

Genome-wide suggestive SNPs associated with Knee OA (P value <5×10⁻⁵)

StrictlySNPID	SNP	CHR	POS	A1	A2	OR	beta	SE	P
6:95226621_A_G	rs184801838	6	95226621	G	A	2.92869	1.35234	0.24473	1.35E-07
3:52567968_A_G	rs541612392	3	52567968	G	A	0.841879	-0.206039	0.0406242	2.25E-07
3:106987471_T_G	rs77639587	3	106987471	G	T	0.687297	-0.379172	0.0796896	6.85E-07
17:42013499_A_T	rs7212487	17	42013499	T	A	1.17062	0.160364	0.0322023	8.18E-07
17:42011695_A_G	rs7221263	17	42011695	G	A	1.16974	0.159667	0.032163	8.84E-07
2:236618226_G_A	rs10190094	2	236618226	A	G	0.876798	-0.135205	0.0279725	1.10E-06
19:1565636_G_A	rs150790093	19	1565636	A	G	2.12091	1.21065	0.239518	1.16E-06
6:146940583_CT_C	.	6	146940583	C	CT	0.362772	-7.19128	15.4475	1.22E-06
19:1584965_C_T	rs182832753	19	1584965	T	C	2.06672	1.1756	0.232124	1.28E-06
2:236618246_A_C	rs3820781	2	236618246	C	A	0.878434	-0.130719	0.0272701	1.38E-06
10:117483169_G_A	rs181899314	10	117483169	A	G	1.84495	0.74729	0.147559	1.64E-06
20:39614299_T_G	rs6029495	20	39614299	G	T	0.842681	-0.173929	0.036997	1.85E-06
3:53164553_CT_C	rs537109577	3	53164553	C	CT	0.365486	-1.81172	0.550483	1.90E-06
20:39619898_G_A	rs4812478	20	39619898	A	G	0.842061	-0.173212	0.0369731	2.01E-06
7:146319263_G_A	rs185392153	7	146319263	A	G	2.57747	1.47879	0.29896	2.07E-06
14:35045654_ATATATT_A	rs66921921	14	35045654	A	ATATATT	0.873683	-0.137954	0.028859	2.07E-06
20:39614783_G_A	rs6093416	20	39614783	A	G	0.84314	-0.173188	0.0370153	2.07E-06
17:60075130_G_A	rs184179756	17	60075130	A	G	0.549223	-7.54236	15.6766	2.08E-06
20:50339953_TA_T	rs556869532	20	50339953	T	TA	2.64414	1.46797	0.298639	2.19E-06
20:39622730_A_C	rs6029507	20	39622730	C	A	0.843273	-0.172073	0.0369602	2.33E-06
20:39622948_C_T	rs6016499	20	39622948	T	C	0.843543	-0.17193	0.0369396	2.35E-06
9:91251082_G_A	rs191611489	9	91251082	A	G	0.362916	-1.84072	0.580817	2.38E-06
8:2039924_G_A	rs566051859	8	2039924	A	G	1.83211	0.949659	0.187751	2.47E-06
20:39620087_G_C	rs6029503	20	39620087	C	G	0.843752	-0.170956	0.0368892	2.60E-06
20:39620625_C_T	rs6016494	20	39620625	T	C	0.843868	-0.170947	0.0369273	2.67E-06
20:39620641_G_C	rs6016495	20	39620641	C	G	0.843868	-0.170947	0.0369273	2.67E-06
20:39620829_T_A	rs6029504	20	39620829	A	T	0.843924	-0.170934	0.0369372	2.69E-06
20:39617993_C_T	rs6029501	20	39617993	T	C	0.844709	-0.170608	0.0369865	2.74E-06
2:236561934_A_C	rs11686353	2	236561934	C	A	0.88499	-0.131167	0.0281902	2.76E-06
2:236561936_T_C	rs11687531	2	236561936	C	T	0.88499	-0.131167	0.0281902	2.76E-06
6:97849563_C_T	rs150133433	6	97849563	T	C	0.447318	-0.847801	0.205086	2.87E-06
20:39618115_A_G	rs2766754	20	39618115	G	A	0.845107	-0.170342	0.0369626	2.95E-06
2:65019859_A_T	rs13033563	2	65019859	T	A	1.13364	0.126081	0.0268549	3.01E-06
2:65018098_CTCTG_C	rs138836951	2	65018098	C	CTCTG	1.13345	0.126048	0.0268724	3.07E-06
22:27875700_C_T	rs141319649	22	27875700	T	C	0.519136	-1.01034	0.259501	3.16E-06
1:175818540_T_A	rs115380162	1	175818540	A	T	1.22051	0.202935	0.0428863	3.17E-06
2:65016223_A_G	rs56032923	2	65016223	G	A	1.13305	0.125206	0.0268019	3.36E-06
17:18326823_G_A	rs559497559	17	18326823	A	G	0.607181	-1.2475	0.354854	3.37E-06
1:175819248_C_T	rs143129347	1	175819248	T	C	1.21923	0.202086	0.042846	3.40E-06
3:116363377_C_T	rs568537964	3	116363377	T	C	0.548898	-1.35019	0.379892	3.47E-06
20:39619644_C_T	rs4812477	20	39619644	T	C	0.845555	-0.168348	0.0368281	3.58E-06
11:126868812_AGT_A	rs1061880	11	126868812	A	AGT	0.829932	-0.201639	0.0428729	3.61E-06
12:80073048_C_T	rs11114212	12	80073048	T	C	0.325803	-2.12514	0.786775	3.69E-06
2:114138395_G_A	rs563169919	2	114138395	A	G	1.86981	1.09	0.220444	3.75E-06
15:50787425_T_TTG	rs147661253	15	50787425	TTG	T	1.12484	0.132317	0.0284412	3.77E-06
2:148227141_C_T	rs541895213	2	148227141	T	C	0.404071	-1.03839	0.26442	4.01E-06
15:92851899_T_TA	rs57246862	15	92851899	TA	T	0.900129	-0.111824	0.0243157	4.02E-06
5:94996464_T_C	rs115336006	5	94996464	C	T	1.36002	0.307701	0.0653164	4.32E-06
14:35087570_A_AG	rs112034794	14	35087570	AG	A	1.14266	0.132593	0.0286751	4.38E-06
1:175811937_CGTATCTTTTTCT	rs145601507	1	175811937	C	CGTATCTTTTTCT	1.21957	0.196012	0.0421516	4.57E-06
4:21938440_A_G	rs150198051	4	21938440	G	A	1.3102	0.270445	0.057805	4.63E-06
17:22072981_A_T	rs62051429	17	22072981	T	A	1.55604	0.503873	0.105531	4.65E-06
1:175813072_G_A	rs78950439	1	175813072	A	G	1.21956	0.195765	0.0421338	4.65E-06
10:128296546_G_A	rs138771281	10	128296546	A	G	0.476691	-0.845162	0.208347	4.78E-06
5:43190647_G_C	rs35375873	5	43190647	C	G	0.840839	-0.182648	0.0406206	4.81E-06
20:62797426_C_G	rs436515	20	62797426	G	C	1.15981	0.15008	0.0332176	4.85E-06
17:21998242_A_G	rs149240501	17	21998242	G	A	1.58169	0.482395	0.101651	4.89E-06
5:95025888_T_TA	rs200502733	5	95025888	TA	T	1.34927	0.299668	0.0640302	4.93E-06
21:34708221_C_CT	rs200187308	21	34708221	CT	C	0.90186	-0.115581	0.0254122	4.99E-06
6:46221113_A_G	rs563281989	6	46221113	G	A	1.93811	0.807117	0.167695	5.03E-06
10:117148878_G_A	rs556061971	10	117148878	A	G	2.01814	1.00075	0.205984	5.03E-06
11:120196171_C_T	rs536702555	11	120196171	T	C	0.542842	-0.727976	0.177903	5.03E-06
19:16858193_T_A	rs577436847	19	16858193	A	T	0.422579	-2.08306	0.691437	5.04E-06
10:117321250_C_T	rs138399323	10	117321250	T	C	1.67942	0.58762	0.123097	5.08E-06
1:175814746_C_T	rs78042303	1	175814746	T	C	1.21879	0.194391	0.0420694	5.23E-06
1:175805545_G_A	rs76921071	1	175805545	A	G	1.21765	0.19475	0.0421667	5.29E-06
14:34969406_T_C	rs7151133	14	34969406	C	T	0.889742	-0.117817	0.0257764	5.31E-06
14:34969363_T_G	rs7151108	14	34969363	G	T	0.889752	-0.117811	0.0257766	5.31E-06
14:34969563_A_G	rs7149996	14	34969563	G	A	0.890027	-0.117609	0.0257578	5.42E-06
8:129671626_AC_A	rs199937602	8	129671626	A	AC	0.810945	-0.465726	0.110783	5.47E-06
14:34972572_G_A	rs11628734	14	34972572	A	G	0.890684	-0.117113	0.0257149	5.72E-06
14:34968944_A_G	rs12882143	14	34968944	G	A	0.890112	-0.117288	0.0257545	5.73E-06
1:175813429_C_G	rs114578783	1	175813429	G	C	1.21661	0.193655	0.042144	5.89E-06
2:155654732_ACG_A	rs66542017	2	155654732	A	ACG	1.10059	0.117693	0.0260802	6.14E-06
10:117556345_C_A	rs56202740	10	117556345	A	C	1.78491	0.684181	0.144284	6.17E-06
14:34965288_G_C	rs12884423	14	34965288	C	G	0.89071	-0.116744	0.0257461	6.28E-06
14:34969433_T_C	rs7151149	14	34969433	C	T	0.8906	-0.116553	0.0257129	6.33E-06
12:130881772_G_A	.	12	130881772	A	G	2.27156	1.45575	0.315674	6.37E-06
14:34964635_A_G	rs12878942	14	34964635	G	A	0.890713	-0.116593	0.0257357	6.40E-06
14:34964972_A_G	rs4612961	14	34964972	G	A	0.890713	-0.116593	0.0257357	6.40E-06
1:175813423_A_G	rs78175892	1	175813423	G	A	1.21514	0.192532	0.0421324	6.62E-06
10:117275685_T_A	rs191987930	10	117275685	A	T	1.98533	0.955767	0.199522	6.69E-06

2:53148761_C_T	rs139493876	2	53148761	T	C	1.61049	0.558797	0.118856	6.77E-06
14:34969230_A_G	rs12147182	14	34969230	G	A	0.891096	-0.116117	0.0257275	6.94E-06
17:42005193_G_A	rs231446	17	42005193	A	G	0.875706	-0.139194	0.0307268	6.98E-06
14:72725000_C_T	rs561437155	14	72725000	T	C	2.18398	0.930446	0.196739	7.05E-06
2:224774335_C_A	rs529762911	2	224774335	A	C	0.456594	-1.66443	0.52587	7.07E-06
10:108077296_T_G	rs821708	10	108077296	G	T	1.12288	0.115579	0.0258622	7.11E-06
17:3632836_G_A	rs1716	17	3632836	A	G	0.893974	-0.112859	0.025246	7.15E-06
14:35096198_G_A	rs1620787	14	35096198	A	G	1.14728	0.135794	0.0300371	7.26E-06
