

Supplementary Table 1.

Genotyped *CTNBL1* SNPs and their association with BMI and fat mass  
in U.S. Caucasians

Name	Position	Role	Allele	MAF <sup>a</sup>	MAF <sup>b</sup>	P value <sup>c</sup>	
						BMI	Fat mass
rs16986890	35759937	Intron1	A/G	0.08	0.07	1.38 x 10 <sup>-04</sup>	3.11 x 10 <sup>-05</sup>
rs6020339	35765409	Intron1	T/C	0.37	0.32	3.05 x 10 <sup>-02</sup>	7.05 x 10 <sup>-03</sup>
rs6020395	35772738	Intron1	G/C	0.06	0.07	3.46 x 10 <sup>-05</sup>	7.71 x 10 <sup>-06</sup>
rs6067491	35807549	Intron3	A/G	0.33	0.27	9.49 x 10 <sup>-01</sup>	5.50 x 10 <sup>-01</sup>
rs2297154	35808485	Intron4 (boundary)	C/T	0.06	0.02	5.17 x 10 <sup>-01</sup>	7.51 x 10 <sup>-01</sup>
<b>rs16986921</b>	<b>35815935</b>	<b>Intron4 (boundary)</b>	<b>C/T</b>	<b>0.06</b>	<b>0.05</b>	<b>5.88 x 10<sup>-07</sup></b>	<b>6.54 x 10<sup>-08</sup></b>
<b>rs6020712</b>	<b>35820026</b>	<b>Intron5</b>	<b>G/A</b>	<b>0.07</b>	<b>0.05</b>	<b>7.92 x 10<sup>-07</sup></b>	<b>1.20 x 10<sup>-07</sup></b>
<b>rs6013029</b>	<b>35832994</b>	<b>Intron7</b>	<b>G/T</b>	<b>0.06</b>	<b>0.05</b>	<b>2.69 x 10<sup>-07</sup></b>	<b>4.99 x 10<sup>-08</sup></b>
rs6020846	35839081	Intron7 (boundary)	A/G	0.08	0.07	2.45 x 10 <sup>-05</sup>	7.01 x 10 <sup>-06</sup>
rs6067638	35856110	Intron10	G/A	0.33	0.28	7.09 x 10 <sup>-01</sup>	8.08 x 10 <sup>-01</sup>
rs2281146	35868271	Intron11	G/A	0.20	0.19	6.58 x 10 <sup>-01</sup>	9.93 x 10 <sup>-01</sup>
rs6067731	35878290	Intron11	C/T	0.34	0.32	9.10 x 10 <sup>-01</sup>	8.54 x 10 <sup>-01</sup>
rs2235478	35894982	Intron11	C/G	0.19	0.19	3.65 x 10 <sup>-01</sup>	6.51 x 10 <sup>-01</sup>
rs17786860	35901053	Intron11	G/A	0.18	0.19	3.63 x 10 <sup>-01</sup>	8.72 x 10 <sup>-01</sup>
rs4239666	35905013	Intron13	C/A	0.19	0.19	4.39 x 10 <sup>-01</sup>	8.47 x 10 <sup>-01</sup>
rs4811199	35905087	Intron13	C/T	0.20	0.19	3.27 x 10 <sup>-01</sup>	6.65 x 10 <sup>-01</sup>
rs2179319	35905168	Intron13	A/G	0.19	0.19	2.47 x 10 <sup>-01</sup>	5.84 x 10 <sup>-01</sup>
rs2179320	35905199	Intron13	C/T	0.20	0.19	2.47 x 10 <sup>-01</sup>	6.25 x 10 <sup>-01</sup>
rs6067831	35905482	Intron13	G/T	0.19	0.19	3.50 x 10 <sup>-01</sup>	7.13 x 10 <sup>-01</sup>
rs4809859	35911642	Intron13	G/T	0.19	0.18	2.31 x 10 <sup>-01</sup>	6.29 x 10 <sup>-01</sup>
rs6096513	35911699	Intron13	A/C	0.35	0.36	9.90 x 10 <sup>-01</sup>	9.12 x 10 <sup>-01</sup>
rs4811210	35912877	Intron13	G/A	0.19	0.19	3.24 x 10 <sup>-01</sup>	6.96 x 10 <sup>-01</sup>
rs4811211	35913041	Intron13	T/C	0.19	0.15	4.92 x 10 <sup>-01</sup>	8.72 x 10 <sup>-01</sup>
rs6021357	35913673	Intron13	C/T	0.19	0.19	3.95 x 10 <sup>-01</sup>	8.10 x 10 <sup>-01</sup>
rs2206135	35914069	Intron13	C/T	0.41	0.43	4.34 x 10 <sup>-01</sup>	2.02 x 10 <sup>-01</sup>
rs2235461	35914397	Intron13	T/C	0.19	0.19	4.36 x 10 <sup>-01</sup>	8.46 x 10 <sup>-01</sup>
rs2235460	35914457	Intron13	C/T	0.40	0.43	5.08 x 10 <sup>-01</sup>	2.63 x 10 <sup>-01</sup>
rs4811246	35929171	Intron15	G/A	0.25	0.25	2.43 x 10 <sup>-01</sup>	7.37 x 10 <sup>-02</sup>
rs4809875	35936717	3' UTR	C/T	0.35	0.32	9.77 x 10 <sup>-01</sup>	9.40 x 10 <sup>-01</sup>
rs6021615	35947566	Promoter	C/T	0.45	0.47	2.35 x 10 <sup>-01</sup>	1.28 x 10 <sup>-01</sup>
rs6021618	35947970	Promoter	C/T	0.45	0.47	1.89 x 10 <sup>-01</sup>	1.17 x 10 <sup>-01</sup>
rs6096781	35960629	Promoter	T/C	0.09	0.08	1.39 x 10 <sup>-02</sup>	3.43 x 10 <sup>-03</sup>

