

Supplementary Table 1. Location information of instrumental SNPs in the current GSMR analysis

Instrumental SNPs	Chromosome	Position	REF Allele	Minor Allele	Minor Allele Global Frequency	P DBP_GWAS	P neuroticism_GWAS
rs34645159	1	1724366	G	A	0.358227	2.07E-14	0.5926
rs3107147	1	2048729	G	G	0.333466	3.26E-09	0.3659
rs2493288	1	3330884	G	A	0.113019	1.97E-23	0.2336
rs4908678	1	7739250	T	C	0.336462	4.59E-10	0.8169
rs2252865	1	8422676	T	T	0.201877	5.51E-11	0.06269
rs17035646	1	1079654 7	G	A	0.388578	1.26E-44	0.9267
rs55857306	1	1189579 5	G	A	0.126398	5.05E-109	0.6445
rs17376426	1	1190816 7	C	T	0.012181	3.42E-10	0.6841
rs12411044	1	1191407 4	G	A	0.124601	5.18E-25	0.03222
rs61736014	1	1193887 2	G	A	0.065895	2.27E-08	0.7795
rs12727430	1	1196180 5	A	T	0.024161	2.01E-23	0.2368
rs2639453	1	1198254 4	T	T	0.179113	6.11E-11	0.735
rs1980607	1	1597523 7	A	G	0.299321	1.51E-10	0.02419
rs848309	1	1630844 7	T	T	0.391773	2.75E-15	0.3134
rs6686889	1	2503047 0	C	T	0.373602	6.95E-22	0.0982
rs4320727	1	2535158 1	G	A	0.470248	1.80E-15	0.9869
rs58693652	1	2542367 6	G	A	0.359425	3.69E-10	0.5217
rs12728150	1	2726873 7	A	G	0.095248	1.28E-10	0.6557
rs17361679	1	2785903 6	T	C	0.055711	1.52E-08	0.8549
rs1565715	1	2953982 3	C	T	0.081869	3.46E-10	0.5999
rs61776678	1	3837702 1	G	A	0.295128	2.69E-08	0.982
rs72663521	1	4000590 3	G	A	0.083467	1.42E-08	0.7613
rs75660984	1	4174012 2	A	G	0.01877	5.41E-09	0.3889

rs2146315	1	4205036 6	C	T	0.309305	5.03E-09	0.3765
rs34538877	1	4238367 0	C	T	0.198083	2.13E-12	0.4954
rs710249	1	4386923 5	G	C	0.242212	6.43E-18	0.02807
rs56810307	1	4497354 6	T	C	0.22484	1.29E-08	0.8141
rs12142296	1	4654167 9	T	G	0.064097	8.89E-11	0.2269
rs12143164	1	4797438 1	C	C	0.31869	4.62E-08	0.9137
rs56120031	1	4804520 2	C	G	0.27496	1.42E-08	0.203
rs4926923	1	4810922 5	T	C	0.14377	4.75E-10	0.7351
rs57490543	1	5201062 3	C	A	0.045927	1.22E-08	0.5662
rs61772592	1	5697968 1	A	G	0.063498	7.42E-09	0.3129
rs12730750	1	5961390 5	G	A	0.19349	1.95E-09	0.2327
rs10493408	1	6699205 4	C	A	0.178514	5.09E-10	0.01168
rs34517439	1	7845051 7	C	A	0.027556	2.02E-19	0.7935
rs658780	1	7855592 8	T	G	0.239018	4.73E-10	0.5627
rs2275902	1	7935736 0	G	C	0.252796	3.62E-08	0.8621
rs786921	1	8928667 3	G	G	0.39996	8.63E-11	0.06083
rs2065152	1	9022851 9	C	T	0.378395	8.95E-10	0.04486
rs17396055	1	9473095 4	G	A	0.19988	4.13E-10	0.03975
rs10776752	1	1.13E+0 8	G	T	0.119209	1.25E-43	0.6499
rs351364	1	1.13E+0 8	A	A	0.288339	1.84E-42	0.3997
rs3737136	1	1.13E+0 8	A	G	0.226438	4.06E-36	0.9248
rs6537762	1	1.13E+0 8	A	A	0.313698	8.38E-18	0.3208

rs11102919	1	1.16E+08	T	C	0.167332	4.20E-15	0.493
rs568032	1	1.16E+08	A	A	0.037939	6.28E-12	0.124
rs1886914	1	1.20E+08	C	C	0.379193	3.04E-10	0.9661
rs72704264	1	1.46E+08	G	C	0.122404	3.60E-08	0.1114
rs139838869	1	1.54E+08	G	A	0.006989	1.62E-08	0.4137
rs11578696	1	1.56E+08	A	G	0.035743	1.65E-08	0.6697
rs2171690	1	1.65E+08	T	C	0.42512	1.19E-11	0.8271
rs7524019	1	1.67E+08	C	T	0.459864	2.60E-09	0.5971
rs10489290	1	1.72E+08	C	A	0.171126	4.07E-11	0.8664
rs12405515	1	1.72E+08	G	G	0.465256	1.92E-22	0.3991
rs3766694	1	1.75E+08	T	C	0.479633	4.07E-10	0.6389
rs3795320	1	1.77E+08	T	G	0.277157	4.44E-09	0.2842
rs150816167	1	1.80E+08	T	C	0.023962	1.17E-10	0.5588
rs11585424	1	1.81E+08	C	T	0.26278	1.52E-10	0.2431
rs41475048	1	1.83E+08	A	G	0.120607	9.93E-10	0.3336
rs4651224	1	1.85E+08	C	C	0.3752	3.39E-10	0.8672
rs882624	1	2.02E+08	C	T	0.136981	3.89E-09	0.2306
rs2644134	1	2.02E+08	A	A	0.160343	2.33E-17	0.5021
rs33996239	1	2.03E+08	C	T	0.107228	2.86E-11	0.251
rs16852778	1	2.04E+08	C	T	0.141174	4.03E-11	0.3655
rs16853084	1	2.04E+08	C	T	0.018371	2.57E-08	0.3106
rs7513240	1	2.04E+08	C	C	0.281949	3.17E-16	0.8964

rs2169137	1	2.04E+0 8	G	G	0.20647	3.11E-09	0.4107
rs2629665	1	2.07E+0 8	C	A	0.387181	1.52E-11	0.2976
rs1502358	1	2.17E+0 8	G	G	0.316494	1.13E-09	0.1838
rs11117882	1	2.18E+0 8	A	G	0.258786	1.34E-20	0.2054
rs35981664	1	2.19E+0 8	A	T	0.235823	2.01E-17	0.2846
rs9431431	1	2.21E+0 8	G	A	0.362819	1.71E-12	0.05967
rs7418070	1	2.27E+0 8	C	C	0.328874	1.30E-13	0.1193
rs2760061	1	2.28E+0 8	T	T	0.346046	1.04E-23	0.8112
rs3736982	1	2.31E+0 8	A	C	0.323283	1.30E-09	0.7647
rs699	1	2.31E+0 8	A	A	0.294928	1.30E-40	0.7884
rs1885018	1	2.36E+0 8	A	C	0.299121	1.76E-08	0.3904
rs72757686	1	2.43E+0 8	G	C	0.007189	3.95E-41	0.1692
rs3943093	1	2.43E+0 8	C	T	0.30631	3.24E-08	0.1508
rs72759896	1	2.44E+0 8	A	G	0.059904	1.06E-08	0.2581
rs4926499	1	2.49E+0 8	G	G	0.100439	9.37E-12	0.8477
rs11252324	10	4124568	G	T	0.057708	3.84E-08	0.02424
rs10906391	10	1352393 7	C	T	0.341254	2.58E-08	0.01515
rs6602177	10	1716714 1	C	C	0.305511	9.52E-16	0.08333
rs2357786	10	1835574 9	T	T	0.452676	4.31E-08	0.5449
rs10740993	10	1844248 2	C	C	0.469649	4.46E-09	0.74
rs16916914	10	1845772 2	T	C	0.021566	6.17E-10	0.6192
rs7087598	10	1846850 5	C	T	0.138179	9.96E-10	0.606

rs61278674	10	1848173 7	A	G	0.111222	2.25E-23	0.5197
rs1779246	10	1850691 1	G	G	0.189696	4.37E-08	0.8916
rs10828399	10	1855396 8	G	G	0.399161	1.92E-62	0.1122
rs10828542	10	1862728 5	A	G	0.463259	2.07E-10	0.869
rs112133583	10	1869568 1	C	T	0.008986	1.20E-15	0.3129
rs7923191	10	1872790 1	A	G	0.253994	1.89E-09	0.4361
rs12258967	10	1872795 9	C	G	0.210663	2.14E-09	0.9546
rs10741083	10	1879085 8	T	C	0.413339	1.65E-12	0.417
rs2808265	10	2793035 9	A	T	0.486422	1.69E-16	0.014
rs3802517	10	2823346 9	T	A	0.388778	5.96E-10	0.07146
rs1265842	10	2892490 1	T	T	0.421925	1.27E-09	0.8394
rs2478835	10	3031794 9	C	T	0.255192	5.21E-09	0.08416
rs2994648	10	3129084 5	C	T	0.078474	6.23E-22	0.11
rs7101163	10	3141009 4	G	T	0.03135	2.17E-32	0.7198
rs76164690	10	3259036 2	T	G	0.1252	2.46E-09	0.5449
rs4948643	10	4537975 9	T	T	0.412141	1.12E-11	0.8791
rs34130368	10	4841179 6	G	T	0.172524	1.48E-10	0.8562
rs4948550	10	6058855 3	T	T	0.392572	1.17E-26	0.4455
rs10761530	10	6239072 6	T	T	0.483027	4.19E-09	0.1392
rs2280449	10	6316995 1	T	A	0.216853	3.97E-11	0.1613
rs7910340	10	6327096 9	C	A	0.168131	7.26E-09	0.9556
rs72831343	10	6351568 1	T	G	0.047324	6.49E-17	0.5031

rs2236295	10	6456489 2	G	T	0.211661	1.80E-08	0.3939
rs10509174	10	6463790 8	G	A	0.110623	7.69E-12	0.434
rs6479908	10	6533364 8	C	G	0.396366	2.22E-09	0.4805
rs28564120	10	7033041 0	A	G	0.207268	4.54E-09	0.1109
rs12247028	10	7541005 2	G	A	0.259385	1.56E-17	0.5132
rs11001051	10	7624354 9	C	C	0.498203	4.66E-10	0.7
rs7098414	10	8221458 6	A	A	0.119209	2.83E-11	0.01152
rs303217	10	9115369 9	T	T	0.292332	1.68E-11	0.1183
rs7070115	10	9590000 4	A	G	0.440895	2.40E-09	0.1969
rs2274224	10	9603959 7	G	C	0.486222	4.22E-12	0.2203
rs555782	10	9614853 6	T	T	0.39976	1.16E-12	0.9716
rs12359148	10	9662231 3	A	G	0.009585	3.16E-11	0.7643
rs1049961	10	9699758 9	A	G	0.272963	2.45E-08	0.2867
rs603424	10	1.02E+0 8	G	A	0.374201	4.62E-10	0.4609
rs2489033	10	1.02E+0 8	A	G	0.035943	4.23E-13	0.9625
rs1006545	10	1.03E+0 8	G	G	0.051717	9.45E-29	0.538
rs17113555	10	1.03E+0 8	C	G	0.179912	7.03E-10	0.8641
rs61447364	10	1.03E+0 8	G	A	0.177716	6.03E-11	0.1813
rs4436485	10	1.03E+0 8	G	C	0.207668	6.63E-15	0.4181
rs4285804	10	1.04E+0 8	T	A	0.461262	1.52E-09	0.7892
rs146504787	10	1.05E+0 8	A	T	0.007788	2.36E-11	0.1412
rs7917547	10	1.05E+0 8	A	C	0.186901	1.70E-09	0.1305

