S1 Table.Harmonized summary data of genetic variants associated with BMR on lung cancer risk

SNP	Effect allele	Other allele	beta	eaf	SE	p value	F	rsq.exposure	rsq.outcome	steiger_dir	steiger_pval
rs10020631	A	G	-0.00846262	0.248448	0.00141405	2.90E-09	35.81612	6.71E-05	4.15E-06	TRUE	1.84E-03
rs1008158	G	A	0.00894516	0.341938	0.00129017	9.80E-13	48.07073	9.00E-05	1.35E-06	TRUE	2.51E-05
rs10124197	C	T	-0.00708775	0.30284	0.00132487	4.00E-08	28.61993	5.36E-05	8.50E-07	TRUE	1.20E-03
rs10145154	T	C	0.017176	0.221918	0.00147103	1.60E-32	136.33249	2.55E-04	5.38E-06	TRUE	4.70E-12
rs10170971	C	G	-0.00915477	0.502192	0.0012123	1.90E-14	57.02602	1.07E-04	3.14E-07	TRUE	7.50E-07
rs10172196	A	G	0.0116365	0.305371	0.00131393	2.10E-18	78.43297	1.47E-04	7.09E-09	TRUE	1.11E-09
rs10202845	G	A	-0.0165309	0.1133	0.00192345	9.30E-17	73.86345	1.38E-04	6.50E-08	TRUE	5.72E-09
rs10215645	C	T	0.00793283	0.454998	0.00122103	7.70E-11	42.2087	7.90E-05	4.89E-08	TRUE	1.14E-05
rs10243988	A	G	-0.00909182	0.194675	0.00153622	1.70E-08	35.02621	6.56E-05	2.33E-06	TRUE	8.79E-04
rs1024889	G	A	0.00789197	0.332336	0.00128678	1.30E-09	37.61496	7.04E-05	1.65E-07	TRUE	5.27E-05
rs10269774	A	G	0.0251585	0.326112	0.00129714	1.10E-83	376.17866	7.04E-04	4.88E-07	TRUE	4.22E-39
rs10282707	T	C	0.00753287	0.396654	0.00124209	1.10E-08	36.78012	6.89E-05	5.23E-08	TRUE	4.40E-05
rs1035607	C	A	0.00898685	0.241135	0.00141981	3.40E-10	40.06387	7.50E-05	1.33E-07	TRUE	2.66E-05
rs1037702	A	G	-0.00809593	0.621895	0.00125695	2.40E-10	41.48546	7.77E-05	4.44E-08	TRUE	1.33E-05
rs1038196	C	G	-0.0254899	0.513623	0.00121538	5.50E-100	439.85594	8.23E-04	2.16E-07	TRUE	2.46E-46
rs10404726	T	C	-0.00954329	0.465699	0.00122499	4.50E-16	60.69173	1.14E-04	1.02E-06	TRUE	1.03E-06
rs10432304	T	A	0.00840196	0.559854	0.00124786	2.50E-11	45.3344	8.49E-05	2.72E-11	TRUE	3.14E-06
rs1045475	G	A	0.0199626	0.821743	0.00159022	1.40E-35	157.58619	2.95E-04	9.75E-06	TRUE	1.12E-12
rs10457469	A	G	0.0142001	0.523782	0.00121469	3.60E-32	136.66279	2.56E-04	1.75E-06	TRUE	1.10E-13
rs1047891	A	C	0.0156861	0.315844	0.00129669	5.20E-34	146.33763	2.74E-04	6.74E-07	TRUE	1.66E-15
rs1048932	A	C	-0.00712123	0.41333	0.00123581	3.70E-08	33.20512	6.22E-05	5.79E-07	TRUE	3.10E-04
rs1060967	C	G	-0.00816335	0.373158	0.00126479	2.30E-11	41.65799	7.80E-05	1.06E-07	TRUE	1.66E-05
rs1064213	A	G	0.00997141	0.478124	0.00120794	3.90E-17	68.14293	1.28E-04	1.29E-05	TRUE	9.59E-05
rs10735418	C	T	-0.0102485	0.373765	0.00125364	2.50E-16	66.83028	1.25E-04	2.15E-06	TRUE	8.65E-07
rs10738451	C	T	0.00764488	0.281949	0.00135699	6.90E-09	31.7385	5.94E-05	8.60E-08	TRUE	1.74E-04
rs10767659	T	G	-0.0184382	0.669541	0.00129493	3.50E-47	202.74158	3.79E-04	1.60E-06	TRUE	2.88E-20
rs10769939	T	C	-0.00911419	0.345794	0.00128219	7.20E-13	50.52773	9.46E-05	4.53E-06	TRUE	1.20E-04
rs10773172	A	G	0.0173355	0.74251	0.00138851	1.60E-36	155.87379	2.92E-04	4.83E-11	TRUE	5.37E-18
rs10775348	G	A	0.0123402	0.703245	0.00133633	5.80E-20	85.27374	1.60E-04	5.44E-06	TRUE	1.83E-07
rs10775406	G	A	-0.0108954	0.760093	0.00142609	1.40E-14	58.37016	1.09E-04	8.98E-08	TRUE	2.73E-07
rs10777860	A	G	-0.00935217	0.528375	0.00121578	2.00E-15	59.17158	1.11E-04	5.28E-06	TRUE	3.11E-05
rs10791249	A	T	0.00721426	0.44226	0.0012268	1.10E-08	34.58075	6.47E-05	5.86E-06	TRUE	4.40E-03
rs10803955	G	A	-0.010769	0.507736	0.00120505	3.20E-19	79.86178	1.50E-04	6.60E-06	TRUE	1.01E-06
rs10811668	A	C	-0.00879786	0.206249	0.00151909	2.50E-09	33.54173	6.28E-05	1.19E-07	TRUE	1.24E-04
rs10835368	C	T	0.00910497	0.627011	0.00125782	1.70E-13	52.39845	9.81E-05	7.42E-07	TRUE	4.68E-06
rs10838703	G	C	-0.00918571	0.309831	0.00131883	3.30E-13	48.51167	9.08E-05	1.35E-06	TRUE	2.28E-05
rs10870597	G	A	-0.0104855	0.235026	0.0014396	7.50E-13	53.05093	9.93E-05	1.13E-06	TRUE	6.52E-06
rs10878984	T	C	0.01159	0.344763	0.00128235	2.70E-20	81.68684	1.53E-04	1.29E-06	TRUE	1.31E-08
rs10883560	G	C	0.016215	0.428769	0.00123213	2.50E-39	173.18857	3.24E-04	7.65E-07	TRUE	4.19E-18
rs10925635	C	A	0.0086161	0.642999	0.00125653	1.20E-11	47.01908	8.80E-05	4.91E-09	TRUE	2.42E-06
rs10938397	G	A	0.0145209	0.434444	0.00122781	2.40E-33	139.86953	2.62E-04	2.36E-08	TRUE	4.86E-16
rs10958478	T	A	0.0180477	0.224897	0.00145531	8.60E-36	153.79105	2.88E-04	3.97E-07	TRUE	1.32E-16
rs10973198	C	T	-0.00775301	0.536155	0.00121899	9.70E-11	40.45189	7.57E-05	4.57E-06	TRUE	8.86E-04
rs10979612	C	T	0.0179176	0.072952	0.00233872	1.90E-15	58.69507	1.10E-04	4.88E-08	TRUE	2.04E-07
rs10985962	T	C	-0.00720236	0.6335	0.00127069	7.00E-09	32.1269	6.02E-05	6.28E-07	TRUE	4.23E-04
rs10991925	C	T	-0.0118685	0.279483	0.00135934	1.40E-17	76.23139	1.43E-04	2.58E-06	TRUE	1.64E-07

rs10995319	C	T	-0.00865181	0.234581	0.0014387	1.60E-09	36.16361	6.77E-05	2.87E-06	TRUE	9.36E-04
rs11013045	G	T	-0.00933398	0.607997	0.00124887	1.50E-13	55.85958	1.05E-04	8.25E-07	TRUE	2.38E-06
rs11014285	A	G	0.0180079	0.165409	0.00165846	4.40E-27	117.90019	2.21E-04	4.12E-08	TRUE	1.18E-13
rs11031105	G	C	0.0119074	0.324195	0.00130289	6.40E-21	83.52505	1.56E-04	2.20E-06	TRUE	2.39E-08
rs11065015	T	C	-0.0279555	0.027254	0.00380318	6.80E-13	54.03052	1.01E-04	5.12E-06	TRUE	7.94E-05
rs11065979	T	C	-0.0120864	0.438732	0.00122531	4.70E-24	97.2972	1.82E-04	1.70E-06	TRUE	6.70E-10
rs111365325	T	C	-0.0133059	0.231248	0.00144045	2.20E-20	85.32779	1.60E-04	2.58E-06	TRUE	2.33E-08
rs11142705	A	G	-0.00798757	0.40801	0.00124142	1.20E-10	41.39904	7.75E-05	2.97E-07	TRUE	2.90E-05
rs11160601	T	C	0.0169837	0.092325	0.00212368	3.90E-16	63.95652	1.20E-04	5.28E-07	TRUE	2.31E-07
rs111640872	C	G	0.0163291	0.330809	0.00130129	2.10E-36	157.46161	2.95E-04	5.42E-08	TRUE	9.93E-18
rs11196169	G	A	-0.00985771	0.527176	0.00124435	8.50E-15	62.75746	1.18E-04	8.31E-07	TRUE	5.00E-07
rs11205354	A	C	-0.00732021	0.443969	0.00122175	1.70E-09	35.89887	6.72E-05	3.70E-09	TRUE	3.79E-05
rs112069922	T	C	-0.0250999	0.048348	0.00286334	3.20E-18	76.84162	1.44E-04	5.42E-08	TRUE	2.61E-09
rs1121	A	G	-0.011556	0.296174	0.00133127	3.20E-18	75.34963	1.41E-04	5.96E-09	TRUE	2.31E-09
rs1122848	G	A	-0.00724958	0.319718	0.00130665	1.70E-08	30.78262	5.76E-05	9.48E-07	TRUE	8.06E-04
rs11234234	A	T	-0.00725011	0.523704	0.00122809	4.00E-09	34.85196	6.53E-05	7.16E-08	TRUE	7.68E-05
rs11240565	T	C	0.0118154	0.398758	0.00123165	6.50E-22	92.02813	1.72E-04	3.61E-06	TRUE	1.32E-08
rs11243202	C	T	0.0166377	0.486021	0.00121835	5.10E-42	186.48367	3.49E-04	1.14E-06	TRUE	4.67E-19
rs11245450	A	G	-0.0100356	0.422219	0.00124379	2.80E-16	65.10149	1.22E-04	8.22E-07	TRUE	2.89E-07
rs11263862	T	C	0.00794387	0.693945	0.00131018	3.40E-09	36.76213	6.88E-05	7.78E-06	TRUE	5.30E-03
rs112685832	A	C	0.014217	0.115588	0.00191907	1.00E-13	54.88235	1.03E-04	2.74E-06	TRUE	1.75E-05
rs112957890	G	A	0.00949271	0.265077	0.00139628	8.00E-12	46.22041	8.65E-05	1.42E-06	TRUE	4.02E-05
rs113115311	A	C	-0.0128855	0.071686	0.00236902	2.90E-08	29.58445	5.54E-05	3.58E-07	TRUE	5.30E-04
rs114056237	A	G	-0.0591129	0.012414	0.00547287	3.80E-27	116.66287	2.18E-04	5.95E-06	TRUE	4.17E-10
rs114177791	T	G	0.0113071	0.214135	0.00148728	1.70E-14	57.79834	1.08E-04	5.77E-07	TRUE	1.05E-06
rs114949263	C	T	-0.011978	0.111872	0.00193388	2.90E-09	38.36259	7.18E-05	1.24E-06	TRUE	1.93E-04
rs11498196	T	C	0.00791775	0.414967	0.00124142	2.10E-10	40.67846	7.62E-05	2.03E-06	TRUE	2.18E-04