1:175801016_G_A	rs55669064	1	175801016	A	G	1.2146	0.191759	0.0421552	7.28E-06
9:38517033_G_A	.	9	38517033	A	G	1.88171	0.753712	0.16025	7.29E-06
13:41708406_C_T	rs117482833	13	41708406	T	C	0.556142	-0.580641	0.139165	7.31E-06
10:24589907_G_A	rs170205	10	24589907	A	G	0.782989	-0.253764	0.0554871	7.36E-06
1:175793195_C_A	rs75417349	1	175793195	A	C	1.2143	0.19159	0.0421963	7.57E-06
14:34968664_C_CT	rs146785789	14	34968664	CT	C	0.8919	-0.115848	0.025795	7.69E-06
6:75379468_C_T	rs72958869	6	75379468	T	C	0.525576	-0.910783	0.237738	7.84E-06
1:80655971_C_CT	rs675537	1	80655971	CT	C	1.11282	0.113331	0.0254583	7.92E-06
10:108079411_T_G	rs860274	10	108079411	G	T	1.12199	0.114812	0.0258553	8.14E-06
2:224761311_T_G	rs560910941	2	224761311	G	T	0.461963	-1.6549	0.525511	8.15E-06
7:23791155_A_G	rs147892386	7	23791155	G	A	0.698381	-0.370889	0.0869226	8.35E-06
14:99827689_T_C	rs906928	14	99827689	C	T	1.25707	0.235977	0.0519999	8.44E-06
14:35048345_G_A	rs7149200	14	35048345	A	G	0.872249	-0.134549	0.0299819	8.45E-06
12:109199470_T_TA	rs559891016	12	109199470	TA	T	0.889404	-0.124288	0.0281069	8.45E-06
6:97619727_G_C	rs191053791	6	97619727	C	G	0.46797	-0.908474	0.239955	8.50E-06
2:155663723_G_T	rs2652450	2	155663723	T	G	1.11289	0.106263	0.0239613	8.73E-06
10:24593649_C_T	rs220364	10	24593649	T	C	0.783665	-0.25002	0.0551477	8.73E-06
11:75900629_G_A	rs139076035	11	75900629	A	G	0.451871	-0.838846	0.211319	8.85E-06
2:126631749_C_CA	rs11404223	2	126631749	CA	C	0.906158	-0.116036	0.0260839	8.91E-06
10:108078776_T_C	rs821710	10	108078776	C	T	1.12149	0.114286	0.0258506	8.92E-06
7:81418595_C_T	rs534239691	7	81418595	T	C	1.94764	0.970106	0.206608	8.92E-06
2:22136409_G_A	rs142676501	2	22136409	A	G	0.550559	-0.633176	0.15531	9.00E-06
17:3633478_G_A	rs80136041	17	3633478	A	G	0.896952	-0.114657	0.025947	9.01E-06
14:72842281_G_A	rs193163280	14	72842281	A	G	1.52369	0.497039	0.107715	9.05E-06
2:102398250_C_T	rs542107854	2	102398250	T	C	1.7996	0.872798	0.186201	9.12E-06
20:62831525_T_C	rs2253857	20	62831525	C	T	1.25663	0.235624	0.0543951	9.41E-06
6:70367724_G_A	rs9454860	6	70367724	A	G	0.892267	-0.113269	0.0257029	9.50E-06
14:35038956_G_A	rs12880885	14	35038956	A	G	0.873117	-0.133862	0.0300014	9.51E-06
6:832786_C_G	rs115456579	6	832786	G	C	0.448422	-1.07489	0.29323	9.57E-06
10:24588968_C_T	rs220368	10	24588968	T	C	0.785852	-0.249484	0.0552843	9.64E-06
6:97829996_T_A	rs553975693	6	97829996	A	T	0.355928	-1.33568	0.391044	9.68E-06
5:109512993_GAC_G	.	5	109512993	G	GAC	1.11824	0.126818	0.0285082	9.71E-06
11:9085843_G_A	rs145876574	11	9085843	A	G	1.77805	0.625349	0.135237	9.78E-06
2:224770046_T_G	rs557325097	2	224770046	G	T	0.472801	-1.63931	0.524177	9.87E-06
6:97771033_G_T	rs573940254	6	97771033	T	G	0.35716	-1.33262	0.390144	9.88E-06
1:156243941_C_T	rs156243941	1	156243941	T	C	0.667987	-0.454148	0.109088	9.92E-06
15:65569188_C_T	rs11630072	15	65569188	T	C	0.728104	-0.402503	0.0962595	9.94E-06
1:175795217_T_TA	rs568760919	1	175795217	TA	T	1.20105	0.186557	0.0416728	1.00E-05
14:35044384_C_A	rs8008918	14	35044384	A	C	0.873418	-0.133441	0.0299865	1.00E-05
1:247414712_G_T	rs535328314	1	247414712	T	G	1.63399	0.671674	0.144128	1.01E-05
2:114114575_T_C	rs191337282	2	114114575	C	T	1.68875	0.899669	0.189859	1.01E-05
17:3634096_G_A	rs2976234	17	3634096	A	G	1.11481	0.113511	0.0258561	1.03E-05
1:224746577_A_G	rs17571353	1	224746577	G	A	0.817393	-0.209947	0.0486269	1.03E-05
5:4009624_G_GTAGATAGA	.	5	4009624	GTA	G	1.15265	0.194741	0.0433887	1.03E-05
17:78866759_C_G	rs150428369	17	78866759	G	C	1.67177	0.633411	0.136835	1.04E-05
6:70370962_T_C	rs9454861	6	70370962	C	T	0.892748	-0.112918	0.0257441	1.05E-05
6:70370035_C_T	rs10945185	6	70370035	T	C	0.892781	-0.112838	0.0257251	1.05E-05
1:175756466_C_T	rs75861626	1	175756466	T	C	1.21121	0.190734	0.042699	1.06E-05
1:175820100_AT_A	rs112018859	1	175820100	A	AT	1.20565	0.191625	0.0428986	1.07E-05
6:140716716_C_T	rs150844962	6	140716716	T	C	0.417238	-2.02554	0.941575	1.09E-05
14:99827147_T_C	rs1257285	14	99827147	C	T	1.23952	0.221544	0.0494946	1.09E-05
6:70369281_CAAA_C	rs112886135	6	70369281	C	CCAAA	0.893259	-0.112777	0.0257776	1.10E-05
1:15368061_G_A	rs187866323	1	15368061	A	G	0.483009	-1.2177	0.346343	1.11E-05
14:99825165_T_C	rs1257290	14	99825165	C	T	1.25507	0.232787	0.0520351	1.12E-05
6:70369535_T_C	rs4706262	6	70369535	C	T	0.893078	-0.112416	0.0257229	1.13E-05
14:99826101_A_G	rs1257286	14	99826101	G	A	1.25502	0.232759	0.0520351	1.13E-05
14:99825743_C_T	rs1257288	14	99825743	T	C	1.25502	0.232754	0.0520352	1.13E-05
2:65009443_G_A	rs7579369	2	65009443	A	G	1.12505	0.119747	0.0271268	1.13E-05
6:140657209_G_A	rs147047711	6	140657209	A	G	0.416692	-1.95606	0.864435	1.13E-05
11:34594361_GA_G	rs536006975	11	34594361	G	GA	0.43617	-0.941418	0.245601	1.14E-05
1:87283017_C_T	rs7589673	1	87283017	T	C	2.51054	1.28526	0.27985	1.14E-05
14:99827637_C_G	rs906929	14	99827637	G	C	1.25397	0.233234	0.0521731	1.15E-05
8:13253104_C_G	rs139302172	8	13253104	G	C	2.04323	1.05911	0.225977	1.15E-05
19:50533872_C_T	rs58576836	19	50533872	T	C	0.796354	-0.224621	0.0523431	1.15E-05
3:117014591_T_C	rs140808037	3	117014591	C	T	2.29978	1.22926	0.267279	1.15E-05
6:140624758_G_A	rs532389300	6	140624758	A	G	0.417021	-1.94372	0.852697	1.15E-05
19:50539521_G_C	rs62115246	19	50539521	C	G	0.796364	-0.224788	0.0524049	1.16E-05
16:57397081_C_T	rs547152358	16	57397081	T	C	0.611718	-1.09516	0.318462	1.16E-05
5:164884816_T_C	rs147664708	5	164884816	C	T	0.458346	-1.44825	0.441758	1.16E-05
14:35071903_C_T	rs7493480	14	35071903	T	C	0.874035	-0.13263	0.030032	1.17E-05
15:27633812_T_G	rs56095128	15	27633812	G	T	0.872433	-0.141523	0.032636	1.18E-05
19:50529844_C_T	rs760716	19	50529844	T	C	0.796548	-0.224424	0.0523572	1.18E-05
1:187518069_A_T	rs558749661	1	187518069	T	A	1.84044	0.644207	0.140571	1.18E-05
2:224789328_G_A	rs555246727	2	224789328	A	G	0.474668	-1.60917	0.518396	1.20E-05
1:183171364_A_C	rs185371869	1	183171364	C	A	1.95708	0.882396	0.190599	1.20E-05
15:92851598_T_C	rs12913374	15	92851598	C	T	0.903593	-0.105549	0.0242077	1.23E-05

6:70370323_G_A	rs1585187	6	70370323	A	G	0.893422	-0.111723	0.0256825	1.24E-05
8:75243157_C_T	rs72665404	8	75243157	T	C	1.13056	0.119664	0.0272341	1.24E-05
5:43161351_G_A	rs71627581	5	43161351	A	G	0.843947	-0.16858	0.0391375	1.24E-05
2:224780736_A_G	rs562493085	2	224780736	G	A	0.475281	-1.6068	0.518501	1.25E-05
4:109539205_A_G	rs529459128	4	109539205	G	A	1.98071	0.797965	0.17373	1.26E-05
2:49136303_C_G	rs12470646	2	49136303	G	C	1.11123	0.104579	0.0239465	1.27E-05
2:224791674_C_T	rs546802483	2	224791674	T	C	0.47555	-1.60477	0.518049	1.27E-05
19:50533877_T_C	rs59835607	19	50533877	C	T	0.797278	-0.222963	0.0522104	1.27E-05
7:146319262_C_T	rs150359413	7	146319262	T	C	2.26448	1.33536	0.291279	1.28E-05
12:116577899_G_C	rs147242605	12	116577899	C	G	0.574704	-0.631613	0.15773	1.28E-05
14:34967129_A_ACAACATGGTC	rs376183094	14	34967129	ACA	A	0.895843	-0.113061	0.0258167	1.28E-05
14:35074606_A_G	rs7146283	14	35074606	G	A	0.874536	-0.132033	0.0300316	1.28E-05
16:84742878_C_T	rs7197843	16	84742878	T	C	1.10857	0.105895	0.0243277	1.29E-05
6:51072791_C_T	rs561617415	6	51072791	T	C	0.490249	-1.22213	0.359699	1.31E-05
12:5500102_C_T	rs11063642	12	5500102	T	C	1.20532	0.187386	0.0420157	1.32E-05
