

Supplementary table 1: SNPs and associated alleles

	heterozygous wild-type	alternative		heterozygous wild-type	alternative		heterozygous wild-type	alternative			
rs16934288	G	AG	A	rs2010963	G	GC	C	rs4952818	T	CT	C
rs2290985	A	GA	G	rs2034327	G	CG	C	rs4952819	G	CG	C
rs34231037	A	AG	G	rs2034965	G	GA	A	rs4953340	G	GC	C
rs3736061	G	GT	T	rs2044456	A	GA	G	rs4953344	T	CT	C
rs3736062	C	CT	T	rs2046462	T	CT	C	rs4953353	G	GT	T
rs55667289	G	GA	A	rs20551	A	GA	G	rs5065	A	GA	G
rs111458691	C	CT	T	rs2070296	G	GA	A	rs5758223	A	GA	G
rs10020464	C	TC	T	rs2071559	A	AG	G	rs594942	C	CT	T
rs10085109	C	GC	G	rs2125489	G	GA	A	rs59769082	T	GT	G
rs10199201	T	CT	C	rs2229935	C	CT	T	rs600640	A	AG	G
rs1042886	G	GT	T	rs2230054	C	TC	T	rs6025	G	GA	A
rs10738760	A	AG	G	rs2236563	G	GA	A	rs6418686	T	CT	C
rs11125071	C	CG	G	rs2239702	G	AG	A	rs6527518	G	GT	T
rs11133360	T	CT	C	rs2241906	C	TC	T	rs6632474	T	TC	C
rs11149523	G	GA	A	rs2242212	G	AG	A	rs6715787	C	CG	G
rs11158358	C	CG	G	rs2242214	G	GA	A	rs6753127	C	CT	T
rs1126643	C	TC	T	rs2268613	A	GA	G	rs6828869	G	GC	C
rs1130378	C	CT	T	rs2268614	C	CT	T	rs6921438	G	GA	A
rs1130379	G	GA	A	rs2281827	G	AG	A	rs6993770	A	TA	T
rs11549465	C	CT	T	rs2295778	C	CG	G	rs699946	A	GA	G
rs11687512	G	GC	C	rs2295779	A	GA	G	rs699947	A	CA	C
rs11689649	T	CT	C	rs2305945	G	GT	T	rs722503	A	GA	G
rs11750142	T	CT	C	rs2305948	C	TC	T	rs7324547	G	AG	A
rs11881124	A	AG	G	rs2305949	C	CT	T	rs7565341	G	AG	A
rs12054587	G	GA	A	rs2346176	T	TC	C	rs7594278	G	GT	T
rs12435664	T	TC	C	rs2387632	C	TC	T	rs7667298	C	CT	T
rs12435737	G	GA	A	rs2491417	A	GA	G	rs7673274	G	GA	A
rs12502008	G	GT	T	rs2644916	G	AG	A	rs7691507	T	CT	C
rs12505758	T	TC	C	rs2749723	G	GA	A	rs7693545	C	CT	T
rs12510099	G	AG	A	rs2804498	T	TC	C	rs7733907	T	CT	C
rs12614710	G	GT	T	rs2820037	A	TA	T	rs7937	T	CT	C
rs12642307	T	TC	C	rs3025000	C	TC	T	rs7982639	A	GA	G
rs12654563	T	TC	C	rs3025030	G	GC	C	rs7987291	A	GA	G
rs12858139	C	CA	A	rs3025033	A	AG	G	rs7987649	A	AG	G
rs13155357	C	CA	A	rs3025035	C	TC	T	rs7993418	A	GA	G
rs13163004	G	GT	T	rs3025039	C	CT	T	rs7995976	C	CA	A
rs1319462	A	GA	G	rs307811	G	GA	A	rs833058	C	TC	T
rs1324057	C	TC	T	rs307821	G	GT	T	rs833060	G	GT	T
rs13359473	G	GA	A	rs307826	A	GA	G	rs833061	C	TC	T
rs13409493	G	GT	T	rs34221241	T	TC	C	rs833068	G	GA	A
rs13412887	C	CG	G	rs3733828	C	TC	T	rs899169	G	GT	T
rs1374749	G	GA	A	rs3733829	T	CT	C	rs9319425	T	CT	C
rs1411924	A	GA	G	rs3741403	G	AG	A	rs9508019	G	GT	T
rs1531289	C	TC	T	rs3750733	G	AG	A	rs9508021	A	AG	G
rs1531290	A	GA	G	rs3751395	C	CA	A	rs9513070	A	AG	G
rs1562452	G	GA	A	rs3751397	A	TA	T	rs9513115	A	CA	C
rs1629140	G	AG	A	rs3768728	T	CT	C	rs9551462	C	TC	T