rs115179432	G	A	-0.0217638	0.071927	0.00234816	3.40E-20	85.90382	1.61E-04	1.82E-06	TRUE	9.55E-09
rs11524516	A	G	-0.010174	0.291774	0.00133659	2.20E-15	57.94093	1.08E-04	8.34E-07	TRUE	1.50E-06
rs11545482	T	C	-0.0299435	0.020534	0.00425009	3.10E-12	49.6372	9.29E-05	5.00E-06	TRUE	1.78E-04
rs115722277	A	G	-0.0153006	0.056109	0.00262061	3.20E-09	34.08871	6.38E-05	3.11E-06	TRUE	1.62E-03
rs11593107	T	C	-0.00792108	0.529128	0.00122311	5.60E-10	41.94074	7.85E-05	1.56E-05	TRUE	1.29E-02
rs11616283	C	T	0.0113507	0.139801	0.00178826	1.20E-10	40.28862	7.54E-05	6.59E-11	TRUE	1.12E-05
rs116337081	T	C	0.0136505	0.070042	0.00237141	3.70E-09	33.13464	6.20E-05	5.55E-06	TRUE	5.19E-03
rs11663903	A	G	0.00717217	0.429588	0.00123663	1.90E-09	33.63721	6.30E-05	1.66E-06	TRUE	7.63E-04
rs1167309	T	C	-0.0104944	0.68099	0.00129452	2.00E-16	65.71978	1.23E-04	6.43E-07	TRUE	1.89E-07
rs11681299	T	C	0.00981375	0.286776	0.00133272	1.50E-13	54.22387	1.02E-04	2.91E-06	TRUE	2.26E-05
rs11689727	A	C	-0.0109335	0.331638	0.00128408	2.50E-17	72.4991	1.36E-04	2.92E-07	TRUE	1.86E-08
rs11695297	A	T	0.0070526	0.617478	0.00124544	1.60E-08	32.06648	6.00E-05	2.10E-06	TRUE	1.43E-03
rs11709402	G	A	0.012277	0.278836	0.00135595	2.60E-20	81.97766	1.53E-04	5.49E-06	TRUE	3.66E-07
rs11712872	A	G	0.0170954	0.115521	0.00189283	2.50E-19	81.57061	1.53E-04	2.02E-07	TRUE	1.65E-09
rs11739036	A	G	-0.0117189	0.342672	0.00131851	3.50E-18	78.99602	1.48E-04	8.83E-08	TRUE	1.89E-09
rs117451679	G	A	0.0133981	0.106213	0.00200104	3.80E-11	44.83047	8.39E-05	2.75E-07	TRUE	1.23E-05
rs1176314	G	T	-0.00704636	0.550454	0.00123396	5.60E-09	32.60813	6.11E-05	1.47E-07	TRUE	1.69E-04
rs11771928	A	G	-0.00749689	0.29353	0.00133365	4.10E-09	31.59926	5.92E-05	3.08E-08	TRUE	1.42E-04
rs11773731	G	A	0.0116689	0.36569	0.00126071	2.30E-20	85.66981	1.60E-04	9.41E-07	TRUE	3.20E-09
rs11779459	T	C	0.00791602	0.354546	0.00127776	3.20E-10	38.38076	7.19E-05	6.36E-06	TRUE	2.57E-03
rs11784985	T	A	-0.00834207	0.411006	0.00124208	3.60E-12	45.10731	8.45E-05	1.01E-05	TRUE	2.31E-03
rs11785562	A	G	0.0117589	0.200748	0.00153407	6.30E-14	58.75454	1.10E-04	2.34E-07	TRUE	4.09E-07
rs11794152	G	A	0.0113276	0.415398	0.00123766	2.80E-20	83.76671	1.57E-04	8.09E-07	TRUE	3.98E-09

rs117999064	G	A	-0.0272276	0.016189	0.00492186	3.50E-08	30.60262	5.73E-05	9.94E-07	TRUE	8.76E-04
rs118173451	C	T	-0.0295441	0.016172	0.00492861	2.60E-09	35.93279	6.73E-05	3.95E-06	TRUE	1.65E-03
rs11833839	T	C	0.0169207	0.056723	0.00262949	1.10E-10	41.40874	7.75E-05	1.49E-05	TRUE	1.24E-02
rs11880992	A	G	0.0125685	0.408515	0.00124219	5.70E-25	102.37389	1.92E-04	2.63E-07	TRUE	1.49E-11
rs11925245	G	A	-0.0107224	0.182481	0.00158489	8.00E-12	45.77034	8.57E-05	2.67E-06	TRUE	1.14E-04
rs11982736	A	G	-0.0108169	0.153449	0.00168453	1.90E-10	41.23315	7.72E-05	2.20E-07	TRUE	2.55E-05
rs11997525	A	T	0.0135707	0.166612	0.00163554	1.90E-16	68.84629	1.29E-04	1.85E-08	TRUE	1.35E-08
rs12031493	G	A	-0.00829079	0.478019	0.00121424	2.90E-12	46.62095	8.73E-05	2.03E-06	TRUE	6.10E-05
rs12041740	A	G	-0.0155671	0.74026	0.00137651	1.70E-29	127.89544	2.39E-04	6.81E-08	TRUE	1.34E-14
rs12072845	A	G	-0.0142632	0.394316	0.00123671	3.50E-31	133.01376	2.49E-04	6.54E-07	TRUE	3.46E-14
rs12091972	C	A	0.0222206	0.089721	0.00211016	3.30E-26	110.88662	2.08E-04	6.69E-07	TRUE	5.96E-12
rs12099669	A	G	0.0160691	0.696205	0.00131981	9.80E-35	148.23769	2.78E-04	5.45E-06	TRUE	4.08E-13
rs12129705	T	A	-0.0118338	0.127334	0.0018428	1.80E-10	41.23732	7.72E-05	9.37E-06	TRUE	3.74E-03
rs12140153	T	G	-0.0215916	0.094561	0.00211615	2.40E-25	104.10585	1.95E-04	2.51E-08	TRUE	2.79E-12
rs12148418	A	G	-0.0104214	0.505424	0.001224	3.60E-18	72.4916	1.36E-04	2.00E-06	TRUE	2.20E-07
rs1218822	A	G	0.0105017	0.661594	0.00129183	1.10E-16	66.0856	1.24E-04	9.24E-06	TRUE	4.27E-05
rs12188627	G	A	-0.0107869	0.487761	0.00121316	4.20E-19	79.05976	1.48E-04	2.96E-06	TRUE	1.24E-07
rs12209223	A	C	0.014851	0.101457	0.00201717	2.40E-13	54.20318	1.01E-04	6.91E-06	TRUE	1.63E-04
rs12213070	A	G	-0.00930116	0.346569	0.00127337	3.80E-13	53.35356	9.99E-05	1.17E-05	TRUE	8.81E-04
rs12216497	T	C	-0.010025	0.561214	0.0012239	1.70E-16	67.0927	1.26E-04	7.73E-07	TRUE	1.70E-07
rs12227680	A	T	0.00764283	0.265618	0.00137898	3.90E-08	30.71785	5.75E-05	1.04E-05	TRUE	2.74E-02
rs12254441	T	C	-0.00754648	0.373403	0.00130304	3.40E-09	33.54067	6.28E-05	6.21E-09	TRUE	7.12E-05
rs12314162	T	C	0.0210965	0.160642	0.00165371	4.70E-38	162.74231	3.05E-04	6.61E-06	TRUE	4.88E-14
rs12375196	A	C	0.0111606	0.424129	0.0012368	2.10E-19	81.42814	1.52E-04	4.29E-06	TRUE	1.97E-07
rs12427047	T	C	-0.0110184	0.243071	0.00141471	3.90E-14	60.65975	1.14E-04	1.04E-06	TRUE	1.07E-06
rs12434837	T	C	-0.0116772	0.126736	0.00197247	1.10E-08	35.04733	6.56E-05	8.01E-07	TRUE	2.64E-04
rs12443906	T	C	-0.0138552	0.723476	0.00136413	1.50E-24	103.16027	1.93E-04	1.49E-06	TRUE	1.39E-10
rs12467963	T	A	-0.00822069	0.404308	0.00124026	5.10E-12	43.93286	8.23E-05	1.93E-06	TRUE	1.01E-04
rs1250569	C	T	0.00685948	0.44214	0.00123178	4.00E-09	31.01091	5.81E-05	5.62E-06	TRUE	7.88E-03
rs12520308	C	T	-0.00907289	0.67555	0.0012978	9.80E-13	48.87358	9.15E-05	6.85E-06	TRUE	4.35E-04
rs12520894	C	T	0.00667023	0.452277	0.00121938	9.10E-09	29.92277	5.60E-05	1.78E-06	TRUE	1.84E-03
rs12533548	G	A	0.00729168	0.651353	0.00127963	8.10E-09	32.47018	6.08E-05	4.12E-06	TRUE	3.50E-03
rs12543207	T	C	-0.00982666	0.234916	0.00143741	2.10E-12	46.73572	8.75E-05	2.19E-05	TRUE	1.79E-02
rs12588830	A	G	0.0100055	0.184167	0.00157846	1.40E-10	40.1799	7.52E-05	4.33E-06	TRUE	8.43E-04
rs1260326	C	T	0.018366	0.604451	0.00123351	1.30E-49	221.688	4.15E-04	5.72E-07	TRUE	3.05E-23
rs12657771	A	G	-0.0117786	0.438524	0.00122852	6.80E-22	91.92238	1.72E-04	7.62E-06	TRUE	1.57E-07
rs12679359	T	G	-0.0122436	0.136563	0.00177134	2.70E-12	47.77633	8.95E-05	2.64E-06	TRUE	7.33E-05
rs12713004	G	A	0.016275	0.725345	0.00135354	6.10E-34	144.57666	2.71E-04	8.23E-07	TRUE	3.54E-15
rs12729817	G	A	-0.00869965	0.473854	0.00120729	1.80E-12	51.92527	9.72E-05	1.29E-05	TRUE	1.51E-03
rs12731187	T	C	-0.0080601	0.358091	0.00127228	1.40E-10	40.13413	7.51E-05	3.06E-08	TRUE	1.71E-05
rs12738523	T	A	-0.00791823	0.312345	0.00130842	4.20E-10	36.62353	6.86E-05	1.43E-07	TRUE	6.30E-05
rs12784071	T	C	0.00898176	0.230959	0.00144751	1.40E-09	38.50154	7.21E-05	3.51E-07	TRUE	6.37E-05
rs12881375	A	C	-0.00709574	0.713406	0.00134994	3.10E-08	27.62898	5.17E-05	1.17E-05	TRUE	5.58E-02
rs12888955	A	G	-0.0093836	0.65739	0.00128345	2.50E-14	53.45391	1.00E-04	2.05E-06	TRUE	1.43E-05
rs12900800	A	G	-0.00900092	0.754172	0.0014203	8.10E-11	40.16169	7.52E-05	3.55E-06	TRUE	5.89E-04
rs12907384	C	T	-0.0106416	0.532302	0.00122401	4.50E-19	75.58616	1.42E-04	3.90E-06	TRUE	5.09E-07
rs12908182	T	C	-0.0102749	0.464329	0.0012226	3.40E-16	70.62928	1.32E-04	1.59E-07	TRUE	1.91E-08
rs12959994	A	G	-0.0115206	0.224563	0.00146637	1.80E-15	61.72505	1.16E-04	4.28E-06	TRUE	1.11E-05
rs1296328	C	A	-0.0097756	0.559156	0.00122947	8.70E-16	63.21925	1.18E-04	4.99E-06	TRUE	1.20E-05
rs12981554	G	A	-0.00891311	0.542075	0.00123404	8.20E-13	52.16731	9.77E-05	6.72E-06	TRUE	2.23E-04

rs13007086	T	A	0.0362174	0.82764	0.0015995	7.80E-116	512.70131	9.59E-04	3.83E-06	TRUE	7.17E-49