9:122313918_G_T	rs113734749	9	122313918	T	G	0.81333	-0.237102	0.0559163	1.32E-05
14:35075022_G_T	rs7151774	14	35075022	T	G	0.874748	-0.131782	0.0300245	1.32E-05
1:175749597_T_A	rs12567703	1	175749597	A	T	1.20344	0.1839	0.0416729	1.33E-05
12:2214533_T_A	rs52526194	12	2214533	A	T	0.450333	-1.23621	0.364667	1.34E-05
12:2214534_C_A	rs182992298	12	2214534	A	C	0.450333	-1.23621	0.364667	1.34E-05
5:82942690_T_C	rs10474108	5	82942690	C	T	0.90138	-0.103487	0.0238018	1.34E-05
14:35081589_G_A	rs4981244	14	35081589	A	G	1.14304	0.131631	0.0300193	1.35E-05
2:155656952_G_T	rs2591152	2	155656952	T	G	1.10812	0.105164	0.0242224	1.35E-05
4:81510111_A_T	rs141460501	4	81510111	T	A	0.441467	-8.0568	18.729	1.35E-05
13:111395178_A_G	rs573810750	13	111395178	G	A	2.46835	1.03254	0.226779	1.40E-05
13:111395180_C_A	rs541114630	13	111395180	A	C	2.46831	1.03253	0.226778	1.40E-05
14:35091527_A_C	rs150441545	14	35091527	C	A	1.14265	0.13142	0.0300367	1.41E-05
11:71939905_C_G	rs56353029	11	71939905	G	C	0.59201	-0.531839	0.130888	1.42E-05
14:99825020_T_C	rs1267195	14	99825020	C	T	1.25341	0.232382	0.052548	1.42E-05
1:78469022_A_T	rs14679222	1	78469022	T	A	0.437658	-3.30864	2.65279	1.43E-05
12:15129311_G_A	rs80272294	12	15129311	A	G	0.468346	-1.54657	0.482424	1.44E-05
6:90143170_G_T	rs77912824	6	90143170	T	G	0.883967	-0.129223	0.030065	1.46E-05
20:62955484_G_A	rs141129176	20	62955484	A	G	0.599029	-0.583672	0.146364	1.46E-05
20:34025983_A_G	rs143383	20	34025983	G	A	0.895247	-0.107302	0.0248485	1.46E-05
6:140418417_T_C	rs144348342	6	140418417	C	T	0.423154	-2.07088	1.03318	1.46E-05
5:126064469_C_T	rs2055871	5	126064469	T	C	0.879836	-0.130382	0.0303506	1.47E-05
17:3633169_G_A	rs2915553	17	3633169	A	G	0.898958	-0.110392	0.0259921	1.48E-05
14:35068625_G_C	rs6571667	14	35068625	C	G	0.875846	-0.131087	0.0300378	1.48E-05
3:19000721_T_A	rs532456555	3	19000721	A	T	0.6045	-0.675307	0.172566	1.49E-05
1:175774870_C_T	rs15259750	1	175774870	T	C	1.20341	0.182709	0.041631	1.49E-05
22:20385392_A_G	rs572191815	22	20385392	G	A	2.17226	1.41462	0.312304	1.50E-05
5:126064321_A_G	rs2055870	5	126064321	G	A	0.879844	-0.131008	0.0305483	1.51E-05
15:92852529_C_T	rs11638518	15	92852529	T	C	0.90469	-0.104454	0.0242104	1.52E-05
13:68576850_A_C	rs537471572	13	68576850	C	A	2.45495	1.04327	0.229018	1.53E-05
13:68574582_T_C	rs554108183	13	68574582	C	T	2.45466	1.04312	0.229017	1.53E-05
13:6857456_C_T	rs562679794	13	6857456	T	C	2.45466	1.04312	0.229017	1.53E-05
14:72833525_G_A	rs30680544	14	72833525	A	G	2.18294	1.09137	0.239829	1.53E-05
10:36649186_A_G	rs2796809	10	36649186	G	A	0.850846	-0.159534	0.0374048	1.54E-05
22:20393396_G_A	rs536988570	22	20393396	A	G	2.16771	1.41162	0.312257	1.56E-05
5:144072549_A_G	rs148394764	5	144072549	G	A	1.66977	0.75251	0.164714	1.56E-05
14:90187668_A_G	rs183358325	14	90187668	G	A	0.42558	-1.00226	0.269943	1.56E-05
21:44092858_G_A	rs141147362	21	44092858	A	G	0.499437	-0.831704	0.217642	1.57E-05
1:87528535_A_G	rs541485763	1	87528535	G	A	2.48602	1.28706	0.285744	1.58E-05
19:14348966_G_A	rs147062175	19	14348966	A	G	0.677344	-0.529501	0.132306	1.58E-05
14:72760514_G_A	rs72760514	14	72760514	A	G	2.0972	0.910987	0.199764	1.59E-05
12:53096336_GTT_G	rs557931699	12	53096336	G	GTT	0.718636	-0.48073	0.106405	1.61E-05
14:34964190_T_C	rs8004589	14	34964190	C	T	0.89775	-0.111936	0.0258722	1.62E-05
6:40154838_T_C	rs150775297	6	40154838	C	T	1.95889	0.816824	0.179467	1.63E-05
12:15181481_C_T	rs140098707	12	15181481	T	C	0.479674	-1.52523	0.478113	1.64E-05
10:117523029_G_A	rs117461783	10	117523029	A	G	1.70898	0.617565	0.136886	1.66E-05
3:192544974_T_C	rs6444664	3	192544974	C	T	0.903911	-0.103397	0.0240085	1.67E-05
5:111037025_GA_G	rs11035894	5	111037025	G	GA	0.865196	-0.147486	0.033927	1.67E-05
12:5496595_T_G	rs11063641	12	5496595	G	T	1.18748	0.17407	0.0399273	1.67E-05
18:65501410_T_G	rs2613163	18	65501410	G	T	1.14395	0.135455	0.0312208	1.67E-05
19:32210201_G_A	rs143169528	19	32210201	A	G	1.53336	0.470913	0.105328	1.68E-05
17:25518945_A_T	rs117566997	17	25518945	T	A	1.43662	0.49779	0.110526	1.68E-05
15:92857342_A_G	rs12101550	15	92857342	G	A	0.904762	-0.103753	0.0241734	1.69E-05
1:176303420_G_A	rs353084160	1	176303420	A	G	1.47488	0.419418	0.0941364	1.69E-05
1:175760560_A_G	rs75739607	1	175760560	G	A	1.20132	0.180988	0.0415394	1.71E-05
15:92850376_G_A	rs12917209	15	92850376	A	G	0.905193	-0.103734	0.0241934	1.72E-05
6:69540557_A_T	rs191023449	6	69540557	T	A	0.509337	-0.714615	0.18312	1.72E-05
1:175757242_C_T	rs12561921	1	175757242	T	C	1.20105	0.180401	0.0414264	1.72E-05
14:99820253_G_A	rs1257301	14	99820253	A	G	1.23486	0.21765	0.0497585	1.72E-05
5:82883210_G_A	rs310522	5	82883210	A	G	0.902761	-0.102446	0.0238243	1.73E-05
1:228932594_A_T	rs4607844	1	228932594	T	A	1.11076	0.108269	0.0252842	1.73E-05
19:22008462_T_C	rs181223106	19	22008462	C	T	0.589084	-1.2071	0.369805	1.75E-05
1:175732879_G_C	rs10913075	1	175732879	C	G	1.19993	0.18199	0.0418442	1.78E-05
21:30448797_G_A	rs2853832	21	30448797	A	G	1.12519	0.117863	0.0276454	1.78E-05
2:148138984_A_T	rs142305689	2	148138984	T	A	0.491789	-0.773687	0.201226	1.78E-05
8:90740914_A_G	.	8	90740914	G	A	2.63696	1.14427	0.252709	1.79E-05
5:2017449_A_G	rs184632346	5	2017449	G	A	1.78669	0.634517	0.141167	1.80E-05
14:35048423_A_T	rs7148910	14	35048423	T	A	0.876207	-0.1299	0.0300656	1.80E-05
9:1919530_C_T	rs72685710	9	1919530	T	C	0.736373	-0.310616	0.0749163	1.81E-05
1:175753966_C_T	rs16849181	1	175753966	T	C	1.20096	0.180376	0.0415346	1.82E-05

12:116629652_A_C	rs74558966	12	116629652	C A	1.55688	0.443927	0.100139	1.82E-05
5:82882936_A_G	rs309597	5	82882936	G A	0.903157	-0.102095	0.0238101	1.82E-05
15:92845874_C_T	rs6496922	15	92845874	T C	0.905405	-0.103612	0.0242384	1.82E-05
5:74793887_T_C	rs149714707	5	74793887	C T	1.35695	0.30243	0.0688947	1.83E-05
14:72846790_TTAAA_T	rs199583904	14	72846790	T TTAAA	1.48323	0.476387	0.107054	1.84E-05
15:54292993_T_C	rs16973946	15	54292993	C T	0.76514	-0.281198	0.067647	1.84E-05
14:35022345_G_A	rs4624075	14	35022345	A G	0.875031	-0.134808	0.0312173	1.84E-05
2:127849929_T_C	rs141801357	2	127849929	C T	0.641588	-0.509237	0.127735	1.85E-05
3:192540265_T_TCTC	rs78635963	3	192540265	TCTT	0.904498	-0.102507	0.0239346	1.85E-05
14:106242692_A_G	rs145451329	14	106242692	G A	1.43534	0.617667	0.136168	1.85E-05
5:177964219_AG_A	rs5873621	5	177964219	A AG	0.895696	-0.121856	0.0286638	1.86E-05
16:72017974_T_C	rs551470296	16	72017974	C T	2.20502	1.29865	0.286351	1.87E-05
8:75245770_A_G	rs6989476	8	75245770	G A	1.12788	0.11696	0.0271913	1.87E-05
15:92847799_C_T	rs12906342	15	92847799	T C	0.905537	-0.10345	0.0242379	1.88E-05
11:9653326_CIGTT_C	rs571372743	11	9653326	C CIGTT	1.9329	1.06376	0.235477	1.89E-05
8:5278927_T_G	rs75997911	8	5278927	G T	0.45677	-7.4566	17.8801	1.90E-05
15:92857446_A_C	rs12908858	15	92857446	C A	0.905588	-0.103149	0.0241791	1.90E-05
1:175779694_C_G	rs79895408	1	175779694	G C	1.20042	0.180415	0.0416512	1.91E-05
21:47529737_G_T	rs139268232	21	47529737	T G	2.80516	1.28438	0.285615	1.92E-05
7:29844137_T_C	rs10244940	7	29844137	C T	0.807269	-0.210741	0.0503263	1.92E-05
21:34696266_G_A	rs62228038	21	34696266	A G	0.908947	-0.105992	0.024862	1.93E-05
14:99824056_T_C	rs1257293	14	99824056	C T	1.23318	0.211464	0.048687	1.94E-05
16:84733284_A_G	rs12716755	16	84733284	G A	0.906571	-0.105651	0.0247815	1.94E-05
