-355C18.2	22	48811034	3	1.147014
rs137919	MLC1	22	48842091	5	0.096487
rs137919	MLC1	22	48842091	3	1.060139
rs6010165	MLC1	22	48857400	5	3.307328
rs9617066	MOV10L1	22	48872628	7	1.70219
rs9617066	MOV10L1	22	48872628	5	2.166377
rs9617066	MOV10L1	22	48872628	3	0.584412
rs9617066	MOV10L1	22	48872628	2	0.697115
rs3810971	MOV10L1	22	48888793	3	1.850813
rs2340601	MOV10L1	22	48914600	2	2.724411
rs2340601	MOV10L1	22	48914600	5	3.431693
rs2340601	MOV10L1	22	48914600	3	0.897583
rs2340601	MOV10L1	22	48914600	7	1.816172
rs5771206	PANX2	22	48958933	7	0.444935
rs5771206	PANX2	22	48958933	6	0.426724
rs5771206	PANX2	22	48958933	1	0.706523
rs8238	TRABD	22	48979724	3	0.795362
rs8238	TRABD	22	48979724	7	0.354771
rs8238	TRABD	22	48979724	4	0.086235
rs8238	TRABD	22	48979724	1	5.920382
rs6712	TRABD	22	48980049	2	4.584935
rs6712	TRABD	22	48980049	6	6.27156
rs6712	TRABD	22	48980049	4	7.034979
rs4838865	TUBGCP6	22	49006739	8	6.919021
rs4838865	TUBGCP6	22	49006739	7	3.777059
rs1129880	MAPK12	22	49036424	4	0.470083
rs1129880	MAPK12	22	49036424	2	0.272982
rs1129880	MAPK12	22	49036424	7	4.472261
rs1129880	MAPK12	22	49036424	1	0.422431
rs1129880	MAPK12	22	49036424	5	0.638267
rs2076139	MAPK11	22	49046788	3	0.323926
SNP22-49064261	PLXNB2	22	49064261	6	0.166534
SNP22-49064261	PLXNB2	22	49064261	4	5.601664
SNP22-49064261	PLXNB2	22	49064261	7	6.54146
SNP22-49064261	PLXNB2	22	49064261	3	0.137496
SNP22-49094722	FAM116B	22	49094722	2	4.713101
SNP22-49224010	SAPS2	22	49224010	1	5.178111
rs45484793	SAPS2	22	49225315	1	5.399742
rs743615	LMF2	22	49290994	6	0.789117

rs743615	LMF2	22	49290994	1	0.032627
rs743615	LMF2	22	49290994	3	0.434448
rs743615	LMF2	22	49290994	8	6.703037
rs131824	LMF2	22	49292122	3	0.151842
rs131824	LMF2	22	49292122	8	7.3035
rs131824	LMF2	22	49292122	5	1.215413
rs131824	LMF2	22	49292122	6	6.748809
rs131824	LMF2	22	49292122	7	3.620434
rs131824	LMF2	22	49292122	1	0.165268
rs140523	SCO2	22	49309648	5	0.039632
rs140523	SCO2	22	49309648	7	0.580752
rs140523	SCO2	22	49309648	1	5.050699
rs140523	SCO2	22	49309648	4	6.041282
rs140523	SCO2	22	49309648	6	0.214067
rs1140555	MAPK8IP2	22	49392056	8	0.017296
rs1140555	MAPK8IP2	22	49392056	7	0.9356
rs1140555	MAPK8IP2	22	49392056	1	1.08874
rs6151429	ARSA	22	49410343	8	0.955208
rs6151429	ARSA	22	49410343	5	4.783385
rs6151428	ARSA	22	49410476	2	2.973289
rs743616	ARSA	22	49410905	5	2.401798
rs743616	ARSA	22	49410905	1	2.311667
rs743616	ARSA	22	49410905	8	1.790447
rs743616	ARSA	22	49410905	4	1.129568
rs743616	ARSA	22	49410905	7	0.244269
rs743616	ARSA	22	49410905	3	0.077932
rs743616	ARSA	22	49410905	2	0.582551
rs9616915	SHANK3	22	49464446	7	1.453943
rs9616915	SHANK3	22	49464446	3	1.448756
rs2301584	SHANK3	22	49518363	8	8.991745
rs5939319	XG	X	2710157	5	3.120836
rs2306734	GYG2	X	2787985	7	1.749755
rs2306734	GYG2	X	2787985	3	0.024892
rs211659	GYG2	X	2809479	8	2.374155
rs211659	GYG2	X	2809479	6	0.024567
rs211660	GYG2	X	2810295	7	2.174141
rs211660	GYG2	X	2810295	8	0.003686
rs1269	GYG2	X	2810624	2	1.924928
rs1269	GYG2	X	2810624	5	0.315938
