

## Supplementary Table 1

Summary of results for the genotyped and imputed SNPs in COGA and SAGE datasets sorted in ascending order on COGA P values ( $P < 1 \times 10^{-4}$ )

SNP	CHR	BP	A1	A2	Gene	Geno/Imp	MAF <sup>a</sup>	P COGA	P SAGE	Dir <sup>b</sup>
rs9523520	13	87499244	C	T	5' RP11-366K1.1-001	Imp	0.47	2.12E-06	8.05E-01	++
rs4420385	13	87501789	A	T	5' RP11-366K1.1-001	Imp	0.47	2.12E-06	8.15E-01	--
rs4238296	13	87506446	G	A	5' RP11-366K1.1-001	Imp	0.47	2.12E-06	8.18E-01	++
rs9523562	13	87511042	G	A	5' RP11-366K1.1-001	Imp	0.47	2.12E-06	7.83E-01	++
rs7982268	13	87532943	G	A	5' RP11-366K1.1-001	G	0.47	2.59E-06	6.73E-01	++
rs4773640	13	87474932	T	G	5' RP11-366K1.1-001	Imp	0.46	3.06E-06	6.15E-01	--
rs9556166	13	87514739	G	T	5' RP11-366K1.1-001	Imp	0.46	3.24E-06	7.51E-01	++
rs9556167	13	87514778	G	A	5' RP11-366K1.1-001	Imp	0.46	3.24E-06	7.32E-01	++
rs7330816	13	87534747	G	A	5' RP11-366K1.1-001	Imp	0.46	3.51E-06	7.78E-01	++
rs2283970	22	36970287	C	T	CACNG2	G	0.33	3.86E-06	7.20E-01	++
rs9561016	13	87518870	G	T	5' RP11-366K1.1-001	Imp	0.46	3.96E-06	7.40E-01	++
rs12891829	14	101278822	T	A	Near MEG6	Imp	0.19	3.98E-06	5.57E-01	+-
rs4238298	13	87527893	T	C	5' RP11-366K1.1-001	Imp	0.46	4.10E-06	6.85E-01	--
chr12:77157	12	77157173	T	G	ZDHHC17	Imp	0.19	4.90E-06	6.93E-01	++
chr12:77165	12	77165733	C	A	ZDHHC17	Imp	0.19	5.63E-06	6.66E-01	--
chr12:77178	12	77178288	A	G	ZDHHC17	Imp	0.20	6.10E-06	6.92E-01	++
chr12:77179	12	77179491	T	C	ZDHHC17	Imp	0.20	6.10E-06	6.44E-01	++
rs636133	6	71026091	T	G	NA	Imp	0.21	6.35E-06	5.34E-01	+-
chr12:77258	12	77258106	C	A	ZDHHC17	Imp	0.20	6.43E-06	6.58E-01	--
rs651441	6	71025017	T	G	NA	Imp	0.21	6.68E-06	5.21E-01	+-
rs536680	6	71025030	C	A	NA	Imp	0.21	6.68E-06	5.23E-01	+-
rs223592	6	143725481	T	C	NA	G	0.09	6.79E-06	9.05E-01	--
rs652835	6	71024675	C	G	NA	Imp	0.21	6.84E-06	5.21E-01	+-
chr12:77258	12	77258373	G	A	ZDHHC17	Imp	0.20	6.95E-06	6.53E-01	--
chr12:77172	12	77172095	A	G	ZDHHC17	Imp	0.20	7.24E-06	6.89E-01	++
chr12:77172	12	77172378	A	G	ZDHHC17	Imp	0.20	7.24E-06	6.80E-01	++
chr12:77174	12	77174623	T	C	ZDHHC17	Imp	0.20	7.24E-06	6.45E-01	++
rs2369350	12	77176149	G	C	ZDHHC17	Imp	0.20	7.24E-06	6.45E-01	--
chr17:73288	17	73288214	C	G	FV527545	Imp	0.07	7.30E-06	1.89E-01	+-
chr17:73289	17	73289068	T	C	FV527545	Imp	0.07	7.30E-06	1.84E-01	+-
rs1890533	6	148844714	A	G	SASH1	Imp	0.43	7.48E-06	9.72E-01	+-