11:120339138_G_A	rs72994802	11	120339138	A G	0.570411	-0.662449	0.171208	1.95E-05
8:75237537_A_G	rs72663689	8	75237537	G A	1.12762	0.116688	0.0271917	1.96E-05
2:155703068_A_G	rs1900132	2	155703068	G A	0.897485	-0.112298	0.026446	1.96E-05
5:82882220_T_C	rs309598	5	82882220	C T	0.903447	-0.101645	0.0237968	1.96E-05
17:25438698_TTC_T	rs139729027	17	25438698	T TTC	1.42055	0.498616	0.111565	1.97E-05
5:82879079_T_C	rs182555	5	82879079	C T	0.903456	-0.101622	0.0237984	1.97E-05
15:92849172_C_T	rs15929793	15	92849172	T C	0.905742	-0.103114	0.0242228	1.98E-05
15:29979490_A_G	rs147211324	15	29979490	G A	1.80738	0.843435	0.185881	1.99E-05
3:103454485_G_C	rs114935706	3	103454485	C G	0.565353	-0.833248	0.225566	1.99E-05
2:155702768_A_G	rs2937600	2	155702768	G A	0.896722	-0.112798	0.0265909	1.99E-05
5:82889848_T_G	rs310500	5	82889848	G T	0.9035	-0.101107	0.0237005	1.99E-05
8:139592750_T_C	rs6997675	8	139592750	C T	1.25849	0.232348	0.0534502	2.00E-05
13:41683654_T_G	rs79869547	13	41683654	G T	0.554177	-0.606636	0.153998	2.01E-05
6:90134283_ATGG_A	rs35434393	6	90134283	A ATGG	0.886106	-0.127854	0.0302428	2.01E-05
2:42586857_G_T	rs146874390	2	42586857	T G	0.466815	-0.92964	0.251016	2.02E-05
5:82881420_A_G	rs309600	5	82881420	G A	0.903693	-0.101551	0.0238148	2.03E-05
2:155702733_A_ATAAAT	rs5700740	2	155702733	ATAA	0.896812	-0.112702	0.0265914	2.03E-05
5:82881455_G_A	rs309599	5	82881455	A G	0.903696	-0.101549	0.0238149	2.03E-05
7:48728126_A_G	rs192882029	7	48728126	G A	1.31729	0.281751	0.0645392	2.03E-05
1:175742198_G_C	rs528183461	1	175742198	C G	1.19889	0.180006	0.0416934	2.03E-05
5:51389318_G_A	.	5	51389318	A G	1.46147	0.456179	0.0456179	2.04E-05
7:48728111_A_C	rs188493291	7	48728111	C A	1.31721	0.28166	0.0645373	2.04E-05
14:99823466_A_C	rs1740234	14	99823466	C A	1.23185	0.211137	0.0487463	2.05E-05
7:48728109_G_C	rs547947168	7	48728109	C G	1.31716	0.281607	0.0645369	2.05E-05
14:99823216_C_T	rs906931	14	99823216	T C	1.2318	0.211083	0.0487438	2.05E-05
6:69606974_G_A	rs141414213	6	69606974	A G	0.498481	-0.743625	0.19356	2.06E-05
12:79786391_C_T	rs75586263	12	79786391	T C	1.37482	0.364696	0.0829842	2.08E-05
1:244678130_CA_C	rs550387216	1	244678130	C CA	1.40629	0.487628	0.109804	2.09E-05
12:116738925_T_G	rs117099065	12	116738925	G T	1.55268	0.440496	0.100105	2.09E-05
5:43125795_A_G	rs71627577	5	43125795	G A	0.850065	-0.169576	0.0404806	2.10E-05
6:35334289_A_G	rs181759567	6	35334289	G A	2.42895	1.01017	0.225512	2.10E-05
14:99489854_T_C	rs189022861	14	99489854	C T	2.61135	1.21851	0.275634	2.11E-05
1:190505489_C_G	rs577541240	1	190505489	G C	0.454715	-1.26716	0.397749	2.12E-05
14:99823773_G_A	rs73346650	14	99823773	A G	1.23108	0.210771	0.0488071	2.16E-05
6:36972813_A_G	rs1753287	6	36972813	G A	0.903585	-0.109483	0.0258883	2.17E-05
17:25570786_C_A	rs62057217	17	25570786	A C	1.44125	0.486468	0.109564	2.17E-05
5:177964317_T_C	rs262020	5	177964317	C T	1.10869	0.108129	0.025564	2.18E-05
9:29378266_G_A	rs1929833	9	29378266	A G	0.858393	-0.156481	0.03646	2.19E-05
4:6763754_G_GC	rs553757798	4	6763754	GC G	0.779099	-0.398523	0.0995339	2.20E-05
2:218539602_G_T	rs7565469	2	218539602	T G	1.72894	0.873196	0.239125	2.20E-05
20:39622902_C_CA	rs547870719	20	39622902	CA C	0.853517	-0.174381	0.0417521	2.20E-05
14:90956382_CTT_C	rs368601859	14	90956382	C CTT	0.62734	-0.552803	0.140703	2.21E-05
1:221233636_G_GT	rs201368573	1	221233636	GT G	1.82877	0.772588	0.172077	2.21E-05
11:120289938_C_T	rs147767927	11	120289938	T C	0.577806	-0.710939	0.187452	2.21E-05
4:10667686_G_C	rs112796986	4	10667686	C G	0.731892	-0.368824	0.0909601	2.22E-05
11:102360216_C_T	rs113426471	11	102360216	T C	2.15883	0.826763	0.185505	2.22E-05
17:21964474_C_T	rs117394365	17	21964474	T C	1.53582	0.456482	0.103778	2.22E-05
11:108566139_C_G	rs147001528	11	108566139	G C	0.398242	-2.70746	1.96808	2.22E-05
7:41244179_T_G	rs562224294	7	41244179	G T	2.38738	1.37993	0.304699	2.25E-05
7:29844891_G_C	rs11972978	7	29844891	C G	0.809305	-0.208257	0.0501345	2.25E-05
11:32988904_A_C	rs184288624	11	32988904	C A	1.78208	0.654999	0.147282	2.26E-05
2:155663433_G_A	rs2652449	2	155663433	A G	1.10628	0.102121	0.0241597	2.26E-05
2:143655845_G_A	rs14847360	2	143655845	A G	1.49939	0.406855	0.0930306	2.27E-05
2:236561022_T_C	rs12991596	2	236561022	C T	0.907224	-0.103916	0.0245488	2.27E-05
11:32591242_A_C	rs181258090	11	32591242	C A	1.81497	0.654318	0.147441	2.28E-05
6:87392041_C_G	rs117774486	6	87392041	G C	0.713326	-0.345099	0.0845646	2.28E-05
6:104687256_G_A	rs185443721	6	104687256	A G	0.598244	-0.704256	0.186549	2.29E-05
10:130344944_A_G	rs6482685	10	130344944	G A	0.90481	-0.100427	0.023705	2.29E-05
7:31537624_C_A	.	7	31537624	A C	0.547634	-1.49796	0.475397	2.29E-05
7:29843228_T_C	rs10240898	7	29843228	C T	0.809177	-0.207297	0.0499718	2.32E-05
5:126070967_C_A	rs112498353	5	126070967	A C	0.881612	-0.129239	0.0308279	2.34E-05

8:73405224_G_A	rs371114139	8	73405224	A	G	2.63475	1.29961	0.292232	2.34E-05
13:48095922_A_G	rs2478313	13	48095922	G	A	0.812868	-0.211511	0.0491793	2.35E-05
8:75245754_C_T	rs60785655	8	75245754	T	C	1.12629	0.11572	0.0272301	2.36E-05
6:87012360_A_G	rs148501690	6	87012360	G	A	0.701346	-0.391297	0.0970807	2.36E-05
8:73200384_T_C	rs720058126	8	73200384	C	T	0.419173	-3.52665	3.7298	2.37E-05
12:123895593_A_T	rs28720681	12	123895593	T	A	0.876884	-0.160304	0.0385585	2.37E-05
21:30410350_A_C	rs2832155	21	30410350	C	A	1.12532	0.117269	0.0279315	2.37E-05
4:129209648_G_C	rs139678956	4	129209648	C	G	0.448846	-7.7636	18.2409	2.37E-05
14:90197278_C_T	rs187574947	14	90197278	T	C	0.433714	-0.988267	0.272137	2.38E-05
17:3633740_T_C	rs199917678	17	3633740	C	T	0.901311	-0.10906	0.0259274	2.39E-05
19:14354509_C_T	rs141528247	19	14354509	T	C	0.67768	-0.506122	0.128624	2.39E-05
8:75234281_T_C	rs28434768	8	75234281	C	T	1.12609	0.115589	0.0272279	2.40E-05
9:29387802_C_T	rs7855947	9	29387802	T	C	0.859452	-0.154563	0.0362024	2.41E-05
5:325612_C_G	.	5	325612	G	C	2.25109	1.14936	0.260629	2.41E-05
4:179802697_G_A	rs187690986	4	179802697	A	G	1.41553	0.363974	0.0836896	2.41E-05
11:120354049_A_G	rs55996534	11	120354049	G	A	0.573492	-0.658364	0.172011	2.41E-05
20:34019579_C_T	rs224329	20	34019579	T	C	0.897882	-0.10445	0.0248254	2.41E-05
5:74633264_G_A	rs115169875	5	74633264	A	G	1.35084	0.293725	0.0679588	2.42E-05
3:18987478_C_T	rs13905969	3	18987478	T	C	0.610092	-0.6684	0.175012	2.43E-05
6:90142075_GA_G	rs141027813	6	90142075	G	GA	0.886933	-0.126446	0.0302101	2.43E-05
15:78241930_G_T	rs558820858	15	78241930	T	G	1.58757	0.865029	0.192199	2.43E-05
1:156797559_A_C	rs11264565	1	156797559	C	A	1.21429	0.196987	0.0459763	2.44E-05
15:92845029_G_A	rs11637097	15	92845029	A	G	0.906878	-0.102156	0.0242705	2.45E-05
21:30386936_A_G	rs9980192	21	30386936	G	A	1.12546	0.116766	0.0278548	2.45E-05
9:29383447_G_A	rs1929835	9	29383447	A	G	0.859579	-0.154402	0.0361998	2.45E-05
9:29388614_T_A	rs1929837	9	29388614	A	T	0.859558	-0.154426	0.0362181	2.47E-05
9:29373566_A_G	rs77576783	9	29373566	G	A	0.876311	-0.143193	0.0336399	2.48E-05
12:116089046_A_G	rs2384662	12	116089046	G	A	0.901438	-0.104135	0.0247962	2.50E-05
13:48108983_A_G	rs9534674	13	48108983	G	A	0.812761	-0.209993	0.0490153	2.50E-05
9:29373568_A_G	rs29373568	9	29373568	G	A	0.876374	-0.143102	0.0336419	2.51E-05
20:16140831_A_G	rs62196417	20	16140831	G	A	1.56614	0.442945	0.101658	2.52E-05
19:36298595_A_T	rs7252583	19	36298595	T	A	0.880816	-0.126896	0.0303813	2.53E-05