rs13047416	G	C	-0.00882468	0.376812	0.00126905	6.00E-13	48.35472	9.05E-05	2.74E-08	TRUE	2.21E-06
rs13077747	C	T	0.0131083	0.516014	0.0012139	4.60E-27	116.60718	2.18E-04	5.14E-06	TRUE	2.41E-10
rs13099930	G	A	-0.00864195	0.662271	0.00128509	1.70E-11	45.22252	8.47E-05	7.51E-07	TRUE	2.44E-05
rs13125807	T	C	0.0113994	0.142162	0.00174859	1.50E-11	42.49975	7.96E-05	1.06E-05	TRUE	4.14E-03
rs13173394	C	T	0.00736701	0.631429	0.00125897	5.90E-09	34.24129	6.41E-05	2.45E-06	TRUE	1.11E-03
rs13176855	T	C	-0.00645232	0.423813	0.00123293	4.60E-08	27.38756	5.13E-05	3.52E-07	TRUE	8.83E-04
rs13185520	A	G	-0.00753269	0.574078	0.00122435	2.90E-10	37.85187	7.09E-05	7.94E-08	TRUE	3.80E-05
rs13244614	A	C	0.0116781	0.282613	0.00134935	1.20E-18	74.90202	1.40E-04	5.27E-07	TRUE	1.82E-08
rs13264909	T	A	-0.0093819	0.428992	0.00123096	3.20E-14	58.08876	1.09E-04	1.80E-09	TRUE	1.45E-07
rs13271368	T	C	-0.0149071	0.237695	0.00144944	3.10E-25	105.77529	1.98E-04	4.52E-06	TRUE	1.47E-09
rs13299559	T	C	-0.00949077	0.450298	0.00122514	4.50E-14	60.01086	1.12E-04	2.38E-06	TRUE	4.52E-06
rs13392666	A	T	0.00805374	0.221924	0.00145575	1.80E-08	30.60695	5.73E-05	3.05E-07	TRUE	3.81E-04
rs13430869	T	G	0.0126932	0.742777	0.00138601	7.70E-21	83.87024	1.57E-04	1.14E-06	TRUE	6.46E-09
rs1360371	C	T	0.0156412	0.774534	0.00146227	2.90E-27	114.41511	2.14E-04	4.02E-06	TRUE	1.61E-10
rs1374370	A	G	0.00892898	0.305565	0.00131109	1.60E-11	46.38067	8.68E-05	1.29E-06	TRUE	3.42E-05
rs139031896	C	A	-0.021306	0.028271	0.003723	7.10E-09	32.75037	6.13E-05	3.33E-06	TRUE	2.36E-03
rs1412234	C	T	0.0127902	0.327807	0.00130134	6.50E-24	96.59875	1.81E-04	2.80E-05	TRUE	3.66E-05
rs141729694	T	C	0.0223909	0.074188	0.00232894	2.90E-22	92.43254	1.73E-04	5.67E-06	TRUE	4.89E-08
rs141866277	T	A	-0.0280215	0.02414	0.00400396	4.60E-13	48.97807	9.17E-05	3.42E-06	TRUE	9.13E-05
rs1421035	T	C	0.00768281	0.347714	0.00128788	1.60E-09	35.5867	6.66E-05	1.08E-05	TRUE	1.37E-02
rs1424371	T	C	0.00682779	0.360811	0.00127261	2.90E-08	28.78512	5.39E-05	1.83E-07	TRUE	4.65E-04
rs1431663	C	A	-0.0104291	0.57261	0.00123388	2.70E-17	71.44078	1.34E-04	2.10E-06	TRUE	3.02E-07
rs143384	G	A	0.0336053	0.403863	0.00124467	5.00E-163	728.963	1.36E-03	1.06E-05	TRUE	3.41E-65
rs1439287	A	G	0.00907821	0.483377	0.00121548	6.60E-14	55.78317	1.04E-04	3.84E-07	TRUE	1.17E-06
rs144260843	A	G	-0.0231757	0.028162	0.00401798	5.90E-09	33.26967	6.23E-05	1.49E-06	TRUE	7.28E-04
rs144260932	T	C	-0.033163	0.014406	0.00530671	3.10E-10	39.05308	7.31E-05	8.56E-07	TRUE	1.13E-04
rs1443536	G	A	0.0122796	0.304998	0.00132168	1.50E-20	86.32055	1.62E-04	5.95E-07	TRUE	1.49E-09
rs1452822	A	T	0.0164954	0.28499	0.00134809	2.80E-35	149.72224	2.80E-04	4.86E-06	TRUE	1.84E-13
rs147110934	T	G	-0.028459	0.024297	0.00396106	1.70E-13	51.61962	9.66E-05	1.27E-06	TRUE	1.04E-05
rs1472852	A	C	-0.0286675	0.158209	0.00166483	1.50E-68	296.50924	5.55E-04	1.20E-06	TRUE	5.66E-30
rs1478575	A	T	0.0163876	0.684295	0.00130032	5.70E-36	158.82856	2.97E-04	2.64E-07	TRUE	2.46E-17
rs148636479	T	A	-0.0220269	0.028573	0.00388552	7.50E-09	32.13711	6.02E-05	4.43E-07	TRUE	3.30E-04
rs150059308	A	G	0.0327443	0.011745	0.00563179	8.10E-09	33.80468	6.33E-05	2.32E-06	TRUE	1.13E-03
rs1517248	G	A	-0.00757752	0.65707	0.00127431	3.60E-09	35.3592	6.62E-05	4.16E-07	TRUE	1.49E-04
rs1521624	A	C	-0.00947681	0.47043	0.00122927	4.00E-15	59.43307	1.11E-04	7.89E-07	TRUE	1.00E-06
rs153758	C	G	-0.00848413	0.430804	0.00122575	5.10E-12	47.90813	8.97E-05	1.03E-06	TRUE	1.86E-05
rs1539110	T	C	0.00817826	0.242721	0.00141399	1.90E-09	33.45242	6.26E-05	1.00E-06	TRUE	4.64E-04
rs1553065	A	G	-0.00767302	0.430482	0.00122929	2.40E-10	38.9603	7.29E-05	1.33E-07	TRUE	3.48E-05
rs1573891	C	G	-0.0201561	0.158062	0.00168407	2.80E-33	143.24884	2.68E-04	1.28E-06	TRUE	1.19E-14
rs1582931	A	G	-0.0185679	0.47317	0.00122457	1.20E-52	229.9094	4.30E-04	1.24E-06	TRUE	2.82E-23
rs1599473	T	G	-0.011516	0.243656	0.0014211	4.90E-16	65.66779	1.23E-04	1.09E-06	TRUE	3.67E-07
rs1618407	C	T	0.0118004	0.811202	0.00156053	2.90E-15	57.18045	1.07E-04	4.82E-06	TRUE	3.68E-05
rs1657222	A	G	0.00850909	0.395837	0.00124828	1.30E-11	46.46657	8.70E-05	2.37E-07	TRUE	7.61E-06
rs16942324	A	C	-0.0382892	0.026948	0.00376801	1.60E-24	103.25875	1.93E-04	4.88E-08	TRUE	4.28E-12
rs16996637	T	C	0.0131737	0.129998	0.00183517	7.70E-13	51.53014	9.65E-05	2.09E-06	TRUE	2.23E-05
rs17024393	C	T	0.0330903	0.025938	0.00380835	2.40E-18	75.49637	1.41E-04	9.16E-09	TRUE	2.36E-09
rs17042011	T	C	0.00918505	0.207149	0.00151809	9.00E-10	36.60719	6.85E-05	1.64E-06	TRUE	3.94E-04
rs17049820	C	T	-0.0119777	0.113025	0.00191931	8.70E-10	38.94529	7.29E-05	5.04E-06	TRUE	1.44E-03
rs17115481	A	G	-0.010492	0.269466	0.00136961	3.20E-14	58.68419	1.10E-04	4.35E-07	TRUE	6.60E-07

rs17197114	C	T	0.0128264	0.177155	0.00161007	1.50E-15	63.46268	1.19E-04	2.58E-06	TRUE	2.53E-06
rs1721382	A	C	0.00778776	0.650677	0.00127444	5.30E-11	37.34089	6.99E-05	7.47E-08	TRUE	4.22E-05
rs1722322	G	T	-0.00800814	0.271071	0.00137673	2.30E-09	33.83484	6.34E-05	3.89E-06	TRUE	2.44E-03
rs17246129	A	G	0.0104244	0.304383	0.00131524	2.10E-15	62.81892	1.18E-04	1.59E-06	TRUE	1.22E-06
rs17363646	G	A	0.0130022	0.135617	0.00176022	4.00E-14	54.56299	1.02E-04	2.08E-07	TRUE	1.03E-06
rs17491275	G	T	0.015078	0.160197	0.00166102	8.90E-20	82.40169	1.54E-04	3.26E-08	TRUE	5.76E-10
rs1765133	T	C	-0.00984288	0.226184	0.00145352	5.10E-11	45.85648	8.59E-05	3.01E-06	TRUE	1.38E-04
rs17668356	G	C	-0.0139082	0.146095	0.00171397	5.10E-16	65.84667	1.23E-04	6.71E-10	TRUE	2.04E-08
rs17708997	G	A	0.0144055	0.111957	0.00193082	2.80E-14	55.66362	1.04E-04	2.87E-07	TRUE	9.71E-07
rs17812715	T	G	0.00770087	0.408697	0.00123754	6.10E-10	38.72215	7.25E-05	2.25E-06	TRUE	3.84E-04
rs17881236	A	G	-0.0202624	0.03001	0.00363006	4.00E-08	31.15678	5.83E-05	3.17E-10	TRUE	1.14E-04
rs1795323	G	T	0.00636662	0.498744	0.00121506	4.00E-08	27.45496	5.14E-05	4.00E-07	TRUE	9.34E-04
rs1813212	G	A	-0.0084891	0.445623	0.0012263	2.60E-12	47.92126	8.97E-05	2.70E-06	TRUE	7.40E-05
rs1846221	C	G	-0.00946551	0.175095	0.00162378	5.60E-09	33.98068	6.36E-05	1.64E-09	TRUE	5.88E-05
rs1857423	C	T	0.00826194	0.26849	0.00137571	5.00E-09	36.06689	6.75E-05	9.89E-07	TRUE	2.55E-04
rs1883798	G	A	-0.00859234	0.73196	0.00138127	1.70E-10	38.69583	7.25E-05	7.09E-06	TRUE	3.06E-03
rs1910466	C	T	-0.00833396	0.498259	0.00121925	2.10E-11	46.72138	8.75E-05	8.02E-08	TRUE	4.39E-06
rs1919442	G	A	-0.00867775	0.765241	0.00142386	1.20E-09	37.14309	6.95E-05	1.63E-07	TRUE	5.87E-05
rs1927635	C	T	0.00848721	0.354099	0.00128755	2.60E-11	43.45103	8.14E-05	9.45E-06	TRUE	2.61E-03
rs1941697	A	G	0.0077805	0.449367	0.00122632	1.20E-10	40.2537	7.54E-05	1.65E-06	TRUE	1.80E-04
rs1960268	T	G	0.00782713	0.748103	0.00139994	5.10E-09	31.25969	5.85E-05	1.30E-05	TRUE	4.06E-02
rs1971955	G	A	-0.0128869	0.854246	0.00172333	1.70E-14	55.91887	1.05E-04	5.99E-06	TRUE	8.09E-05
rs1984119	C	T	-0.0134292	0.255944	0.00141205	2.60E-21	90.4479	1.69E-04	5.47E-06	TRUE	6.51E-08
rs2005172	C	A	0.0198374	0.639705	0.00128443	4.10E-55	238.53219	4.46E-04	3.71E-06	TRUE	2.38E-22
rs2025129	G	A	-0.00854624	0.749303	0.00143047	6.10E-09	35.69366	6.68E-05	7.20E-07	TRUE	2.08E-04
rs2045767	G	T	-0.00747892	0.564594	0.00123685	4.90E-09	36.56302	6.85E-05	7.87E-07	TRUE	1.84E-04