chr12:77200	12	77200136	A	G	ZDHHC17	Imp	0.19	7.60E-06	7.35E-01	++
rs9515993	13	87478483	G	C	5' RP11-366K1.1-001	Imp	0.47	7.86E-06	5.78E-01	++
rs9515995	13	87479611	T	C	5' RP11-366K1.1-001	Imp	0.47	7.86E-06	5.70E-01	--
rs7337025	13	87481267	T	C	5' RP11-366K1.1-001	Imp	0.47	7.86E-06	5.55E-01	--
rs9560893	13	87481783	G	T	5' RP11-366K1.1-001	Imp	0.47	7.86E-06	5.65E-01	++
rs9560911	13	87490783	C	T	5' RP11-366K1.1-001	Imp	0.47	7.93E-06	7.55E-01	++
chr12:77260	12	77260362	A	G	ZDHHC17	Imp	0.20	8.01E-06	6.54E-01	++
rs7984450	13	87476225	T	G	5' RP11-366K1.1-001	Imp	0.47	8.21E-06	5.84E-01	--
rs4287439	13	87475513	A	G	5' RP11-366K1.1-001	Imp	0.47	8.29E-06	5.95E-01	--
rs9556132	13	87476060	C	T	5' RP11-366K1.1-001	Imp	0.47	8.29E-06	5.72E-01	++
rs9516118	13	87552124	G	T	5' RP11-366K1.1-001	Imp	0.46	8.31E-06	9.17E-01	++
chr12:77261	12	77261749	T	C	ZDHHC17	Imp	0.19	8.32E-06	6.50E-01	++
rs3015543	13	87469947	A	G	5' RP11-366K1.1-001	Imp	0.47	8.38E-06	6.26E-01	--
rs3015512	13	87471178	C	A	5' RP11-366K1.1-001	Imp	0.47	8.38E-06	6.30E-01	++
rs863809	3	183450134	A	G	YEATS2	Imp	0.43	9.03E-06	8.41E-01	--
rs528480	6	71019344	G	A	NA	Imp	0.21	9.17E-06	4.79E-01	+-
rs262982	3	183452125	A	G	YEATS2	G	0.43	9.25E-06	7.99E-01	--
rs262981	3	183452161	A	G	YEATS2	Imp	0.43	9.25E-06	8.10E-01	--
rs262980	3	183452215	G	A	YEATS2	Imp	0.43	9.25E-06	8.15E-01	++
rs262979	3	183453814	G	A	YEATS2	Imp	0.43	9.25E-06	8.14E-01	++
rs17813667	12	77190363	T	G	ZDHHC17	Imp	0.20	9.33E-06	6.34E-01	++
rs166398	3	183446977	A	G	YEATS2	Imp	0.43	9.34E-06	7.67E-01	--
rs262984	3	183451148	A	C	YEATS2	Imp	0.43	9.96E-06	8.44E-01	--
rs844210	3	183450105	A	G	YEATS2	Imp	0.43	1.00E-05	8.44E-01	--
rs2992713	13	87461696	G	A	5' RP11-366K1.1-001	Imp	0.47	1.00E-05	5.84E-01	++

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rs3015542	13	87451410	C	G	5' RP11-366K1.1-001	Imp	0.47	1.01E-05	5.08E-01	--
rs2992717	13	87452111	A	G	5' RP11-366K1.1-001	Imp	0.47	1.01E-05	5.18E-01	--
rs7995257	13	87453249	A	G	5' RP11-366K1.1-001	Imp	0.47	1.01E-05	5.22E-01	--
rs2992707	13	87454536	A	G	5' RP11-366K1.1-001	Imp	0.47	1.01E-05	5.23E-01	--
rs2992708	13	87455045	A	G	5' RP11-366K1.1-001	Imp	0.47	1.01E-05	5.23E-01	--
rs2992711	13	87457101	T	A	5' RP11-366K1.1-001	Imp	0.47	1.01E-05	5.13E-01	++
rs9515965	13	87459754	C	G	5' RP11-366K1.1-001	Imp	0.47	1.01E-05	5.43E-01	--