12:129206693_C_T	rs7313498	12	129206693	T	C	1.10856	0.104887	0.0249913	2.54E-05
11:21643221_A_AT	rs530115429	11	21643221	AT	A	0.456084	-7.71648	18.3475	2.55E-05
8:144740167_C_T	rs118118629	8	144740167	T	C	1.21284	0.213736	0.0498266	2.55E-05
11:120344439_T_C	rs56313347	11	120344439	C	T	0.574206	-0.654219	0.171225	2.55E-05
18:65458819_C_A	rs187829827	18	65458819	A	C	2.01532	0.712416	0.1621496	2.56E-05
17:30086321_C_T	rs73988456	17	30086321	T	C	0.838033	-0.174601	0.0421385	2.56E-05
21:30393664_A_T	rs6516886	21	30393664	T	A	1.12513	0.116354	0.0278281	2.57E-05
20:34026138_TCACACACAC	rs3842525	20	34026138	T	TCACACACAC	0.898436	-0.104534	0.0249341	2.58E-05
5:82897465_C_T	rs309564	5	82897465	T	C	0.904976	-0.0997183	0.0236947	2.58E-05
19:14356456_T_TG	rs532807536	19	14356456	TG	T	0.677666	-0.500732	0.127628	2.59E-05
10:126980389_C_T	rs11595360	10	126980389	T	C	1.18088	0.173759	0.0407786	2.59E-05
11:134406468_G_A	rs145565649	11	134406468	A	G	2.10995	1.08934	0.245194	2.61E-05
9:29394949_T_C	rs10813065	9	29394949	C	T	0.876781	-0.138616	0.0326897	2.63E-05
3:107057299_G_C	rs573775446	3	107057299	C	G	0.741016	-0.334592	0.0829002	2.64E-05
10:108076203_T_C	rs821706	10	108076203	C	T	1.11369	0.106605	0.0254707	2.64E-05
4:129160365_C_A	rs143609597	4	129160365	A	C	0.447072	-7.81373	18.5113	2.64E-05
4:8102209_C_G	rs140668949	4	8102209	G	C	1.51845	0.562661	0.127476	2.65E-05
4:132899968_A_C	rs113165797	4	132899968	C	A	1.57304	0.469953	0.107939	2.67E-05
1:121376690_C_G	rs587686039	1	121376690	G	C	0.560578	-1.44129	0.458681	2.67E-05
20:34023962_G_A	rs224333	20	34023962	A	G	0.898387	-0.103998	0.0248557	2.68E-05
2:242205319_C_T	rs551396506	2	242205319	T	C	0.394816	-1.27173	0.372271	2.68E-05
1:47281082_G_A	rs150836169	1	47281082	A	G	0.552281	-0.865712	0.238872	2.68E-05
15:65192847_A_AAAG	rs56737598	15	65192847	AAA	A	0.910676	-0.110954	0.0265188	2.69E-05
19:5603010_G_C	.	19	5603010	C	G	1.7743	0.669624	0.152122	2.70E-05
11:73000403_T_C	rs7942649	11	73000403	C	T	1.14383	0.135179	0.0319422	2.71E-05
6:114513981_G_A	rs190354409	6	114513981	A	G	1.63949	0.522779	0.119779	2.71E-05
19:3249679_C_A	rs542585095	19	3249679	A	C	0.387614	-2.72332	1.6291	2.72E-05
19:16505699_C_T	rs146831227	19	16505699	T	C	1.91692	0.758921	0.172205	2.73E-05
3:10753015_G_A	rs141049755	3	10753015	A	G	0.447651	-1.27008	0.383044	2.73E-05
10:108077040_C_A	rs821707	10	108077040	A	C	1.1135	0.106341	0.0254528	2.73E-05
2:8425120_G_A	rs72781025	2	8425120	A	G	1.19068	0.179049	0.0421171	2.74E-05
10:609580_A_C	rs11253214	10	609580	C	A	0.904939	-0.102176	0.0244291	2.75E-05
1:1660726_T_C	rs1061884	1	1660726	C	T	1.08899	0.11767	0.0281063	2.75E-05
13:48109948_GA_G	rs142451554	13	48109948	G	GA	0.813355	-0.20941	0.0491317	2.76E-05
5:22330235_G_A	rs114717360	5	22330235	A	G	1.47143	0.407923	0.0942564	2.78E-05
5:180350167_A_G	rs62406718	5	180350167	G	A	0.904057	-0.106871	0.0254347	2.79E-05
11:86397274_A_G	rs7949345	11	86397274	G	A	0.706137	-0.704777	0.19215	2.79E-05
19:54917685_C_CT	rs11392365	19	54917685	CT	C	0.911326	-0.108681	0.0259149	2.79E-05
7:4011696_A_G	rs564376975	7	4011696	G	A	2.57146	0.996278	0.227393	2.81E-05
7:90605395_G_A	rs185989046	7	90605395	A	G	1.93235	0.883478	0.199076	2.81E-05
6:140950979_T_C	rs140525928	6	140950979	C	T	1.419922	-2.35712	1.45175	2.82E-05
2:240660474_T_C	rs532230957	2	240660474	C	T	0.709943	-0.554285	0.144664	2.83E-05
2:23662143_TATAAC_T	rs138275032	2	23662143	T	TATAAC	0.907494	-0.102764	0.024585	2.84E-05
5:124110347_AACAT_A	rs138991377	5	124110347	A	AACAT	1.10568	0.103639	0.0247067	2.84E-05
20:36752677_A_ACT	rs556818531	20	36752677	ACT	A	2.55412	0.982719	0.225405	2.84E-05
21:30073577_CT_C	rs138086304	21	30073577	C	CT	0.82581	-0.186446	0.0453189	2.85E-05
21:30392826_C_G	rs9982332	21	30392826	G	C	1.12436	0.115709	0.0278323	2.86E-05
21:30384933_A_G	rs7277778	21	30384933	G	A	1.12433	0.11579	0.0278525	2.86E-05
1:156789296_T_TTTTTT	rs148077088	1	156789296	TTTT	T	0.826539	-0.195751	0.046085	2.87E-05
5:68810026_A_G	rs542173763	5	68810026	G	A	1.87356	0.988471	0.222576	2.89E-05
8:26495300_C_T	rs71519607	8	26495300	T	C	0.832965	-0.202814	0.0495339	2.89E-05
9:23979857_C_CT	rs11392500	9	23979857	CT	C	1.10244	0.100472	0.0240286	2.89E-05

20:33465395_C_A	rs181325991	20	33465395	A C	0.602251	-0.583038	0.151358	2.89E-05
14:34734429_G_C	rs140842513	14	34734429	C G	0.586259	-0.955518	0.270523	2.90E-05
21:30378191_T_TC	rs112411829	21	30378191	TC T	1.124	0.11572	0.0278593	2.90E-05
9:29381110_G_T	rs11524671	9	29381110	T G	0.86076	-0.15302	0.0362098	2.91E-05
11:81621918_AAAT_A	rs377436409	11	81621918	A AAAT	0.902523	-0.117955	0.0283938	2.91E-05
21:30389622_A_G	rs7275747	21	30389622	G A	1.12419	0.115559	0.0278318	2.93E-05
21:30388553_G_A	rs7280043	21	30388553	A G	1.12419	0.115555	0.0278314	2.93E-05
21:30390157_A_G	rs10854321	21	30390157	G A	1.12412	0.115511	0.0278339	2.95E-05
5:51266990_C_A	rs74518180	5	51266990	A C	1.7129	0.598126	0.136916	2.96E-05
3:147406960_C_T	rs185938740	3	147406960	T C	1.91818	0.852104	0.194365	2.96E-05
20:62856686_A_G	rs2320360	20	62856686	G A	1.11798	0.109644	0.026142	2.96E-05
9:29414554_C_T	rs7851833	9	29414554	T C	0.860215	-0.151967	0.0360117	2.98E-05
21:30391309_A_G	rs878797	21	30391309	G A	1.12405	0.115436	0.0278318	2.99E-05
10:62180825_CAT_C	rs200297447	10	62180825	C CAT	0.589513	-0.52541	0.134145	2.99E-05
19:45055093_A_G	rs72489047	19	45055093	G A	0.447362	-6.77795	16.7328	2.99E-05
17:30095450_G_A	rs60980023	17	30095450	A G	0.83994	-0.172953	0.0420861	2.99E-05
19:16139269_G_A	rs4808425	19	16139269	A G	0.637395	-0.69093	0.185775	3.00E-05
20:62861021_T_C	rs3003143	20	62861021	C T	1.23735	0.221025	0.0541071	3.02E-05
10:108057049_C_T	rs4918223	10	108057049	T C	0.899653	-0.10691	0.0257358	3.03E-05
17:30085681_C_T	rs73988454	17	30085681	T C	0.839464	-0.173556	0.0422626	3.03E-05
1:176431363_T_C	rs181558789	1	176431363	C T	1.73808	0.594426	0.13663	3.03E-05
18:65491626_A_G	rs12457772	18	65491626	G A	0.877237	-0.130743	0.0311146	3.05E-05
21:30400110_G_A	rs8133768	21	30400110	A G	1.12395	0.115264	0.0278213	3.05E-05
13:48110900_C_T	rs12858395	13	48110900	T C	0.81422	-0.208078	0.0490969	3.05E-05
10:15006305_A_C	rs148219541	10	15006305	C A	0.7825	-0.251008	0.0617586	3.06E-05
21:30139236_C_T	rs8128403	21	30139236	T C	0.895675	-0.107962	0.0272015	3.07E-05
4:129120736_C_T	rs201885302	4	129120736	T C	0.445436	-7.81376	18.6962	3.08E-05
2:179880417_C_T	.	2	179880417	T C	2.0581	1.33812	0.305694	3.08E-05
14:104903159_C_T	rs140558927	14	104903159	T C	0.72578	-0.351807	0.0880681	3.09E-05
21:30017560_C_T	rs10236433	21	30017560	T C	0.826858	-0.188395	0.0460173	3.09E-05
2:160556894_G_A	rs566365195	2	160556894	A G	0.394075	-1.883	0.663934	3.09E-05
13:48108499_A_T	rs111465282	13	48108499	T A	0.814383	-0.207917	0.0491014	3.10E-05
8:75232531_G_A	rs28688760	8	75232531	A G	1.1245	0.113879	0.0272015	3.10E-05
2:7735711_C_T	rs189209189	2	7735711	T C	2.17486	1.04995	0.236899	3.11E-05
17:74428367_C_T	rs192143720	17	74428367	T C	1.58547	0.657072	0.14951	3.12E-05
12:116741957_T_C	rs75537867	12	116741957	C T	1.54173	0.430318	0.0999925	3.13E-05
6:50611060_CA_C	rs11309356	6	50611060	C CA	1.12119	0.136614	0.0325479	3.13E-05
20:36752386_T_A	rs544742437	20	36752386	A T	2.53253	0.976637	0.225279	3.14E-05
20:36752387_A_T	rs556382004	20	36752387	T A	2.53253	0.976637	0.225279	3.14E-05