- Minor allele frequency in our U.S. Caucasian sample.
- Minor allele frequency reported for Caucasians in the public database of HapMap CEU.
- Raw *P* values.

## Supplementary Table 2.

### Association data for the imputed SNPs at the *CTNBL1* locus in U.S. Caucasians

BMI			Fat mass		
SNP	P Value	FDR q value	SNP	P Value	FDR q value
rs6013337	0.088	1	rs4811243	0.031	1
rs4811243	0.088	1	rs6013337	0.031	1
rs6095912	0.167	1	rs6021294	0.057	1
rs6123116	0.208	1	rs4574168	0.060	1
rs4811280	0.208	1	rs6067812	0.060	1
rs4811278	0.208	1	rs6013118	0.064	1
rs4811279	0.208	1	rs6021080	0.064	1
rs6021294	0.221	1	rs6021087	0.064	1
rs6021354	0.222	1	rs4811144	0.064	1
rs6021353	0.222	1	rs4811278	0.066	1
rs2235463	0.222	1	rs4811279	0.066	1
rs6096498	0.222	1	rs4811280	0.066	1
rs6096517	0.222	1	rs6123116	0.066	1
rs2235465	0.222	1	rs6068069	0.123	1
rs6126267	0.222	1	rs1569938	0.123	1
rs6067812	0.227	1	rs6126459	0.123	1
rs4574168	0.227	1	rs6021669	0.143	1
rs6013118	0.237	1	rs8121564	0.161	1
rs6021080	0.237	1	rs6063736	0.196	1
rs6021087	0.237	1	rs6068029	0.196	1
rs4811144	0.237	1	rs6096498	0.208	1
rs6067525	0.247	1	rs6021354	0.208	1
rs6063736	0.289	1	rs6021353	0.208	1
rs6068029	0.289	1	rs2235463	0.208	1
rs6126459	0.298	1	rs2235465	0.208	1
rs6068069	0.298	1	rs6126267	0.208	1
rs1569938	0.298	1	rs6096517	0.208	1
rs8121564	0.318	1	rs6068062	0.208	1
rs6021669	0.322	1	rs6096313	0.215	1
rs6126457	0.406	1	rs6021025	0.215	1
rs1543332	0.407	1	rs6021423	0.227	1
rs6021283	0.407	1	rs11699932	0.227	1
rs9679781	0.407	1	rs6021475	0.227	1
rs6013215	0.407	1	rs7263889	0.227	1
rs6013216	0.407	1	rs6063714	0.227	1
rs6068062	0.427	1	rs2880988	0.227	1
rs4811247	0.469	1	rs4809868	0.227	1
rs717599	0.469	1	rs910760	0.227	1
rs4811231	0.469	1	rs717599	0.227	1
rs6021423	0.469	1	rs6126401	0.227	1
rs4809868	0.469	1	rs4811231	0.227	1
rs6021475	0.469	1	rs4811247	0.227	1
rs910760	0.469	1	rs6091331	0.227	1
rs2880988	0.469	1	rs7269931	0.227	1
rs7263889	0.469	1	rs6021536	0.235	1