rs2992714	13	87461949	G	A	5' RP11-366K1.1-001	Imp	0.47	1.01E-05	5.55E-01	++
chr12:77207	12	77207785	C	G	ZDHHC17	Imp	0.19	1.04E-05	7.08E-01	++
rs6492625	13	87547394	G	A	5' RP11-366K1.1-001	Imp	0.46	1.04E-05	9.16E-01	++
rs9515910	13	87416030	T	C	5' RP11-366K1.1-001	G	0.47	1.04E-05	5.85E-01	--
rs35420831	13	87416276	G	A	5' RP11-366K1.1-001	Imp	0.47	1.04E-05	5.89E-01	++
rs9523309	13	87418563	C	A	5' RP11-366K1.1-001	Imp	0.47	1.04E-05	5.44E-01	++
rs4132042	13	87422551	C	A	5' RP11-366K1.1-001	Imp	0.47	1.04E-05	5.30E-01	++
rs9556082	13	87425067	G	C	5' RP11-366K1.1-001	Imp	0.47	1.04E-05	5.36E-01	++
rs9523331	13	87426195	G	A	5' RP11-366K1.1-001	Imp	0.47	1.04E-05	5.32E-01	++
rs9523333	13	87427762	A	G	5' RP11-366K1.1-001	Imp	0.47	1.04E-05	5.32E-01	--
rs9523416	13	87463100	G	A	5' RP11-366K1.1-001	G	0.47	1.05E-05	5.84E-01	++
rs9556088	13	87430634	T	C	5' RP11-366K1.1-001	Imp	0.47	1.05E-05	5.26E-01	--
rs6492549	13	87434336	C	T	5' RP11-366K1.1-001	Imp	0.47	1.06E-05	5.23E-01	++
rs4261395	13	87438236	G	C	5' RP11-366K1.1-001	Imp	0.47	1.06E-05	5.23E-01	++
rs696990	6	71022226	C	T	NA	Imp	0.21	1.06E-05	4.84E-01	+
rs667857	6	71023622	C	T	NA	Imp	0.21	1.06E-05	4.69E-01	+
rs56092951	12	77195966	C	T	ZDHHC17	Imp	0.20	1.06E-05	6.87E-01	--
chr12:77197	12	77197524	T	G	ZDHHC17	Imp	0.20	1.06E-05	7.33E-01	++
chr12:77199	12	77199703	C	A	ZDHHC17	Imp	0.20	1.06E-05	7.34E-01	--
rs498373	6	71020330	T	C	NA	G	0.21	1.06E-05	4.39E-01	+-
rs496697	6	71020471	T	C	NA	Imp	0.21	1.06E-05	4.72E-01	+-
rs665761	6	71020872	C	T	NA	Imp	0.21	1.06E-05	4.72E-01	+-
rs9523390	13	87448481	C	T	5' RP11-366K1.1-001	Imp	0.47	1.07E-05	5.00E-01	++
rs2781245	1	41943115	C	T	EDN2	Imp	0.24	1.08E-05	1.47E-01	+-
rs9301917	13	87674122	C	A	5' RP11-366K1.1-001	Imp	0.46	1.09E-05	9.79E-01	++
chr14:10127	14	101271001	T	C	Near MEG3	Imp	0.18	1.11E-05	8.72E-01	+
rs9556102	13	87439318	T	C	5' RP11-366K1.1-001	Imp	0.47	1.12E-05	5.01E-01	--
rs7332982	13	87440616	G	A	5' RP11-366K1.1-001	Imp	0.47	1.12E-05	5.11E-01	++
rs9515957	13	87445503	A	G	5' RP11-366K1.1-001	Imp	0.47	1.12E-05	5.14E-01	--
rs9515961	13	87447243	C	T	5' RP11-366K1.1-001	Imp	0.47	1.12E-05	5.11E-01	++
rs9301746	13	87448003	G	T	5' RP11-366K1.1-001	Imp	0.47	1.12E-05	5.14E-01	++
rs7988039	13	87443524	C	T	5' RP11-366K1.1-001	Imp	0.48	1.13E-05	5.47E-01	++
rs11623311	14	101274583	G	T	Near MEG5	G	0.19	1.13E-05	7.95E-01	+-