3:25046527_A_G	rs149006313	3	25046527	G A	2.06601	0.750761	0.172355	3.15E-05
22:43707378_C_G	rs75488730	22	43707378	G C	1.62108	0.502905	0.11619	3.17E-05
17:30083743_A_G	rs73988450	17	30083743	G A	0.839909	-0.172977	0.0422309	3.18E-05
1:156802940_G_A	rs4661227	1	156802940	A G	1.21204	0.19369	0.0458774	3.18E-05
16:12794055_G_A	.	16	12794055	A G	0.464137	-5.31077	10.2836	3.19E-05
17:7912647_C_T	rs184234997	17	7912647	T C	2.03379	0.917284	0.20896	3.20E-05
8:8040867_A_G	rs113923334	8	8040867	G A	0.90878	-0.100783	0.0242636	3.21E-05
1:216785859_A_T	rs180909003	1	216785859	T A	1.95401	0.778838	0.178266	3.22E-05
9:29380427_CA_C	rs74173384	9	29380427	C CA	0.861573	-0.152924	0.0363894	3.22E-05
13:48109632_T_A	rs2503434	13	48109632	A T	0.814675	-0.207358	0.0490787	3.23E-05
15:92838046_A_G	rs8025981	15	92838046	G A	0.90835	-0.100605	0.0242642	3.23E-05
1:175757061_C_T	rs12561903	1	175757061	T C	1.19415	0.175296	0.0416454	3.24E-05
14:53742598_A_G	rs75216873	14	53742598	G A	1.39443	0.342192	0.080167	3.24E-05
13:48092431_T_TA	rs11430301	13	48092431	TA T	0.815691	-0.207576	0.04915	3.26E-05
21:30330451_G_A	rs2247809	21	30330451	A G	0.890235	-0.114803	0.0278113	3.26E-05
5:126070892_G_A	rs78864709	5	126070892	A G	0.883713	-0.12713	0.0308691	3.26E-05
13:48103647_G_A	rs1575893	13	48103647	A G	0.814685	-0.207106	0.0490505	3.26E-05
7:48729297_C_A	rs547708360	7	48729297	A C	1.30688	0.270273	0.0635596	3.27E-05
11:32375722_G_C	rs141612238	11	32375722	C G	1.88001	0.660597	0.152015	3.27E-05
5:3701103_TTTC_T	rs144644330	5	3701103	T TTTC	1.10353	0.112509	0.0272283	3.27E-05
3:18985821_A_G	rs149038557	3	18985821	G A	0.618836	-0.656077	0.174263	3.27E-05
16:17380580_T_C	rs17212112	16	17380580	C T	0.848484	-0.161892	0.0395239	3.28E-05
18:65491515_T_C	rs11660981	18	65491515	C T	0.877794	-0.130267	0.0311286	3.28E-05
9:29380399_A_C	rs1929834	9	29380399	C A	0.861492	-0.152581	0.0363466	3.28E-05
17:30104096_G_A	rs16966878	17	30104096	A G	0.837838	-0.181342	0.0444213	3.30E-05
4:81265564_A_G	rs141984917	4	81265564	G A	1.54971	0.528754	0.121723	3.31E-05
21:30373541_T_C	rs1970052	21	30373541	C T	1.12327	0.114754	0.0278242	3.31E-05
13:48105199_T_C	rs2503439	13	48105199	C T	0.815343	-0.207187	0.0491073	3.31E-05
1:25329086_GATA_G	rs199720486	1	25329086	G GATA	0.905306	-0.101872	0.0245217	3.34E-05
7:48725899_C_T	rs560779861	7	48725899	T C	1.31845	0.287339	0.0674848	3.34E-05
21:30376145_T_C	rs2150403	21	30376145	C T	1.1232	0.114821	0.0278586	3.35E-05
13:52976300_G_T	rs9526914	13	52976300	T G	0.904154	-0.102617	0.024682	3.37E-05
2:17259264_C_G	rs115619939	2	17259264	G C	1.25881	0.257555	0.060708	3.37E-05
2:28330639_C_A	rs62140430	2	28330639	A C	0.900491	-0.108857	0.0263803	3.38E-05
8:19680315_G_T	rs536599446	8	19680315	T G	2.26339	1.02577	0.232801	3.39E-05
4:109346825_A_G	rs536601183	4	109346825	G A	1.99368	0.774805	0.177683	3.41E-05
10:19172485_T_A	rs188787985	10	19172485	A T	1.4943	0.413722	0.0965052	3.42E-05
13:48093812_G_C	rs2478310	13	48093812	C G	0.816072	-0.207159	0.049181	3.42E-05
4:82054670_C_T	rs111395754	4	82054670	T C	0.709303	-0.34642	0.0868814	3.42E-05
2:169488175_TTTTATA_T	rs201576662	2	169488175	T TTTTATA	0.770388	-0.292445	0.068824	3.43E-05
5:126080480_C_G	rs2408773	5	126080480	G C	0.883724	-0.126769	0.0308698	3.43E-05
1:156792944_T_C	rs12073087	1	156792944	C T	1.20864	0.193259	0.045963	3.44E-05
5:75017634_C_T	rs114343415	5	75017634	T C	1.3432	0.287204	0.0677644	3.45E-05
17:30084943_T_C	rs73988453	17	30084943	C T	0.840505	-0.171999	0.0421773	3.45E-05
5:82881072_G_GT	rs35497793	5	82881072	GT G	0.906761	-0.0991233	0.0239264	3.45E-05

20:59098853_G_A	rs6064938	20	59098853	A G	1.12037	0.117581	0.0282333	3.46E-05
14:84986351_C_T	.	14	84986351	T C	0.352361	-1.36805	0.42938	3.46E-05
20:17923497_T_G	rs200134008	20	17923497	G T	1.81856	0.830116	0.189362	3.48E-05
6:141065373_G_GCGACATA	rs201797349	6	141065373	GCGG	0.547641	-0.770126	0.210691	3.50E-05
14:27062709_T_C	rs185928636	14	27062709	C T	0.355403	-1.40771	0.441448	3.50E-05
17:22070133_G_T	rs62051428	17	22070133	T G	1.55041	0.930831	0.206445	3.50E-05
5:2117538_G_A	rs186233182	5	2117538	A G	1.69037	0.673102	0.154948	3.52E-05
10:126918276_A_G	rs9423033	10	126918276	G A	1.17466	0.166538	0.0397597	3.52E-05
17:30083116_C_T	rs77396831	17	30083116	T C	0.840786	-0.171945	0.0422126	3.52E-05
8:37727953_A_G	rs140616452	8	37727953	G A	1.92193	0.777648	0.177926	3.53E-05
6:49845175_C_T	rs149357009	6	49845175	T C	2.27955	0.929684	0.213608	3.53E-05
4:79211957_CIT_C	rs67623532	4	79211957	C CIT	1.11042	0.119088	0.0290029	3.54E-05
13:68485917_G_A	rs542897025	13	68485917	A G	2.11568	0.907111	0.208329	3.54E-05
7:4692041_C_T	.	7	4692041	T C	0.399629	-1.64565	0.553211	3.55E-05
1:80664212_T_C	rs17486685	1	80664212	C T	0.905022	-0.101236	0.0245568	3.56E-05
21:30409057_C_A	rs2832153	21	30409057	A C	1.12036	0.112699	0.0274301	3.57E-05
13:48092078_CAA_C	rs61347817	13	48092078	C CAA	0.816352	-0.206492	0.0491574	3.59E-05
13:48092097_C_T	rs2478340	13	48092097	T C	0.816352	-0.206492	0.0491574	3.59E-05
2:127865505_C_A	rs116113951	2	127865505	A C	0.654542	-0.496934	0.129197	3.59E-05
10:108059857_T_C	rs34533782	10	108059857	C T	0.899638	-0.107088	0.0260346	3.60E-05
6:50428804_TAC_T	rs143953521	6	50428804	T TAC	1.19647	0.192608	0.0458983	3.60E-05
13:48093941_G_A	rs2478311	13	48093941	A G	0.81648	-0.206329	0.0491519	3.63E-05
9:136703972_A_AATGGATGGA	rs534999725	9	136703972	AAAT	0.494991	-0.985617	0.281176	3.63E-05
3:192542632_T_G	rs10937558	3	192542632	G T	0.906917	-0.0983123	0.0238156	3.64E-05
13:52971893_G_A	rs3803264	13	52971893	A G	0.904537	-0.102165	0.0246816	3.65E-05
13:48093491_C_T	rs2503449	13	48093491	T C	0.816533	-0.206268	0.0491531	3.65E-05
1:175775805_A_AT	rs200460741	1	175775805	AT A	1.24396	0.22182	0.0528634	3.67E-05
17:30082047_C_T	rs145081786	17	30082047	T C	0.84128	-0.171726	0.0422652	3.68E-05
10:24598281_A_G	rs2014556	10	24598281	G A	1.34165	0.433548	0.100809	3.68E-05
13:48091976_G_A	rs2503450	13	48091976	A G	0.816643	-0.206309	0.0492018	3.70E-05
13:48091801_GACTTAA_G	rs11278193	13	48091801	G GACTTAA	0.816701	-0.206086	0.0491531	3.71E-05
11:32718754_C_T	rs191421676	11	32718754	T C	1.77988	0.640335	0.148132	3.71E-05
13:48091926_C_T	rs2478338	13	48091926	T C	0.816661	-0.206284	0.0492019	3.71E-05
13:48091951_C_T	rs2478339	13	48091951	T C	0.816661	-0.206284	0.0492019	3.71E-05
4:129103013_T_C	rs548408581	4	129103013	C T	0.448709	-7.80603	18.8666	3.74E-05
13:48092296_C_T	rs2478341	13	48092296	T C	0.81674	-0.206202	0.0492019	3.74E-05
13:48100041_C_T	rs1326480	13	48100041	T C	0.0485809	-0.205238	0.0489862	3.74E-05
16:76123194_A_C	rs560152809	16	76123194	C A	2.87945	1.15483	0.269355	3.75E-05
19:53602332_G_A	rs59972357	19	53602332	A G	0.648167	-0.797408	0.222972	3.78E-05
11:123790959_G_A	rs1545529	11	123790959	A G	0.875758	-0.131181	0.0321501	3.80E-05
3:192544984_A_C	rs6444665	3	192544984	C A	0.907302	-0.0983088	0.0238772	3.81E-05
13:52955899_T_G	rs9536046	13	52955899	G T	0.904696	-0.10187	0.0246772	3.83E-05
2:2605114_G_A	rs143290063	2	2605114	A G	1.59252	0.510534	0.119056	3.84E-05
10:127014001_G_A	rs127014001	10	127014001	A G	1.17783	0.171061	0.0410185	3.84E-05
1:156795006_A_T	rs4661222	1	156795006	T A	1.20773	0.192141	0.0459856	3.84E-05
13:48094184_T_C	rs2503448	13	48094184	C T	0.817033	-0.205902	0.0492129	3.85E-05