rs1642742	T	TC	C	rs3768730	T	GT	G	rs9551471	A	GA	G
rs1680695	A	CA	C	rs3775194	C	CG	G	rs9554316	G	GT	T
rs17085262	C	CT	T	rs3818416	G	GT	T	rs9554320	C	CA	A
rs17085326	C	TC	T	rs396991	T	GT	G	rs9582036	A	CA	C
rs17086609	A	GA	G	rs4073	T	TA	A	rs9671702	C	GC	G
rs1769608	A	GA	G	rs4145836	G	GA	A				
rs1801274	T	CT	C	rs4416670	T	TC	C				
rs1830792	T	CT	C	rs448012	C	GC	G				
rs1867787	G	CG	C	rs480902	C	CT	T				
rs1868084	C	GC	G	rs4820431	C	CA	A				
rs1868089	T	CT	C	rs4899056	C	CT	T				
rs1870377	T	TA	A	rs4934838	C	CT	T				
rs1951795	C	CA	A	rs4934934	A	GA	G				

SNP	OR	CI	P	SNP	OR	CI	P
<b>rs658289</b>	0.0055	0.0048	0.0487	0.8782	0.7755	0.0031	0.0005
<b>rs6791507</b>	0.0051	0.0026	0.0139	0.1800	0.0429	0.0504	0.0008
<b>rs5759223</b>	0.0051	0.0296	0.0080	0.7555	0.0733	0.0044	0.0000
<b>rs613070</b>	0.0024	0.026	0.0670	0.7620	0.0455	0.0385	0.0174
<b>rs52552</b>	0.0022	0.018	0.0305	0.2909	0.0269	0.0032	0.0005
<b>rs503295</b>	0.0027	0.017	0.0319	0.0206	0.0210	0.1453	0.0017
<b>rs503945</b>	0.0042	0.053	0.0874	0.1538	0.0005	0.4994	0.3883
<b>rs3076669</b>	0.0286	0.008	0.5269	0.476	0.0037	0.5296	0.0599
<b>rs7737934</b>	0.0102	0.027	0.0643	0.2657	0.0207	0.0030	0.0005
<b>rs12545817</b>	0.0329	0.005	0.4834	0.2849	0.1788	0.2037	0.2529
<b>rs5951442</b>	0.0307	0.021	0.0488	0.9950	0.0902	0.4501	0.3737
<b>rs50561</b>	0.0394	0.022	0.0941	0.0040	0.5792	0.7000	0.2202
<b>rs304649</b>	0.1488	0.033	0.6312	0.0592	0.1837	0.1869	0.0005
<b>rs363061</b>	0.0328	0.054	0.6915	0.8100	0.6830	0.4460	0.2354
<b>rs10705282</b>	0.2095	0.058	0.6827	0.2396	0.0153	0.3038	0.0005
<b>rs1231900</b>	0.2259	0.045	0.7013	0.2869	0.5929	0.6721	0.0149
<b>rs489302</b>	0.1465	0.053	0.7791	0.7369	0.0199	0.2009	0.0101
<b>rs363058</b>	0.2453	0.053	0.7758	0.812	0.9559	0.3789	0.002
<b>rs3049774</b>	0.2696	0.064	0.8955	0.1301	0.0402	0.1645	0.0005
<b>rs250335</b>	0.431	0.127	0.8523	0.4786	0.2257	0.5208	0.0005
<b>rs30100444</b>	0.3837	0.038	0.7907	0.9861	0.0263	0.0143	0.0005
<b>rs5951741</b>	0.6039	0.077	0.1626	0.5430	0.720	0.7983	0.0005
<b>rs3088895</b>	0.6349	0.085	0.6046	0.5926	0.6029	0.2909	0.0005
<b>rs274072</b>	0.2777	0.053	0.2548	0.4507	0.5597	0.5697	0.0005
<b>rs693570</b>	0.8243	0.076	0.4043	0.9808	0.0441	0.6384	0.0005
<b>rs69974</b>	0.2939	0.093	0.6625	0.5822	0.6541	0.3841	0.0005
<b>rs268486</b>	0.3183	0.061	0.8100	0.9304	0.3751	0.1796	0.0005
<b>rs752120</b>	0.8869	0.101	0.3713	0.2869	0.5929	0.6721	0.0005
<b>rs178608</b>	0.6418	0.061	0.9899	0.7822	0.3319	0.2020	0.0005
<b>rs592036</b>	0.4024	0.1264	0.7108	0.6909	0.1198	0.734	0.0005
<b>rs239494</b>	0.1888	0.065	0.6818	0.3322	0.0222	0.0005	0.0005
<b>rs595402</b>	0.9492	0.142	0.3120	0.1256	0.9800	0.9256	0.0005