rs7333973	13	87441079	G	C	5' RP11-366K1.1-001	Imp	0.47	1.19E-05	5.00E-01	++
rs12430623	13	87416571	C	A	5' RP11-366K1.1-001	Imp	0.47	1.20E-05	5.40E-01	++
rs9589198	13	87417865	G	C	5' RP11-366K1.1-001	Imp	0.47	1.20E-05	5.46E-01	++
rs9515916	13	87419768	A	G	5' RP11-366K1.1-001	Imp	0.47	1.20E-05	5.26E-01	--
rs9560782	13	87423431	T	C	5' RP11-366K1.1-001	Imp	0.47	1.20E-05	5.13E-01	--
rs9515922	13	87423865	C	T	5' RP11-366K1.1-001	Imp	0.47	1.20E-05	5.29E-01	++
chr12:77185	12	77185185	G	A	ZDHHC17	Imp	0.20	1.21E-05	6.24E-01	--
rs34520380	13	87678333	C	T	5' RP11-366K1.1-001	Imp	0.46	1.21E-05	9.79E-01	++
rs9561480	13	87679842	A	G	5' RP11-366K1.1-001	Imp	0.46	1.21E-05	9.71E-01	--
rs17757120	12	77188871	C	G	ZDHHC17	Imp	0.20	1.25E-05	6.38E-01	++
rs9560773	13	87414522	C	T	5' RP11-366K1.1-001	Imp	0.47	1.27E-05	6.15E-01	++
rs1543232	13	87682869	A	G	5' RP11-366K1.1-001	Imp	0.46	1.34E-05	9.78E-01	--
rs6492695	13	87695546	G	A	5' RP11-366K1.1-001	Imp	0.47	1.36E-05	9.94E-01	+
chr10:43450	10	43450535	A	G	NA	Imp	0.07	1.39E-05	2.45E-01	+-
rs9524345	13	87700013	C	T	5' RP11-366K1.1-001	Imp	0.47	1.43E-05	9.94E-01	+
rs9524367	13	87703310	T	G	5' RP11-366K1.1-001	Imp	0.47	1.43E-05	9.94E-01	+-
rs1040286	13	87668544	T	C	5' RP11-366K1.1-001	Imp	0.46	1.44E-05	8.80E-01	--
rs56496491	13	87668961	T	C	5' RP11-366K1.1-001	Imp	0.46	1.44E-05	8.68E-01	--
rs8016400	14	101271179	T	C	Near MEG4	Imp	0.18	1.46E-05	8.76E-01	+
rs2685792	13	87627796	A	C	5' RP11-366K1.1-001	Imp	0.46	1.48E-05	8.98E-01	--
rs2685793	13	87629552	G	A	5' RP11-366K1.1-001	Imp	0.46	1.48E-05	9.20E-01	++
rs2685796	13	87603946	A	G	5' RP11-366K1.1-001	Imp	0.46	1.51E-05	9.12E-01	--

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rs262972	3	183444520	G	A	YEATS2	Imp	0.43	1.52E-05	7.56E-01	++
rs262971	3	183444528	G	A	YEATS2	Imp	0.43	1.52E-05	7.56E-01	++
rs262970	3	183446034	C	T	YEATS2	Imp	0.43	1.57E-05	7.51E-01	++
rs8000914	13	87638878	T	C	5' RP11-366K1.1-001	Imp	0.46	1.58E-05	8.92E-01	--
rs9556308	13	87641649	G	T	5' RP11-366K1.1-001	Imp	0.46	1.58E-05	8.84E-01	++
rs2049200	13	87643970	A	G	5' RP11-366K1.1-001	Imp	0.46	1.58E-05	8.94E-01	--
rs7319660	13	87645657	A	G	5' RP11-366K1.1-001	Imp	0.46	1.58E-05	9.04E-01	--
rs1522014	13	87658986	A	G	5' RP11-366K1.1-001	Imp	0.46	1.64E-05	9.16E-01	--
rs9524365	13	87702747	A	T	5' RP11-366K1.1-001	Imp	0.47	1.64E-05	9.88E-01	--