rs12414028	10	1.05E+08	T	A	0.151358	3.16E-08	0.7423
rs12243196	10	1.05E+08	G	A	0.100639	2.55E-08	0.2154
rs4630220	10	1.05E+08	G	A	0.282149	1.89E-10	0.04185
rs7907035	10	1.06E+08	C	C	0.43151	5.59E-14	0.4612
rs61861138	10	1.06E+08	G	A	0.19349	3.66E-31	0.7167
rs911547	10	1.06E+08	G	G	0.223043	4.96E-12	0.8593
rs111777102	10	1.12E+08	C	T	0.054113	1.11E-11	0.4815
rs11196549	10	1.16E+08	G	A	0.065695	6.16E-15	0.569
rs6585256	10	1.16E+08	A	A	0.411142	3.33E-09	0.07313
rs17875473	10	1.16E+08	C	T	0.025759	1.90E-10	0.1317
rs1801253	10	1.16E+08	G	G	0.298323	5.99E-10	0.1591
rs143854972	10	1.16E+08	G	A	0.026757	1.66E-08	0.6224
rs646294	10	1.16E+08	G	T	0.175519	2.75E-08	0.6429
rs72842207	10	1.21E+08	C	T	0.095248	5.77E-50	0.3528
rs1907220	10	1.23E+08	A	A	0.302516	1.02E-08	0.08133
rs10490923	10	1.24E+08	G	A	0.07508	3.88E-14	0.5437
rs9419374	10	1.34E+08	A	A	0.30012	1.45E-11	0.8943
rs7090098	10	1.34E+08	G	G	0.410942	5.96E-09	0.3303
rs80226362	10	1.34E+08	G	T	0.183107	9.27E-28	0.1072
rs11035302	11	1615955	C	C	0.305911	2.76E-15	0.9105
rs56014530	11	1876157	G	A	0.215855	2.09E-13	0.9943
rs569550	11	1887068	T	G	0.423522	2.16E-39	0.02889
rs112492	11	1989274	A	G	0.315096	5.21E-09	0.7533
rs2251375	11	2019496	C	A	0.480631	1.16E-08	0.2929
rs74048200	11	2120298	A	G	0.088658	2.05E-08	0.0558

rs17224476	11	4673788	G	A	0.048323	4.71E-19	0.6784
rs2178152	11	8056799	G	G	0.273562	5.78E-13	0.09622
rs4315061	11	8247020	T	C	0.414137	3.16E-12	0.8919
rs871677	11	8738843	T	C	0.413339	3.20E-12	0.6341
rs77307969	11	9681095	C	T	0.007987	4.69E-09	0.02406
rs415895	11	9769562	C	C	0.479633	4.49E-16	0.8016
rs4243951	11	9856524	A	A	0.447883	4.61E-09	0.3816
rs59717668	11	1032130 9	C	G	0.1248	8.19E-14	0.5235
rs1425152	11	1064916 1	C	A	0.437101	3.00E-20	0.1691
rs2098839	11	1067698 7	T	T	0.161741	3.26E-08	0.4486
rs10832013	11	1329535 3	G	G	0.492212	3.80E-10	0.7852
rs10766139	11	1415406 9	A	T	0.408946	4.71E-14	0.1075
rs10832301	11	1478896 4	G	A	0.350839	4.60E-14	0.1408
rs10832586	11	1630408 9	A	C	0.189896	4.14E-08	0.8744
rs7926335	11	1691786 9	C	T	0.220447	3.60E-09	0.5079
rs7928810	11	1737244 3	C	C	0.270168	1.57E-15	0.566
rs11026586	11	2251553 3	G	A	0.101038	3.12E-09	0.9938
rs10835130	11	2723984 5	C	A	0.054313	2.99E-26	0.6975
rs10835161	11	2733868 9	G	G	0.34345	7.49E-09	0.008848
rs17244049	11	2739806 5	T	C	0.021765	7.89E-10	0.2935
rs56405868	11	2762155 2	G	G	0.307308	2.83E-26	0.2954
rs962369	11	2773442 0	T	C	0.216853	3.74E-08	0.4137
rs2585810	11	2848378 7	G	A	0.428914	3.63E-09	0.5466
rs919045	11	3111181 0	T	C	0.219848	4.50E-08	0.5921
rs61879810	11	3182146 7	A	A	0.154952	4.34E-10	0.3266



rs12225704	11	4626364 0	A	G	0.152157	1.63E-09	0.9301
rs10839204	11	4900224 7	C	T	0.174521	1.05E-14	0.5045
rs12800452	11	5024642 7	A	T	0.084864	1.42E-44	0.2915
rs509564	11	5744811 7	C	T	0.400759	2.50E-08	0.2774
rs7927966	11	5837627 6	C	T	0.215855	3.82E-09	0.8286
rs7125196	11	6127256 5	T	C	0.266573	3.10E-41	0.6932
rs35927325	11	6388249 5	C	T	0.182308	8.60E-16	0.1254
rs2306363	11	6540560 0	G	T	0.15615	5.39E-19	0.852
rs679147	11	6564436 3	A	G	0.416134	7.33E-22	0.7913
rs36027301	11	6780926 8	C	T	0.016973	6.35E-09	0.1608
rs67976715	11	6802374 2	G	C	0.116414	2.94E-21	0.03358
rs78977588	11	6896814 9	C	A	0.080072	5.37E-09	0.9822
rs11605229	11	6907553 8	C	T	0.140974	1.01E-17	0.08976
rs12806952	11	6926386 4	C	T	0.354433	1.18E-10	0.05159
rs586459	11	6946137 4	G	C	0.485024	1.88E-16	0.0136
rs875106	11	7000564 1	G	G	0.497005	1.05E-09	0.7646
rs504217	11	7200608 6	C	T	0.213059	2.84E-08	0.4135
rs11820929	11	7306113 0	C	G	0.288738	3.23E-10	0.005622
rs76704686	11	7437849 9	C	T	0.328474	3.21E-11	0.4331
rs7115331	11	7621859 0	T	G	0.134784	1.45E-08	0.928
rs60143695	11	7763757 0	T	C	0.162141	8.34E-11	0.6215
rs2450128	11	7794007 5	G	A	0.327276	1.36E-09	0.007578

rs2289123	11	8922471 8	G	G	0.458866	2.40E-11	0.2251
rs11021221	11	9530885 4	T	A	0.110024	1.41E-17	0.3366
rs61909958	11	9615167 7	C	G	0.088459	4.66E-08	0.2797
rs1216577	11	1.00E+0 8	A	G	0.117013	3.44E-12	0.0796
rs604723	11	1.01E+0 8	T	T	0.302117	3.09E-26	0.5862
rs73007642	11	1.01E+0 8	C	T	0.01258	4.06E-08	0.6533
rs73007683	11	1.01E+0 8	A	T	0.263379	1.80E-15	0.7776
rs7951348	11	1.07E+0 8	C	T	0.326478	3.52E-22	0.5695
rs58953496	11	1.07E+0 8	T	C	0.160144	7.96E-11	0.4168
rs11608122	11	1.12E+0 8	C	T	0.188099	1.76E-14	0.9053
rs17119370	11	1.16E+0 8	T	A	0.497804	2.58E-15	0.3048
rs7116797	11	1.17E+0 8	A	A	0.358227	1.04E-15	0.5208
rs12790943	11	1.20E+0 8	C	T	0.263778	1.25E-25	0.2076
rs12574332	11	1.23E+0 8	C	T	0.127396	7.61E-17	0.5906
rs4421757	11	1.23E+0 8	A	A	0.380591	6.35E-23	0.8457
rs66518071	11	1.29E+0 8	C	G	0.245008	1.91E-23	0.1714
rs4936099	11	1.30E+0 8	C	C	0.214657	9.90E-10	0.5487
rs11062107	12	2187041	A	G	0.234026	1.98E-57	0.2494
rs55935819	12	2521579	G	A	0.334065	1.97E-10	0.5531
rs75507123	12	5417856	G	T	0.086661	6.83E-09	0.02109
rs11055034	12	1289062 6	C	A	0.239018	1.67E-12	0.7803
rs28444248	12	1525902 0	C	T	0.129992	1.81E-10	0.4176
rs61912333	12	1955481 7	C	G	0.323083	2.28E-22	0.4534

rs2694975	12	1995735 1	A	G	0.261382	3.65E-11	0.6483
rs10743353	12	2019996 2	C	C	0.473642	9.94E-09	0.296
rs11609944	12	2027929 0	G	A	0.278754	1.86E-08	0.3429
rs67382985	12	2033585 3	A	T	0.188498	5.77E-12	0.2021
rs73073676	12	2035127 6	A	T	0.161142	2.25E-08	0.07688
rs6487076	12	2047085 7	A	G	0.195887	3.23E-10	0.8901
rs7306429	12	2416359 1	G	A	0.403954	1.51E-10	0.6446
rs118114077	12	2640781 3	T	A	0.009585	3.07E-12	0.9613
rs10842709	12	2647524 3	T	G	0.261382	9.69E-09	0.7323
rs7969332	12	2739847 8	A	A	0.357827	3.82E-11	0.43
rs7965392	12	4254028 0	G	A	0.359425	1.90E-19	0.0364
rs56304982	12	4815260 5	G	C	0.292931	4.62E-09	0.2112
rs11168245	12	4820449 9	C	G	0.088658	1.89E-15	0.9094
rs61917655	12	4821078 7	C	T	0.060703	1.06E-09	0.5923
rs11168254	12	4821394 2	G	T	0.054513	4.42E-08	0.9573
rs117913411	12	4825435 3	T	A	0.028355	8.56E-11	0.126
rs74484931	12	4961130 4	A	G	0.008786	3.99E-13	0.289
rs7967705	12	5051140 8	T	T	0.200879	3.91E-09	0.1636
rs137920360	12	5060966 1	C	T	0.040735	3.28E-08	0.6241
rs61926181	12	5076703 7	G	A	0.009984	8.21E-11	0.4473
rs3782480	12	5230506 9	G	T	0.129393	2.79E-12	0.4663
rs7304594	12	5344160 7	C	T	0.377396	4.27E-09	0.3227

rs7134440	12	5345009 7	C	T	0.115415	1.52E-147	0.1589
rs6580970	12	5443427 7	C	T	0.295128	7.37E-12	0.6024
rs705696	12	5648064 8	G	A	0.193091	7.00E-09	0.696
rs7137749	12	5709804 0	T	T	0.350839	5.87E-09	0.6593
rs75567496	12	5793412 4	G	A	0.009984	3.47E-08	0.9653
rs10437954	12	5800392 2	G	G	0.199481	2.07E-19	0.6704
rs7959649	12	6778310 8	T	T	0.276158	8.62E-12	0.03742
rs11177683	12	6985591 0	G	A	0.451677	3.72E-88	0.02596
rs521033	12	6995142 8	A	G	0.058107	2.61E-09	0.2998
rs1689468	12	7038025 8	A	G	0.334265	1.84E-12	0.8478
rs1245829	12	7964817 0	A	T	0.238419	2.09E-13	0.2527
rs17353559	12	8961772 0	G	A	0.261581	5.52E-10	0.7008
rs34196696	12	8979770 0	T	C	0.286941	2.70E-20	0.3824
rs2681485	12	9002562 2	G	G	0.409145	1.01E-28	0.8492
rs34217226	12	9003212 8	A	T	0.026757	3.07E-13	0.1148
rs77746315	12	9006009 5	C	T	0.014577	6.19E-23	0.1832
rs2408046	12	9010933 7	T	T	0.272564	2.90E-14	0.8555
rs7963304	12	9043657 1	T	C	0.122604	1.58E-11	0.6822
rs4761524	12	9414417 5	A	A	0.319489	2.64E-09	0.6309
rs11108209	12	9610985 5	T	C	0.027756	1.83E-20	0.6756
rs7134060	12	9671709 5	G	A	0.342452	8.53E-10	0.6897
rs11112529	12	1.06E+0 8	C	T	0.410144	5.63E-14	0.3982