<b>rs383052</b>	0.6022	0.1489	0.3127	0.3881	0.0637	0.0563	0.0005
<b>rs7957</b>	0.9099	0.1495	0.9639	0.7626	0.6720	0.1336	0.0005
<b>rs595135</b>	0.3396	0.164	0.8999	0.4403	0.4777	0.9990	0.0005
<b>rs5751395</b>	0.8657	0.1693	0.9354	0.9325	0.2008	0.9812	0.0005
<b>rs789545</b>	0.9891	0.1744	0.9794	0.4611	0.5811	0.3959	0.0005
<b>rs699694</b>	0.3380	0.1898	0.4627	0.7824	0.9420	0.6928	0.0005
<b>rs7967649</b>	0.3888	0.210	0.9649	0.0307	0.8280	0.1232	0.0005
<b>rs308991</b>	0.4483	0.227	0.9802	0.5776	0.701	0.5899	0.0005
<b>rs3045519</b>	0.7154	0.227	0.9840	0.9380	0.2361	0.4889	0.0005
<b>rs381874</b>	0.0969	0.203	0.6161	0.8527	0.4683	0.4938	0.0005
<b>rs207065</b>	0.5288	0.215	0.8427	0.8956	0.264	0.5743	0.0005
<b>rs575073</b>	0.3183	0.2221	0.1826	0.7925	0.1425	0.0798	0.0005
<b>rs204923</b>	0.1153	0.215	0.752	0.162	0.1978	0.0778	0.0005
<b>rs1126643</b>	0.5844	0.2283	0.9861	0.4258	0.8128	0.3006	0.0005
<b>rs5025</b>	0.7978	0.2387	0.3468	0.5688	0.282	0.7833	0.0005
<b>rs222995</b>	0.7330	0.2402	0.6999	0.9744	0.0653	0.6180	0.0005
<b>rs3048281</b>	0.7131	0.251	0.8165	0.3162	0.6169	0.1616	0.0005
<b>rs796730</b>	0.4741	0.2469	0.9783	0.9867	0.2966	0.514	0.0005
<b>rs153120</b>	0.3486	0.280	0.3156	0.9412	0.027	0.6139	0.0005
<b>rs3043017</b>	0.6185	0.2799	0.9878	0.5356	0.2717	0.4627	0.0005
<b>rs754547</b>	0.6677	0.282	0.7143	0.940	0.397	0.937	0.0005
<b>rs1133078</b>	0.2175	0.2825	0.3111	0.2183	0.3784	0.1147	0.0005
<b>rs573288</b>	0.4233	0.2841	0.9396	0.6595	0.6179	0.1049	0.0005
<b>rs239594</b>	0.3824	0.2845	0.9876	0.4228	0.3619	0.1153	0.0005
<b>rs1705525</b>	0.7266	0.2854	0.7782	0.9404	0.9507	0.9131	0.0005
<b>rs594942</b>	0.2805	0.2988	0.2202	0.3534	0.7114	0.1900	0.0005
<b>rs130467</b>	0.5219	0.3101	0.4747	0.7598	0.7586	0.3393	0.0005
<b>rs307821</b>	0.4355	0.3169	0.277	0.6868	0.6805	0.9985	0.0005
<b>rs383046</b>	0.7933	0.3211	0.2671	0.0058	0.6796	0.3941	0.0005
<b>rs5951436</b>	0.8973	0.3287	0.8811	0.5046	0.312	0.4644	0.0005
<b>rs48002</b>	0.0737	0.334	0.7728	0.496	0.3359	0.5162	0.0005
<b>rs232588</b>	0.5598	0.3389	0.277	0.6868	0.6805	0.9985	0.0005
<b>rs69169</b>	0.9235	0.3444	0.1127	0.6052	0.8320	0.2653	0.0005
<b>rs1264963</b>	0.0354	0.3490	0.6226	0.8913	0.2389	0.8054	0.0005
<b>rs373061</b>	0.1633	0.365	0.9392	0.5881	0.7886	0.6227	0.0005
<b>rs7967291</b>	0.9589	0.3679	0.9876	0.3931	0.5812	0.6149	0.0005
<b>rs1531289</b>	0.9259	0.3622	0.9540	0.6027	0.9707	0.2472	0.0005
<b>rs2071539</b>	0.4887	0.3997	0.1859	0.4740	0.7175	0.3889	0.0005
<b>rs7959756</b>	0.4395	0.397	0.1920	0.1511	0.6469	0.8189	0.0005
<b>rs691120</b>	0.8596	0.4212	0.6583	0.4226	0.3814	0.3814	0.0005