rs5995310	22	36967874	A	G	CACNG2	Imp	0.43	1.64E-05	8.49E-01	+-
chr12:77141	12	77141271	T	C	ZDHHC17	Imp	0.19	1.66E-05	8.42E-01	++
rs830177	3	183444733	G	A	YEATS2	Imp	0.43	1.73E-05	7.51E-01	++
rs10997437	10	68661910	A	G	CTNNA3	Imp	0.39	1.76E-05	4.10E-02	+-
rs13238101	7	95498480	G	A	DYNC111	Imp	0.12	2.13E-05	9.57E-01	--
rs13238270	7	95498489	T	C	DYNC111	Imp	0.12	2.13E-05	9.59E-01	++
rs999186	10	68675367	G	A	CTNNA3	Imp	0.39	2.13E-05	2.51E-02	+
rs735621	17	62060718	A	G	NA	G	0.35	2.16E-05	3.07E-01	++
rs9910406	17	62060878	G	A	NA	Imp	0.35	2.16E-05	3.25E-01	--
rs1569488	22	36965284	C	T	CACNG2	G	0.43	2.22E-05	9.70E-01	++
rs1569489	22	36965492	G	C	CACNG2	Imp	0.44	2.27E-05	9.77E-01	++
rs1718017	13	87596099	G	A	5' RP11-366K1.1-001	Imp	0.46	2.28E-05	9.89E-01	++
rs1569490	22	36966209	T	C	CACNG2	Imp	0.44	2.35E-05	9.17E-01	+-
rs17813975	12	77216281	A	G	ZDHHC17	G	0.19	2.50E-05	6.38E-01	++
chr12:77145	12	77145183	A	G	ZDHHC17	Imp	0.19	2.52E-05	6.58E-01	++
chr12:77221	12	77221993	A	G	ZDHHC17	Imp	0.20	2.60E-05	6.37E-01	++
chr12:77223	12	77223088	C	T	ZDHHC17	Imp	0.20	2.60E-05	6.38E-01	--
chr12:77226	12	77226491	G	A	ZDHHC17	Imp	0.20	2.60E-05	6.38E-01	--
chr12:77227	12	77227200	G	A	ZDHHC17	Imp	0.20	2.60E-05	6.38E-01	--
rs1925584	10	68669211	A	G	CTNNA3	Imp	0.39	2.63E-05	3.35E-02	+-
rs8023560	15	45072082	G	T	LOC100419583	Imp	0.10	2.67E-05	8.15E-01	+
rs1061594	3	183534170	T	C	MAP6D1	G	0.46	2.77E-05	6.81E-01	+-
rs1061593	3	183534538	C	T	MAP6D1	G	0.46	2.79E-05	7.49E-01	++
rs2606225	3	183534487	C	G	MAP6D1	Imp	0.46	2.90E-05	7.37E-01	+-
rs2606226	3	183534494	T	G	MAP6D1	Imp	0.46	2.90E-05	7.35E-01	+-
rs13238387	7	95498622	G	C	DYNC111	Imp	0.13	2.92E-05	9.53E-01	--
rs3757696	7	95499066	A	C	DYNC111	Imp	0.13	2.92E-05	9.38E-01	++
rs1488503	7	95500522	T	C	DYNC111	G	0.13	2.92E-05	9.58E-01	+
rs55805625	17	73347113	C	G	GRB2	Imp	0.07	2.95E-05	1.82E-01	++
rs11154829	6	136247928	T	C	PDE7B	G	0.29	3.05E-05	6.42E-01	+-
chr12:77251	12	77251216	C	T	ZDHHC17	Imp	0.19	3.08E-05	6.04E-01	--
rs2582092	3	183533623	G	C	MAP6D1	Imp	0.46	3.09E-05	7.43E-01	++
rs263045	3	183515314	G	A	YEATS2	Imp	0.46	3.11E-05	7.59E-01	++
rs2255019	3	183534913	G	A	MAP6D1	Imp	0.46	3.15E-05	7.33E-01	++
rs2255015	3	183534976	A	G	MAP6D1	G	0.46	3.16E-05	5.53E-01	+-
rs870936	1	41939408	T	A	EDN2	Imp	0.23	3.17E-05	2.53E-01	+-
rs2492075	1	41941088	A	C	EDN2	Imp	0.23	3.24E-05	2.32E-01	++