rs6063714	0.469	1	rs6021378	0.235	1
rs6126401	0.469	1	rs6067889	0.235	1
rs11699932	0.469	1	rs8123046	0.235	1
rs8123046	0.484	1	rs11696760	0.239	1
rs6021536	0.484	1	rs6020987	0.264	1
rs6067889	0.484	1	rs6126457	0.270	1
rs6021378	0.484	1	rs6067495	0.280	1
rs11696760	0.495	1	rs6122978	0.280	1
rs6096313	0.552	1	rs6020740	0.280	1
rs6021025	0.552	1	rs6096451	0.280	1
rs6091331	0.571	1	rs6021221	0.280	1
rs7269931	0.571	1	rs6021634	0.355	1
rs6020987	0.650	1	rs6067393	0.356	1
rs6096451	0.674	1	rs6095981	0.356	1
rs6067495	0.674	1	rs17724627	0.356	1
rs6020740	0.674	1	rs6067482	0.356	1
rs6122978	0.674	1	rs6126043	0.356	1
rs6021221	0.674	1	rs6095912	0.373	1
rs6021634	0.731	1	rs6096512	0.375	1
rs6096512	0.732	1	rs6068059	0.392	1
rs11699759	0.733	1	rs13044362	0.405	1
rs6021349	0.733	1	rs7265129	0.405	1
rs6020422	0.755	1	rs6012862	0.410	1
rs6068059	0.781	1	rs6125954	0.410	1
rs6123033	0.788	1	rs6095813	0.410	1
rs4811112	0.819	1	rs6021399	0.424	1
rs6020983	0.819	1	rs6013249	0.424	1
rs6091365	0.828	1	rs6021392	0.424	1
rs6096637	0.828	1	rs12151942	0.426	1
rs17725083	0.828	1	rs16987016	0.426	1
rs6126334	0.828	1	rs11086362	0.426	1
rs6096607	0.828	1	rs6091397	0.426	1
rs6096659	0.828	1	rs6067981	0.426	1
rs6126376	0.828	1	rs909771	0.426	1
rs2235477	0.833	1	rs6095815	0.469	1
rs6096442	0.833	1	rs6067525	0.479	1
rs926394	0.833	1	rs6091365	0.605	1
rs6021212	0.833	1	rs6126376	0.605	1
rs17724914	0.833	1	rs6096607	0.605	1
rs6021030	0.833	1	rs17725083	0.605	1
rs6123043	0.833	1	rs6126334	0.605	1
rs7268511	0.833	1	rs6096637	0.605	1
rs238306	0.833	1	rs6096659	0.605	1
rs6123046	0.833	1	rs10485479	0.667	1
rs2294439	0.833	1	rs6096185	0.667	1
rs6021257	0.833	1	rs6013088	0.667	1
rs6021054	0.833	1	rs6126084	0.667	1
rs2235472	0.833	1	rs238306	0.696	1
rs2235473	0.833	1	rs6021030	0.696	1
rs6021088	0.833	1	rs6021212	0.696	1