rs1269	GYG2	X	2810624	7	1.186827
rs1269	GYG2	X	2810624	3	1.519249
rs1269	GYG2	X	2810624	1	0.730317
rs1268	GYG2	X	2810677	5	1.527842
rs1268	GYG2	X	2810677	1	1.282567
rs1268	GYG2	X	2810677	7	4.008661
rs1268	GYG2	X	2810677	8	4.199967
rs1268	GYG2	X	2810677	3	0.257463

rs17325750	ARSE	X	2877413	5	2.439202
rs17325750	ARSE	X	2877413	6	0.246818
rs5939407	ARSH	X	2952109	7	1.683248
rs5983003	ARSF	X	3012687	7	1.192013
rs17051478	ARSF	X	3038260	1	0.183144
rs17051478	ARSF	X	3038260	2	2.89537
rs10522044	ARSF	X	3040426	1	0.123499
rs1635242	MXRA5	X	3245724	7	0.139564
rs1635242	MXRA5	X	3245724	1	0.455805
rs1974522	MXRA5	X	3248733	7	0.734225
rs1974522	MXRA5	X	3248733	4	3.406662
rs1974522	MXRA5	X	3248733	1	4.463918
rs1726199	MXRA5	X	3249545	1	2.91273
rs1726199	MXRA5	X	3249545	7	0.548324
rs1635246	MXRA5	X	3250343	4	3.956029
rs1635246	MXRA5	X	3250343	3	0.608123
rs1635246	MXRA5	X	3250343	1	4.151975
rs1635246	MXRA5	X	3250343	5	0.317438
rs1635247	MXRA5	X	3251050	7	0.450333
rs1635247	MXRA5	X	3251050	3	0.690367
rs1635247	MXRA5	X	3251050	1	5.119123
rs1635247	MXRA5	X	3251050	4	1.116888
rs5983119	MXRA5	X	3251256	7	2.262541
rs5983119	MXRA5	X	3251256	1	4.612554
rs5983119	MXRA5	X	3251256	3	0.893599
rs5983119	MXRA5	X	3251256	6	0.616861
rs1635249	MXRA5	X	3251317	6	0.172408
rs1635249	MXRA5	X	3251317	3	0.931134
rs1635249	MXRA5	X	3251317	1	5.933102
rs5916269	NLGN4X	X	5820299	8	7.881012
rs2290488	NLGN4X	X	6155855	4	0.207141
rs2290488	NLGN4X	X	6155855	3	0.524243
rs5916355	LOC729193	X	6158318	2	0.704193
rs1061191	CLCN4	X	10162748	7	1.174158
rs5934817	CLCN4	X	10163188	1	4.727814
rs5934817	CLCN4	X	10163188	7	1.230786
rs3827468	FRMPD4	X	12649215	1	0.073539
rs3827468	FRMPD4	X	12649215	7	0.350742
rs3827468	FRMPD4	X	12649215	3	1.127788
rs3827468	FRMPD4	X	12649215	5	1.010957
rs3827468	FRMPD4	X	12649215	4	0.655694
rs5979716	FRMPD4	X	12649280	3	0.212022
rs17321823	FRMPD4	X	12650039	5	1.742159
rs17321823	FRMPD4	X	12650039	4	2.429685
rs17321823	FRMPD4	X	12650039	1	0.534368
rs179008	TLR7	X	12813580	3	0.312023
rs3747414	TLR8	X	12849333	3	0.924646

rs11095602	NULL	X	12972643	8	1.676295
rs11095602	NULL	X	12972643	6	2.460757
rs11095602	NULL	X	12972643	2	8.163481
rs12391470	LOC645769	X	13579329	3	0.246187
rs12391470	LOC645769	X	13579329	1	0.589807
rs2285635	OFD1	X	13662816	2	2.317328
rs2285635	OFD1	X	13662816	8	4.533257
rs2285635	OFD1	X	13662816	5	1.841141
rs2285635	OFD1	X	13662816	4	2.215153
rs7057480	GEMIN8	X	13954163	4	1.726716
rs7057480	GEMIN8	X	13954163	7	1.625187
rs7057480	GEMIN8	X	13954163	6	2.245188
rs7057480	GEMIN8	X	13954163	2	1.337818
rs7057480	GEMIN8	X	13954163	5	1.147334
rs7057480	GEMIN8	X	13954163	1	1.118225
rs9560	ASB9	X	15172293	8	0.531404
rs9560	ASB9	X	15172293	1	5.461388
rs9560	ASB9	X	15172293	3	0.415493
rs9560	ASB9	X	15172293	4	0.4955
rs9560	ASB9	X	15172293	7	8.149341
rs899646	ASB9	X	15198114	3	0.061328
rs899646	ASB9	X	15198114	5	1.975921
rs899646	ASB9	X	15198114	4	1.694452
rs12011065	FIGF	X	15291342	5	0.66466
rs6632528	FIGF	X	15312319	3	0.708863
rs4986945	GRPR	X	16078388	1	4.091976
rs4986945	GRPR	X	16078388	3	0.719418