rs204928	G	A	-0.00834644	0.512498	0.00121828	5.20E-12	46.93607	8.79E-05	7.16E-07	TRUE	1.58E-05
rs2065999	C	T	-0.00710784	0.38177	0.00125604	5.40E-09	32.02335	6.00E-05	1.29E-06	TRUE	8.20E-04
rs2101975	G	A	-0.0153983	0.432104	0.00123001	1.20E-35	156.7208	2.93E-04	4.05E-06	TRUE	1.96E-14
rs2102278	G	A	0.0113309	0.322549	0.00130218	9.80E-20	75.71556	1.42E-04	3.11E-07	TRUE	9.16E-09
rs2104449	T	G	0.0121468	0.283138	0.00134262	1.40E-18	81.84948	1.53E-04	2.34E-06	TRUE	3.97E-08
rs2119753	G	A	-0.00763019	0.390557	0.00124201	9.80E-10	37.74148	7.07E-05	2.34E-06	TRUE	4.97E-04
rs2122823	T	C	0.0104601	0.210609	0.00150714	5.30E-12	48.16847	9.02E-05	5.55E-06	TRUE	3.00E-04
rs212538	C	A	0.00785849	0.518156	0.001219	6.30E-11	41.55939	7.78E-05	2.14E-07	TRUE	2.32E-05
rs214247	C	T	-0.00869719	0.393847	0.00124966	1.20E-12	48.43648	9.07E-05	1.99E-07	TRUE	4.31E-06
rs2163832	C	T	-0.0126765	0.660229	0.00129077	1.60E-22	96.44936	1.81E-04	1.87E-05	TRUE	3.90E-06
rs2192158	G	A	-0.00728792	0.553645	0.00122176	4.70E-10	35.58228	6.66E-05	6.69E-07	TRUE	2.01E-04
rs2197563	A	G	0.010305	0.595015	0.00123172	2.40E-16	69.99554	1.31E-04	3.05E-06	TRUE	9.01E-07
rs2197780	C	T	0.0117034	0.718375	0.00134559	2.90E-18	75.64792	1.42E-04	2.87E-06	TRUE	2.38E-07
rs2214964	T	C	-0.00714483	0.552488	0.00122226	2.00E-08	34.17079	6.40E-05	1.68E-08	TRUE	6.78E-05
rs2230590	C	T	0.0142694	0.515882	0.00121314	4.90E-33	138.3528	2.59E-04	2.14E-06	TRUE	1.29E-13
rs223942	G	A	-0.00873474	0.615049	0.00124814	1.30E-12	48.97469	9.17E-05	1.06E-05	TRUE	1.39E-03
rs224045	C	T	-0.00805291	0.581856	0.00123789	9.20E-11	42.31944	7.92E-05	5.88E-06	TRUE	1.04E-03
rs2252720	T	C	-0.0131452	0.674039	0.00131249	2.70E-24	100.3092	1.88E-04	9.61E-06	TRUE	7.92E-08
rs2265309	C	T	-0.0125155	0.516873	0.0012184	1.00E-25	105.51519	1.98E-04	1.53E-06	TRUE	8.65E-11
rs2270894	G	C	-0.018385	0.203356	0.00156247	1.80E-32	138.45297	2.59E-04	9.60E-06	TRUE	4.62E-11
rs2280141	G	T	0.0118855	0.471418	0.00121871	4.60E-22	95.11139	1.78E-04	2.05E-06	TRUE	1.64E-09
rs2281175	C	T	0.0113782	0.405512	0.00129339	7.40E-19	77.3903	1.45E-04	1.89E-07	TRUE	4.25E-09
rs2284932	A	G	0.00709367	0.410077	0.00123694	8.00E-09	32.88842	6.16E-05	8.69E-07	TRUE	4.64E-04
rs2286028	C	G	0.0165585	0.19956	0.00151626	2.70E-29	119.2595	2.23E-04	4.26E-06	TRUE	7.03E-11

rs2287214	G	A	0.00667716	0.397778	0.00123923	3.80E-08	29.03208	5.44E-05	4.95E-06	TRUE	9.16E-03
rs2290616	T	C	0.00818542	0.271903	0.00136448	4.20E-09	35.98703	6.74E-05	1.80E-07	TRUE	8.12E-05
rs2296316	C	T	-0.0101414	0.46431	0.00123231	2.20E-16	67.72582	1.27E-04	2.13E-07	TRUE	4.57E-08
rs2307111	C	T	-0.0180158	0.394629	0.00124155	1.30E-47	210.56057	3.94E-04	2.26E-06	TRUE	1.54E-20
rs2320731	T	C	0.00826623	0.320482	0.00130254	9.90E-11	40.2746	7.54E-05	1.28E-08	TRUE	1.43E-05
rs2358947	G	C	-0.00969299	0.861528	0.00175924	4.30E-08	30.35734	5.68E-05	8.38E-08	TRUE	2.42E-04
rs2365363	A	T	0.00690397	0.503873	0.00121578	4.90E-09	32.24677	6.04E-05	2.34E-06	TRUE	1.58E-03
rs236587	C	T	-0.00843594	0.737606	0.001399	9.30E-10	36.36051	6.81E-05	2.76E-07	TRUE	9.19E-05
rs2386887	C	A	0.00750268	0.314216	0.00131034	1.50E-08	32.7841	6.14E-05	5.80E-09	TRUE	8.57E-05
rs238819	C	T	0.00954743	0.178141	0.00159163	2.60E-09	35.98215	6.74E-05	3.56E-07	TRUE	1.16E-04
rs2390669	C	A	0.0113105	0.128925	0.00181249	4.70E-10	38.94133	7.29E-05	1.81E-08	TRUE	2.09E-05
rs2442497	T	C	-0.0109625	0.864803	0.00178319	1.40E-09	37.79396	7.08E-05	1.24E-06	TRUE	2.19E-04
rs244711	T	C	0.0168031	0.685948	0.0014016	8.10E-34	143.72391	2.69E-04	1.48E-06	TRUE	1.48E-14
rs251388	T	C	-0.0095493	0.514324	0.00121755	6.80E-15	61.51313	1.15E-04	2.45E-08	TRUE	8.60E-08
rs2533879	A	G	-0.0209904	0.300213	0.00132595	1.40E-55	250.60256	4.69E-04	5.43E-06	TRUE	1.30E-22
rs2568958	A	G	0.0118451	0.603172	0.0012331	1.20E-22	92.27398	1.73E-04	1.94E-07	TRUE	1.26E-10
rs2569993	C	T	0.0079541	0.320189	0.00130242	7.30E-10	37.29738	6.98E-05	4.49E-07	TRUE	9.96E-05
rs2578246	A	G	-0.00944494	0.808542	0.00154768	5.60E-10	37.24212	6.97E-05	6.72E-06	TRUE	3.55E-03
rs2592208	A	C	-0.00657976	0.513015	0.0012188	3.50E-08	29.1443	5.46E-05	5.80E-07	TRUE	7.96E-04
rs2602713	C	A	0.0108816	0.439701	0.00124143	2.90E-18	76.83152	1.44E-04	9.44E-07	TRUE	2.40E-08
rs2611732	G	A	0.00786492	0.601946	0.00123755	2.30E-10	40.38885	7.56E-05	2.31E-06	TRUE	2.80E-04
rs2615074	A	G	0.00966192	0.376246	0.00125162	2.80E-15	59.59094	1.12E-04	3.71E-08	TRUE	1.52E-07
rs2627692	T	C	-0.00987569	0.506292	0.00121806	6.10E-17	65.73489	1.23E-04	2.57E-07	TRUE	8.32E-08
rs2650965	G	A	-0.00896988	0.329254	0.00130495	1.60E-11	47.24805	8.85E-05	3.80E-07	TRUE	8.60E-06
rs2658797	T	C	-0.00662315	0.482046	0.00121737	3.50E-08	29.59936	5.54E-05	3.05E-08	TRUE	2.33E-04
rs2678204	G	T	0.0133508	0.340597	0.00127583	2.90E-26	109.50333	2.05E-04	9.39E-06	TRUE	1.21E-08
rs2716212	G	A	0.00707559	0.384888	0.00125686	1.80E-08	31.69202	5.93E-05	4.06E-06	TRUE	3.98E-03
rs2736429	G	A	0.0117257	0.377075	0.00171608	6.00E-12	46.68753	8.74E-05	1.36E-07	TRUE	5.45E-06
rs2740761	T	C	0.0091067	0.208272	0.00151491	5.90E-09	36.13656	6.77E-05	8.51E-08	TRUE	5.90E-05
rs2744956	C	T	0.039074	0.139015	0.00175051	4.80E-112	498.24727	9.32E-04	7.40E-07	TRUE	4.99E-51
rs2749807	T	A	0.0076709	0.33635	0.00129486	2.00E-10	35.09501	6.57E-05	3.49E-06	TRUE	1.59E-03
rs2756895	T	C	0.00759888	0.518244	0.00121955	1.20E-09	38.82383	7.27E-05	4.58E-06	TRUE	1.23E-03
rs2812208	C	G	0.0633463	0.020976	0.00426521	9.80E-51	220.57691	4.13E-04	3.71E-06	TRUE	1.24E-20
rs28445331	C	A	0.0074215	0.630228	0.00125967	2.00E-09	34.71108	6.50E-05	7.01E-07	TRUE	2.55E-04
rs284662	C	T	-0.00982788	0.619683	0.00125596	1.60E-14	61.23031	1.15E-04	4.76E-07	TRUE	3.95E-07
rs28575622	T	G	0.0166054	0.062366	0.00253745	1.40E-11	42.82546	8.02E-05	2.73E-06	TRUE	2.18E-04
rs28605759	A	G	-0.00831268	0.455079	0.00121196	7.60E-12	47.04397	8.81E-05	7.31E-07	TRUE	1.57E-05
rs2866719	T	C	0.0102313	0.368938	0.0012643	1.70E-15	65.4877	1.23E-04	1.22E-07	TRUE	5.67E-08
rs28701981	C	T	0.0167902	0.349528	0.0012816	2.60E-40	171.63471	3.21E-04	2.64E-06	TRUE	1.54E-16
rs2885697	T	G	-0.017783	0.664998	0.00127715	3.80E-43	193.87625	3.63E-04	1.06E-06	TRUE	7.27E-20
rs2900208	A	C	0.0132443	0.353983	0.00127132	4.60E-26	108.52921	2.03E-04	9.89E-07	TRUE	1.90E-11
rs2950446	C	T	-0.0140253	0.817439	0.00157888	5.40E-19	78.90862	1.48E-04	9.89E-07	TRUE	1.60E-08
rs2952615	C	G	-0.0125171	0.617612	0.00124841	2.90E-23	100.52899	1.88E-04	5.13E-07	TRUE	4.60E-11
rs2970592	A	G	0.0081496	0.588606	0.00122398	2.70E-11	44.33251	8.30E-05	6.63E-07	TRUE	2.66E-05
rs29946	C	T	0.00774908	0.556758	0.00124964	2.10E-09	38.45288	7.20E-05	1.89E-07	TRUE	4.58E-05
rs3013301	A	G	-0.00685818	0.350874	0.00127614	4.70E-08	28.88148	5.41E-05	1.05E-07	TRUE	3.72E-04
rs310796	T	G	0.0102417	0.681134	0.00130656	9.10E-16	61.44461	1.15E-04	1.99E-06	TRUE	2.40E-06
rs3110496	G	A	0.00765298	0.686331	0.00131209	1.00E-08	34.01984	6.37E-05	8.73E-06	TRUE	1.09E-02
rs3116201	A	G	-0.0175197	0.097701	0.00203546	6.40E-18	74.08436	1.39E-04	2.69E-09	TRUE	2.91E-09
rs3116603	C	G	-0.027381	0.215347	0.00148378	1.30E-77	340.53202	6.37E-04	3.28E-06	TRUE	1.79E-32

rs31210	A	G	-0.0119665	0.252817	0.0013976	3.20E-17	73.31062	1.37E-04	1.38E-06	TRUE	9.42E-08
rs3212260	T	A	0.0131273	0.258223	0.00139644	1.80E-21	88.36995	1.65E-04	1.99E-05	TRUE	2.12E-05