rs6095981	0.842	1	rs2235477	0.696	1
rs6067393	0.842	1	rs6096442	0.696	1
rs6067482	0.842	1	rs17724914	0.696	1
rs17724627	0.842	1	rs6021257	0.696	1
rs6126043	0.842	1	rs6021054	0.696	1
rs6067506	0.855	1	rs7268511	0.696	1
rs238302	0.855	1	rs2294439	0.696	1
rs6021392	0.875	1	rs6123043	0.696	1
rs6013249	0.875	1	rs6021088	0.696	1
rs6021399	0.875	1	rs6123046	0.696	1
rs909771	0.878	1	rs2235473	0.696	1
rs12151942	0.878	1	rs2235472	0.696	1
rs6091397	0.878	1	rs926394	0.696	1
rs6067981	0.878	1	rs238302	0.732	1
rs11086362	0.878	1	rs6067506	0.732	1
rs16987016	0.878	1	rs6020983	0.732	1
rs6125954	0.884	1	rs4811112	0.732	1
rs6095813	0.884	1	rs6123033	0.750	1
rs6012862	0.884	1	rs9679781	0.787	1
rs6096185	0.886	1	rs6013216	0.787	1
rs6126084	0.886	1	rs6013215	0.787	1
rs10485479	0.886	1	rs1543332	0.787	1
rs6013088	0.886	1	rs6021283	0.787	1
rs13044362	0.924	1	rs6020422	0.810	1
rs7265129	0.924	1	rs11699759	0.994	1
rs6095815	0.926	1	rs6021349	0.994	1
rs6091322	1	1	rs4811182	1	1
rs6021213	1	1	rs6021198	1	1
rs6091321	1	1	rs6091321	1	1
rs2294440	1	1	rs6021211	1	1
rs6021211	1	1	rs6013188	1	1
rs2235474	1	1	rs6091322	1	1
rs6096486	1	1	rs4811175	1	1
rs6013209	1	1	rs2294440	1	1
rs4811175	1	1	rs6096486	1	1
rs4811182	1	1	rs6021216	1	1
rs2235471	1	1	rs6091328	1	1
rs6013188	1	1	rs6021284	1	1
rs6096461	1	1	rs17724926	1	1
rs6021198	1	1	rs4811194	1	1
rs2072909	1	1	rs6123042	1	1
rs6091328	1	1	rs4811196	1	1
rs4811196	1	1	rs6013209	1	1
rs4811194	1	1	rs2235479	1	1
rs2235479	1	1	rs1546868	1	1
rs6013217	1	1	rs6013217	1	1
rs1546868	1	1	rs1546869	1	1
rs2294441	1	1	rs6096446	1	1
rs6013221	1	1	rs2072909	1	1
rs6021216	1	1	rs6013221	1	1