rs4986945	GRPR	X	16078388	5	2.212576
rs3747411	GRPR	X	16080998	5	1.537698
rs3747411	GRPR	X	16080998	7	0.255599
rs3747411	GRPR	X	16080998	3	0.289072
rs3747411	GRPR	X	16080998	2	1.612829
rs10521655	GRPR	X	16081261	3	0.672158
rs10521655	GRPR	X	16081261	5	1.312024
rs10521655	GRPR	X	16081261	2	3.358579
rs3213544	SCML2	X	18251955	6	3.165441
rs3213544	SCML2	X	18251955	7	1.807341
rs35478150	CDKL5	X	18548003	1	3.298424
rs12009120	RPS6KA3	X	20114382	3	0.810598
rs12009120	RPS6KA3	X	20114382	5	1.221072
rs178710	PHEX	X	21960955	6	0.201614
rs178710	PHEX	X	21960955	1	3.202358
rs8680	APOO	X	23768373	5	2.662803
rs8680	APOO	X	23768373	2	4.2893
rs8680	APOO	X	23768373	3	2.073978
rs5970618	APOO	X	23835755	2	2.41888
rs5970618	APOO	X	23835755	3	0.947015

rs3761611	PCYT1B	X	24488227	4	0.117261
rs3761611	PCYT1B	X	24488227	8	1.636299
rs3761610	PCYT1B	X	24488472	4	3.358787
rs3761610	PCYT1B	X	24488472	1	0.060388
rs3761610	PCYT1B	X	24488472	8	6.078153
rs10156959	PCYT1B	X	24488724	1	0.453618
rs1207651	PCYT1B	X	24575194	4	0.383285
rs11795624	MAGEB6	X	26120507	7	2.422074
rs6526806	IL1RAPL1	X	28717363	4	5.333054
rs5972091	MAGEB2	X	30147947	3	0.401725
rs5927577	LOC392437	X	30558644	1	3.022529
rs228406	DMD	X	32413115	5	0.317254
rs228406	DMD	X	32413115	1	0.090288
rs3813166	PRRG1	X	37198802	1	5.352497
rs3813166	PRRG1	X	37198802	3	0.626488
rs3126414	NULL	X	37364104	3	1.660849
rs3126414	NULL	X	37364104	1	2.823909
rs3126415	NULL	X	37371012	1	3.751878
rs3126415	NULL	X	37371012	3	0.845879
rs5964151	CYBB	X	37555673	3	0.583629
rs4827331	SYTL5	X	37833776	4	0.032242
rs9934	SRPX	X	37893671	2	1.006561
rs9934	SRPX	X	37893671	6	3.49914
rs9934	SRPX	X	37893671	5	1.640917
rs35318931	SRPX	X	37894065	6	0.273579
rs5917557	RPGR	X	38030855	8	0.078836
rs5917557	RPGR	X	38030855	1	1.3479
rs5917557	RPGR	X	38030855	6	0.221372
rs5917557	RPGR	X	38030855	7	0.405011
rs5917557	RPGR	X	38030855	5	0.058217
rs1801688	RPGR	X	38032114	4	0.986641
rs1801687	RPGR	X	38041621	4	5.855637
rs3269	TSPAN7	X	38433027	4	0.51375
rs3269	TSPAN7	X	38433027	7	2.467841
rs6520683	MED14	X	40458101	5	0.772319
rs4827256	USP9X	X	40978357	6	6.463232
rs4827256	USP9X	X	40978357	7	0.792973
rs4827256	USP9X	X	40978357	2	1.758198
rs4827256	USP9X	X	40978357	1	0.197902
rs3013122	NYX	X	41191808	5	0.676536
rs913602	GPR34	X	41439758	7	3.544208
rs1023065	GPR82	X	41472162	7	2.511885
rs1137070	MAOA	X	43488335	1	4.939524
rs1137070	MAOA	X	43488335	6	0.297655
rs1137070	MAOA	X	43488335	3	0.702198
rs4824526	UTX	X	44823507	2	3.62124
rs4824526	UTX	X	44823507	5	0.291314

rs4824526	UTX	X	44823507	8	6.971386
rs735716	CHST7	X	46342730	1	0.087412
rs735716	CHST7	X	46342730	3	0.375794
rs735716	CHST7	X	46342730	5	2.909397
rs735716	CHST7	X	46342730	2	3.785346
rs6611277	SLC9A7	X	46357770	3	0.865697
rs6611277	SLC9A7	X	46357770	2	3.542849
rs6611277	SLC9A7	X	46357770	1	0.124893
rs6611277	SLC9A7	X	46357770	5	0.191692
rs6611277	SLC9A7	X	46357770	7	1.825891
rs1805147	RP2	X	46604442	3	0.303658
rs11558783	UBA1	X	46947478	2	4.575912
rs11558783	UBA1	X	46947478	1	2.821267