rs2582091	3	183535094	T	C	MAP6D1	Imp	0.46	3.39E-05	7.74E-01	+-
rs12069358	1	41940687	T	C	EDN2	G	0.23	3.45E-05	2.51E-01	++
chr7:954970	7	95497037	A	G	DYNC111	Imp	0.11	3.46E-05	7.33E-01	++
rs34657318	7	95497161	A	G	DYNC111	Imp	0.11	3.46E-05	9.69E-01	++
rs35703327	7	95497235	T	C	DYNC111	Imp	0.11	3.46E-05	9.69E-01	++
rs12656368	5	179653428	T	C	NA	G	0.49	3.76E-05	6.15E-01	--
rs263021	3	183509168	G	A	YEATS2	Imp	0.46	3.78E-05	7.54E-01	++
rs262961	3	183491340	C	T	YEATS2	Imp	0.45	3.82E-05	7.67E-01	++
rs262958	3	183492988	A	G	YEATS2	Imp	0.45	3.82E-05	7.11E-01	+-
rs263044	3	183517999	G	A	YEATS2	Imp	0.46	3.83E-05	7.57E-01	++
<b>rs6996005</b>	<b>8</b>	<b>107532927</b>	<b>G</b>	<b>T</b>	<b>OXR1</b>	<b>Imp</b>	<b>0.29</b>	<b>3.84E-05</b>	<b>5.66E-02</b>	<b>++</b>
rs9877910	3	159730819	T	C	FLJ39842	Imp	0.39	3.90E-05	6.54E-01	--
rs263022	3	183510782	A	T	YEATS2	Imp	0.46	3.90E-05	7.49E-01	+-
rs4368325	2	107109716	A	G	AC108868.4	Imp	0.34	3.91E-05	3.44E-01	++
rs9922943	16	84067570	T	C	SLC38A8	Imp	0.24	3.92E-05	1.75E-01	++
rs2606219	3	183494455	A	G	YEATS2	Imp	0.45	3.93E-05	7.39E-01	+-

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rs262962	3	183491155	C	T	YEATS2	Imp	0.45	3.94E-05	8.11E-01	++
rs4646719	3	125866621	A	G	ALDH1L1	Imp	0.06	3.95E-05	9.84E-02	++
rs4646718	3	125867263	A	C	ALDH1L1	Imp	0.06	3.95E-05	1.27E-01	++
rs263010	3	183497506	G	A	YEATS2	Imp	0.45	3.96E-05	7.34E-01	++
rs263040	3	183522557	C	T	YEATS2	Imp	0.46	3.96E-05	7.56E-01	++
rs263039	3	183522929	T	C	YEATS2	Imp	0.46	3.96E-05	7.53E-01	+-
rs263035	3	183523657	G	A	YEATS2	Imp	0.46	3.96E-05	7.53E-01	++
rs263034	3	183524193	C	T	YEATS2	Imp	0.46	3.96E-05	7.53E-01	++
rs263033	3	183524349	G	C	YEATS2	Imp	0.46	3.96E-05	7.56E-01	++
rs263032	3	183524379	G	A	YEATS2	Imp	0.46	3.96E-05	7.54E-01	+
rs263031	3	183524948	C	T	YEATS2	Imp	0.46	3.96E-05	8.15E-01	++
rs263030	3	183525121	G	A	YEATS2	Imp	0.46	3.96E-05	7.53E-01	++
rs263029	3	183525414	G	A	YEATS2	Imp	0.46	3.96E-05	7.51E-01	+
rs263028	3	183525519	A	G	YEATS2	Imp	0.46	3.96E-05	8.14E-01	+-
rs263027	3	183526418	C	T	YEATS2	Imp	0.46	3.96E-05	8.15E-01	++
rs263026	3	183526624	A	C	YEATS2	Imp	0.46	3.96E-05	7.84E-01	+-
rs263025	3	183527618	C	T	YEATS2	Imp	0.46	3.96E-05	8.05E-01	++
rs9836489	3	183530518	G	A	YEATS2	Imp	0.46	3.96E-05	7.36E-01	++
rs28650940	3	183530978	A	G	YEATS2	Imp	0.46	3.96E-05	8.11E-01	+-