rs32736	G	T	0.00684865	0.348112	0.0012795	4.00E-08	28.65021	5.36E-05	4.12E-06	TRUE	7.35E-03
rs33973388	T	G	0.0113211	0.435354	0.00123154	2.60E-20	84.50426	1.58E-04	2.29E-07	TRUE	9.03E-10
rs34517439	A	C	0.0381746	0.122091	0.00186844	2.90E-95	417.43518	7.81E-04	1.80E-05	TRUE	3.35E-33
rs34693680	T	C	0.0128338	0.132284	0.00178742	1.40E-13	51.55321	9.65E-05	8.27E-08	TRUE	1.38E-06
rs34776209	T	C	-0.0155779	0.247537	0.00141034	3.00E-28	122.00245	2.28E-04	4.43E-06	TRUE	4.51E-11
rs34825238	T	G	0.00810291	0.254754	0.00141182	1.10E-08	32.93986	6.17E-05	1.19E-06	TRUE	6.20E-04
rs34848742	G	T	-0.014909	0.789035	0.00149037	3.00E-24	100.07076	1.87E-04	3.64E-07	TRUE	3.48E-11
rs34879158	C	A	-0.0198295	0.26299	0.00139069	1.40E-47	203.31117	3.81E-04	4.61E-06	TRUE	1.49E-18
rs35050648	T	G	0.00907837	0.236193	0.00143679	1.90E-10	39.9234	7.48E-05	2.57E-06	TRUE	3.62E-04
rs35196838	A	C	0.0102063	0.143277	0.0017392	1.50E-08	34.43785	6.45E-05	8.29E-07	TRUE	3.13E-04
rs35446432	T	C	0.00711527	0.327225	0.00129235	1.90E-08	30.31244	5.68E-05	1.95E-07	TRUE	3.30E-04
rs35467921	T	C	0.0220244	0.400853	0.00124202	1.90E-72	314.44838	5.88E-04	1.38E-06	TRUE	1.46E-31
rs35492502	A	G	0.00967173	0.296496	0.00132361	2.50E-13	53.39328	1.00E-04	8.76E-07	TRUE	4.47E-06
rs35506085	A	G	-0.0186299	0.184688	0.00158145	9.00E-31	138.77412	2.60E-04	2.14E-06	TRUE	1.18E-13
rs35626515	A	C	0.0129766	0.405707	0.00124043	1.60E-26	109.4399	2.05E-04	1.56E-05	TRUE	1.56E-07
rs35665085	A	G	-0.0169576	0.056021	0.00266141	1.20E-10	40.5979	7.60E-05	3.51E-06	TRUE	5.29E-04
rs35874463	G	A	0.0200603	0.057725	0.00261464	1.40E-14	58.86395	1.10E-04	1.44E-07	TRUE	3.01E-07
rs359938	G	A	-0.0092321	0.227113	0.00143701	1.70E-10	41.27431	7.73E-05	9.94E-06	TRUE	4.31E-03
rs36000545	G	A	-0.0158045	0.395766	0.00126235	1.10E-36	156.74739	2.93E-04	4.98E-06	TRUE	4.61E-14
rs36073309	A	G	0.00832163	0.334007	0.00129455	1.50E-10	41.32164	7.74E-05	1.52E-08	TRUE	1.13E-05
rs36089326	T	A	0.00736535	0.327082	0.00129415	7.80E-09	32.39037	6.06E-05	1.09E-07	TRUE	1.60E-04
rs365352	A	G	-0.0148384	0.244676	0.001408	1.20E-27	111.06244	2.08E-04	3.34E-07	TRUE	2.42E-12
rs3730071	A	C	-0.0273843	0.030294	0.00354184	1.30E-14	59.77833	1.12E-04	1.41E-08	TRUE	1.18E-07
rs3749387	C	G	0.0107353	0.530333	0.00122263	6.80E-19	77.09685	1.44E-04	1.44E-08	TRUE	1.72E-09
rs3759094	T	C	-0.0116496	0.337397	0.00128512	2.50E-19	82.17374	1.54E-04	2.00E-07	TRUE	1.42E-09
rs3765351	T	C	-0.0085465	0.541381	0.00120978	1.60E-13	49.90708	9.34E-05	2.32E-06	TRUE	3.75E-05
rs3771382	G	C	-0.0114084	0.571225	0.00122087	1.30E-19	87.31905	1.63E-04	1.78E-06	TRUE	6.68E-09
rs3772051	A	G	-0.00819723	0.237142	0.00144342	8.80E-09	32.2513	6.04E-05	2.91E-07	TRUE	2.51E-04
rs3778157	C	T	0.0110266	0.168518	0.00162305	4.20E-12	46.1549	8.64E-05	3.78E-09	TRUE	2.94E-06
rs3778934	C	A	-0.00742547	0.340957	0.00128197	2.30E-09	33.54985	6.28E-05	1.81E-06	TRUE	8.66E-04
rs3796232	C	G	-0.0072872	0.48708	0.00121793	1.40E-09	35.79935	6.70E-05	7.16E-07	TRUE	2.02E-04
rs380740	A	T	0.0106557	0.544132	0.00121805	1.40E-18	76.53007	1.43E-04	7.89E-07	TRUE	2.02E-08
rs3807949	T	A	0.00697938	0.484642	0.0012183	1.40E-08	32.81887	6.15E-05	2.18E-06	TRUE	1.27E-03
rs3808424	C	T	-0.0156684	0.218416	0.00147209	4.10E-26	113.28671	2.12E-04	3.34E-06	TRUE	1.13E-10
rs3810291	A	G	0.0180436	0.675488	0.00130276	4.40E-44	191.82973	3.59E-04	8.41E-07	TRUE	6.84E-20
rs3845344	T	C	0.0091788	0.391244	0.00123617	3.50E-14	55.13327	1.03E-04	5.77E-06	TRUE	8.58E-05
rs3853252	A	G	0.0152378	0.454933	0.00122298	4.30E-36	155.2402	2.91E-04	1.19E-06	TRUE	6.58E-16
rs390192	G	A	-0.0100426	0.522954	0.00122104	2.50E-17	67.64426	1.27E-04	1.26E-06	TRUE	2.90E-07
rs3925	A	G	-0.0100386	0.24515	0.00141621	3.40E-12	50.2446	9.41E-05	1.54E-07	TRUE	2.45E-06
rs394487	T	C	0.0111436	0.27767	0.00135852	2.70E-17	67.28486	1.26E-04	2.74E-07	TRUE	6.04E-08
rs3990738	G	A	-0.00719323	0.542729	0.00128859	1.50E-08	31.16139	5.83E-05	1.04E-06	TRUE	8.03E-04
rs3998115	C	G	0.00886175	0.602018	0.00125363	1.10E-12	49.96876	9.36E-05	9.64E-06	TRUE	8.84E-04
rs40071	C	T	-0.00884366	0.179526	0.00158391	7.40E-09	31.17464	5.84E-05	1.28E-08	TRUE	1.39E-04
rs40393	C	T	0.00769746	0.61159	0.00124844	1.60E-09	38.01525	7.12E-05	1.92E-07	TRUE	5.13E-05
rs4055791	T	C	-0.00914122	0.416967	0.00123883	1.90E-14	54.44817	1.02E-04	1.01E-07	TRUE	7.40E-07
rs41271299	T	C	0.0399701	0.051329	0.00274588	2.90E-48	211.88769	3.97E-04	1.16E-05	TRUE	6.24E-17
rs41311445	C	A	-0.0238101	0.095863	0.0020858	8.90E-31	130.30932	2.44E-04	1.45E-06	TRUE	2.93E-13
rs4132132	C	T	0.00939439	0.443955	0.00123553	7.40E-15	57.81346	1.08E-04	4.86E-06	TRUE	3.30E-05

rs4235838	A	G	-0.00834798	0.32573	0.00129969	2.20E-10	41.25548	7.72E-05	2.88E-06	TRUE	3.30E-04
rs4240326	G	A	-0.0203766	0.549965	0.00122084	5.20E-62	278.57639	5.21E-04	4.83E-07	TRUE	3.66E-29
rs4257594	T	C	-0.00726035	0.636189	0.00125748	2.60E-08	33.33583	6.24E-05	1.32E-06	TRUE	6.29E-04
rs4282339	A	G	-0.0171265	0.207477	0.00149207	3.70E-31	131.752	2.47E-04	1.32E-05	TRUE	9.96E-10
rs4291242	C	T	0.00829704	0.771873	0.00145756	5.10E-09	32.4035	6.07E-05	1.16E-05	TRUE	2.66E-02
rs4325427	T	C	-0.010186	0.287061	0.00134783	1.10E-13	57.11307	1.07E-04	5.01E-06	TRUE	4.09E-05
rs4369382	G	A	-0.0102317	0.735608	0.00138473	6.50E-14	54.59637	1.02E-04	1.73E-05	TRUE	2.60E-03
rs4369779	C	T	0.0248722	0.788674	0.00149407	4.60E-61	277.13086	5.19E-04	5.60E-06	TRUE	4.98E-25
rs4439140	A	G	-0.00972751	0.417791	0.00126402	6.10E-15	59.22347	1.11E-04	7.96E-07	TRUE	1.06E-06
rs4489042	C	G	-0.00684954	0.373492	0.00125572	2.90E-08	29.75333	5.57E-05	5.64E-07	TRUE	6.77E-04
rs4525525	T	G	-0.0106369	0.264249	0.00140076	1.30E-14	57.66351	1.08E-04	1.10E-06	TRUE	2.26E-06
rs45528934	T	C	0.0173734	0.162348	0.00165401	5.10E-26	110.32953	2.07E-04	2.86E-06	TRUE	1.36E-10
rs4566595	A	C	0.00727039	0.623821	0.0012622	4.30E-09	33.17855	6.21E-05	4.91E-06	TRUE	4.12E-03
rs4588572	G	A	0.00933806	0.227877	0.00144553	2.90E-11	41.73087	7.81E-05	3.08E-07	TRUE	2.74E-05
rs4648626	A	C	0.00789919	0.457374	0.00121348	5.40E-11	42.37388	7.93E-05	8.12E-06	TRUE	2.16E-03
rs4675617	G	A	0.0106743	0.832776	0.00162788	3.00E-11	42.99643	8.05E-05	4.82E-07	TRUE	2.78E-05
rs4676442	C	T	0.00746662	0.355633	0.00126062	3.90E-10	35.08149	6.57E-05	4.77E-07	TRUE	1.74E-04
rs4677150	G	C	-0.00730914	0.503934	0.00121769	1.10E-09	36.02944	6.75E-05	3.09E-10	TRUE	3.33E-05
rs4680	A	G	0.00802008	0.515086	0.00122651	4.20E-11	42.75763	8.01E-05	4.15E-06	TRUE	4.68E-04
rs4715207	T	C	0.0221752	0.179715	0.00157953	1.70E-45	197.09595	3.69E-04	9.34E-07	TRUE	2.56E-20
rs4727295	A	G	-0.0170036	0.826408	0.0016162	2.20E-26	110.6853	2.07E-04	1.47E-08	TRUE	4.95E-13
rs4776970	T	A	-0.0130164	0.357533	0.0012736	3.70E-26	104.45135	1.96E-04	4.79E-07	TRUE	1.70E-11
rs4795318	T	C	0.00863275	0.520293	0.0012214	2.60E-12	49.95522	9.35E-05	1.36E-08	TRUE	1.32E-06
rs4800670	C	G	-0.00691881	0.385839	0.0012578	3.00E-08	30.25785	5.67E-05	1.64E-06	TRUE	1.57E-03
rs4821940	C	T	-0.00840943	0.550285	0.00123369	1.90E-11	46.4643	8.70E-05	5.52E-06	TRUE	4.12E-04
rs4865956	A	T	-0.0105075	0.696448	0.00132291	2.10E-15	63.08652	1.18E-04	1.94E-05	TRUE	1.07E-03
rs4899012	C	G	-0.0209835	0.607963	0.00125084	3.90E-64	281.41725	5.27E-04	2.34E-08	TRUE	8.01E-31