rs2294219	SYN1	X	47351305	6	0.106455
rs2294219	SYN1	X	47351305	1	2.265688
rs1048118	CFP	X	47368744	6	1.983301
rs909713	WASF4	X	47547916	1	3.856986
rs909713	WASF4	X	47547916	3	3.982943
rs909713	WASF4	X	47547916	6	3.962655
rs909713	WASF4	X	47547916	7	5.012244
rs909713	WASF4	X	47547916	4	3.677713
rs1207506	WASF4	X	47548932	1	3.550068
rs1207491	LOC441493	X	47580491	3	1.975377
rs1207491	LOC441493	X	47580491	4	0.445928
rs1207491	LOC441493	X	47580491	1	4.131951
rs1207491	LOC441493	X	47580491	7	0.591428
rs235824	WDR13	X	48341167	7	1.550544
rs2075866	CACNA1F	X	48958908	7	0.321567
rs2075866	CACNA1F	X	48958908	3	2.079887
rs2235127	CACNA1F	X	48968235	3	0.903324
rs2235127	CACNA1F	X	48968235	7	0.846069
rs34162630	CACNA1F	X	48969443	3	0.187739
rs4143304	DGKK	X	50163310	3	0.484148
rs1151715	NUDT10	X	51091891	1	0.465911
rs11091720	GPR173	X	53123590	6	0.790098
rs11091720	GPR173	X	53123590	3	1.738096
rs11091720	GPR173	X	53123590	7	0.435616
rs1264013	RIBC1	X	53474347	3	1.511915
rs1264013	RIBC1	X	53474347	4	0.065718
rs6638360	HUWE1	X	53658372	4	0.612015
rs6638360	HUWE1	X	53658372	3	0.881494
rs17316491	ITIH5L	X	54798255	3	1.495038
rs2301416	APEX2	X	55045588	2	7.994389
rs3126255	USP51	X	55531543	7	0.2172
rs3126255	USP51	X	55531543	2	1.112674
rs5960093	RRAGB	X	55761010	2	2.098377
rs5960093	RRAGB	X	55761010	7	2.156099



rs5960093	RRAGB	X	55761010	6	1.167966
rs2516023	FAAH2	X	57330082	6	3.201441
rs2516023	FAAH2	X	57330082	7	1.21716
rs1367830	FAAH2	X	57491857	8	0.271675
rs1367830	FAAH2	X	57491857	6	0.5135
rs1044165	VSIG4	X	65158451	5	0.213594
rs5919015	HEPH	X	65299410	3	0.147424
rs1028348	HEPH	X	65300888	1	0.950723
rs1028348	HEPH	X	65300888	2	0.66783
rs1028348	HEPH	X	65300888	5	2.292542
rs2254886	OPHN1	X	67182142	7	3.735887
rs2254886	OPHN1	X	67182142	6	0.439993
rs2254886	OPHN1	X	67182142	3	0.270876
rs2254886	OPHN1	X	67182142	4	0.855353
rs2230423	EFNB1	X	67977228	4	0.224384
rs3747463	TMEM28	X	68668446	3	2.338753
rs3747463	TMEM28	X	68668446	6	0.349953
rs2281932	DGAT2L4	X	69177661	1	1.577644
rs2281932	DGAT2L4	X	69177661	4	4.426721
rs2281932	DGAT2L4	X	69177661	6	0.607029
rs2281932	DGAT2L4	X	69177661	2	0.908631
rs3829709	P2RY4	X	69395500	4	0.018053
rs1152187	P2RY4	X	69395667	4	0.199308
rs12857550	ARR3	X	69415207	7	0.799239
rs1130009	LOC158830	X	70240882	1	2.214814
rs1130009	LOC158830	X	70240882	8	2.447598
rs9887370	RGAG4	X	71265868	8	1.986651
rs12393722	RGAG4	X	71266499	4	0.443518
rs12393722	RGAG4	X	71266499	8	3.1861
rs7884806	FLJ44635	X	71296427	4	1.094118
rs7884806	FLJ44635	X	71296427	8	3.911727
rs7884806	FLJ44635	X	71296427	7	1.131847
rs660392	HDAC8	X	71466237	4	0.610423
rs660392	HDAC8	X	71466237	8	2.243211
rs660392	HDAC8	X	71466237	7	1.89792
rs660392	HDAC8	X	71466237	5	1.722284
rs11093407	PABPC1L2A	X	72214266	4	1.623508
rs13789	ITM2A	X	78502870	6	0.600386
rs1113265	FAM46D	X	79585249	3	0.438774
rs1113265	FAM46D	X	79585249	2	2.545795
rs16980188	POF1B	X	84419457	6	3.752724
rs16980188	POF1B	X	84419457	4	1.939018
rs12557804	POF1B	X	84420064	6	1.016476
rs12557804	POF1B	X	84420064	7	2.751752