rs28546070	3	183530986	G	A	YEATS2	Imp	0.46	3.96E-05	7.48E-01	+
rs28692912	3	183531286	A	G	YEATS2	Imp	0.46	3.96E-05	8.10E-01	+-
rs62285795	3	183531889	C	T	MAP6D1	Imp	0.46	3.96E-05	8.02E-01	++
rs2606221	3	183533057	C	T	MAP6D1	Imp	0.46	3.96E-05	7.91E-01	++
rs8391	3	183533964	C	T	MAP6D1	Imp	0.46	3.96E-05	7.21E-01	++
rs263024	3	183528442	T	C	YEATS2	G	0.46	3.97E-05	5.57E-01	+-
rs262955	3	183485983	C	A	YEATS2	Imp	0.45	3.98E-05	7.98E-01	++
rs262957	3	183486300	C	T	YEATS2	Imp	0.45	3.98E-05	7.93E-01	++
rs830166	3	183487393	G	A	YEATS2	Imp	0.45	3.98E-05	7.93E-01	++
rs262964	3	183490998	A	C	YEATS2	Imp	0.45	3.98E-05	8.19E-01	+-
rs263043	3	183520489	G	A	YEATS2	Imp	0.46	3.99E-05	7.47E-01	+
rs263042	3	183521133	G	A	YEATS2	Imp	0.46	3.99E-05	8.00E-01	++
rs1395714	1	86690718	T	A	Near COL24A1	Imp	0.15	4.00E-05	5.64E-01	++
chr21:18300	21	18300148	G	A	NA	Imp	0.15	4.04E-05	6.75E-01	+-
rs263038	3	183523021	A	G	YEATS2	Imp	0.46	4.08E-05	7.64E-01	+-
rs263037	3	183523205	G	A	YEATS2	Imp	0.46	4.08E-05	7.63E-01	++
rs1061562	4	41700361	G	A	LIMCH1	G	0.21	4.08E-05	5.21E-01	++
rs11852254	15	45083843	A	G	LOC100419583	Imp	0.14	4.09E-05	7.65E-01	+-
rs11853207	15	45084880	A	C	LOC100419583	Imp	0.14	4.09E-05	6.03E-01	+-
rs2049333	15	45085225	A	G	LOC100419583	G	0.14	4.09E-05	6.02E-01	+-
rs196351	3	183499772	G	A	YEATS2	Imp	0.45	4.10E-05	7.56E-01	+
rs263014	3	183500702	C	G	YEATS2	Imp	0.45	4.10E-05	7.54E-01	+-
rs9824967	3	159722333	G	A	FLJ39842	Imp	0.39	4.17E-05	5.66E-01	++
rs3110181	15	45069921	A	C	LOC100419583	Imp	0.10	4.21E-05	9.62E-01	--
rs58638896	6	71017964	G	A	Ambiguous	Imp	0.20	4.22E-05	4.75E-01	++
<b>rs463877</b>	<b>21</b>	<b>22090256</b>	<b>T</b>	<b>C</b>	<b>Near NCAM2</b>	<b>G</b>	<b>0.10</b>	<b>4.26E-05</b>	<b>4.49E-02</b>	<b>++</b>
rs951521	13	87750315	C	G	5' RP11-366K1.1-001	Imp	0.49	4.26E-05	8.24E-01	--
rs8180560	6	136299725	A	C	PDE7B	Imp	0.38	4.28E-05	6.81E-01	--
chr13:87744	13	87744450	A	T	5' RP11-366K1.1-001	Imp	0.49	4.28E-05	8.31E-01	--
rs1522005	13	87747482	A	C	5' RP11-366K1.1-001	Imp	0.49	4.28E-05	8.38E-01	--
rs7045081	9	18199967	G	A	NA	Imp	0.23	4.36E-05	4.57E-01	+
<b>rs229369</b>	<b>21</b>	<b>22078587</b>	<b>G</b>	<b>A</b>	<b>Near NCAM2</b>	<b>G</b>	<b>0.13</b>	<b>4.40E-05</b>	<b>4.87E-02</b>	<b>--</b>
rs61481973	13	87738945	G	A	5' RP11-366K1.1-001	Imp	0.49	4.41E-05	8.27E-01	++
rs17116771	15	23907160	A	G	NA	G	0.16	4.42E-05	1.78E-01	+