rs11112548	12	1.06E+08	A	T	0.016374	1.61E-15	0.2121
rs61942582	12	1.11E+08	G	A	0.023363	6.34E-12	0.08631
rs850518	12	1.11E+08	A	A	0.282748	1.28E-09	0.553
rs73195866	12	1.11E+08	G	A	0.010184	5.03E-09	0.4584
rs11832104	12	1.12E+08	T	C	0.370807	4.23E-09	0.04283
rs74345431	12	1.12E+08	G	T	0.020967	3.85E-08	0.958
rs17627481	12	1.12E+08	G	A	0.024161	1.64E-10	0.01596
rs7310615	12	1.12E+08	C	C	0.147564	1.58E-20	0.05454
rs112142794	12	1.12E+08	G	A	0.012979	2.29E-32	0.2353
rs59036878	12	1.13E+08	G	A	0.115615	1.04E-10	0.9121
rs4766994	12	1.13E+08	T	C	0.301717	9.27E-09	0.9396
rs7132088	12	1.13E+08	C	T	0.35603	1.11E-12	0.3567
rs2384068	12	1.13E+08	T	T	0.300719	3.84E-08	0.8486
rs2173957	12	1.15E+08	G	G	0.397963	1.42E-14	0.73
rs2217171	12	1.15E+08	T	C	0.346645	4.24E-14	0.07625
rs35493	12	1.16E+08	A	A	0.286542	4.46E-08	0.4176
rs2216475	12	1.16E+08	A	C	0.305312	3.19E-22	0.3126
rs35429	12	1.16E+08	A	G	0.405351	6.49E-09	0.8509
rs2384606	12	1.16E+08	T	C	0.489417	1.65E-13	0.3345
rs10850526	12	1.16E+08	G	A	0.182308	1.23E-08	0.7962
rs11067763	12	1.16E+08	A	G	0.27516	1.47E-67	0.05866
rs3898618	12	1.21E+08	T	C	0.086661	1.49E-08	0.9748

rs3213545	12	1.21E+0 8	G	A	0.313099	5.00E-12	0.7117
rs10744764	12	1.22E+0 8	G	A	0.298123	2.52E-11	0.8166
rs139779037	12	1.23E+0 8	C	T	0.46266	7.56E-09	0.2786
rs138188281	12	1.23E+0 8	G	A	0.013379	1.21E-13	0.7816
rs1727311	12	1.24E+0 8	T	T	0.13139	4.98E-13	0.07255
rs10846495	12	1.24E+0 8	G	T	0.06889	1.49E-10	0.9328
rs1271309	12	1.25E+0 8	A	A	0.152356	3.04E-10	0.941
rs682681	13	2229406 2	T	T	0.208466	2.83E-08	0.9337
rs685926	13	2242716 0	T	C	0.197085	8.25E-10	0.1912
rs55641580	13	2525791 7	C	T	0.126997	7.61E-10	0.8938
rs56211919	13	3007843 1	A	C	0.079273	2.61E-10	0.4232
rs7338758	13	3013782 8	T	C	0.435304	2.18E-08	0.2604
rs9532243	13	3219140 8	A	A	0.317692	6.23E-11	0.01018
rs7321585	13	3826317 6	G	C	0.184904	3.99E-10	0.7906
rs56256111	13	4147896 3	G	A	0.080072	4.10E-12	0.2806
rs4274337	13	4196719 3	A	A	0.308906	4.50E-18	0.38
rs12583637	13	5056449 0	C	G	0.119409	1.05E-09	0.6091
rs3118904	13	5110009 7	G	A	0.24401	9.42E-13	0.7819
rs9526707	13	5148918 6	G	A	0.154353	9.70E-10	0.7527
rs9563529	13	5831663 7	G	T	0.300519	1.62E-22	0.02004
rs3861113	13	7236438 2	C	A	0.363019	1.71E-08	0.7491
rs12866098	13	7311961 7	G	A	0.188898	6.60E-13	0.4806

rs78474310	13	7382690 1	A	G	0.011781	3.13E-09	0.4904
rs1215469	13	8070740 8	A	A	0.194489	3.68E-10	0.8558
rs17268915	13	9798378 9	A	G	0.170527	1.05E-08	0.1895
rs650724	13	1.11E+0 8	G	A	0.126597	8.11E-11	0.6194
rs3783111	13	1.11E+0 8	C	T	0.369209	6.41E-13	0.9718
rs675605	13	1.11E+0 8	G	G	0.289337	2.09E-09	0.3756
rs7338606	13	1.11E+0 8	C	T	0.163538	2.20E-13	0.9938
rs4773140	13	1.11E+0 8	A	A	0.26857	6.63E-09	0.7207
rs12323265	13	1.11E+0 8	A	G	0.437101	3.99E-08	0.7422
rs13379029	13	1.14E+0 8	G	A	0.469449	2.01E-18	0.9869
rs7321688	13	1.15E+0 8	C	A	0.315296	2.28E-20	0.5382
rs7350752	14	2184115 4	G	A	0.044928	1.03E-12	0.02853
rs10467770	14	2189963 1	C	T	0.252796	4.84E-35	0.1098
rs1950500	14	2483085 0	T	T	0.340056	7.48E-14	0.9713
rs2273171	14	3138135 1	T	C	0.388978	9.45E-30	0.9368
rs4424827	14	3511085 7	C	C	0.275759	4.89E-09	0.2287
rs8904	14	3587121 7	G	A	0.447883	1.39E-11	0.5623
rs138679872	14	3612665 1	C	T	0.040735	6.97E-18	0.9186
rs72677847	14	5084425 6	T	C	0.009984	4.12E-11	0.9769
rs3783412	14	5085664 1	A	G	0.496805	5.06E-13	0.06514
rs7161281	14	5335047 9	A	A	0.373203	7.31E-14	0.6572
rs35413927	14	5342035 8	A	G	0.265775	7.22E-09	0.7653

rs117500469	14	5342883 9	G	A	0.009984	6.01E-25	0.5523
rs11628933	14	6070090 3	G	C	0.272564	9.71E-34	0.8007
rs11158678	14	6798754 3	T	C	0.339856	1.46E-08	0.884
rs731681	14	6801022 4	G	C	0.458866	3.36E-43	0.7687
rs57786342	14	6926002 8	G	A	0.190096	5.13E-13	0.3482
rs227426	14	7045666 4	G	T	0.489617	1.76E-25	0.0495
rs2239268	14	7246959 1	G	G	0.411342	1.68E-13	0.3568
rs4903064	14	7327942 0	T	C	0.285343	1.48E-10	0.5695
rs7151887	14	1.00E+0 8	A	A	0.260184	3.66E-08	0.3433
rs8014182	14	1.04E+0 8	C	T	0.091653	4.71E-08	0.06839
rs34896432	14	1.04E+0 8	C	T	0.220447	3.10E-10	0.5521
rs34161718	14	1.05E+0 8	C	T	0.088459	8.70E-10	0.06273
rs10873612	15	2610560 2	C	T	0.403554	4.28E-11	0.9515
rs11070245	15	4031779 2	T	G	0.382588	4.65E-08	0.8627
rs2925345	15	4131179 9	T	C	0.422524	3.03E-08	0.8434
rs4924570	15	4197466 0	T	C	0.263379	5.69E-09	0.1795
rs2927071	15	4391908 1	T	C	0.420927	9.29E-10	0.6786
rs7184016	15	4881049 9	G	T	0.357628	7.31E-15	0.7501
rs11854184	15	4929319 4	C	A	0.076877	1.17E-13	0.6648
rs7169864	15	5390290 1	C	T	0.350839	8.83E-15	0.3357
rs62011935	15	6686195 9	C	T	0.161741	2.10E-14	0.7965
rs893912	15	6692846 9	C	T	0.238618	1.37E-22	0.04403



rs28429256	15	6693161 7	G	A	0.278954	3.39E-20	0.2195
rs2439371	15	6696730 8	A	C	0.3125	7.60E-10	0.6339
rs62004794	15	6845452 3	A	G	0.376198	2.07E-11	0.4633
rs11853359	15	7162152 4	G	A	0.391174	8.53E-29	0.6438
rs351157	15	7455203 1	A	C	0.451877	2.93E-57	0.0464
rs2959010	15	7461309 7	G	A	0.108427	1.05E-11	0.1593
rs28362891	15	7471560 2	G	A	0.035743	7.47E-12	0.9556
rs17861118	15	7502614 9	G	A	0.033746	4.67E-20	0.7787
rs11636952	15	7511432 2	T	C	0.341254	3.24E-14	0.4805
rs62012629	15	7907035 1	C	A	0.334465	9.63E-10	0.4476
rs2627316	15	8104281 6	A	G	0.185503	3.85E-30	0.003986
rs983353	15	8218653 5	A	G	0.284744	7.78E-20	0.5758
rs11259905	15	8394975 1	A	C	0.228634	2.18E-11	0.7357
rs7180952	15	8516255 1	C	C	0.342252	3.49E-14	0.6032
rs8041380	15	8564545 2	C	C	0.051917	1.25E-10	0.3832
rs3743157	15	8568053 2	C	A	0.405751	3.38E-14	0.05022
rs7171498	15	8624424 7	T	C	0.389177	3.82E-23	0.07534
rs78550103	15	9002729 6	G	A	0.125	1.27E-12	0.01084
rs2532102	15	9138088 2	G	G	0.386382	3.42E-24	0.01409
rs56340611	15	9140761 8	T	C	0.01857	3.08E-17	0.5513
rs7497304	15	9142917 6	G	T	0.217452	1.57E-14	0.1216
rs12904445	15	9148001 0	C	A	0.265575	4.77E-40	0.006739

rs873122	15	9270202 0	G	G	0.266773	3.06E-16	0.008794
rs28533980	15	9420787 2	C	T	0.209864	3.30E-09	0.7153
rs12906962	15	9531207 1	T	C	0.421526	3.20E-14	0.3395
rs4984497	15	9663589 9	T	T	0.225639	5.51E-10	0.02533
rs2570816	15	1.00E+0 8	G	G	0.366613	1.44E-09	0.2383
rs9932866	16	706067	G	G	0.306909	2.23E-11	0.2007
rs28590346	16	2080653	A	T	0.407548	1.06E-12	0.06787
rs3211994	16	2089028	C	T	0.1248	3.78E-12	0.7477
rs112372061	16	2101154	G	A	0.042732	5.25E-09	0.8166
rs76073047	16	2222769	G	A	0.017971	2.49E-14	0.1987
rs2240075	16	3535540	G	G	0.436701	2.75E-08	0.8315
rs72760840	16	3951740	T	A	0.250399	7.79E-23	0.2268
rs72762705	16	4020732	C	T	0.184904	4.29E-16	0.3538
rs28562961	16	4064088	G	C	0.187101	2.33E-12	0.1774
rs9922726	16	4257281	A	A	0.453874	8.14E-15	0.05539
rs75345455	16	4419854	C	T	0.023163	3.77E-08	0.2255
rs2404282	16	4753624	G	A	0.394768	1.53E-08	0.05021
rs17137318	16	4895038	G	A	0.052516	1.81E-12	0.9378
rs12446456	16	4922201	C	T	0.459465	4.50E-08	0.1651
rs1126889	16	1206191 0	C	G	0.419728	3.76E-25	0.1804
rs57327054	16	1448703 6	C	T	0.367412	9.07E-12	0.7606
rs77924615	16	2039233 2	G	A	0.156949	3.14E-11	0.0988
rs9937801	16	2108813 0	T	C	0.430711	1.43E-23	0.3526
rs6565174	16	3011190 4	A	A	0.034944	4.77E-09	0.8292
rs80095680	16	3090235 3	A	G	0.286941	2.61E-08	0.03687
rs10468291	16	4976804 6	C	C	0.33127	2.70E-09	0.6141
rs62030049	16	5057270 9	A	G	0.150759	2.70E-10	0.3697
rs1498768	16	5165924 4	G	A	0.025559	1.63E-10	0.2004
rs9932220	16	5175811 6	G	A	0.285144	3.87E-11	0.8093