rs12557804	POF1B	X	84420064	4	0.086725
rs363774	POF1B	X	84449791	7	4.4347
rs363774	POF1B	X	84449791	5	0.341161

rs363774	POF1B	X	84449791	8	1.194619
rs363774	POF1B	X	84449791	3	0.241704
rs363774	POF1B	X	84449791	1	4.819035
rs222084	KLHL4	X	86773900	3	0.496941
rs222084	KLHL4	X	86773900	6	0.649824
rs222084	KLHL4	X	86773900	5	0.306835
rs222113	KLHL4	X	86808742	6	0.394835
rs1045686	NAP1L3	X	92814290	7	1.488733
rs1045686	NAP1L3	X	92814290	8	3.009026
rs2642219	RPA4	X	96026062	4	0.297735
rs2642219	RPA4	X	96026062	2	5.174047
rs1335268	PCDH19	X	99437539	8	2.664425
rs1953337	PCDH19	X	99548625	4	0.747521
rs1953337	PCDH19	X	99548625	1	5.538073
rs1953337	PCDH19	X	99548625	3	1.62501
rs1953337	PCDH19	X	99548625	8	2.622112
rs1802288	TSPAN6	X	99776860	7	2.110357
rs1802288	TSPAN6	X	99776860	1	3.729851
rs1802288	TSPAN6	X	99776860	3	0.224067
rs1343213	SRPX2	X	99785900	6	2.619207
rs1343213	SRPX2	X	99785900	3	0.882294
rs8780	SYTL4	X	99816188	6	0.838586
rs8780	SYTL4	X	99816188	3	0.762102
rs8780	SYTL4	X	99816188	1	3.363814
rs8780	SYTL4	X	99816188	7	5.307539
rs8780	SYTL4	X	99816188	4	0.369398
rs41307262	ARL13A	X	100129192	8	0.675901
rs5921705	CXorf34	X	100152208	2	3.808848
rs4828078	DRP2	X	100402448	6	0.240018
rs4828078	DRP2	X	100402448	7	2.520762
rs4828078	DRP2	X	100402448	8	0.55151
rs6523506	ARMCX4	X	100640066	4	0.105761
rs6523506	ARMCX4	X	100640066	1	4.439317
rs6523506	ARMCX4	X	100640066	7	0.623965
rs7060868	ARMCX4	X	100640519	7	1.165217
rs7060868	ARMCX4	X	100640519	3	0.931148
rs7060868	ARMCX4	X	100640519	1	3.499978
rs7060868	ARMCX4	X	100640519	4	3.923877
rs7060491	ARMCX4	X	100640805	4	1.857247
rs7060491	ARMCX4	X	100640805	1	6.627084
rs7055900	ARMCX1	X	100692287	3	0.233033
rs5944778	ZMAT1	X	101028449	1	5.633508
rs5944778	ZMAT1	X	101028449	3	0.64313
rs5944778	ZMAT1	X	101028449	7	1.522984
rs5944778	ZMAT1	X	101028449	5	1.525506
rs5986812	ZMAT1	X	101030810	3	0.988915
rs5986812	ZMAT1	X	101030810	5	1.251883

rs5986812	ZMAT1	X	101030810	1	4.383883
rs5944883	ZMAT1	X	101031610	7	0.69219
rs1045761	TCEAL7	X	102472558	7	1.224607
rs1045761	TCEAL7	X	102472558	1	0.44862
rs1045761	TCEAL7	X	102472558	2	0.166386
rs1180895	RAB40A	X	102642207	5	1.654544
rs1180895	RAB40A	X	102642207	6	0.76927
rs1126707	PLP1	X	102929538	1	0.525522
rs1126707	PLP1	X	102929538	2	3.800319
rs6621755	LOC644261	X	103069416	3	2.218766
rs6621755	LOC644261	X	103069416	5	1.07713
rs6621755	LOC644261	X	103069416	7	2.115617
rs4907851	LOC644261	X	103070129	1	1.429507
rs4907851	LOC644261	X	103070129	6	0.899098
rs5916825	MCART6	X	103234886	4	2.564691
rs5916825	MCART6	X	103234886	7	2.078362
rs5916825	MCART6	X	103234886	5	2.173869
rs3764765	IL1RAPL2	X	104879619	3	1.465966
rs3764765	IL1RAPL2	X	104879619	7	2.757247
rs3764765	IL1RAPL2	X	104879619	1	1.352584
rs209373	NRK	X	105038938	2	2.725855
rs209373	NRK	X	105038938	5	1.992436
rs209109	NRK	X	105088291	5	1.838054
rs209109	NRK	X	105088291	2	3.854401
rs209111	NRK	X	105089256	5	0.046614
rs17254305	VSIG1	X	107202589	6	0.090439
rs5973851	COL4A6	X	107304386	6	3.85648