3:26117140_C_T	rs9821503	3	26117140	T C	0.891788	-0.11409	0.0275736	3.85E-05
13:48103518_G_A	rs1575892	13	48103518	A G	0.816103	-0.205614	0.0491546	3.86E-05
7:150542611_A_AT	rs150149364	7	150542611	AT A	0.847793	-0.167647	0.0413494	3.86E-05
5:142398337_C_A	rs9324900	5	142398337	A C	0.745369	-0.306772	0.0770113	3.88E-05
13:48097811_G_T	rs2478314	13	48097811	T G	0.816383	-0.204912	0.049011	3.88E-05
17:30078299_C_T	rs2111666	17	30078299	T C	0.845307	-0.168625	0.0416252	3.91E-05
13:52959835_C_CA	rs112762703	13	52959835	CA C	0.904827	-0.101771	0.0246812	3.91E-05
10:127007048_C_T	rs10901372	10	127007048	T C	1.17774	0.170731	0.0409912	3.92E-05
14:97826357_C_A	rs144315296	14	97826357	A C	1.65286	0.518946	0.12127	3.93E-05
3:77113598_G_A	rs11914572	3	77113598	A G	0.347089	-1.4848	0.477466	3.93E-05
5:30336498_A_G	rs114888104	5	30336498	G A	1.64783	0.692075	0.158366	3.93E-05
12:116448048_C_G	rs79263547	12	116448048	G C	1.52374	0.425448	0.100152	3.94E-05
17:72720892_G_GA	.	17	72720892	GA G	2.30659	1.24824	0.288661	3.94E-05
16:75687577_G_T	rs149305174	16	75687577	T G	0.476047	-0.884856	0.245597	3.94E-05
10:6498457_C_T	rs147667901	10	6498457	T C	1.46193	0.41874	0.0984565	3.95E-05
11:72993695_T_A	rs7121712	11	72993695	A T	1.14115	0.131767	0.0317995	3.96E-05
21:30137218_CA_C	rs67478026	21	30137218	C CA	0.897063	-0.106379	0.0260092	3.96E-05
13:52960709_G_C	rs9536052	13	52960709	C G	0.904914	-0.101691	0.0246803	3.96E-05
9:23997482_A_T	rs6475774	9	23997482	T A	0.911861	-0.102694	0.0250007	3.97E-05
2:155654722_ACACACACACAC	.	2	155654722	A ACACACACAC	1.08896	0.162211	0.0389853	3.98E-05
9:111985411_G_T	rs191326300	9	111985411	T G	0.577698	-0.718976	0.19558	3.99E-05
3:74117576_C_CA	rs34340003	3	74117576	CA C	0.89663	-0.118846	0.0291421	3.99E-05
12:48247205_G_A	rs189890980	12	48247205	A G	1.87864	0.950633	0.219384	3.99E-05
5:82897596_T_C	rs309566	5	82897596	C T	0.907092	-0.0971808	0.0236567	3.99E-05
16:77173307_C_G	rs143174845	16	77173307	G C	0.481298	-0.789214	0.215281	4.00E-05
17:30098688_G_C	rs7211317	17	30098688	C G	0.842826	-0.1695	0.0419088	4.01E-05
16:25141966_GA_C	rs151189729	16	25141966	C CA	1.80394	0.679418	0.157711	4.03E-05
13:104435494_C_T	rs74423075	13	104435494	T C	0.398526	-1.09481	0.315447	4.05E-05
17:30091054_T_C	rs2107227	17	30091054	C T	0.843044	-0.169618	0.0419564	4.05E-05
1:95439688_C_T	rs562423448	1	95439688	T C	0.453985	-1.21803	0.367577	4.05E-05
5:82877682_A_G	rs11726	5	82877682	G A	0.90721	-0.0978006	0.0238192	4.06E-05
1:156805573_C_T	rs12098085	1	156805573	T C	1.2098	0.191118	0.0458968	4.07E-05
17:15984696_TA_T	rs67148328	17	15984696	T TA	0.924589	-0.127623	0.0310179	4.07E-05
3:87453882_C_T	rs82105197	3	87453882	T C	0.68211	-0.489752	0.127596	4.07E-05
5:95011189_A_G	rs55796768	5	95011189	G A	1.45522	0.379075	0.0897677	4.11E-05
1:92179918_C_T	rs17887218	1	92179918	T C	0.812134	-0.2078	0.051669	4.11E-05
2:43180264_C_T	rs560618979	2	43180264	T C	0.379568	-1.22062	0.367524	4.11E-05
2:54246477_A_G	rs114810075	2	54246477	G A	0.658416	-0.47967	0.124931	4.12E-05

20:62887311_CCACCCCGG_C	rs200781302	20	62887311	C	CCACCCCGG	0.750134	-0.327719	0.0831331	4.12E-05
16:8951303_CT_C	rs563339749	16	8951303	C	CT	1.1017	0.108774	0.0264429	4.12E-05
9:21351880_C_T	rs570990569	9	21351880	T	C	0.385662	-0.975447	0.272619	4.12E-05
6:155355003_A_G	rs7382185	6	155355003	G	A	0.801333	-0.225224	0.0539071	4.13E-05
7:29839674_T_G	rs77813257	7	29839674	G	T	0.815167	-0.202021	0.050247	4.13E-05
1:156804520_G_A	rs11486143	1	156804520	A	G	1.20792	0.190374	0.0457701	4.14E-05
13:21339772_G_A	rs568615439	13	21339772	A	G	0.519945	-0.995309	0.290206	4.15E-05
11:73001547_T_C	rs34023835	11	73001547	C	T	1.13791	0.133957	0.032404	4.15E-05
7:29845159_A_G	rs11979831	7	29845159	G	A	0.821094	-0.196677	0.0489078	4.15E-05
9:91196571_A_G	rs559200560	9	91196571	G	A	0.39271	-1.19832	0.355908	4.16E-05
2:236568023_C_T	rs1881186	2	236568023	T	C	0.90726	-0.0977948	0.0238896	4.17E-05
14:90952885_G_T	rs116859481	14	90952885	T	G	0.645831	-0.530477	0.13971	4.18E-05
20:56465967_T_C	rs6070304	20	56465967	C	T	1.12163	0.122228	0.0300804	4.20E-05
22:20952636_T_G	rs853125	22	20952636	G	T	0.567107	-2.26457	0.936323	4.20E-05
16:9076388_T_G	rs553719558	16	9076388	G	T	1.29722	0.323146	0.0765431	4.21E-05
9:29403297_C_T	rs10813071	9	29403297	T	C	0.862312	-0.149495	0.0361202	4.21E-05
9:29401776_A_T	rs2383807	9	29401776	T	A	0.862341	-0.1495	0.0361218	4.21E-05
10:126920555_G_T	rs999008	10	126920555	T	G	1.17325	0.165134	0.039828	4.21E-05
8:28298085_C_G	rs554768324	8	28298085	G	C	2.33801	1.42022	0.338817	4.21E-05
12:116413835_A_G	rs78938873	12	116413835	G	A	1.53355	0.427294	0.100977	4.23E-05
11:72998247_A_G	rs2027764	11	72998247	G	A	1.14056	0.131332	0.0318158	4.24E-05
10:62173051_A_T	rs10994333	10	62173051	T	A	0.594565	-0.514643	0.133796	4.24E-05
11:3697575_G_A	rs118023591	11	3697575	A	G	0.468692	-2.2176	0.91171	4.24E-05
17:7275499_C_CA	rs570519553	17	7275499	CA	C	1.15977	0.159731	0.0385474	4.24E-05
13:48089968_G_A	rs2503454	13	48089968	A	G	0.817866	-0.204721	0.0492152	4.26E-05
6:147964790_T_C	rs7311988	6	147964790	C	T	0.750618	-0.297316	0.0749508	4.27E-05
1:156790959_A_T	rs77053355	1	156790959	T	A	1.2072	0.193493	0.0465756	4.28E-05
9:29401840_C_T	rs2383808	9	29401840	T	C	0.862479	-0.149446	0.0361443	4.29E-05
2:58597688_A_G	rs143168971	2	58597688	G	A	0.362568	-1.71593	0.59254	4.29E-05
9:23995190_G_A	rs23995165	9	23995190	A	G	0.912153	-0.101945	0.0249365	4.31E-05
13:48088581_AC_A	rs60293404	13	48088581	A	AC	0.818015	-0.204571	0.0492169	4.32E-05
11:32357633_G_C	rs149338752	11	32357633	C	G	1.87387	0.654591	0.153066	4.34E-05
21:30139606_C_T	rs2727591	21	30139606	T	C	0.897525	-0.105709	0.0259803	4.35E-05
9:23995932_G_A	rs10966166	9	23995932	A	G	0.912288	-0.102054	0.0249762	4.35E-05
7:147587887_C_G	rs62481218	7	147587887	G	C	1.21227	0.202524	0.0487417	4.36E-05
11:72993694_T_G	rs7121711	11	72993694	G	T	1.14026	0.130794	0.0317388	4.36E-05
1:90241188_A_G	rs180998037	1	90241188	G	A	0.453839	-1.07297	0.312909	4.36E-05
9:23995926_T_C	rs12337973	9	23995926	C	T	0.912293	-0.102031	0.0249739	4.36E-05
9:29412486_A_G	rs1928925	9	29412486	G	A	0.862535	-0.149186	0.0361209	4.37E-05
1:91505010_CT_C	rs159919400	1	91505010	C	CT	0.910604	-0.100863	0.0246499	4.37E-05
11:16760062_G_A	rs1379202879	11	16760062	A	G	1.53988	0.45918	0.108302	4.37E-05
3:190954368_C_T	rs140173214	3	190954368	T	C	0.505943	-0.691616	0.18479	4.39E-05
16:88117767_T_C	rs181391006	16	88117767	C	T	1.62378	0.559725	0.131293	4.39E-05
18:60860856_CACAT_C	.	18	60860856	C	CACAT	0.581004	-1.10925	0.332379	4.40E-05
21:30138765_T_TG	rs35674430	21	30138765	TG	T	0.897585	-0.10563	0.0259787	4.40E-05
12:85762214_A_G	rs192130040	12	85762214	G	A	1.5668	0.66509	0.154087	4.40E-05
1:156804481_A_T	rs11264566	1	156804481	T	A	1.2082	0.190014	0.0458451	4.41E-05
17:3631689_G_C	rs12944124	17	3631689	C	G	0.90308	-0.103217	0.0253693	4.41E-05
5:74971480_T_C	rs76515575	5	74971480	C	T	1.37425	0.314062	0.0749813	4.41E-05
15:54727640_C_T	.	15	54727640	T	C	0.442547	-1.66972	0.597902	4.42E-05
9:23988749_A_G	rs10812009	9	23988749	G	A	0.91055	-0.0994422	0.0243576	4.43E-05
3:103516599_A_G	rs143543273	3	103516599	G	A	0.535701	-0.78359	0.216684	4.43E-05
12:82512324_T_A	rs192212307	12	82512324	A	T	2.6201	1.21173	0.283023	4.43E-05
1:156804517_G_GA	rs149950637	1	156804517	GA	G	1.20815	0.189905	0.0458408	4.45E-05