rs12928581	16	5685238 9	T	C	0.255591	1.46E-08	0.055
rs8062688	16	6693882 3	G	C	0.158347	6.09E-12	0.3194
rs28544928	16	6932926 8	T	G	0.179113	3.90E-09	0.1942
rs4788444	16	7185654 7	A	A	0.046925	1.09E-16	0.5478
rs62055084	16	7309784 5	C	T	0.106629	2.57E-19	0.3935
rs8046697	16	7544214 4	T	C	0.489816	3.19E-12	0.3671
rs12926550	16	8151015 5	G	A	0.28115	3.76E-08	0.4613
rs12929303	16	8160226 4	G	A	0.322484	1.09E-09	0.8587
rs7500448	16	8304579 0	A	G	0.16893	6.73E-12	0.8429
rs35781150	16	8608238 9	A	A	0.458067	2.95E-08	0.07366
rs9939182	16	8656659 6	T	C	0.092452	1.79E-70	0.2755
rs908951	16	8969762 5	C	T	0.392372	4.39E-10	0.5685
rs34019730	16	8981293 0	G	A	0.023163	5.09E-10	0.0805
rs35991606	16	9006707 9	T	C	0.212061	1.65E-09	0.777
rs4362428	17	2090341	C	A	0.2498	1.18E-08	0.2085
rs7215084	17	3880148	C	C	0.467053	1.69E-08	0.8808
rs35552228	17	4626318	T	G	0.08746	3.77E-09	0.05041
rs113086489	17	7171356	C	T	0.451278	1.01E-10	0.6106
rs143001882	17	7182574	C	T	0.016773	4.15E-08	0.1108
rs12600863	17	7355629	A	A	0.43151	1.69E-12	0.006012
rs28625968	17	7474539	C	T	0.247204	2.09E-10	0.02783
rs12949655	17	7575733	A	G	0.179113	7.85E-11	0.07334
rs62059693	17	7723513	T	C	0.054113	8.13E-47	0.516
rs74439044	17	7781019	T	C	0.127796	1.30E-08	0.9626
rs1465249	17	1263929 4	T	T	0.378994	8.70E-13	0.8255
rs9893005	17	1622550 6	C	C	0.495807	4.35E-08	0.2548
rs7221807	17	1822179 9	T	C	0.461062	1.21E-09	0.07445

rs1043809	17	1923943 2	C	T	0.302117	2.76E-10	0.9928
rs76954792	17	3003351 4	C	T	0.134585	1.63E-11	0.2786
rs28661492	17	3060993 2	C	T	0.285144	2.21E-08	0.8432
rs6416904	17	4316375 6	A	A	0.310703	1.49E-19	0.2591
rs4968248	17	4499312 8	G	G	0.489816	3.60E-16	0.1084
rs8070815	17	4594354 6	T	T	0.264976	3.87E-14	0.9811
rs72827873	17	4651578 4	T	C	0.116014	5.06E-24	0.8012
rs45572038	17	4669032 2	C	T	0.030152	5.23E-13	0.7049
rs79917357	17	4682467 4	G	A	0.138179	4.00E-13	0.8853
rs594398	17	4695769 6	G	C	0.41873	5.55E-25	0.7252
rs72835405	17	4720765 8	C	T	0.11881	9.65E-09	0.05889
rs146264265	17	4732196 8	G	A	0.034545	2.49E-12	0.106
rs9889262	17	4739807 0	T	A	0.184904	3.98E-10	0.2734
rs8080108	17	4751371 1	T	C	0.147364	1.46E-08	0.1141
rs2584681	17	4752974 6	A	A	0.351038	6.64E-10	0.005214
rs34430710	17	5687662 7	A	T	0.154153	8.69E-14	0.1841
rs9652858	17	5908780 8	G	A	0.357428	5.94E-10	0.5913
rs1000423	17	5947564 2	C	T	0.456669	5.72E-16	0.8989
rs9635746	17	6114221 1	A	G	0.157348	3.88E-08	0.2902
rs6504163	17	6154577 9	C	C	0.254193	2.14E-10	0.5653
rs1867624	17	6238709 1	C	C	0.297923	6.32E-49	0.2387
rs8068773	17	6262036 6	C	T	0.195887	1.27E-21	0.8196

rs12941755	17	6427552 3	C	G	0.413339	1.77E-11	0.3523
rs3744021	17	7387191 1	G	A	0.419529	7.65E-13	0.7922
rs7406973	17	7529030 1	A	A	0.345647	3.35E-15	0.19
rs1436138	17	7531688 0	A	G	0.440895	2.07E-09	0.6408
rs78554005	17	7644384 3	G	T	0.117212	3.37E-10	0.2221
rs7217916	17	7676943 4	A	A	0.438498	2.65E-12	0.4735
rs112280096	17	7936740 9	C	A	0.172125	9.96E-12	0.7994
rs11077961	17	8101274 9	A	G	0.42512	4.57E-11	0.5757
rs7227492	18	772064	T	C	0.25619	3.97E-13	0.8137
rs334414	18	7124612	C	C	0.236022	2.59E-16	0.9724
rs11665020	18	1087950 3	G	C	0.250599	3.19E-19	0.1699
rs11664781	18	1985054 4	C	T	0.218051	3.79E-15	0.5292
rs11664194	18	2002103 1	T	T	0.460463	9.67E-11	0.3748
rs4800420	18	2015896 5	G	A	0.26278	3.18E-10	0.8856
rs1025655	18	2459621 1	A	A	0.396965	1.04E-08	0.9239
rs10164193	18	3116142 6	T	G	0.116613	1.83E-23	0.1015
rs2615000	18	4229208 4	C	T	0.142572	3.28E-14	0.2675
rs9967367	18	4260609 1	C	T	0.429113	2.63E-15	0.6413
rs72902690	18	4276623 6	A	G	0.095248	1.34E-10	0.8131
rs8089368	18	4815445 4	A	A	0.143371	2.45E-15	0.9553
rs57091267	18	4817077 1	G	A	0.285942	3.75E-12	0.1696
rs11082866	18	4878973 6	A	T	0.206869	4.35E-09	0.5
rs34163044	18	5185161 6	C	A	0.448882	4.72E-09	0.893

rs72930926	18	5261167 2	C	A	0.086861	5.17E-10	0.3956
rs12605156	18	5349811 4	A	T	0.209864	2.83E-11	0.2983
rs10048404	18	5457848 2	C	T	0.251997	2.57E-13	0.1044
rs7235890	18	5573211 5	G	G	0.033546	2.52E-13	0.1011
rs12454712	18	6084588 4	T	C	0.375599	5.31E-77	0.7402
rs4891258	18	7299553 7	A	G	0.240415	7.34E-29	0.2595
rs12609484	19	4970593	G	T	0.304313	3.92E-17	0.3026
rs10424224	19	7240481	C	T	0.385583	2.21E-09	0.2004
rs12978472	19	7257990	C	G	0.068091	2.11E-43	0.3861
rs11671314	19	7258405	G	C	0.192891	3.82E-18	0.5801
rs2860184	19	7287748	C	G	0.225639	1.94E-09	0.2158
rs12462548	19	7295991	A	A	0.464457	8.51E-11	0.2192
rs35086839	19	7491215	A	C	0.192093	1.31E-08	0.1598
rs2009733	19	8398714	A	G	0.472644	1.37E-08	0.5765
rs10409243	19	1033298 8	C	T	0.420327	5.86E-14	0.5186
rs113783450	19	1127171 4	G	A	0.270966	1.77E-10	0.2275
rs968699	19	1128982 6	C	C	0.320887	6.31E-09	0.01237
rs116917543	19	1149613 0	A	C	0.055911	1.01E-08	0.7746
rs318699	19	1150124 0	A	A	0.2502	2.11E-23	0.668
rs2291516	19	1150817 7	G	A	0.210463	3.99E-08	0.9632
rs167479	19	1152676 5	G	T	0.445687	5.06E-23	0.5621
rs78162058	19	1158935 8	A	G	0.069888	5.82E-12	0.5256
rs66502847	19	1261564 6	A	G	0.265575	1.77E-13	0.4121
rs189556314	19	1310679 1	C	T	0.013379	8.36E-09	0.53
rs3745318	19	1643626 2	T	T	0.220647	1.78E-10	0.9117
rs10401771	19	1720991 4	G	A	0.487021	2.65E-08	0.8915

rs1077795	19	1722258 4	A	G	0.16234	4.61E-09	0.8094
rs72999033	19	1936663 2	C	T	0.026158	8.48E-12	0.1488
rs6511291	19	2195040 2	T	T	0.478035	2.29E-09	0.636
rs3786516	19	3010031 9	T	T	0.221645	1.28E-09	0.2106
rs7257694	19	3031466 6	C	T	0.192891	5.84E-11	0.03797
rs11084240	19	3034706 9	T	C	0.200879	1.82E-08	0.7966
rs8108717	19	3191191 4	A	A	0.350639	7.23E-09	0.7608
rs10421783	19	3245784 6	A	A	0.289337	4.23E-08	0.4699
rs1821295	19	3259077 3	C	C	0.156949	1.32E-10	0.3061
rs12983238	19	3943853 2	A	A	0.289137	5.81E-14	0.06412
rs55710016	19	4082873 0	G	A	0.423522	3.68E-09	0.9313
rs12983471	19	4104200 3	A	G	0.324081	1.11E-10	0.5677
rs11083560	19	4110040 6	C	G	0.259784	1.33E-18	0.08818
rs56254331	19	4182602 0	A	C	0.070288	1.51E-09	0.5239
rs73036520	19	4574948 4	G	C	0.130391	4.22E-09	0.3914
rs55706574	19	4755618 0	G	A	0.389377	8.43E-14	0.1844
rs679574	19	4920610 8	C	G	0.320687	2.28E-13	0.1779
rs73046792	19	4960570 5	G	A	0.054912	9.03E-24	0.8257
rs77350929	2	9805281	T	G	0.124002	1.32E-08	0.3868
rs1373780	2	1950102 9	G	C	0.272963	1.33E-08	0.9856
rs824522	2	1970772 6	G	A	0.11901	1.13E-12	0.2369
rs824487	2	1975103 1	G	G	0.197883	1.76E-08	0.9651