rs5973851	COL4A6	X	107304386	2	0.327821
rs5973851	COL4A6	X	107304386	7	2.289137
rs5973851	COL4A6	X	107304386	1	1.563258
rs1042065	COL4A6	X	107320344	1	0.374009
rs1801164	IRS4	X	107863596	7	0.129771
rs1801164	IRS4	X	107863596	2	1.164549
rs1801164	IRS4	X	107863596	6	0.056314
rs12008095	GUCY2F	X	108595208	2	1.865511
rs12008095	GUCY2F	X	108595208	3	1.764079
rs494589	GUCY2F	X	108611792	5	1.116762
rs494589	GUCY2F	X	108611792	3	0.421868
rs5942633	RGAG1	X	109584422	1	3.082878
rs2404177	CHRD1	X	109805537	7	1.123419
rs2404177	CHRD1	X	109805537	1	1.651292
rs5929415	LHFPL1	X	111760922	1	4.577973
rs5929415	LHFPL1	X	111760922	3	0.340747
rs5929415	LHFPL1	X	111760922	4	0.462815
rs7064462	LHFPL1	X	111800900	3	0.144505
rs583430	AMOT	X	111907348	6	0.979412
rs583430	AMOT	X	111907348	4	0.574687

rs583430	AMOT	X	111907348	3	0.635842
rs5194	AGTR2	X	115218858	1	2.51269
rs6603401	WDR44	X	117412170	7	2.728753
rs2286977	DOCK11	X	117584169	3	0.752997
rs2286977	DOCK11	X	117584169	6	1.140302
rs2286977	DOCK11	X	117584169	1	3.644321
rs2286977	DOCK11	X	117584169	7	1.165173
rs2379118	DOCK11	X	117703801	2	0.944315
rs2379118	DOCK11	X	117703801	1	0.870202
rs2186106	DOCK11	X	117703930	1	0.266986
rs2186106	DOCK11	X	117703930	8	1.523467
rs261663	LOC159007	X	117896179	8	4.093395
rs3813933	LONRF3	X	117992813	5	1.945299
rs3813933	LONRF3	X	117992813	3	0.632179
rs217976	SLC25A43	X	118417394	1	0.066502
rs217976	SLC25A43	X	118417394	5	2.291079
rs17261110	SLC25A43	X	118471475	5	2.326039
rs17261110	SLC25A43	X	118471475	1	5.082413
rs17261110	SLC25A43	X	118471475	8	2.23038
rs12390	SLC25A5	X	118488464	2	1.32529
rs2782224	ANKRD58	X	118777165	1	0.223274
rs2782224	ANKRD58	X	118777165	4	1.519198
rs2782224	ANKRD58	X	118777165	2	0.332047
rs2782224	ANKRD58	X	118777165	5	0.892042
rs708463	RNF113A	X	118889733	8	3.841073
rs708463	RNF113A	X	118889733	6	0.249444
rs708463	RNF113A	X	118889733	5	2.05641
rs708463	RNF113A	X	118889733	2	3.476463
rs42889	LAMP2	X	119455569	8	3.39735
rs42889	LAMP2	X	119455569	4	0.524456
rs42889	LAMP2	X	119455569	3	0.442571
rs42889	LAMP2	X	119455569	7	1.667478
rs42889	LAMP2	X	119455569	1	5.741722
rs502434	GRIA3	X	122364958	3	0.923484
rs502434	GRIA3	X	122364958	7	1.460566
rs502434	GRIA3	X	122364958	5	2.516363
rs502434	GRIA3	X	122364958	1	4.936334
rs502434	GRIA3	X	122364958	4	3.175378
rs4825872	LOC402422	X	122524244	1	0.672779
rs4825872	LOC402422	X	122524244	5	0.920333
rs4825872	LOC402422	X	122524244	6	1.919073
rs4825872	LOC402422	X	122524244	4	1.58691
rs17334746	BIRC4	X	122870388	3	1.027217
rs17334746	BIRC4	X	122870388	6	1.546361
rs17334746	BIRC4	X	122870388	5	1.904042
rs17334746	BIRC4	X	122870388	8	1.105364
rs5958343	BIRC4	X	122873953	7	2.256564

rs5958343	BIRC4	X	122873953	6	1.643037
rs5958343	BIRC4	X	122873953	8	2.92487
rs5958343	BIRC4	X	122873953	3	0.787843
rs5958343	BIRC4	X	122873953	5	2.53427
rs5958343	BIRC4	X	122873953	1	4.625594
rs3747343	XPNPEP2	X	128708295	6	3.937833
rs3747343	XPNPEP2	X	128708295	8	2.369955
rs3747343	XPNPEP2	X	128708295	2	2.507631
rs3747343	XPNPEP2	X	128708295	1	2.461047