rs6123042	1	1	rs2235471	1	1
rs1546869	1	1	rs16986967	1	1
rs6096446	1	1	rs6021213	1	1
rs16986967	1	1	rs6021235	1	1
rs6021235	1	1	rs6126377	1	1
rs6126377	1	1	rs6096666	1	1
rs6096666	1	1	rs6126402	1	1
rs6126402	1	1	rs4809878	1	1
rs4809878	1	1	rs6021548	1	1
rs6021548	1	1	rs6126390	1	1
rs6126390	1	1	rs6068008	1	1
rs6068008	1	1	rs6126378	1	1
rs6126378	1	1	rs4811265	1	1
rs4811265	1	1	rs6512765	1	1
rs6512765	1	1	rs6021538	1	1
rs6021538	1	1	rs4809874	1	1
rs4809874	1	1	rs6068000	1	1
rs6068000	1	1	rs8122047	1	1
rs8122047	1	1	rs7270447	1	1
rs7270447	1	1	rs6096639	1	1
rs6096639	1	1	rs6067989	1	1
rs6067989	1	1	rs8117394	1	1
rs8117394	1	1	rs8121556	1	1
rs8121556	1	1	rs4809891	1	1
rs4809891	1	1	rs4811296	1	1
rs4811296	1	1	rs6126462	1	1
rs6126462	1	1	rs11086367	1	1
rs11086367	1	1	rs4811284	1	1
rs4811284	1	1	rs6126447	1	1
rs6126447	1	1	rs6068052	1	1
rs6068052	1	1	rs6096781	1	1
rs6096781	1	1	rs6021610	1	1
rs6021610	1	1	rs6013341	1	1
rs6013341	1	1	rs6021605	1	1
rs6021585	1	1	rs6021585	1	1
rs6126413	1	1	rs6126413	1	1
rs6096675	1	1	rs6096675	1	1
rs6091405	1	1	rs6091405	1	1
rs4809871	1	1	rs4809871	1	1
rs6021529	1	1	rs6021529	1	1
rs4811221	1	1	rs4811221	1	1
rs8117787	1	1	rs8117787	1	1
rs4811233	1	1	rs4811233	1	1
rs2235456	1	1	rs2235456	1	1
rs2235457	1	1	rs2235457	1	1
rs6021393	1	1	rs6021393	1	1
rs16986987	1	1	rs16986987	1	1
rs11700341	1	1	rs11700341	1	1
rs6021388	1	1	rs6021388	1	1
rs6126335	1	1	rs6126335	1	1

rs7270442	1	1	rs7270442	1	1
rs11698979	1	1	rs11698979	1	1
rs6067854	1	1	rs6067854	1	1
rs6013238	1	1	rs6013238	1	1
rs4811236	1	1	rs4811236	1	1
rs6067945	1	1	rs6067945	1	1
rs6091392	1	1	rs6091392	1	1
rs6067971	1	1	rs6067971	1	1
rs910759	1	1	rs910759	1	1
rs7354556	1	1	rs7354556	1	1
rs6096611	1	1	rs6096611	1	1
rs6096608	1	1	rs6096608	1	1
rs6021480	1	1	rs6021480	1	1
rs2344914	1	1	rs2344914	1	1
rs1106966	1	1	rs1106966	1	1
rs16987001	1	1	rs16987001	1	1
rs4811239	1	1	rs4811239	1	1
rs4811238	1	1	rs4811238	1	1
rs6067927	1	1	rs6067927	1	1
rs6021428	1	1	rs6021428	1	1
rs6067923	1	1	rs6067923	1	1
rs6091363	1	1	rs6091363	1	1
rs1474623	1	1	rs1474623	1	1
rs6096503	1	1	rs6096503	1	1
rs7264772	1	1	rs7264772	1	1
rs6096047	1	1	rs6096047	1	1
rs6096045	1	1	rs6096045	1	1
rs6126058	1	1	rs6126058	1	1
rs6020623	1	1	rs6020623	1	1
rs7270391	1	1	rs7270391	1	1
rs6020613	1	1	rs6020613	1	1
rs11906959	1	1	rs11906959	1	1
rs11905593	1	1	rs11905593	1	1
rs16986916	1	1	rs16986916	1	1
rs6122950	1	1	rs6122950	1	1
rs6020550	1	1	rs6020550	1	1
rs6126041	1	1	rs6126041	1	1
rs6020584	1	1	rs6020584	1	1
rs6126032	1	1	rs6126032	1	1
rs6091175	1	1	rs6091175	1	1
rs6126031	1	1	rs6126031	1	1
rs6095992	1	1	rs6095992	1	1
rs6020581	1	1	rs6020581	1	1
rs6063531	1	1	rs6063531	1	1
rs6020578	1	1	rs6020578	1	1
rs6067477	1	1	rs6067477	1	1
rs6020575	1	1	rs6020575	1	1
rs6126062	1	1	rs6126062	1	1
rs6063543	1	1	rs6063543	1	1
rs6067533	1	1	rs6067533	1	1