rs12471360	2	2000090 9	G	G	0.466054	3.41E-14	0.1372
rs342130	2	2071565 6	A	A	0.440695	3.60E-09	0.8398
rs11890632	2	2491815 9	T	T	0.239816	1.44E-08	0.8129
rs2384061	2	2513562 0	G	A	0.442292	7.25E-09	0.9184
rs1554903	2	2680960 6	G	C	0.090655	2.07E-14	0.1446
rs1275988	2	2691436 4	C	T	0.408946	1.43E-14	0.2714
rs6547850	2	2862934 3	G	T	0.446486	2.31E-08	0.05224
rs57361399	2	3752831 1	C	T	0.420527	4.73E-09	0.8535
rs7600995	2	3757502 6	C	C	0.297923	2.75E-20	0.8571
rs3731851	2	3788091 9	A	T	0.473642	4.40E-10	0.4152
rs35970998	2	4055892 3	A	G	0.266973	1.70E-09	0.4791
rs12611608	2	4057716 2	G	G	0.319289	2.18E-09	0.8837
rs11681462	2	4235256 7	A	C	0.111022	4.76E-09	0.2969
rs6732574	2	4305255 7	C	T	0.211462	2.71E-10	0.7251
rs10195828	2	4315217 9	C	G	0.184105	4.17E-09	0.7674
rs1867852	2	4315779 7	T	T	0.291134	6.10E-11	0.3446
rs76326501	2	4316787 8	A	C	0.03115	2.14E-08	0.4593
rs2374479	2	4320344 3	A	A	0.220447	9.37E-23	0.3926
rs10201456	2	4327782 3	G	G	0.310104	1.31E-09	0.319
rs4952660	2	4333214 3	A	C	0.492013	2.41E-08	0.2964
rs10167379	2	4339716 0	G	G	0.427316	6.73E-09	0.1805
rs34846921	2	4344672 3	C	T	0.123203	1.63E-12	0.02856



rs6708660	2	4375238 2	T	C	0.364217	4.17E-15	0.3066
rs35827613	2	4421547 4	T	G	0.444489	1.31E-14	0.9863
rs687914	2	4587876 0	G	T	0.108227	2.86E-08	0.5257
rs7602129	2	4623535 9	C	C	0.233027	3.94E-14	0.1571
rs10495928	2	4635316 6	A	G	0.321286	4.43E-08	0.2967
rs11690961	2	4636333 6	A	C	0.040535	6.49E-10	0.1804
rs1454393	2	5300222 5	C	A	0.462061	2.74E-15	0.5243
rs2586970	2	5582996 7	A	G	0.358427	2.61E-08	0.4095
rs72816333	2	6009656 0	A	T	0.172524	2.27E-37	0.9184
rs7608483	2	6183623 5	A	A	0.364018	1.72E-34	0.1521
rs13014371	2	6421778 6	T	C	0.237021	4.10E-17	0.8883
rs929698	2	6500875 6	A	A	0.441494	1.03E-12	0.4559
rs12052761	2	6906584 1	G	A	0.403954	7.57E-12	0.03242
rs1876489	2	7305227 3	G	G	0.40655	6.52E-09	0.6604
rs6546810	2	7338971 6	T	C	0.499401	3.58E-10	0.4737
rs2421664	2	7385888 1	C	C	0.499401	3.83E-36	0.07968
rs111384899	2	8562018 8	T	C	0.135982	8.04E-15	0.06174
rs311564	2	8629349 8	G	A	0.356829	2.49E-09	0.05142
rs1813381	2	9642293 9	T	C	0.178315	1.19E-12	0.5275
rs4907238	2	9719719 5	A	G	0.400359	2.67E-12	0.6779
rs28377357	2	1.13E+0 8	G	A	0.288938	5.09E-10	0.2873
rs62158170	2	1.14E+0 8	A	G	0.16893	2.34E-08	0.4291

rs10864859	2	1.21E+0 8	G	G	0.223243	2.88E-09	0.7726
rs7606205	2	1.44E+0 8	A	C	0.397564	9.90E-23	0.1635
rs55990632	2	1.45E+0 8	A	G	0.010383	3.27E-75	0.2824
rs11682590	2	1.46E+0 8	G	C	0.030551	1.17E-12	0.31
rs72854462	2	1.46E+0 8	A	G	0.159145	2.62E-09	0.9336
rs62167177	2	1.46E+0 8	A	T	0.06909	9.29E-14	0.4227
rs114654100	2	1.46E+0 8	G	A	0.029553	1.70E-10	0.5265
rs4662247	2	1.46E+0 8	A	A	0.381589	5.04E-10	0.1766
rs62169544	2	1.47E+0 8	G	A	0.341254	3.33E-09	0.6921
rs12990959	2	1.49E+0 8	T	C	0.345847	1.95E-08	0.3433
rs1220128	2	1.58E+0 8	G	G	0.245208	7.19E-10	0.008439
rs72936986	2	1.59E+0 8	A	C	0.125399	2.26E-16	0.8546
rs16848690	2	1.64E+0 8	C	T	0.210463	8.77E-13	0.9651
rs12989633	2	1.65E+0 8	T	C	0.025359	1.00E-08	0.2112
rs16849203	2	1.65E+0 8	T	C	0.007388	1.14E-11	0.915
rs73029563	2	1.65E+0 8	C	G	0.358826	8.78E-16	0.9895
rs78697967	2	1.65E+0 8	G	C	0.011182	1.37E-08	0.0197
rs146069750	2	1.65E+0 8	G	A	0.029752	4.77E-88	0.3577
rs10195252	2	1.66E+0 8	T	C	0.396965	1.42E-31	0.9356
rs6758859	2	1.74E+0 8	T	C	0.377396	3.29E-08	0.3799
rs12623637	2	1.78E+0 8	A	A	0.40615	6.99E-19	0.8679
rs6715901	2	1.80E+0 8	G	A	0.276358	1.22E-08	0.261

rs17362588	2	1.80E+08	G	A	0.035743	1.18E-13	0.9772
rs10184839	2	1.82E+08	A	A	0.167133	3.25E-08	0.526
rs13420407	2	1.83E+08	A	G	0.264577	1.03E-08	0.7955
rs12693302	2	1.83E+08	G	A	0.461661	4.06E-08	0.7065
rs76820456	2	1.83E+08	T	C	0.006589	5.77E-26	0.6519
rs7576060	2	1.88E+08	C	T	0.317891	1.24E-57	0.7598
rs7592578	2	1.91E+08	T	T	0.175319	5.61E-12	0.587
rs10198390	2	1.92E+08	G	T	0.326877	9.54E-12	0.2305
rs4675297	2	2.04E+08	A	G	0.363419	3.13E-08	0.8717
rs2162003	2	2.05E+08	T	C	0.354433	1.68E-09	0.7985
rs1263671	2	2.08E+08	T	C	0.194888	1.24E-14	0.1051
rs4675682	2	2.08E+08	T	C	0.394169	7.96E-40	0.3857
rs6713398	2	2.09E+08	C	A	0.374401	3.00E-12	0.5981
rs1047891	2	2.12E+08	C	A	0.288538	9.07E-10	0.7163
rs1035673	2	2.19E+08	T	T	0.387979	1.03E-08	0.9937
rs1863798	2	2.19E+08	A	A	0.498203	2.66E-20	0.2037
rs1996992	2	2.20E+08	G	T	0.077875	2.88E-09	0.7545
rs12474050	2	2.20E+08	C	T	0.417133	1.60E-60	0.01503
rs10804330	2	2.27E+08	T	C	0.300719	2.71E-11	0.4102
rs1044822	2	2.31E+08	C	T	0.1248	2.75E-11	0.1643
rs4507125	2	2.40E+08	A	C	0.222644	2.11E-16	0.4804
rs67535236	20	4097355	A	G	0.090855	1.45E-09	0.964
rs297690	20	4426656	T	T	0.293331	1.32E-13	0.4383

rs6054139	20	6327810	G	G	0.355232	9.48E-16	0.1397
rs6039211	20	8616588	A	G	0.440296	1.56E-09	0.09182
rs6077799	20	1042617 4	A	G	0.351238	2.94E-23	0.5782
rs693974	20	1055725 2	C	C	0.442692	1.15E-14	0.9226
rs73075346	20	1062722 8	C	G	0.119808	8.64E-15	0.6974
rs78837242	20	1072411 0	C	T	0.028155	1.57E-58	0.6894
rs78845099	20	1074361 2	A	T	0.11901	2.51E-10	0.8749
rs77463299	20	1081069 8	G	T	0.023762	1.81E-18	0.6487
rs6040225	20	1087496 6	C	C	0.416733	1.10E-23	0.7427
rs6040260	20	1095469 1	G	C	0.391374	1.29E-10	0.3381
rs1327235	20	1096903 0	A	G	0.464457	5.02E-09	0.6616
rs6108801	20	1098951 9	C	T	0.070687	4.45E-08	0.8662
rs6040421	20	1117046 9	A	G	0.434105	8.74E-10	0.5321
rs1232482	20	1188664 3	C	T	0.315695	3.44E-10	0.3254
rs13044147	20	1760511 1	T	G	0.0627	1.17E-13	0.4369
rs6081555	20	1924572 3	G	T	0.284744	1.64E-31	0.2648
rs6046137	20	1946683 2	A	G	0.301917	1.23E-49	0.3611
rs6137201	20	2095766 9	A	T	0.258986	5.16E-11	0.06863
rs6060262	20	3019307 1	A	C	0.286542	2.97E-14	0.3187
rs13042148	20	3229828 6	C	T	0.062101	1.47E-09	0.1828
rs4810332	20	4026833 4	T	A	0.484026	7.37E-09	0.5272
rs58442973	20	4277097 2	G	A	0.175919	1.89E-10	0.2736
rs6031431	20	4279515 2	A	G	0.431709	2.24E-12	0.3187

rs4315587	20	4721464 4	A	A	0.290335	2.23E-10	0.8877
rs79044887	20	4742783 1	C	G	0.084465	2.40E-11	0.1538
rs237485	20	4800423 8	A	G	0.28754	1.59E-33	0.2987
rs6021247	20	5010898 0	G	G	0.319888	2.42E-21	0.07362
rs2801008	20	5178871 8	T	G	0.375599	1.27E-14	0.2611
rs117455294	20	5742795 1	C	A	0.010982	2.92E-10	0.6391
rs75803555	20	5745781 9	C	T	0.057907	1.31E-21	0.9576
rs234623	20	5748896 4	G	G	0.40615	4.51E-16	0.19
rs151356	20	5760794 9	G	A	0.139577	8.81E-11	0.5588
rs1535271	20	5773475 3	G	A	0.283147	3.15E-13	0.4758
rs6026739	20	5773946 9	A	T	0.135184	2.53E-46	0.04988
rs6062295	20	6229117 4	A	G	0.437899	2.05E-20	0.9635
rs6742	20	6237444 1	T	T	0.211462	1.37E-14	0.556
rs6062530	20	6241838 5	T	G	0.213259	2.68E-17	0.8126
rs4809361	20	6244766 2	T	T	0.201478	3.18E-09	0.4823
rs6011210	20	6252992 3	A	A	0.288538	1.01E-14	0.1961
rs73153123	20	6264199 4	G	A	0.06909	2.30E-08	0.8594
rs2275292	20	6266105 2	T	C	0.195887	9.61E-09	0.9118
rs35213536	20	6269431 9	G	T	0.195687	6.02E-19	0.01232
rs1882961	21	1655636 7	C	T	0.226837	3.41E-11	0.1085
rs71326977	21	3529097 5	C	A	0.188898	2.75E-11	0.4394
rs8128234	21	3647086 5	C	T	0.226438	1.35E-11	0.001603