10:130345604_C_T	rs4750980	10	130345604	T	C	0.908736	-0.0969943	0.0237766	4.45E-05
15:58215727_C_A	rs4775006	15	58215727	A	C	1.1014	0.0987308	0.0241547	4.45E-05
6:87769817_G_A	rs188021688	6	87769817	A	G	0.563811	-0.870116	0.254118	4.48E-05
21:30031030_G_A	rs2831951	21	30031030	A	G	0.829567	-0.184666	0.0460384	4.49E-05
16:75533732_G_A	rs139268937	16	75533732	A	G	0.500382	-0.873839	0.244043	4.49E-05
10:93130575_G_A	rs185170198	10	93130575	A	G	1.51224	0.418473	0.0992467	4.50E-05
1:156804608_C_G	rs61331432	1	156804608	G	C	1.20795	0.189744	0.0458331	4.50E-05
21:30140178_A_G	rs30140178	21	30140178	G	A	0.897731	-0.105499	0.0259798	4.50E-05
2:28346339_G_A	rs62140444	2	28346339	A	G	0.90182	-0.106752	0.026287	4.50E-05
6:102895892_T_C	rs185082933	6	102895892	C	T	0.634859	-0.545239	0.143943	4.51E-05
17:42158310_T_G	rs377963	17	42158310	G	T	0.891618	-0.115457	0.0281445	4.52E-05
21:30138771_G_T	rs35734160	21	30138771	T	G	0.897776	-0.105462	0.0259819	4.53E-05
9:29411935_T_C	rs10757850	9	29411935	C	T	0.862783	-0.148809	0.0361076	4.54E-05
2:43175094_G_C	rs188096924	2	43175094	C	G	0.383626	-1.19683	0.359354	4.55E-05
9:29416253_G_A	rs2383811	9	29416253	A	G	0.862836	-0.148783	0.0361108	4.56E-05
7:150521026_A_G	rs7787577	7	150521026	G	A	0.83078	-0.181897	0.0453635	4.56E-05
7:48724701_C_A	rs184722965	7	48724701	A	C	1.31409	0.281708	0.06738	4.56E-05
7:48724703_A_G	rs577995094	7	48724703	G	A	1.31409	0.281709	0.0673806	4.56E-05
9:23991965_A_C	rs7869394	9	23991965	C	A	0.911672	-0.100654	0.0246972	4.56E-05
4:91717568_TTAA_T	rs58505086	4	91717568	T	TTAA	0.893501	-0.132509	0.0328523	4.57E-05
11:72997910_A_G	rs882904	11	72997910	G	A	1.13992	0.130715	0.0318066	4.57E-05
9:29408855_T_G	rs13292178	9	29408855	G	T	0.862848	-0.148758	0.0361126	4.57E-05
12:116679856_T_C	rs557270155	12	116679856	C	T	1.5409	0.435125	0.103198	4.58E-05
9:77303500_T_TA	rs542001307	9	77303500	TA	T	0.899115	-0.121236	0.0299842	4.59E-05
7:150522870_G_C	rs73165509	7	150522870	C	G	0.848356	-0.164113	0.0408411	4.59E-05
9:29414471_A_G	rs10738811	9	29414471	G	A	0.862859	-0.148692	0.0361039	4.59E-05
20:34022387_A_C	rs224331	20	34022387	C	A	0.900233	-0.102171	0.0251691	4.59E-05
9:29426093_C_T	rs1408512	9	29426093	T	C	0.863047	-0.148721	0.036119	4.61E-05
7:29840961_A_G	rs10245936	7	29840961	G	A	0.815915	-0.200535	0.0501809	4.61E-05
6:102915752_T_C	rs150456290	6	102915752	C	T	0.629994	-0.557674	0.147817	4.62E-05

8:80498998_A_C	rs1157435	8	80498998	C	A	0.907442	-0.0971788	0.0238516	4.62E-05
1:32986804_T_C	rs139754359	1	32986804	C	T	1.39867	0.416497	0.0983866	4.63E-05
13:23716119_A_C	rs568100283	13	23716119	C	A	1.95561	0.76029	0.177354	4.63E-05
10:607980_G_A	rs11253206	10	607980	A	G	0.907617	-0.0991823	0.0244154	4.65E-05
20:56466419_C_G	rs6099820	20	56466419	G	C	1.1187	0.120452	0.0298087	4.65E-05
10:126924549_C_T	rs12768328	10	126924549	T	C	1.17226	0.164162	0.0398192	4.65E-05
2:181640704_T_G	rs544525045	2	181640704	G	T	1.84753	0.842497	0.193758	4.66E-05
21:30136377_C_T	rs2832066	21	30136377	T	C	0.897909	-0.105286	0.025981	4.67E-05
11:102666784_C_T	rs17882870	11	102666784	T	C	2.08562	0.799572	0.18682	4.67E-05
20:9014682_T_C	rs77007042	20	9014682	C	T	0.537591	-0.712876	0.19293	4.67E-05
1:247700580_T_G	rs188731265	1	247700580	G	T	1.57533	0.484628	0.114492	4.67E-05
15:58073678_CT_C	rs533750296	15	58073678	C	CT	0.905163	-0.107916	0.0266287	4.67E-05
19:55238979_G_C	rs575080585	19	55238979	C	G	0.4685	-1.74718	0.647094	4.68E-05
2:115980806_T_C	rs149830790	2	115980806	C	T	2.42759	1.13865	0.266519	4.69E-05
10:130347000_C_G	rs11591969	10	130347000	G	C	0.90861	-0.0963474	0.0236921	4.70E-05
3:25041345_A_G	rs536660676	3	25041345	G	A	2.02392	0.734604	0.172501	4.70E-05
9:23988602_AAT_A	rs139121234	9	23988602	A	AAT	0.910962	-0.0992691	0.0244024	4.72E-05
21:30140575_C_T	rs714037	21	30140575	T	C	0.897997	-0.105191	0.0259768	4.73E-05
10:126918078_G_C	rs9423032	10	126918078	C	G	1.1718	0.164267	0.0398892	4.75E-05
20:33986549_C_T	rs1886692	20	33986549	T	C	1.1087	0.100847	0.0248804	4.75E-05
10:126179909_G_A	rs191413116	10	126179909	A	G	0.523386	-0.858211	0.240582	4.75E-05
2:115909385_C_G	rs138408072	2	115909385	G	C	2.46869	1.14258	0.267717	4.76E-05
16:30130477_T_TA	rs549358041	16	30130477	TA	T	0.907777	-0.142491	0.0354826	4.76E-05
1:80667645_T_C	rs72673609	1	80667645	C	T	0.906623	-0.0996876	0.0245832	4.77E-05
9:29398399_T_C	rs4487868	9	29398399	C	T	0.863654	-0.148822	0.0362166	4.78E-05
3:150698639_G_A	rs148349046	3	150698639	G	A	0.576658	-0.636636	0.171167	4.78E-05
10:126916123_G_A	rs9422860	10	126916123	A	G	1.172	0.16413	0.0398719	4.78E-05
11:1784228_C_T	rs141668130	11	1784228	T	C	2.41732	1.13292	0.265111	4.80E-05
8:13334997_A_T	rs548327209	8	13334997	T	A	2.34702	1.18799	0.273156	4.80E-05
9:29403896_G_GA	rs57692659	9	29403896	GA	G	0.863314	-0.148336	0.0361118	4.80E-05
5:142397687_G_A	rs10056505	5	142397687	A	G	0.747611	-0.303233	0.0770233	4.80E-05
1:156805219_A_G	rs59668363	1	156805219	G	A	1.20871	0.189899	0.0460477	4.82E-05
12:116690877_G_A	rs149142802	12	116690877	A	G	1.53512	0.425527	0.101329	4.82E-05
16:8998938_G_A	rs141192867	16	8998938	A	G	1.42876	0.464542	0.109778	4.82E-05
15:25082553_A_C	rs546709671	15	25082553	C	A	1.56255	0.665774	0.154537	4.84E-05
8:47833432_A_G	rs150976413	8	47833432	G	A	1.39211	0.574155	0.132252	4.85E-05
5:63015011_C_T	rs62380547	5	63015011	T	C	0.73803	-0.333115	0.085405	4.86E-05
10:126932808_T_C	rs9422749	10	126932808	C	T	1.17187	0.163852	0.0398455	4.86E-05
7:107316019_CTT_C	rs563755979	7	107316019	C	CTT	1.11668	0.124913	0.0305421	4.86E-05
1:156804796_G_A	rs59521652	1	156804796	A	G	1.20689	0.189094	0.0458925	4.89E-05
8:86540417_C_T	rs78608089	8	86540417	T	C	0.823708	-0.199786	0.0501452	4.89E-05
17:30081466_T_G	rs73988449	17	30081466	G	T	0.843876	-0.168507	0.0421364	4.90E-05
17:1534031_G_C	rs555189799	17	1534031	C	G	0.491367	-6.63463	17.7159	4.91E-05
12:116076248_G_C	rs11830633	12	116076248	C	G	0.903758	-0.100644	0.0248837	4.91E-05
15:25082554_G_A	rs561801008	15	25082554	A	G	1.56207	0.6651	0.154539	4.92E-05
5:180293718_G_GA	rs572220047	5	180293718	GA	G	0.895336	-0.14258	0.0355441	4.92E-05
21:30140309_T_C	rs7283314	21	30140309	C	T	0.898221	-0.104954	0.0259784	4.92E-05
17:3627840_G_A	rs220462	17	3627840	A	G	0.90343	-0.103165	0.0255193	4.92E-05
12:82543515_C_A	rs187593311	12	82543515	A	C	2.6161	1.20273	0.282551	4.93E-05
10:29879125_G_T	rs545646746	10	29879125	T	G	1.47573	0.593608	0.13847	4.94E-05
20:44665889_T_C	rs147042920	20	44665889	C	T	0.623608	-0.516274	0.136078	4.94E-05
1:80656114_A_G	rs4310401	1	80656114	G	A	0.906509	-0.099275	0.024533	4.94E-05
8:80485478_G_T	rs12678224	8	80485478	T	G	0.907941	-0.0962168	0.0237098	4.95E-05
4:71343589_A_C	rs41495545	4	71343589	C	A	2.13167	1.03456	0.242813	4.96E-05
16:17380127_C_T	rs35593510	16	17380127	T	C	0.851574	-0.158315	0.0395547	4.97E-05
16:17380640_T_C	rs12930089	16	17380640	C	T	0.851386	-0.157343	0.0393038	4.97E-05
1:118060006_CAGTT_C	rs554578962	1	118060006	C	CAGTT	2.29843	1.54427	0.377361	4.97E-05
2:100506339_C_T	.	2	100506339	T	C	1.64775	0.581546	0.136886	4.98E-05
2:155666489_C_T	rs1025998	2	155666489	T	C	1.10142	0.0978429	0.0241752	4.98E-05
2:172047845_A_G	rs13385068	2	172047845	G	A	1.0965	0.0978007	0.0241041	4.98E-05
17:30100112_A_G	rs74752715	17	30100112	G	A	0.844799	-0.167514	0.0419265	4.99E-05