rs4900715	A	G	-0.00874865	0.507435	0.00122192	1.40E-13	51.26193	9.60E-05	8.60E-07	TRUE	7.10E-06
rs4909912	T	C	-0.0172714	0.426602	0.00123215	2.10E-45	196.48359	3.68E-04	2.40E-07	TRUE	3.02E-21
rs4912537	T	C	-0.0125205	0.242032	0.00142205	5.70E-19	77.51968	1.45E-04	4.33E-07	TRUE	8.11E-09
rs4912905	C	G	-0.0100783	0.249733	0.00140773	7.60E-13	51.25476	9.60E-05	1.18E-07	TRUE	1.71E-06
rs4948293	A	G	-0.0105384	0.207711	0.00150107	1.10E-12	49.28853	9.23E-05	2.28E-06	TRUE	4.16E-05
rs4973593	G	C	-0.00701488	0.485476	0.00120663	6.20E-09	33.79797	6.33E-05	8.04E-07	TRUE	3.52E-04
rs4980826	A	C	0.00832533	0.395832	0.00124007	3.60E-11	45.07221	8.44E-05	4.07E-06	TRUE	2.84E-04
rs5019542	T	C	-0.00894166	0.636198	0.00126069	1.20E-13	50.3058	9.42E-05	3.17E-06	TRUE	6.02E-05
rs520161	C	T	-0.0110899	0.702639	0.00132952	1.30E-15	69.57671	1.30E-04	4.38E-07	TRUE	5.23E-08
rs528378	C	A	0.00705542	0.625325	0.00126092	1.40E-08	31.30899	5.86E-05	4.86E-08	TRUE	1.67E-04
rs532499	C	T	-0.00863852	0.741239	0.00139547	4.70E-10	38.32093	7.18E-05	1.74E-06	TRUE	2.94E-04
rs540652	T	C	0.0101282	0.46862	0.00120719	3.70E-16	70.39011	1.32E-04	1.42E-07	TRUE	1.89E-08
rs543874	G	A	0.0282064	0.205561	0.00149409	1.70E-81	356.40204	6.67E-04	1.25E-06	TRUE	6.49E-36
rs55674305	A	G	-0.00964482	0.305842	0.00132353	1.20E-13	53.103	9.94E-05	4.67E-06	TRUE	7.69E-05
rs55758152	A	G	0.00842842	0.32629	0.00130838	1.80E-10	41.49759	7.77E-05	3.35E-07	TRUE	3.05E-05
rs55800172	A	G	0.0189177	0.064129	0.00247115	2.20E-14	58.60529	1.10E-04	2.26E-07	TRUE	4.14E-07
rs55831773	T	C	-0.0150691	0.199193	0.00155619	5.10E-22	93.76651	1.76E-04	1.07E-05	TRUE	4.46E-07
rs55854145	C	A	-0.0172474	0.054903	0.00269612	4.80E-11	40.92298	7.66E-05	2.64E-06	TRUE	3.07E-04
rs56094641	G	A	0.0412245	0.404605	0.00123984	1.00E-200	1105.54871	2.07E-03	9.10E-06	TRUE	1.58E-102
rs56130943	C	A	0.00940205	0.233388	0.00148129	3.00E-10	40.28685	7.54E-05	2.58E-08	TRUE	1.59E-05
rs56207600	A	G	0.0136817	0.110968	0.00194733	4.70E-12	49.36276	9.24E-05	2.82E-06	TRUE	5.90E-05
rs56228832	A	T	-0.0198991	0.244984	0.00140672	1.20E-45	200.1013	3.75E-04	9.49E-07	TRUE	1.33E-20
rs56304624	A	G	-0.00676137	0.418495	0.00124345	2.50E-08	29.56726	5.54E-05	4.44E-06	TRUE	6.92E-03

rs56383938	G	A	-0.0145575	0.087325	0.00215009	1.40E-12	45.84149	8.58E-05	8.30E-06	TRUE	1.23E-03
rs57135834	T	C	-0.0160957	0.247642	0.00141391	1.20E-29	129.59092	2.43E-04	5.99E-07	TRUE	6.67E-14
rs5752989	A	G	-0.0105387	0.571591	0.00123807	2.10E-17	72.45728	1.36E-04	7.13E-07	TRUE	4.51E-08
rs5753630	G	A	0.00784561	0.439985	0.00123883	5.20E-11	40.10776	7.51E-05	9.02E-06	TRUE	4.15E-03
rs57635800	A	G	0.0130234	0.291354	0.00134757	3.20E-23	93.39948	1.75E-04	1.50E-06	TRUE	1.24E-09
rs57636386	C	T	-0.0256001	0.083671	0.00221099	2.10E-32	134.06276	2.51E-04	4.07E-07	TRUE	1.38E-14
rs5771118	C	T	0.0091639	0.741521	0.00140711	1.10E-10	42.41339	7.94E-05	9.33E-06	TRUE	3.03E-03
rs582780	G	A	0.0153369	0.42302	0.00123761	1.60E-34	153.56984	2.87E-04	2.17E-06	TRUE	4.53E-15
rs58584712	A	G	0.00903929	0.211046	0.00147907	1.30E-09	37.34991	6.99E-05	1.30E-06	TRUE	2.55E-04
rs58857770	G	C	-0.00915724	0.408374	0.00124905	7.50E-14	53.74869	1.01E-04	2.23E-06	TRUE	1.55E-05
rs599004	T	C	-0.0101078	0.2807	0.00134756	2.40E-14	56.26203	1.05E-04	1.48E-07	TRUE	5.68E-07
rs59985551	T	C	-0.0179132	0.226046	0.00144166	2.90E-35	154.38995	2.89E-04	1.15E-05	TRUE	5.44E-12
rs60071805	A	G	0.00746956	0.321232	0.00130594	3.80E-08	32.71463	6.13E-05	5.31E-06	TRUE	5.17E-03
rs60077625	A	G	0.0142083	0.314474	0.00130001	1.60E-27	119.45084	2.24E-04	1.08E-05	TRUE	3.46E-09
rs6026578	G	C	-0.0100998	0.625004	0.00126761	2.60E-15	63.48229	1.19E-04	3.35E-06	TRUE	4.37E-06
rs6056342	A	G	-0.00767753	0.658725	0.00129089	7.50E-10	35.37227	6.62E-05	6.87E-09	TRUE	4.54E-05
rs60667771	C	T	0.0104829	0.160342	0.00165495	1.80E-10	40.12283	7.51E-05	3.41E-06	TRUE	5.55E-04
rs6096886	G	A	-0.018949	0.190365	0.00155603	2.50E-33	148.29791	2.78E-04	2.63E-06	TRUE	2.63E-14
rs6124249	C	T	0.0074819	0.316469	0.00133679	4.10E-09	31.32534	5.87E-05	4.60E-07	TRUE	4.09E-04
rs6142059	C	T	0.00973613	0.492627	0.0012236	1.70E-17	63.31289	1.19E-04	7.83E-07	TRUE	4.10E-07
rs61628776	G	A	-0.0145523	0.140719	0.00175353	3.90E-17	68.87082	1.29E-04	1.08E-06	TRUE	1.75E-07
rs61729527	T	C	-0.0214159	0.051898	0.00274485	4.40E-15	60.87427	1.14E-04	7.17E-07	TRUE	6.48E-07
rs61775433	G	A	0.0131892	0.176031	0.00158491	2.90E-17	69.251	1.30E-04	1.28E-06	TRUE	2.07E-07
rs61828917	T	C	0.0108089	0.124721	0.00183321	3.90E-09	34.76458	6.51E-05	1.58E-08	TRUE	5.80E-05
rs61849823	C	T	0.0111739	0.164273	0.00165548	2.50E-11	45.55752	8.53E-05	4.01E-07	TRUE	1.33E-05
rs61855849	A	G	-0.0100738	0.257615	0.00139197	2.30E-12	52.37515	9.81E-05	7.81E-07	TRUE	4.97E-06
rs61869763	T	C	0.0173261	0.104781	0.00200517	3.30E-18	74.66165	1.40E-04	2.43E-07	TRUE	9.69E-09
rs61992671	G	A	-0.011216	0.492439	0.00127529	2.60E-18	77.34931	1.45E-04	7.84E-07	TRUE	1.66E-08
rs62124717	A	G	0.0117214	0.094722	0.00207318	3.00E-08	31.96563	5.99E-05	1.89E-06	TRUE	1.28E-03
rs62246314	A	G	0.0139944	0.10252	0.00199674	1.30E-12	49.12063	9.20E-05	6.84E-06	TRUE	4.13E-04
rs62275882	A	G	-0.0107818	0.14105	0.00174749	4.30E-10	38.06725	7.13E-05	1.05E-06	TRUE	1.74E-04
rs6235	G	C	0.0164596	0.267912	0.00136817	4.10E-34	144.72941	2.71E-04	1.69E-06	TRUE	1.65E-14
rs62372052	G	A	0.0245679	0.110285	0.00194315	1.70E-36	159.85337	2.99E-04	2.28E-06	TRUE	1.31E-15
rs62396185	C	G	-0.0179794	0.259938	0.00150597	5.70E-33	142.53323	2.67E-04	5.28E-07	TRUE	2.74E-15
rs62621197	T	C	-0.0338421	0.037142	0.00335251	5.60E-24	101.89968	1.91E-04	4.04E-06	TRUE	2.29E-09
rs62621812	A	G	0.0385148	0.020368	0.00442777	2.90E-18	75.663	1.42E-04	7.45E-08	TRUE	3.92E-09
rs632224	G	A	-0.0120826	0.425852	0.00123139	1.30E-22	96.27819	1.80E-04	1.38E-07	TRUE	3.87E-11
rs6457762	C	T	0.0154594	0.162123	0.0016989	1.80E-20	82.80337	1.55E-04	3.73E-06	TRUE	1.01E-07
rs6493780	G	A	-0.0134594	0.092826	0.00212751	2.30E-10	40.02272	7.49E-05	9.16E-08	TRUE	2.34E-05
rs655598	A	G	-0.00951773	0.562987	0.00121561	4.20E-15	61.30228	1.15E-04	3.53E-07	TRUE	3.01E-07
rs6563808	C	T	-0.00992402	0.734476	0.00138759	1.10E-12	51.15067	9.58E-05	1.24E-06	TRUE	1.12E-05
rs6567160	C	T	0.0449666	0.232577	0.00144504	1.00E-200	968.31963	1.81E-03	4.01E-08	TRUE	4.63E-102
rs6570509	T	G	-0.0141029	0.286774	0.00134009	2.60E-26	110.75091	2.07E-04	1.55E-06	TRUE	2.75E-11
rs6597975	G	C	0.00738407	0.54428	0.0012297	4.90E-09	36.05717	6.75E-05	1.43E-06	TRUE	3.79E-04
rs667515	C	G	-0.0113291	0.386292	0.00125391	5.20E-19	81.63125	1.53E-04	3.99E-07	TRUE	2.86E-09
rs6675689	C	A	0.00762259	0.650223	0.00127021	1.00E-09	36.01243	6.74E-05	7.38E-08	TRUE	5.83E-05
rs6693481	C	T	-0.00787115	0.69506	0.00131386	2.70E-09	35.89026	6.72E-05	5.58E-06	TRUE	3.14E-03
rs67362530	A	G	-0.0154582	0.116887	0.00190473	1.80E-17	65.86419	1.23E-04	3.80E-07	TRUE	1.10E-07
rs6738207	A	G	0.00714641	0.400689	0.00123612	1.50E-08	33.42358	6.26E-05	3.58E-07	TRUE	2.14E-04
rs6745626	T	C	0.0090194	0.589809	0.00122922	1.90E-14	53.83868	1.01E-04	5.70E-08	TRUE	6.97E-07

rs67551338	T	C	0.0235436	0.061506	0.00255474	1.10E-20	84.92796	1.59E-04	1.18E-08	TRUE	2.47E-10
rs6762578	A	G	0.0154374	0.778269	0.00146429	1.60E-26	111.14566	2.08E-04	6.72E-06	TRUE	2.08E-09