rs2836411	21	3981983 0	C	T	0.326877	1.77E-12	0.009845
rs2836489	21	3991068 0	C	T	0.494409	2.02E-19	0.7372
rs762384	21	4007439 6	C	C	0.179113	1.91E-08	0.7454
rs1571737	21	4353067 1	T	C	0.185104	1.40E-12	0.1564
rs8133022	21	4471870 8	A	A	0.148363	2.85E-14	0.2028
rs79094191	21	4472089 0	T	C	0.032548	1.49E-46	0.09328
rs12627514	21	4475944 0	C	G	0.241214	1.01E-09	0.2495
rs7280794	21	4477690 5	A	A	0.265575	1.63E-34	0.1718
rs4818833	21	4498954 7	A	A	0.202276	1.27E-08	0.5491
rs378459	22	1828529 9	T	C	0.267372	3.92E-10	0.1887
rs5992929	22	1845197 7	C	T	0.21246	9.78E-11	0.3801
rs134041	22	2805633 8	T	T	0.391973	1.37E-08	0.1655
rs6005856	22	2914228 6	G	A	0.097444	2.40E-18	0.1895
rs12321	22	2945319 3	G	C	0.40595	1.07E-09	0.03387
rs4347951	22	2951332 6	T	C	0.279952	5.68E-09	0.1529
rs12484046	22	3143965 0	G	A	0.24361	1.71E-14	0.2025
rs17683807	22	3250800 4	T	C	0.17492	2.51E-16	0.5192
rs2012831	22	3683726 0	G	A	0.432109	4.93E-09	0.0213
rs347585	3	1128622 0	C	C	0.384984	2.17E-08	0.2709
rs2616551	3	1166712 3	A	G	0.304113	3.92E-11	0.1942
rs1687295	3	1488975 6	T	T	0.185304	6.64E-10	0.1517
rs6442608	3	1658827 3	T	C	0.431709	3.53E-10	0.0859

rs4634143	3	2316374 9	T	T	0.203674	2.91E-08	0.9729
rs2643826	3	2756298 8	C	C	0.461062	6.93E-16	0.5042
rs9882581	3	2769900 1	T	C	0.343051	2.21E-08	0.2607
rs72851229	3	2937421 9	G	C	0.201478	2.92E-10	0.0698
rs56401299	3	3042256 3	C	T	0.260783	2.32E-87	0.09629
rs7427249	3	3757248 9	G	G	0.409345	5.65E-09	0.8854
rs4974072	3	4122258 6	G	A	0.328674	3.44E-16	0.4753
rs144282473	3	4146733 3	C	T	0.008586	6.97E-09	0.2472
rs114714860	3	4188290 5	G	C	0.318091	1.00E-18	0.9212
rs113134141	3	4686193 9	A	G	0.204473	2.97E-10	0.205
rs62260779	3	4800946 7	C	T	0.027356	1.11E-10	0.4597
rs6442105	3	4818232 6	A	A	0.276558	5.19E-11	0.5987
rs36022378	3	4991370 5	T	C	0.105232	1.14E-08	0.06465
rs3821843	3	5355801 2	G	G	0.327077	6.14E-15	0.06201
rs2680663	3	5373529 9	A	G	0.373003	1.63E-08	0.9135
rs62250937	3	5387031 8	T	C	0.096845	6.08E-09	0.9408
rs3772219	3	5677125 1	A	C	0.414736	1.16E-22	0.5596
rs11130567	3	5707411 9	C	C	0.289337	8.14E-09	0.6628
rs12486605	3	5770650 3	T	T	0.446286	1.96E-12	0.0862
rs3774702	3	6385687 0	G	A	0.228235	3.94E-08	0.3493
rs9870517	3	6470860 0	A	A	0.351837	5.90E-12	0.3513
rs4499560	3	7092048 5	A	A	0.453075	1.02E-10	0.4076

rs7623706	3	7471275 4	A	G	0.198882	1.13E-11	0.1708
rs62263915	3	8566309 7	C	C	0.467452	9.57E-10	0.6342
rs6809755	3	1.01E+0 8	A	T	0.444888	1.89E-60	0.8504
rs28675079	3	1.12E+0 8	G	A	0.253594	3.37E-14	0.4616
rs1282980	3	1.12E+0 8	T	C	0.190296	3.70E-08	0.702
rs9834975	3	1.22E+0 8	A	T	0.425519	2.92E-42	0.3771
rs34605102	3	1.24E+0 8	G	A	0.385583	8.69E-17	0.6039
rs4141663	3	1.25E+0 8	C	T	0.492212	4.57E-08	0.1897
rs62264113	3	1.27E+0 8	G	A	0.152556	1.05E-08	0.03923
rs4077158	3	1.34E+0 8	T	C	0.381989	2.25E-16	0.3418
rs71331756	3	1.34E+0 8	C	T	0.024361	2.00E-08	0.3301
rs12495847	3	1.34E+0 8	A	A	0.420128	4.16E-10	0.9391
rs6807945	3	1.38E+0 8	C	C	0.134185	9.65E-09	0.2277
rs74734425	3	1.41E+0 8	C	T	0.020567	1.09E-17	0.5056
rs9844972	3	1.50E+0 8	G	C	0.020367	3.72E-14	0.5739
rs73158427	3	1.54E+0 8	T	A	0.133786	4.07E-08	0.9908
rs78809139	3	1.55E+0 8	G	A	0.052915	1.53E-16	0.4812
rs78151625	3	1.58E+0 8	T	C	0.140775	1.93E-08	0.5403
rs9683091	3	1.69E+0 8	A	C	0.41853	1.54E-51	0.8979
rs2242338	3	1.69E+0 8	A	C	0.136182	1.93E-08	0.4036
rs62294304	3	1.69E+0 8	T	A	0.019768	2.76E-23	0.1025
rs7626980	3	1.69E+0 8	G	G	0.366813	3.35E-08	0.5017



rs2421651	3	1.69E+08	A	G	0.472644	7.04E-18	0.1685
rs4955571	3	1.69E+08	G	G	0.261182	1.75E-12	0.3178
rs6444866	3	1.69E+08	G	A	0.07488	4.03E-18	0.834
rs4894808	3	1.72E+08	G	C	0.388778	1.21E-08	0.6379
rs7611674	3	1.79E+08	T	G	0.291534	7.23E-15	0.0982
rs12630496	3	1.83E+08	T	C	0.426318	9.84E-13	0.3528
rs6779368	3	1.85E+08	A	G	0.425919	2.14E-11	0.1459
rs73175562	3	1.85E+08	A	G	0.030951	8.14E-09	0.8414
rs147501096	3	1.86E+08	G	C	0.018171	6.47E-10	0.5608
rs6776964	3	1.89E+08	G	A	0.48722	1.10E-12	0.9079
rs1706003	3	1.94E+08	G	T	0.203275	1.05E-11	0.1211
rs9823829	3	1.95E+08	G	A	0.286741	1.40E-09	0.1835
rs4244200	3	1.96E+08	G	C	0.323083	7.23E-10	0.2955
rs6777317	3	1.97E+08	G	G	0.388978	1.86E-10	0.8783
rs61789369	4	2265295	A	G	0.034145	1.31E-62	0.4037
rs12513171	4	17997541	T	C	0.267173	7.76E-11	0.7668
rs16896276	4	18015156	T	A	0.23123	6.33E-11	0.0553
rs28667801	4	26785356	A	T	0.400759	6.20E-35	0.4764
rs1878825	4	36091370	C	G	0.326078	5.03E-15	0.4924
rs11721984	4	38343935	C	T	0.207668	2.77E-08	0.6562
rs62301873	4	40603821	A	G	0.111422	2.40E-10	0.8325
rs4998802	4	48800910	G	A	0.178514	1.13E-09	0.986

rs871606	4	5479924 5	T	C	0.207867	1.17E-08	0.8399
rs11945489	4	5646377 5	C	T	0.333067	5.80E-10	0.7982
rs6551716	4	6357569 6	T	T	0.157947	6.66E-12	0.5953
rs34587285	4	7334949 1	C	T	0.36881	5.11E-20	0.0764
rs6838416	4	7737882 9	G	G	0.360024	2.12E-17	0.5273
rs72656514	4	8110464 3	G	A	0.228634	2.54E-13	0.9414
rs11934116	4	8115010 9	C	T	0.310104	5.84E-25	0.1586
rs13125101	4	8117459 2	G	A	0.232428	1.67E-19	0.2981
rs72976750	4	8672568 4	T	C	0.160543	6.57E-180	0.161
rs2085600	4	8977990 9	G	A	0.283147	1.24E-08	0.4875
rs1807870	4	8994767 1	A	A	0.471845	2.01E-08	0.5614
rs7694000	4	9532496 8	A	A	0.46226	2.08E-11	0.9222
rs1527351	4	1.02E+0 8	T	C	0.442093	2.27E-22	0.7363
rs17249006	4	1.02E+0 8	C	T	0.086661	1.07E-18	0.1268
rs34814827	4	1.03E+0 8	C	T	0.290535	2.09E-09	0.9187
rs151378	4	1.03E+0 8	G	A	0.332468	1.35E-23	0.6646
rs13107325	4	1.03E+0 8	C	T	0.023562	1.61E-26	0.3558
rs62327956	4	1.03E+0 8	A	T	0.283147	4.43E-14	0.9212
rs7695249	4	1.03E+0 8	C	T	0.261382	1.06E-15	0.1974
rs223361	4	1.04E+0 8	T	C	0.391773	7.35E-10	0.2998
rs13112725	4	1.07E+0 8	G	G	0.342452	2.21E-50	0.4067
rs7694643	4	1.09E+0 8	G	G	0.461062	4.13E-12	0.8503

rs2348212	4	1.11E+08	G	A	0.259185	1.06E-08	0.01923
rs1879056	4	1.11E+08	C	C	0.419728	2.49E-12	0.4
rs6813719	4	1.11E+08	A	A	0.372604	4.60E-08	0.4381
rs4834735	4	1.20E+08	T	T	0.162141	1.04E-08	0.5818
rs66887589	4	1.21E+08	T	C	0.497204	6.35E-18	0.4459
rs10002908	4	1.38E+08	A	T	0.292732	1.35E-08	0.003693
rs4864422	4	1.38E+08	A	G	0.485623	3.96E-20	0.4909
rs9286351	4	1.38E+08	A	A	0.446885	1.45E-16	0.01324
rs72719149	4	1.44E+08	T	C	0.26238	4.47E-15	0.4027
rs4292285	4	1.45E+08	T	A	0.41234	1.14E-09	0.8925
rs10007819	4	1.49E+08	T	T	0.430711	4.79E-11	0.2328
rs4240358	4	1.51E+08	A	A	0.183107	4.89E-08	0.1378
rs2880099	4	1.56E+08	A	A	0.215056	1.67E-21	0.2079
rs1123037	4	1.57E+08	T	A	0.479233	1.09E-14	0.9096
rs11100007	4	1.57E+08	A	G	0.176318	1.61E-09	0.8853
rs13139571	4	1.57E+08	C	A	0.211462	2.60E-13	0.5208
rs148004190	4	1.57E+08	C	T	0.126797	4.07E-10	0.6701
rs6819297	4	1.57E+08	G	T	0.233826	4.78E-10	0.01857
rs1425486	4	1.58E+08	C	C	0.466454	1.75E-10	0.1633
rs6555205	5	360543	C	T	0.460264	6.59E-11	0.2173
rs10069690	5	1279790	C	T	0.347644	1.38E-08	0.3012
rs954767	5	3706050	A	C	0.267173	3.95E-11	0.143
rs2921604	5	14867948	T	C	0.406949	2.73E-08	0.06576