rs3747343	XPNPEP2	X	128708295	3	1.853408
rs3747343	XPNPEP2	X	128708295	5	2.156586
rs1053486	ZDHC9	X	128766639	3	0.843024
rs3788847	ELF4	X	129027497	5	1.152511
rs3788847	ELF4	X	129027497	2	9.691149
rs1139851	AIFM1	X	129111201	6	1.165619
rs1139851	AIFM1	X	129111201	4	3.072134
rs1139851	AIFM1	X	129111201	2	3.468857
rs608117	ZNF280C	X	129166447	6	3.473417
rs209238	ZNF280C	X	129176976	2	2.897915
rs209238	ZNF280C	X	129176976	4	1.614621
rs1128617	IGSF1	X	130243499	8	1.098027
rs17316625	OR13H1	X	130506277	6	3.047969
rs17316625	OR13H1	X	130506277	3	2.473665
rs17316625	OR13H1	X	130506277	1	4.491384
rs17316625	OR13H1	X	130506277	5	3.980474
rs17316625	OR13H1	X	130506277	4	1.603575
rs3764771	FRMD7	X	131038916	1	3.316298
rs5977623	FRMD7	X	131040193	3	0.268225
rs5977623	FRMD7	X	131040193	1	3.787343
rs5977623	FRMD7	X	131040193	5	0.412815
rs7051368	FRMD7	X	131040625	4	2.002085
rs7051368	FRMD7	X	131040625	8	0.985838
rs2498769	LOC644538	X	133954060	3	0.3868
rs2498769	LOC644538	X	133954060	8	1.03456
rs2498769	LOC644538	X	133954060	1	2.591888
rs2498769	LOC644538	X	133954060	6	0.175599
rs2498769	LOC644538	X	133954060	7	1.482352
rs7042	ZNF75	X	134247673	6	0.344817
rs1419828	ZNF75	X	134305279	6	0.292013
rs1419828	ZNF75	X	134305279	3	1.52113
rs1419828	ZNF75	X	134305279	5	2.164535
rs1419828	ZNF75	X	134305279	1	4.7698
rs4829799	SAGE1	X	134821671	1	3.271692
rs4829799	SAGE1	X	134821671	4	2.240966
rs2273221	MAP7D3	X	135138451	6	0.249328
rs2273221	MAP7D3	X	135138451	2	2.313089
rs2273221	MAP7D3	X	135138451	3	1.464105

rs2273221	MAP7D3	X	135138451	4	1.325892
rs4829830	GPR112	X	135257169	5	0.422815
rs4829830	GPR112	X	135257169	3	0.086171
rs912002	GPR112	X	135258149	3	0.322406
rs5930933	GPR112	X	135259024	2	0.612298
rs5930933	GPR112	X	135259024	5	0.950442
rs5930942	GPR112	X	135324064	3	0.242285
rs440051	F9	X	138472583	2	1.25589
rs1051619	MCF2	X	138507378	2	3.050274
rs1051619	MCF2	X	138507378	1	0.052001
rs1051619	MCF2	X	138507378	8	3.345889
rs1051619	MCF2	X	138507378	3	1.283147
rs1051619	MCF2	X	138507378	7	2.888499
rs2239837	LOC645188	X	140542435	3	0.023313
rs3765272	MAGEC2	X	141118531	1	3.295912
rs3765272	MAGEC2	X	141118531	3	2.590793
rs3765272	MAGEC2	X	141118531	2	3.575717
rs3765272	MAGEC2	X	141118531	7	3.14167
rs3765272	MAGEC2	X	141118531	5	3.880769
rs237520	UBE2NL	X	142795134	3	2.413794
rs237520	UBE2NL	X	142795134	4	3.879593
rs3810704	SLITRK2	X	144711944	8	1.841287
rs3810704	SLITRK2	X	144711944	5	0.381243
rs3810704	SLITRK2	X	144711944	2	3.969761
rs12011040	AFF2	X	147842900	2	3.372488
rs6641482	AFF2	X	147887801	7	0.030808
rs10126316	MAGEA11	X	148575735	1	0.778607
rs5925425	CD99L2	X	149687406	1	4.230178
rs5925425	CD99L2	X	149687406	8	3.964463
rs561077	GPR50	X	150100307	5	1.152249
rs561077	GPR50	X	150100307	1	0.04152
rs561077	GPR50	X	150100307	7	0.202543
rs7067140	LOC203547	X	150326043	5	2.39373
rs7067140	LOC203547	X	150326043	4	0.588855
rs7067140	LOC203547	X	150326043	3	0.380303
rs7067140	LOC203547	X	150326043	7	2.893652
rs7067140	LOC203547	X	150326043	1	0.187256
rs7067140	LOC203547	X	150326043	2	2.181237