rs6772164	A	C	0.00897332	0.357931	0.00126491	1.60E-12	50.32519	9.42E-05	2.11E-06	TRUE	2.93E-05
rs6779752	A	G	-0.0131839	0.638029	0.0012699	1.10E-25	107.78222	2.02E-04	8.88E-06	TRUE	1.32E-08
rs6804915	A	C	0.00903647	0.291639	0.00133428	3.00E-12	45.86718	8.59E-05	6.60E-08	TRUE	5.08E-06
rs6821305	C	A	0.012837	0.39904	0.00124025	9.20E-25	107.12898	2.01E-04	9.80E-10	TRUE	8.42E-13
rs6874142	G	T	0.0171976	0.113762	0.00202055	1.10E-17	72.44274	1.36E-04	1.59E-05	TRUE	1.07E-04
rs6902789	A	G	0.0110311	0.367889	0.00126247	1.50E-18	76.34734	1.43E-04	5.42E-07	TRUE	1.35E-08
rs6905095	A	C	-0.00816381	0.43737	0.00122372	7.70E-12	44.50615	8.33E-05	2.83E-06	TRUE	1.63E-04
rs6946091	G	A	0.0185658	0.627228	0.00125878	9.40E-50	217.53345	4.07E-04	6.06E-06	TRUE	2.96E-19
rs695922	G	A	-0.00977492	0.836792	0.00165769	1.20E-09	34.77108	6.51E-05	5.06E-08	TRUE	7.15E-05
rs6975015	A	G	0.0168627	0.117093	0.00189534	2.70E-19	79.155	1.48E-04	9.39E-07	TRUE	1.41E-08
rs7033487	C	T	-0.0209549	0.197977	0.00152885	1.10E-42	187.86237	3.52E-04	1.44E-06	TRUE	6.33E-19
rs703593	G	A	-0.0112393	0.481773	0.00121499	2.90E-20	85.57196	1.60E-04	3.71E-07	TRUE	1.06E-09
rs7072873	T	C	-0.0105678	0.538834	0.00122636	2.90E-18	74.25601	1.39E-04	6.21E-08	TRUE	5.12E-09
rs7080472	T	G	0.0109773	0.424999	0.00123499	9.10E-19	79.00645	1.48E-04	1.43E-06	TRUE	2.82E-08
rs7115013	T	C	-0.00749496	0.442657	0.00122778	5.70E-10	37.26455	6.98E-05	4.18E-06	TRUE	1.40E-03
rs7129320	A	G	-0.0214691	0.166088	0.0016349	1.80E-39	172.44224	3.23E-04	8.71E-08	TRUE	3.64E-19
rs7132908	A	G	0.0172948	0.384564	0.0012484	1.00E-45	191.92075	3.59E-04	1.42E-07	TRUE	5.17E-21
rs7134283	A	G	-0.0118095	0.283551	0.00135088	1.50E-18	76.42366	1.43E-04	3.55E-06	TRUE	3.36E-07
rs7137534	C	T	-0.00748139	0.661081	0.00128517	3.80E-09	33.88768	6.35E-05	2.45E-07	TRUE	1.55E-04
rs71385734	G	T	-0.0227637	0.169606	0.00163183	1.30E-47	194.59615	3.64E-04	9.36E-08	TRUE	1.94E-21
rs71423263	G	T	0.0131324	0.141277	0.0017342	6.60E-15	57.34403	1.07E-04	6.63E-07	TRUE	1.34E-06
rs7154982	A	G	-0.0140434	0.269251	0.00137622	5.70E-25	104.12792	1.95E-04	1.59E-06	TRUE	1.27E-10
rs7156335	C	T	0.0172037	0.091223	0.00213349	8.10E-16	65.02208	1.22E-04	2.61E-08	TRUE	3.71E-08
rs7188009	A	G	0.00841701	0.404465	0.0012411	1.20E-11	45.99393	8.61E-05	4.23E-06	TRUE	2.56E-04
rs7199856	T	G	-0.00838283	0.752591	0.00140824	7.80E-10	35.4345	6.63E-05	7.03E-07	TRUE	2.16E-04
rs7223535	A	G	-0.0247128	0.270393	0.00137133	1.60E-73	324.75686	6.08E-04	7.37E-07	TRUE	1.97E-33
rs7229520	A	G	-0.0101299	0.661699	0.00129204	1.20E-15	61.46909	1.15E-04	1.89E-07	TRUE	1.87E-07
rs723149	G	A	-0.0110854	0.562814	0.00122586	6.70E-19	81.77478	1.53E-04	2.78E-06	TRUE	5.95E-08
rs724016	G	A	0.0297052	0.443901	0.00121872	8.59E-136	594.0944	1.11E-03	3.53E-06	TRUE	3.86E-57
rs7245985	G	T	-0.011072	0.20736	0.00150737	3.00E-13	53.9524	1.01E-04	2.75E-06	TRUE	2.15E-05
rs726547	A	G	-0.0200005	0.045749	0.00292449	1.80E-11	46.77134	8.76E-05	1.04E-08	TRUE	2.78E-06
rs72656010	C	T	-0.0347319	0.132131	0.00180277	6.20E-82	371.17166	6.95E-04	1.40E-08	TRUE	2.82E-40
rs7269113	C	T	-0.00863801	0.801396	0.00155122	1.10E-08	31.00837	5.81E-05	3.86E-09	TRUE	1.30E-04
rs72697614	A	C	0.00775289	0.319951	0.00130993	9.90E-10	35.02914	6.56E-05	1.45E-05	TRUE	3.00E-02
rs72755233	A	G	-0.0146092	0.111753	0.00193574	1.10E-13	56.95832	1.07E-04	1.51E-06	TRUE	4.09E-06
rs72771080	T	C	0.0138091	0.212205	0.00148901	3.50E-21	86.00702	1.61E-04	3.02E-06	TRUE	2.94E-08
rs72801843	A	T	0.0161306	0.301472	0.0013257	3.60E-35	148.05017	2.77E-04	8.65E-06	TRUE	3.93E-12
rs72820209	T	A	0.00702928	0.394099	0.00123674	7.40E-09	32.30452	6.05E-05	5.74E-07	TRUE	3.80E-04
rs72845395	C	G	-0.0222242	0.042473	0.00307003	2.20E-13	52.40412	9.81E-05	3.93E-06	TRUE	6.03E-05
rs73004967	G	A	-0.0177547	0.068686	0.00242315	4.40E-13	53.68642	1.01E-04	2.18E-07	TRUE	1.30E-06
rs7301341	C	T	-0.00948523	0.326761	0.00129534	1.20E-13	53.61997	1.00E-04	4.48E-07	TRUE	2.20E-06
rs73052033	C	T	-0.0168741	0.185063	0.00156269	7.30E-27	116.59876	2.18E-04	9.66E-07	TRUE	2.90E-12
rs73081811	G	T	0.00878213	0.527918	0.00121732	2.60E-13	52.04615	9.74E-05	9.04E-08	TRUE	1.26E-06
rs73093103	T	A	0.0241633	0.034065	0.00335482	1.30E-13	51.87671	9.71E-05	9.56E-06	TRUE	6.17E-04
rs73175572	G	A	0.0260563	0.111604	0.00194427	1.30E-42	179.60181	3.36E-04	2.28E-06	TRUE	1.60E-17
rs7321045	A	G	0.00945976	0.448103	0.00123758	2.50E-15	58.42679	1.09E-04	1.53E-07	TRUE	3.45E-07
rs73213484	T	A	-0.0134471	0.140977	0.00174884	4.70E-14	59.12287	1.11E-04	1.59E-08	TRUE	1.42E-07
rs73619441	G	T	-0.0135104	0.143693	0.00174865	4.50E-15	59.69377	1.12E-04	5.72E-06	TRUE	3.45E-05

rs7377083	A	C	0.00958917	0.431278	0.00123599	1.90E-15	60.19085	1.13E-04	9.65E-07	TRUE	1.08E-06
rs73791415	T	G	-0.00718243	0.355367	0.00126585	2.40E-08	32.19413	6.03E-05	1.02E-08	TRUE	1.05E-04
rs73966422	G	C	0.0150136	0.12262	0.00184089	1.70E-16	66.51389	1.25E-04	8.17E-06	TRUE	2.64E-05
rs7399309	T	C	0.0120441	0.123936	0.00184542	3.50E-11	42.5948	7.98E-05	1.84E-09	TRUE	6.81E-06
rs74032128	G	A	0.0216905	0.032691	0.00343987	3.40E-10	39.76065	7.44E-05	1.05E-07	TRUE	2.62E-05
rs741409	T	C	0.0108485	0.157892	0.00166966	9.60E-11	42.21645	7.90E-05	1.57E-06	TRUE	1.10E-04
rs7426945	G	A	0.00750398	0.546618	0.00121691	2.40E-09	38.02461	7.12E-05	4.19E-08	TRUE	3.07E-05
rs74494415	T	C	-0.0252977	0.039766	0.00314827	4.70E-16	64.56788	1.21E-04	8.27E-06	TRUE	3.95E-05
rs7460093	A	G	0.00972935	0.531623	0.0012297	2.80E-15	62.59904	1.17E-04	8.86E-06	TRUE	7.05E-05
rs74737644	G	A	-0.01409	0.090926	0.00212978	7.70E-12	43.76741	8.19E-05	4.03E-06	TRUE	3.62E-04
rs7487292	G	T	0.0102479	0.447086	0.00122966	2.60E-17	69.45412	1.30E-04	2.83E-08	TRUE	1.28E-08
rs751894	T	C	0.00917897	0.205654	0.00151504	2.00E-10	36.70609	6.87E-05	7.56E-09	TRUE	3.28E-05
rs7519259	A	G	0.00843428	0.528729	0.00121468	4.10E-12	48.21372	9.03E-05	2.72E-06	TRUE	7.03E-05
rs752070	G	A	0.0108737	0.125875	0.0018214	5.80E-10	35.64039	6.67E-05	4.69E-06	TRUE	2.37E-03
rs7546249	A	T	0.0151577	0.726373	0.00135446	8.60E-30	125.23699	2.34E-04	1.05E-05	TRUE	9.76E-10
rs754635	G	C	0.0130636	0.886623	0.00190931	3.30E-12	46.81351	8.77E-05	2.63E-08	TRUE	3.20E-06
rs7576796	A	G	-0.00803553	0.77532	0.00144742	4.20E-08	30.8204	5.77E-05	1.06E-06	TRUE	8.86E-04
rs76040172	A	G	-0.0173302	0.054062	0.00272729	8.60E-11	40.37782	7.56E-05	6.93E-07	TRUE	6.88E-05
rs76067562	T	G	0.0139888	0.095541	0.00207169	1.30E-11	45.59422	8.54E-05	1.36E-05	TRUE	4.91E-03
rs7619139	A	T	0.0128553	0.58889	0.00123379	1.20E-25	108.56262	2.03E-04	4.23E-07	TRUE	5.64E-12
rs76307059	G	C	-0.0195087	0.046286	0.00289943	4.90E-11	45.27201	8.48E-05	1.90E-07	TRUE	8.97E-06
rs76364830	A	G	-0.0222943	0.063359	0.00252013	7.00E-19	78.26006	1.47E-04	3.73E-06	TRUE	2.60E-07
rs76513770	C	T	-0.0166978	0.128222	0.00182238	1.10E-20	83.95354	1.57E-04	9.39E-07	TRUE	4.72E-09
rs7665127	T	C	0.00988975	0.35182	0.00129377	1.90E-14	58.43255	1.09E-04	6.63E-11	TRUE	1.21E-07
rs76693355	C	T	-0.014207	0.11622	0.00190087	3.10E-14	55.85966	1.05E-04	2.68E-06	TRUE	1.37E-05
rs7671407	A	G	-0.00755734	0.718915	0.00135575	2.20E-08	31.07256	5.82E-05	3.36E-06	TRUE	3.35E-03
rs76733024	G	A	-0.01454	0.065069	0.00245091	9.10E-10	35.19431	6.59E-05	7.84E-07	TRUE	2.51E-04