rs1458051	5	3268947 2	G	A	0.21266	9.74E-09	0.1153
rs9716700	5	3271163 3	C	A	0.067492	5.23E-11	0.533
rs10053638	5	3276038 3	T	C	0.142572	1.08E-10	0.04591
rs72742734	5	3277327 5	A	G	0.023363	1.00E-10	0.05752
rs12656497	5	3283193 9	T	T	0.405551	1.74E-08	0.187
rs146816907	5	3287621 0	G	A	0.007588	2.90E-11	0.4772
rs1494651	5	3294083 9	G	A	0.314497	1.30E-10	0.1172
rs10941043	5	3319475 1	T	G	0.257388	8.46E-10	0.4468
rs2940928	5	4242390 5	A	A	0.13758	7.44E-09	0.5366
rs6875967	5	5087829 2	A	A	0.370407	2.81E-13	0.4691
rs1694068	5	5328363 0	T	T	0.315895	1.99E-13	0.6795
rs10054208	5	5568899 2	C	T	0.308906	1.97E-08	0.4807
rs13179413	5	5586809 7	C	T	0.225839	2.10E-08	0.8797
rs984113	5	5591253 3	G	G	0.486821	2.20E-13	0.7987
rs1035514	5	5603787 8	G	G	0.144768	1.30E-08	0.03753
rs2221678	5	5637364 4	G	A	0.319089	2.11E-08	0.5497
rs17735275	5	5655894 9	G	A	0.01258	3.36E-08	0.07142
rs10036435	5	5674483 3	C	G	0.098642	5.29E-13	0.8478
rs12515541	5	5709501 1	G	G	0.397364	1.21E-11	0.6364
rs13170721	5	5735919 2	C	G	0.03774	9.04E-10	0.7987
rs1848510	5	5775400 5	G	A	0.403155	2.86E-09	0.2664
rs10062049	5	6155388 1	C	T	0.18111	1.77E-11	0.8544

rs6889240	5	6632094 0	A	G	0.124401	6.59E-09	0.6779
rs10066799	5	6770839 0	G	T	0.383986	3.12E-09	0.3391
rs152130	5	6800689 8	A	G	0.226438	1.24E-08	0.5134
rs2307111	5	7500367 8	T	T	0.384385	7.98E-10	0.6272
rs4704514	5	7782008 1	C	T	0.214257	4.37E-11	0.06999
rs10042590	5	8777331 8	G	A	0.056709	1.75E-10	0.9413
rs17422386	5	8786582 5	G	A	0.017372	7.40E-09	0.5461
rs62380354	5	8948491 1	A	C	0.038339	7.84E-14	0.1486
rs4489092	5	9042064 4	G	T	0.441693	3.14E-09	0.2954
rs77151571	5	9184336 9	T	C	0.094649	1.78E-08	0.4722
rs7731530	5	9198335 4	C	C	0.215256	3.94E-14	0.5154
rs28081	5	9609299 0	A	A	0.215455	1.07E-09	0.1555
rs55770741	5	9622008 7	C	C	0.341653	9.51E-10	0.669
rs1871190	5	9795371 9	G	T	0.308706	1.57E-13	0.9588
rs9326869	5	1.12E+0 8	T	T	0.215855	1.60E-27	0.072
rs11241305	5	1.14E+0 8	C	A	0.353834	9.62E-21	0.02309
rs450354	5	1.22E+0 8	T	T	0.07508	6.43E-13	0.6721
rs1422278	5	1.22E+0 8	G	T	0.24361	4.43E-08	0.8958
rs13156484	5	1.23E+0 8	G	G	0.426717	2.32E-10	0.107
rs57885458	5	1.23E+0 8	T	C	0.147963	3.40E-08	0.326
rs6892983	5	1.28E+0 8	C	A	0.480232	2.80E-10	0.5942
rs2667735	5	1.32E+0 8	A	A	0.11901	4.22E-10	0.1091

rs736801	5	1.32E+08	C	T	0.134585	2.83E-18	0.3543
rs55747751	5	1.32E+08	G	A	0.019169	1.30E-08	0.1811
rs7708525	5	1.42E+08	T	T	0.116014	3.38E-08	0.4724
rs3776299	5	1.43E+08	G	A	0.252196	1.30E-19	0.6792
rs9716164	5	1.48E+08	C	T	0.471246	1.49E-08	0.2457
rs78909293	5	1.48E+08	T	C	0.077875	8.67E-13	0.09786
rs994446	5	1.48E+08	G	A	0.277556	4.92E-08	0.5409
rs3117736	5	1.57E+08	C	T	0.208466	2.77E-09	0.5038
rs1650554	5	1.58E+08	G	G	0.388179	5.21E-99	0.249
rs62385131	5	1.58E+08	C	T	0.013578	2.41E-19	0.5183
rs113644149	5	1.58E+08	G	A	0.023363	7.37E-19	0.9736
rs11960210	5	1.58E+08	T	C	0.415335	8.52E-09	0.5198
rs2963444	5	1.58E+08	C	G	0.378994	1.29E-09	0.5862
rs34296591	5	1.58E+08	C	G	0.23143	9.82E-09	0.7943
rs2546963	5	1.60E+08	C	C	0.49381	7.23E-10	0.6754
rs6555948	5	1.71E+08	A	A	0.454473	3.72E-08	0.03266
rs114503346	5	1.72E+08	C	T	0.015575	6.23E-11	0.2178
rs28362590	5	1.77E+08	G	G	0.287939	3.48E-13	0.161
rs2569882	6	1620147	T	T	0.375	1.11E-08	0.0872
rs9406076	6	8023804	C	T	0.333666	1.46E-18	0.24
rs2282823	6	15478336	C	C	0.114617	8.28E-84	0.2403
rs61408836	6	17302857	C	T	0.205272	1.27E-16	0.1824
rs35261542	6	20675792	C	A	0.277556	6.52E-10	0.8934

rs1543310	6	2211041 8	T	T	0.246206	2.53E-08	0.1112
rs2744133	6	2239226 0	A	G	0.184105	8.73E-37	0.6511
rs2182931	6	2539724 6	G	G	0.365016	4.95E-21	0.3738
rs9348687	6	2559248 9	A	A	0.446486	5.95E-10	0.6901
rs4712955	6	2568427 9	A	A	0.401358	2.90E-10	0.7717
rs9348689	6	2568465 3	G	T	0.488219	9.84E-24	0.9601
rs76376636	6	2591688 8	G	A	0.007189	5.06E-09	0.669
rs13196986	6	2609045 2	T	C	0.312899	9.62E-09	0.03388
rs1800562	6	2609314 1	G	A	0.01258	2.84E-08	0.1678
rs198851	6	2610463 2	T	T	0.073283	4.32E-14	0.4577
rs74571768	6	2612254 7	G	A	0.091653	2.98E-09	0.1508
rs16891474	6	2623945 3	T	G	0.171526	7.44E-15	0.05977
rs113352426	6	2644762 5	C	T	0.029553	3.38E-08	0.4675
rs6456739	6	2660414 0	T	T	0.362819	3.17E-08	0.0692
rs9348765	6	2731465 0	A	T	0.296725	4.49E-08	0.7804
rs175954	6	2801158 5	A	G	0.257987	1.03E-11	0.09677
rs416568	6	2964762 8	T	A	0.34345	5.69E-11	0.4672
rs3129054	6	2964905 6	C	T	0.336462	3.99E-25	0.5672
rs116306020	6	3096267 8	G	A	0.029553	7.59E-09	0.3455
rs4495304	6	3108071 8	T	C	0.103035	8.07E-10	0.1064
rs1265102	6	3110278 1	A	G	0.261182	3.72E-45	0.04218
rs2854001	6	3132301 2	G	A	0.145966	4.81E-19	0.4857

rs2534687	6	3146160 8	C	T	0.35643	2.42E-12	0.9362
rs1144708	6	3171002 0	C	C	0.497604	2.81E-15	0.09047
rs62395847	6	3185081 3	T	C	0.010783	3.70E-11	0.6749
rs115521166	6	3193006 3	G	A	0.013778	1.55E-10	0.1069
rs389883	6	3194746 0	G	G	0.160743	8.12E-10	0.9586
rs9270623	6	3256533 1	A	C	0.214856	3.76E-14	0.3021
rs17425622	6	3257196 1	T	C	0.083666	1.07E-08	0.7468
rs150359	6	3292206 8	A	A	0.430312	9.75E-18	0.7621
rs3130165	6	3313022 6	C	G	0.317692	9.13E-15	0.03863
rs41317098	6	3314446 6	C	A	0.102436	1.36E-09	0.6676
rs4713650	6	3361682 8	C	C	0.360823	1.29E-08	0.07378
rs115245297	6	3424413 2	T	C	0.012979	6.10E-13	0.6612
rs4714224	6	3918674 3	G	C	0.267971	4.44E-16	0.0395
rs56370893	6	3929788 5	G	A	0.066094	1.58E-19	0.01579
rs6912283	6	4336449 4	G	A	0.418131	1.14E-10	0.2051
rs78345441	6	4373326 1	A	G	0.017772	4.19E-09	0.5265
rs6905288	6	4375887 3	G	G	0.354832	1.29E-09	0.9732
rs9472135	6	4380980 2	T	C	0.195487	7.73E-28	0.1164
rs6458374	6	4418131 5	C	C	0.197883	5.08E-10	0.06384
rs78648104	6	5068300 9	T	C	0.079473	1.22E-08	0.2556
rs7772884	6	5104092 6	T	T	0.386581	1.45E-10	0.02708
rs714785	6	5153698 3	G	A	0.013978	1.17E-10	0.7845



rs481795	6	5156887 1	T	T	0.325479	3.09E-08	0.07293
rs6458798	6	5171907 4	A	A	0.063698	4.40E-24	0.6386
rs9296668	6	5183826 3	A	G	0.337061	2.22E-08	0.8311
rs62413470	6	5599953 7	G	A	0.164537	1.35E-11	0.2432
rs504691	6	7220662 0	C	A	0.454872	4.84E-18	0.2526
rs1984195	6	7965739 1	G	G	0.491813	8.91E-10	0.5047
rs7753695	6	8081853 1	C	T	0.38778	2.03E-08	0.3728
rs7763102	6	8227923 7	C	A	0.194089	1.38E-32	0.1785
rs16875357	6	8565290 4	T	G	0.217053	3.56E-08	0.01191
rs3798293	6	9703337 0	A	G	0.146565	7.90E-12	0.1328
rs9496614	6	1.01E+0 8	T	C	0.173123	5.40E-12	0.03509
rs72613227	6	1.06E+0 8	A	T	0.127995	9.77E-13	0.8049
rs9386780	6	1.10E+0 8	A	A	0.421326	5.06E-09	0.9818
rs3822857	6	1.16E+0 8	G	C	0.253395	9.56E-10	0.6778
rs631089	6	1.17E+0 8	C	A	0.339058	4.19E-23	0.03397
rs2693560	6	1.18E+0 8	A	A	0.290935	1.30E-13	0.2631
rs56240052	6	1.19E+0 8	A	G	0.016973	9.95E-10	0.5758
rs11153730	6	1.19E+0 8	T	C	0.326877	9.05E-10	0.4463
rs9401090	6	1.19E+0 8	T	C	0.232428	2.27E-12	0.5734
rs9375033	6	1.22E+0 8	T	T	0.407748	3.53E-08	0.1542
rs2269579	6	1.22E+0 8	A	G	0.306709	2.19E-09	0.01511
rs1268123	6	1.26E+0 8	C	T	0.078474	5.70E-12	0.05512