rs6067547	1	1	rs6067547	1	1
rs6126098	1	1	rs6126098	1	1
rs4274648	1	1	rs4274648	1	1
rs6020727	1	1	rs6020727	1	1
rs6126090	1	1	rs6126090	1	1
rs6020722	1	1	rs6020722	1	1
rs6020720	1	1	rs6020720	1	1
rs6067536	1	1	rs6067536	1	1
rs16986924	1	1	rs16986924	1	1
rs6067535	1	1	rs6067535	1	1
rs6067534	1	1	rs6067534	1	1
rs6126063	1	1	rs6126063	1	1
rs7265394	1	1	rs7265394	1	1
rs6067531	1	1	rs6067531	1	1
rs6067519	1	1	rs6067519	1	1
rs6063547	1	1	rs6063547	1	1
rs6067508	1	1	rs6067508	1	1
rs6063545	1	1	rs6063545	1	1
rs1330020	1	1	rs1330020	1	1
rs6067505	1	1	rs6067505	1	1
rs11907605	1	1	rs11907605	1	1
rs6126066	1	1	rs6126066	1	1
rs6096105	1	1	rs6096105	1	1
rs6020326	1	1	rs6020326	1	1
rs6067370	1	1	rs6067370	1	1
rs6091111	1	1	rs6091111	1	1
rs6020360	1	1	rs6020360	1	1
rs1884635	1	1	rs1884635	1	1
rs6012874	1	1	rs6012874	1	1
rs6020351	1	1	rs6020351	1	1
rs6020340	1	1	rs6020340	1	1
rs6020338	1	1	rs6020338	1	1
rs6020337	1	1	rs6020337	1	1
rs6095807	1	1	rs6095807	1	1
rs6020279	1	1	rs6020279	1	1
rs6020325	1	1	rs6020325	1	1
rs6012863	1	1	rs6012863	1	1
rs6012860	1	1	rs6012860	1	1
rs6091103	1	1	rs6091103	1	1
rs8124690	1	1	rs8124690	1	1
rs6067361	1	1	rs6067361	1	1
rs6020294	1	1	rs6020294	1	1
rs6125916	1	1	rs6125916	1	1
rs6020286	1	1	rs6020286	1	1
rs6020280	1	1	rs6020280	1	1
rs13037287	1	1	rs13037287	1	1
rs12624423	1	1	rs12624423	1	1
rs8184210	1	1	rs8184210	1	1
rs6122902	1	1	rs6122902	1	1
rs6122935	1	1	rs6122935	1	1

rs6126011	1	1	rs6126011	1	1
rs8183239	1	1	rs8183239	1	1
rs6095953	1	1	rs6095953	1	1
rs6126002	1	1	rs6126002	1	1
rs6122929	1	1	rs6122929	1	1
rs6095926	1	1	rs6095926	1	1
rs6125996	1	1	rs6125996	1	1
rs6122920	1	1	rs6122920	1	1
rs6125984	1	1	rs6125984	1	1
rs4811030	1	1	rs4811030	1	1
rs6125949	1	1	rs6125949	1	1
rs6067400	1	1	rs6067400	1	1
rs6095861	1	1	rs6095861	1	1
rs6020419	1	1	rs6020419	1	1
rs6012889	1	1	rs6012889	1	1
rs6125962	1	1	rs6125962	1	1
rs6125959	1	1	rs6125959	1	1
rs6125957	1	1	rs6125957	1	1
rs6125953	1	1	rs6125953	1	1
rs6067377	1	1	rs6067377	1	1
rs6020386	1	1	rs6020386	1	1
rs6067463	1	1	rs6067463	1	1
rs6021053	1	1	rs6021053	1	1
rs6512714	1	1	rs6512714	1	1
rs6021081	1	1	rs6021081	1	1
rs6126202	1	1	rs6126202	1	1
rs4811143	1	1	rs4811143	1	1
rs6013121	1	1	rs6013121	1	1
rs6013120	1	1	rs6013120	1	1
rs6021067	1	1	rs6021067	1	1
rs6021063	1	1	rs6021063	1	1
rs2294442	1	1	rs2294442	1	1
rs6021061	1	1	rs6021061	1	1
rs6021055	1	1	rs6021055	1	1
rs6020989	1	1	rs6020989	1	1
rs4811129	1	1	rs4811129	1	1
rs6067679	1	1	rs6067679	1	1
rs6021041	1	1	rs6021041	1	1
rs2281148	1	1	rs2281148	1	1
rs6021024	1	1	rs6021024	1	1
rs6063608	1	1	rs6063608	1	1
rs6091271	1	1	rs6091271	1	1
rs6013099	1	1	rs6013099	1	1
rs6091265	1	1	rs6091265	1	1
rs8114040	1	1	rs8114040	1	1
rs6020998	1	1	rs6020998	1	1
rs6063617	1	1	rs6063617	1	1
rs6013130	1	1	rs6013130	1	1
rs6021143	1	1	rs6021143	1	1
rs6013181	1	1	rs6013181	1	1