rs7673764	A	G	-0.0139224	0.064308	0.00248308	1.30E-08	31.43729	5.89E-05	4.17E-07	TRUE	3.75E-04
rs76798800	T	G	0.021599	0.266142	0.00136791	1.40E-57	249.31627	4.67E-04	1.76E-07	TRUE	7.75E-27
rs76895963	G	T	0.0954736	0.020687	0.00470476	1.20E-92	411.80349	7.71E-04	2.19E-07	TRUE	1.95E-43
rs7691068	C	T	0.00663792	0.50621	0.00121378	4.60E-08	29.90766	5.60E-05	8.30E-07	TRUE	8.77E-04
rs76951439	T	C	0.0204589	0.053125	0.00271149	3.20E-14	56.93075	1.07E-04	5.06E-07	TRUE	1.13E-06
rs77093479	G	C	-0.0111724	0.165229	0.00165359	2.10E-11	45.64946	8.55E-05	2.65E-07	TRUE	9.87E-06
rs77165542	T	C	-0.0636649	0.035487	0.00330073	7.50E-86	372.03046	6.96E-04	6.84E-06	TRUE	2.29E-33
rs7719688	G	A	-0.00878572	0.459259	0.00123064	2.80E-13	50.96723	9.54E-05	8.92E-07	TRUE	7.91E-06
rs7728095	G	A	0.0129997	0.388456	0.00125549	4.40E-26	107.2108	2.01E-04	2.32E-06	TRUE	1.54E-10
rs7728690	T	C	-0.00967582	0.385281	0.00124542	1.30E-14	60.35903	1.13E-04	2.67E-06	TRUE	5.23E-06
rs7731023	G	A	0.00785695	0.574922	0.0012257	1.60E-10	41.09017	7.69E-05	3.07E-07	TRUE	3.18E-05
rs773145	C	G	-0.00699917	0.415323	0.00123601	3.10E-09	32.0662	6.00E-05	3.91E-07	TRUE	3.11E-04
rs7740107	A	T	-0.0278651	0.73613	0.00137448	1.80E-95	411.00086	7.69E-04	3.64E-07	TRUE	6.07E-43
rs7755185	G	A	0.00879721	0.310876	0.0013112	1.20E-11	45.01429	8.43E-05	5.39E-07	TRUE	1.90E-05
rs7758804	T	C	0.00741954	0.386615	0.0012456	1.90E-08	35.48094	6.64E-05	6.50E-07	TRUE	2.01E-04
rs77641763	T	C	-0.0110363	0.122746	0.00185565	7.40E-10	35.37148	6.62E-05	1.13E-07	TRUE	7.81E-05
rs7776917	A	G	0.0127745	0.476576	0.00121941	4.60E-26	109.74549	2.05E-04	3.94E-08	TRUE	8.27E-13
rs77848106	A	C	-0.00899002	0.295664	0.00133197	2.10E-12	45.55445	8.53E-05	4.19E-07	TRUE	1.37E-05
rs7810870	G	C	-0.00965481	0.1343	0.00178828	4.30E-08	29.14841	5.46E-05	2.32E-07	TRUE	4.72E-04
rs781648	T	C	-0.0139006	0.93085	0.0024113	9.70E-09	33.2325	6.22E-05	8.81E-07	TRUE	4.34E-04
rs78287937	G	T	0.0127488	0.090254	0.00212695	2.30E-09	35.92712	6.73E-05	2.29E-08	TRUE	4.59E-05
rs78378222	G	T	0.07743	0.012354	0.00563246	1.80E-44	188.9821	3.54E-04	9.08E-07	TRUE	1.56E-19
rs7843128	C	T	-0.00777863	0.356677	0.00127149	5.00E-09	37.42646	7.01E-05	7.05E-07	TRUE	1.37E-04

rs7900548	G	T	-0.0138869	0.173186	0.00160846	1.40E-17	74.53984	1.40E-04	1.28E-06	TRUE	6.33E-08
rs7916441	C	G	-0.00807459	0.433166	0.00122824	2.30E-10	43.21882	8.09E-05	6.59E-07	TRUE	3.42E-05
rs7925214	T	C	0.00742042	0.51808	0.00122889	1.00E-09	36.46106	6.83E-05	1.25E-09	TRUE	3.11E-05
rs7942152	A	T	-0.0101814	0.458808	0.00122468	3.80E-16	69.11433	1.29E-04	1.24E-07	TRUE	2.39E-08
rs7952436	T	C	-0.032854	0.082249	0.00221628	8.60E-51	219.74835	4.11E-04	1.95E-06	TRUE	1.15E-21
rs7969505	C	G	-0.0123727	0.11403	0.00192369	3.40E-10	41.3673	7.75E-05	5.02E-06	TRUE	8.97E-04
rs7994814	T	C	0.00911979	0.417319	0.00125382	1.10E-12	52.90512	9.91E-05	1.80E-06	TRUE	1.30E-05
rs8002779	A	G	-0.00723785	0.602902	0.00124315	5.40E-09	33.89772	6.35E-05	1.14E-08	TRUE	6.91E-05
rs8007644	A	G	0.00763049	0.388921	0.00126237	1.10E-09	36.53675	6.84E-05	1.91E-06	TRUE	4.87E-04
rs8017780	A	C	-0.00926013	0.212833	0.00149837	3.40E-10	38.19393	7.15E-05	4.25E-06	TRUE	1.21E-03
rs8024244	A	G	0.0103072	0.250621	0.00141033	8.70E-13	53.41193	1.00E-04	2.80E-06	TRUE	2.49E-05
rs80295797	T	C	-0.0120873	0.326512	0.00128938	2.20E-21	87.88103	1.65E-04	2.41E-06	TRUE	1.14E-08
rs8042545	A	G	0.0120881	0.24239	0.0014277	7.70E-18	71.68702	1.34E-04	2.45E-07	TRUE	1.97E-08
rs8059189	A	G	-0.0107879	0.403677	0.00127348	1.20E-16	71.76091	1.34E-04	3.66E-06	TRUE	9.59E-07
rs8066863	G	A	-0.0175659	0.116169	0.00191039	1.40E-19	84.5464	1.58E-04	2.31E-06	TRUE	2.13E-08
rs8074074	T	C	0.00899983	0.755384	0.0014241	4.20E-11	39.93797	7.48E-05	8.39E-08	TRUE	2.32E-05
rs8091374	A	G	-0.0101354	0.161278	0.00169263	1.30E-09	35.85553	6.71E-05	8.35E-08	TRUE	6.28E-05
rs8132129	T	C	-0.00932601	0.184588	0.00159425	1.10E-08	34.21978	6.41E-05	1.54E-06	TRUE	6.15E-04
rs822549	C	T	0.0119515	0.267506	0.0013736	5.80E-19	75.70466	1.42E-04	6.84E-07	TRUE	2.04E-08
rs836532	A	G	0.0110783	0.201325	0.00151656	4.80E-14	53.36118	9.99E-05	4.92E-08	TRUE	7.49E-07
rs878347	C	T	-0.00912659	0.366732	0.00126373	4.20E-13	52.15631	9.77E-05	7.54E-11	TRUE	5.77E-07
rs882378	C	A	0.00992979	0.307093	0.00132012	1.00E-14	56.57853	1.06E-04	2.00E-06	TRUE	6.97E-06
rs887912	C	T	-0.0110788	0.702919	0.00132035	1.70E-17	70.40535	1.32E-04	6.73E-08	TRUE	1.34E-08
rs903162	A	G	0.00752678	0.31297	0.00131174	8.40E-09	32.92466	6.16E-05	1.87E-05	TRUE	7.39E-02
rs926436	A	G	0.00916139	0.857772	0.00173375	4.20E-08	27.92211	5.23E-05	6.84E-07	TRUE	1.19E-03
rs9291926	G	T	-0.0118167	0.531851	0.0012162	2.50E-22	94.40191	1.77E-04	1.80E-07	TRUE	7.23E-11
rs9327336	C	T	0.0088433	0.343519	0.00127657	5.80E-12	47.98857	8.99E-05	6.16E-06	TRUE	3.96E-04
rs9352808	T	G	-0.0114826	0.454916	0.00121714	1.10E-20	89.00159	1.67E-04	3.50E-06	TRUE	2.29E-08
rs9379084	A	G	-0.0147219	0.115555	0.00195388	3.80E-14	56.77149	1.06E-04	4.61E-06	TRUE	3.58E-05
rs9388498	T	G	0.017573	0.186005	0.00159981	5.60E-28	120.65724	2.26E-04	3.15E-08	TRUE	5.50E-14
rs9398171	T	C	0.0210115	0.711025	0.00133717	1.80E-56	246.91032	4.62E-04	2.51E-07	TRUE	2.14E-26
rs9399656	T	C	-0.00838239	0.462908	0.0012173	7.40E-12	47.41752	8.88E-05	2.87E-06	TRUE	9.12E-05
rs946197	C	G	0.0137795	0.231104	0.00143529	3.00E-21	92.16923	1.73E-04	1.26E-06	TRUE	1.19E-09
rs9480933	G	C	-0.012177	0.349568	0.00127221	1.40E-22	91.6139	1.72E-04	2.67E-06	TRUE	6.53E-09
rs9496614	C	T	0.00907259	0.24479	0.00141328	7.90E-11	41.21018	7.72E-05	2.43E-06	TRUE	2.54E-04
rs9513510	C	G	-0.00902971	0.698752	0.00132982	1.30E-11	46.1063	8.63E-05	1.19E-09	TRUE	2.78E-06
rs9564268	C	T	-0.00829326	0.615587	0.00125828	8.40E-11	43.44045	8.13E-05	5.18E-07	TRUE	2.65E-05
rs9568856	A	G	0.0144239	0.127867	0.00182656	3.40E-15	62.35853	1.17E-04	2.01E-06	TRUE	2.01E-06
rs9634212	A	C	0.0226699	0.220971	0.00146933	2.90E-54	238.04491	4.46E-04	4.63E-06	TRUE	8.16E-22
rs9654453	C	T	0.0118361	0.129342	0.00180909	1.80E-10	42.80508	8.01E-05	8.44E-07	TRUE	4.76E-05
rs9861443	C	A	0.0110555	0.714978	0.00134902	3.70E-16	67.16119	1.26E-04	2.31E-06	TRUE	9.20E-07
rs987204	A	G	0.0103734	0.437891	0.00122123	1.70E-17	72.15155	1.35E-04	2.82E-07	TRUE	1.96E-08
rs9888533	T	C	0.00739921	0.538389	0.00124552	1.10E-08	35.2913	6.61E-05	1.97E-07	TRUE	1.00E-04
rs9888796	C	T	-0.00970134	0.742489	0.00139427	1.10E-12	48.41368	9.06E-05	1.31E-06	TRUE	2.22E-05
rs9892365	G	A	-0.0150126	0.670321	0.00129635	3.30E-30	134.11139	2.51E-04	8.80E-06	TRUE	7.00E-11
rs9894577	A	G	-0.0136663	0.318073	0.00131077	4.70E-25	108.70444	2.04E-04	3.79E-07	TRUE	4.82E-12
rs9898189	G	C	-0.00800023	0.644605	0.00132175	8.20E-10	36.63572	6.86E-05	5.18E-06	TRUE	2.36E-03
rs9951619	G	T	0.0118305	0.767618	0.0014549	2.40E-17	66.12083	1.24E-04	1.18E-06	TRUE	3.72E-07
rs9960619	T	C	0.00895586	0.344176	0.0012853	6.10E-13	48.55165	9.09E-05	1.21E-09	TRUE	1.51E-06
rs9967287	T	G	0.00774088	0.251444	0.00140914	3.00E-08	30.17663	5.65E-05	6.80E-07	TRUE	7.04E-04

rs9976812	G	C	-0.0139731	0.564269	0.00124629	2.80E-29	125.70301	2.35E-04	1.34E-06	TRUE	6.94E-13
rs9985795	C	T	-0.0071301	0.48255	0.00121915	4.10E-09	34.20388	6.40E-05	2.37E-07	TRUE	1.42E-04
rs9989141	T	C	0.00970164	0.632701	0.00126785	3.20E-15	58.55351	1.10E-04	1.59E-06	TRUE	3.12E-06