rs9321065	6	1.27E+08	G	G	0.421925	6.33E-09	0.2307
rs9401911	6	1.27E+08	T	C	0.027157	7.11E-37	0.408
rs13215166	6	1.27E+08	A	G	0.359026	1.20E-31	0.6558
rs185867463	6	1.27E+08	G	C	0.010783	5.22E-14	0.7214
rs75718977	6	1.34E+08	T	C	0.02496	3.81E-12	0.03232
rs12192720	6	1.34E+08	G	A	0.426518	3.45E-09	0.7406
rs9399136	6	1.35E+08	T	C	0.149161	9.54E-22	0.8376
rs668459	6	1.40E+08	C	T	0.481829	3.32E-10	0.8308
rs645144	6	1.41E+08	T	C	0.338259	6.30E-24	0.3798
rs13195550	6	1.43E+08	C	T	0.232228	2.08E-15	0.6369
rs9399437	6	1.44E+08	G	A	0.229233	1.92E-08	0.5986
rs588273	6	1.48E+08	A	G	0.491613	7.59E-09	0.6984
rs17080093	6	1.51E+08	C	T	0.158147	2.01E-12	0.07276
rs851966	6	1.52E+08	A	A	0.436701	1.16E-09	0.6848
rs9478282	6	1.52E+08	C	T	0.267971	7.33E-28	0.3183
rs2695258	6	1.53E+08	C	T	0.210264	3.07E-09	0.6874
rs9479509	6	1.53E+08	G	A	0.39976	5.63E-10	0.1064
rs9456648	6	1.62E+08	C	T	0.1248	6.95E-10	0.1334
rs12665161	6	1.64E+08	G	A	0.342652	8.55E-09	0.467
rs4709746	6	1.64E+08	C	T	0.106629	1.43E-15	0.7595
rs2934849	6	1.66E+08	T	T	0.299321	1.64E-08	0.9847
rs11961593	6	1.66E+08	C	T	0.195487	2.78E-14	0.8396

rs1322639	6	1.70E+08	G	G	0.334065	2.60E-08	0.7963
rs73033340	7	1195692	A	G	0.011182	8.69E-10	0.6887
rs12702448	7	1205975	G	G	0.47504	5.18E-10	0.6842
rs3996330	7	2018823	C	C	0.430312	1.32E-09	0.1392
rs2906152	7	2523003	G	G	0.229433	1.87E-11	0.01363
rs798502	7	2789880	A	C	0.209864	2.94E-08	0.582
rs1468520	7	7290732	A	G	0.294728	2.04E-13	0.1878
rs13240040	7	14375977	A	G	0.29373	8.62E-11	0.5897
rs818508	7	16719917	T	C	0.357628	6.96E-12	0.9997
rs11543651	7	18590659	T	C	0.278355	2.72E-16	0.3696
rs4507656	7	22156538	C	G	0.20627	4.24E-10	0.4778
rs2040637	7	25694474	A	A	0.303914	9.63E-17	0.005441
rs896312	7	25935030	T	C	0.398962	3.61E-09	0.3789
rs1725074	7	27144921	C	T	0.253994	1.51E-10	0.01943
rs3779456	7	27214557	T	C	0.398562	2.01E-09	0.7405
rs3735533	7	27245893	T	T	0.133387	4.12E-09	0.5197
rs12535894	7	27329173	C	G	0.097444	2.73E-08	0.4712
rs10245801	7	27394232	A	A	0.25619	5.72E-10	0.5964
rs3206736	7	35238532	A	T	0.398562	1.16E-13	0.03992
rs343000	7	35477175	C	C	0.193091	1.05E-08	0.4606
rs73105827	7	45036785	G	T	0.034545	8.46E-65	0.0624
rs10260816	7	46010100	C	G	0.475639	1.60E-13	0.1831
rs17454517	7	50915776	A	A	0.397165	3.44E-14	0.7386
rs1178979	7	72856430	T	C	0.171725	4.92E-14	0.04598
rs3807101	7	80393418	C	T	0.106829	4.72E-17	0.1286

rs39281	7	8977848 9	A	G	0.339457	5.10E-12	0.4574
rs1947228	7	9646164 9	T	C	0.374201	2.89E-11	0.8282
rs7788746	7	9961240 5	G	G	0.358027	4.75E-11	0.1162
rs314376	7	1.00E+0 8	A	G	0.463059	1.29E-08	0.02254
rs4556017	7	1.01E+0 8	C	C	0.052915	6.94E-14	0.7329
rs12536606	7	1.08E+0 8	C	T	0.169728	5.19E-13	0.01821
rs2402668	7	1.23E+0 8	T	T	0.201877	9.88E-17	0.678
rs11556924	7	1.30E+0 8	C	T	0.155751	1.67E-82	0.4434
rs3996352	7	1.30E+0 8	A	G	0.343251	1.80E-09	0.04924
rs10228513	7	1.31E+0 8	T	T	0.488818	1.77E-08	0.2453
rs75511781	7	1.31E+0 8	A	G	0.035743	2.92E-08	0.5885
rs6957161	7	1.31E+0 8	A	A	0.394169	1.30E-11	0.5784
rs1722886	7	1.34E+0 8	A	T	0.489816	3.50E-11	0.9833
rs12703989	7	1.40E+0 8	G	A	0.322883	1.62E-23	0.04742
rs3735318	7	1.49E+0 8	G	G	0.395168	5.95E-15	0.3859
rs58391005	7	1.50E+0 8	G	A	0.213458	6.89E-11	0.5944
rs66743416	7	1.50E+0 8	C	T	0.118411	1.12E-09	0.778
rs741066	7	1.51E+0 8	C	T	0.196486	6.28E-25	0.08545
rs956642	7	1.51E+0 8	G	G	0.323083	1.28E-11	0.08118
rs3807377	7	1.51E+0 8	A	G	0.430511	1.39E-13	0.3252
rs3918226	7	1.51E+0 8	C	T	0.028954	2.37E-08	0.2388
rs891511	7	1.51E+0 8	G	G	0.479633	3.13E-13	0.6322

rs79684285	7	1.51E+0 8	C	T	0.007987	3.23E-10	0.2072
rs10246655	7	1.51E+0 8	G	C	0.316494	2.72E-11	0.9894
rs6464165	7	1.51E+0 8	T	C	0.178914	1.15E-08	0.2406
rs1870735	7	1.56E+0 8	C	C	0.442692	6.89E-14	0.937
rs9638084	7	1.56E+0 8	A	G	0.498802	3.43E-09	0.6978
rs11136373	8	1212030	C	C	0.341054	1.34E-14	0.2373
rs7461159	8	1716616	T	T	0.278355	3.20E-09	0.3299
rs2922895	8	6379932	G	C	0.364217	3.35E-14	0.07384
rs62491544	8	9511555	G	A	0.133786	5.87E-10	0.5125
rs7386288	8	1153633 2	T	T	0.384585	1.39E-13	0.06136
rs79838296	8	1741907 4	G	A	0.022963	5.54E-11	0.8667
rs62503324	8	2340061 5	C	C	0.499401	1.61E-12	0.08396
rs6981463	8	2344809 5	C	C	0.177117	6.82E-23	0.5344
rs951914	8	2587899 5	G	G	0.323882	2.99E-08	0.7502
rs58429174	8	2601192 2	C	T	0.266973	1.76E-25	0.07029
rs77375686	8	2604362 2	A	G	0.042732	7.68E-15	0.8851
rs28845194	8	2641071 0	T	T	0.291933	3.12E-18	0.4897
rs17321041	8	2644519 4	C	T	0.051118	3.28E-39	0.7026
rs1842646	8	2674393 3	A	A	0.460663	1.19E-08	0.3246
rs2979470	8	3028827 2	T	T	0.416933	7.36E-34	0.3217
rs1906672	8	3813002 5	G	A	0.211462	3.51E-11	0.9898
rs72639047	8	4941559 8	G	A	0.102037	4.76E-68	0.1825
rs4873492	8	5194754 9	C	T	0.262979	3.38E-08	0.6504
rs11778153	8	6450394 2	T	C	0.139976	4.17E-08	0.8268

rs7817000	8	6891946 3	C	A	0.45607	6.10E-12	0.8834
rs7843475	8	7247574 8	C	C	0.426717	5.88E-09	0.07924
rs4007357	8	7724541 0	G	G	0.303714	3.06E-08	0.695
rs148401029	8	8138606 6	C	A	0.026358	5.45E-09	0.4164
rs4739832	8	8281201 9	A	C	0.402556	2.01E-08	0.6285
rs2142141	8	9094020 5	G	G	0.202077	4.80E-14	0.4934
rs11781001	8	9604407 6	G	A	0.099042	7.24E-12	0.4418
rs2978098	8	1.02E+0 8	A	A	0.337061	6.51E-21	0.3858
rs142449193	8	1.03E+0 8	C	T	0.0623	8.74E-10	0.5691
rs2513877	8	1.04E+0 8	G	A	0.30651	4.94E-11	0.5045
rs35783704	8	1.06E+0 8	G	A	0.03155	7.03E-18	0.3796
rs2957468	8	1.06E+0 8	A	A	0.308906	4.01E-23	0.3472
rs722783	8	1.20E+0 8	G	A	0.119209	3.63E-09	0.08877
rs4871494	8	1.21E+0 8	A	A	0.032548	8.21E-14	0.6568
rs13270541	8	1.25E+0 8	G	A	0.436302	2.14E-08	0.6797
rs12114418	8	1.27E+0 8	A	G	0.390375	3.36E-08	0.5124
rs4380895	8	1.29E+0 8	A	T	0.403554	1.74E-17	0.2531
rs4909314	8	1.36E+0 8	T	A	0.376797	8.56E-12	0.6076
rs4074812	8	1.42E+0 8	G	A	0.344449	2.12E-18	0.5946
rs11167039	8	1.42E+0 8	G	G	0.13139	3.49E-13	0.01348
rs36092215	8	1.42E+0 8	G	A	0.081869	1.49E-79	0.8267
rs60818561	8	1.42E+0 8	C	G	0.062899	1.17E-11	0.9087

rs12549801	8	1.42E+0 8	A	A	0.338458	1.96E-15	0.1317
rs12675715	8	1.43E+0 8	T	T	0.373403	1.74E-08	0.8591
rs7387891	8	1.43E+0 8	A	A	0.414537	5.08E-11	0.1579
rs3802230	8	1.44E+0 8	C	C	0.404153	1.64E-17	0.3054
rs72693377	8	1.45E+0 8	C	T	0.011182	2.31E-09	0.2017
rs1536608	9	223613	T	T	0.335264	1.93E-08	0.4263
rs12337056	9	628670	C	T	0.107827	2.54E-23	0.448
rs12216886	9	2493751	T	G	0.21226	1.40E-11	0.02279
rs1332812	9	9350986	T	T	0.467452	2.75E-09	0.3412
rs35287509	9	1059463 5	T	C	0.172923	3.97E-08	0.9856
rs4615669	9	2181867 4	A	G	0.324081	1.72E-17	0.9979
rs1243876	9	3569310 4	C	C	0.335064	2.15E-08	0.9395
rs76452347	9	3590647 1	C	T	0.094249	1.97E-13	0.7298
rs11141731	9	8988847 2	C	T	0.11861	1.45E-08	0.7448
rs4743021	9	1.09E+0 8	T	T	0.465855	1.31E-08	0.04764
rs7020564	9	1.10E+0 8	A	T	0.496006	2.42E-17	0.1901
rs7043304	9	1.12E+0 8	C	C	0.073482	1.99E-28	0.4419
rs12555129	9	1.13E+0 8	G	T	0.207668	6.10E-09	0.4472
rs2900508	9	1.13E+0 8	G	A	0.3752	1.93E-18	0.3282
rs10980408	9	1.13E+0 8	T	C	0.058906	8.31E-15	0.4499
rs10759697	9	1.17E+0 8	G	A	0.40635	3.07E-18	0.6676
rs112332688	9	1.19E+0 8	A	G	0.071486	3.05E-12	0.6752
rs1861881	9	1.19E+0 8	G	T	0.283347	3.09E-08	0.6482
rs937481	9	1.28E+0 8	C	C	0.441693	1.44E-17	0.5742

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rs4837127	9	1.30E+08	C	T	0.227037	2.80E-08	0.8766
rs507666	9	1.36E+08	G	A	0.141374	3.69E-08	0.5725
rs6271	9	1.37E+08	C	T	0.020767	7.66E-10	0.533
rs11145807	9	1.40E+08	A	G	0.378395	1.833E-08	0.2258

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