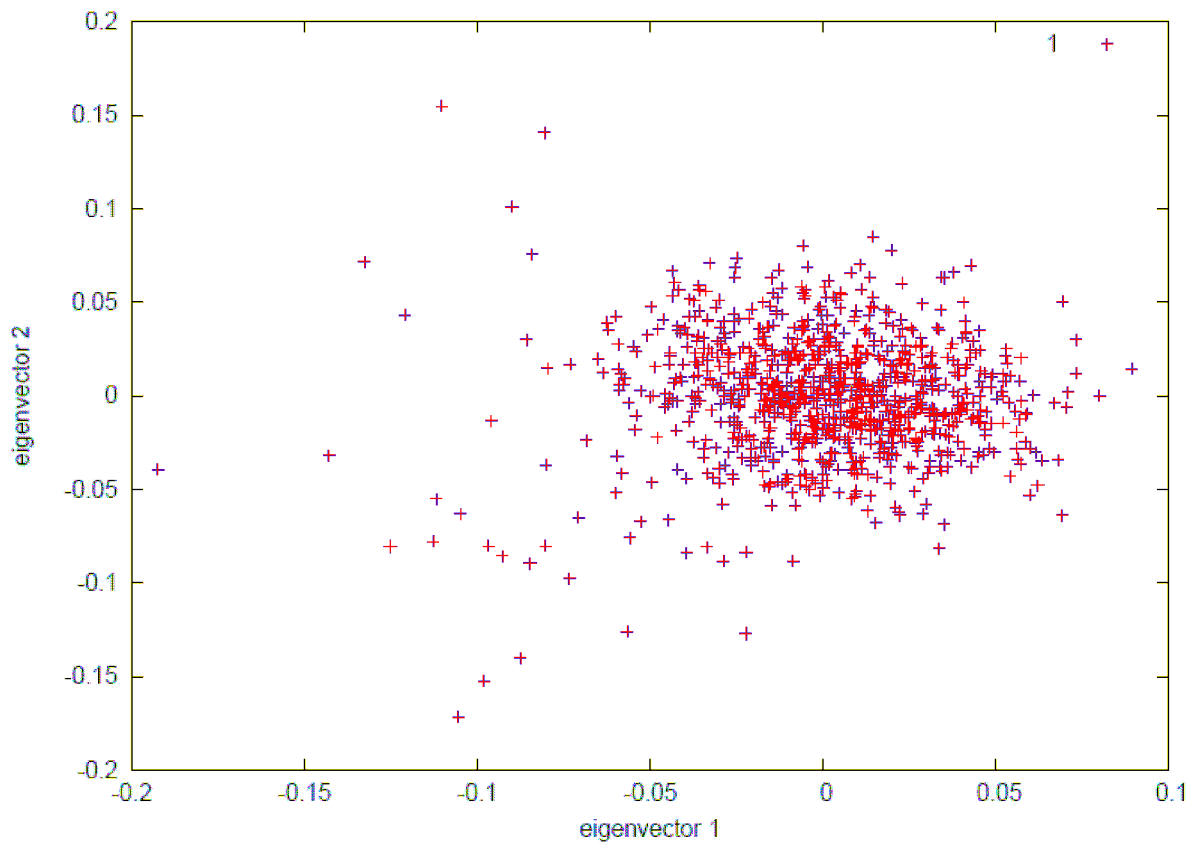


rs6096418	1	1	rs6096418	1	1
rs6013180	1	1	rs6013180	1	1
rs6021173	1	1	rs6021173	1	1
rs6126218	1	1	rs6126218	1	1
rs6126217	1	1	rs6126217	1	1
rs6126216	1	1	rs6126216	1	1
rs6091306	1	1	rs6091306	1	1
rs6096390	1	1	rs6096390	1	1
rs6096389	1	1	rs6096389	1	1
rs6021144	1	1	rs6021144	1	1
rs6021096	1	1	rs6021096	1	1
rs7268201	1	1	rs7268201	1	1
rs6013147	1	1	rs6013147	1	1
rs7344636	1	1	rs7344636	1	1
rs6013140	1	1	rs6013140	1	1
rs6123009	1	1	rs6123009	1	1
rs6021111	1	1	rs6021111	1	1
rs7344903	1	1	rs7344903	1	1
rs6013134	1	1	rs6013134	1	1
rs6013133	1	1	rs6013133	1	1
rs6021097	1	1	rs6021097	1	1
rs7273171	1	1	rs7273171	1	1
rs6020821	1	1	rs6020821	1	1
rs6096187	1	1	rs6096187	1	1
rs238301	1	1	rs238301	1	1
rs238300	1	1	rs238300	1	1
rs238299	1	1	rs238299	1	1
rs6067583	1	1	rs6067583	1	1
rs6013038	1	1	rs6013038	1	1
rs6067582	1	1	rs6067582	1	1
rs6067581	1	1	rs6067581	1	1
rs7344607	1	1	rs7344607	1	1
rs6096147	1	1	rs6096147	1	1
rs7262900	1	1	rs7262900	1	1
rs6096145	1	1	rs6096145	1	1
rs6091227	1	1	rs6091227	1	1
rs6067570	1	1	rs6067570	1	1
rs6013024	1	1	rs6013024	1	1
rs6020780	1	1	rs6020780	1	1
rs6020773	1	1	rs6020773	1	1