<b>rs183009</b>	0.8192	0.4414	0.9898	0.2908	1.396	0.8076	0.0005
<b>rs573829</b>	0.6792	0.4481	0.9699	0.9321	0.5997	0.2060	0.0005
<b>rs692998</b>	0.5223	0.451	0.9492	0.3109	0.7838	0.3109	0.0005
<b>rs280448</b>	0.5598	0.4623	0.1472	0.2163	0.2552	0.881	0.0005
<b>rs282663</b>	0.7793	0.4622	0.1677	0.8746	0.264	0.8870	0.0005
<b>rs7967298</b>	0.6965	0.4935	0.1985	0.2471	0.8028	0.3877	0.0005
<b>rs1138066</b>	0.0005	0.0001	0.0001	0.8782	0.7802	0.7375	0.0005
<b>rs144838</b>	0.2879	0.0151	0.2738	0.3304	0.8833	0.4508	0.0005
<b>rs9930414</b>	0.9495	0.5146	0.0129	0.0676	0.5953	0.3917	0.0005
<b>rs1131066</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs1131067</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs144838</b>	0.2879	0.0151	0.2738	0.3304	0.8833	0.4508	0.0005
<b>rs1245670</b>	0.9495	0.5146	0.0129	0.0676	0.5953	0.3917	0.0005
<b>rs1245671</b>	0.9495	0.5146	0.0129	0.0676	0.5953	0.3917	0.0005
<b>rs2634780</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634781</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634782</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634783</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634784</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634785</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634786</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634787</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634788</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634789</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634790</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634791</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634792</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634793</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634794</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634795</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634796</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634797</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634798</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634799</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634800</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634801</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634802</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634803</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634804</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634805</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634806</b>	0.2893	0.5326	0.1238	0.5659	0.3909	0.4102	0.0005
<b>rs2634807</b>							