rs879371	CNGA2	X	150664131	3	0.490399
rs1061418	GABRE	X	150873636	5	2.254177
rs2020030	MAGEA5	X	151034283	6	1.707517
rs2020030	MAGEA5	X	151034283	8	1.206506
rs6627242	KRT8P8	X	151399255	4	1.576174
rs6627242	KRT8P8	X	151399255	1	1.800708
rs6627242	KRT8P8	X	151399255	5	1.595734
rs6627242	KRT8P8	X	151399255	3	0.875769
rs6526155	PNMA3	X	151977198	7	0.057879

rs1045069	PNMA3	X	151979017	7	2.272222
rs1045069	PNMA3	X	151979017	5	0.360269
rs1045069	PNMA3	X	151979017	6	0.267515
rs2301186	PNMA6A	X	151993619	5	1.81714
rs2301186	PNMA6A	X	151993619	6	0.34295
rs2301187	PNMA6A	X	151993851	4	1.698504
rs1467881	ZNF275	X	152263302	1	2.553397
rs1467881	ZNF275	X	152263302	7	1.234809
rs4828611	ZNF275	X	152267020	4	0.452753
rs4828611	ZNF275	X	152267020	7	0.302448
rs4828611	ZNF275	X	152267020	1	6.140096
rs3257	ZNF275	X	152270177	1	5.599891
rs3257	ZNF275	X	152270177	7	2.111662
rs1042103	BGN	X	152427225	3	1.697802
rs743642	BGN	X	152427415	4	2.565157
rs2269415	ATP2B3	X	152476922	1	3.543569
rs2269415	ATP2B3	X	152476922	4	2.678226
rs2266879	PLXNB3	X	152688992	8	2.006698
rs2266879	PLXNB3	X	152688992	5	1.44015
rs2266879	PLXNB3	X	152688992	6	0.89604
rs2266879	PLXNB3	X	152688992	7	2.675201
rs2266879	PLXNB3	X	152688992	4	1.73811
rs2266879	PLXNB3	X	152688992	1	2.456441
rs1802092	SRPK3	X	152704178	5	1.195531
rs1802092	SRPK3	X	152704178	4	0.258075
rs3747312	PDZD4	X	152724193	1	3.360173
rs5201	AVPR2	X	152825187	5	0.565698
rs5201	AVPR2	X	152825187	1	0.731864
rs2070097	ARHGAP4	X	152829448	2	3.638602
rs2070097	ARHGAP4	X	152829448	4	1.321523
rs2070097	ARHGAP4	X	152829448	6	0.495825
rs2070097	ARHGAP4	X	152829448	7	0.675826
rs2070097	ARHGAP4	X	152829448	1	1.247382
rs2070097	ARHGAP4	X	152829448	3	0.194438
rs730106	HCFC1	X	152874851	1	2.441719
rs730106	HCFC1	X	152874851	4	0.704002
rs730106	HCFC1	X	152874851	7	0.997952
rs730106	HCFC1	X	152874851	8	0.556098
rs35567597	PLXNA3	X	153347381	1	4.794392
rs35567597	PLXNA3	X	153347381	5	1.032487
rs1050047	UBL4A	X	153366645	8	6.472296
rs7057286	UBL4A	X	153366981	7	3.220462
GA026663	G6PD	X	153413848	7	3.963838
rs3813455	GAB3	X	153557329	6	0.469916
rs5945108	GAB3	X	153557591	1	3.156637
rs4431759	GAB3	X	153557667	1	3.73837
rs4431759	GAB3	X	153557667	7	1.500249

rs1127051	DKC1	X	153657778	6	0.485948
GA026671	DKC1	X	153658342	7	0.963954
rs559165	CLIC2	X	154160367	7	0.855297
rs35507574	SHOX	X	526325	2	1.587088
rs35507574	SHOX	X	526325	3	0.733652
rs35507574	SHOX	X	526325	5	0.935015
rs35507574	SHOX	X	526325	8	0.64631
rs17879004	IL3RA	X	1427404	1	1.80674
rs11480	IL3RA	X	1461471	4	4.295349
rs11480	IL3RA	X	1461471	7	0.137427
rs11480	IL3RA	X	1461471	1	2.898067
rs11480	IL3RA	X	1461471	8	2.54195
rs4503285	ASMTL	X	1497881	5	0.00182
rs4503285	ASMTL	X	1497881	7	1.308074
rs4503285	ASMTL	X	1497881	8	0.174579
rs4503285	ASMTL	X	1497881	3	1.005935
rs4933063	ASMT	X	1715404	5	0.299394
rs17849631	CD99	X	2642482	5	0.151213
rs700449	SPRY3	X	154663050	3	2.395819
rs700449	SPRY3	X	154663050	4	0.164964
rs700455	SPRY3	X	154664526	1	1.222149
rs700455	SPRY3	X	154664526	2	0.530189