rs11905689	1	1	rs11905689	1	1
rs6020758	1	1	rs6020758	1	1
rs6020753	1	1	rs6020753	1	1
rs6096107	1	1	rs6096107	1	1
rs6096188	1	1	rs6096188	1	1
rs6020852	1	1	rs6020852	1	1
rs6020928	1	1	rs6020928	1	1
rs6067647	1	1	rs6067647	1	1
rs7267169	1	1	rs7267169	1	1
rs6013087	1	1	rs6013087	1	1

rs6512698	1	1	rs6512698	1	1
rs6020969	1	1	rs6020969	1	1
rs7273920	1	1	rs7273920	1	1
rs8124963	1	1	rs8124963	1	1
rs6512695	1	1	rs6512695	1	1
rs6020938	1	1	rs6020938	1	1
rs238309	1	1	rs238309	1	1
rs6067617	1	1	rs6067617	1	1
rs6067593	1	1	rs6067593	1	1
rs6126146	1	1	rs6126146	1	1
rs6067609	1	1	rs6067609	1	1
rs238308	1	1	rs238308	1	1
rs238307	1	1	rs238307	1	1
rs6096206	1	1	rs6096206	1	1
rs238303	1	1	rs238303	1	1
rs6020863	1	1	rs6020863	1	1
rs6013045	1	1	rs6013045	1	1
rs6020862	1	1	rs6020862	1	1
rs6020860	1	1	rs6020860	1	1
rs6067595	1	1	rs6067595	1	1
rs8126174	1	1	rs8126174	1	1

---

**Note:** The imputation was performed from rs16986890 to rs6096781, covering a region of 200,692bp containing 448 SNPs in the HapMap database (19,21). The imputation was performed using the software IMPUTE (22).



**Supplementary Figure 1.** The top 2 significant eigenvectors in the U.S. Caucasian sample.