rs1321064	6	71018467	A	G	NA	Imp	0.20	4.42E-05	3.97E-01	+-
rs3828858	6	20480586	G	A	E2F3	G	0.15	4.52E-05	9.58E-01	++
rs1336050	1	86688478	G	T	Near COL24A1	G	0.15	4.52E-05	6.28E-01	+
chr21:18297	21	18297430	G	A	NA	Imp	0.15	4.55E-05	7.66E-01	+-
rs3134954	6	32071893	C	T	TNXB	G	0.13	4.70E-05	5.14E-01	--
rs8069172	17	62058291	G	C	NA	Imp	0.35	4.70E-05	3.18E-01	--
rs9524530	13	87737281	T	G	5' RP11-366K1.1-001	Imp	0.49	4.75E-05	8.41E-01	--
rs2910443	19	8576307	G	A	ZNF414	G	0.48	4.77E-05	7.32E-01	++
rs7843894	8	130057819	A	G	NA	G	0.09	4.79E-05	3.02E-01	--

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rs3117181	6	32071017	C	G	TNXB	Imp	0.13	4.81E-05	5.14E-01	++
rs10667	12	77247150	C	T	ZDHC17	G	0.20	4.81E-05	6.02E-01	--
rs16837171	3	125871773	T	C	ALDH1L1	G	0.06	4.83E-05	7.60E-02	+-
rs6493109	15	45016431	A	G	LOC100419583	Imp	0.10	4.88E-05	9.81E-01	--
rs17167196	7	95496797	T	G	DYNC111	Imp	0.10	4.88E-05	6.92E-01	++
rs7999104	13	87736974	G	A	5' RP11-366K1.1-001	G	0.49	4.91E-05	8.50E-01	++
rs10820243	9	99051197	T	C	HSD17B3	Imp	0.45	4.96E-05	2.79E-01	+-
rs7072747	10	68655205	T	C	CTNNA3	Imp	0.39	4.97E-05	3.95E-02	+-
rs9524520	13	87734185	A	G	5' RP11-366K1.1-001	Imp	0.49	5.05E-05	8.70E-01	--
rs11653059	17	62067353	G	A	NA	G	0.38	5.05E-05	6.28E-01	--
rs3732543	3	125870596	G	T	ALDH1L1	Imp	0.06	5.06E-05	1.45E-01	+-
chr21:18296	21	18296210	G	A	NA	Imp	0.15	5.10E-05	7.85E-01	+-
rs1383878	8	13466593	G	A	NA	Imp	0.46	5.28E-05	3.31E-01	++
rs4425307	4	5993510	T	C	CRMP1	Imp	0.20	5.35E-05	2.29E-01	++
rs6576820	1	86689338	A	G	Near COL24A1	Imp	0.15	5.38E-05	5.53E-01	+-
rs59584644	4	5993897	G	A	CRMP1	Imp	0.20	5.45E-05	1.87E-01	--
chr4:599392	4	5993920	G	A	CRMP1	Imp	0.20	5.45E-05	1.96E-01	--
rs262978	3	183454766	T	C	YEATS2	Imp	0.46	5.46E-05	7.82E-01	--
rs61611673	4	5993722	G	A	CRMP1	Imp	0.20	5.51E-05	2.25E-01	--
chr9:100981	9	100981903	A	G	TBC1D2	Imp	0.06	5.55E-05	3.81E-01	+-
rs28504114	9	100981906	T	C	TBC1D2	Imp	0.06	5.55E-05	3.87E-01	+-
rs12660613	6	20464452	G	A	E2F3	Imp	0.15	5.55E-05	9.29E-01	+-
rs1598659	2	199079730	G	C	FLJ59788	Imp	0.12	5.60E-05	7.24E-01	+-
rs4145375	2	9773678	G	A	BI547681	Imp	0.07	5.66E-05	8.47E-02	+-
rs3110676	15	45067316	T	C	LOC100419583	G	0.10	5.69E-05	9.24E-01	--
rs4309775	4	5993506	T	G	CRMP1	Imp	0.20	5.71E-05	2.13E-01	++
rs56068986	2	9773878	G	C	BI547681	Imp	0.07	5.74E-05	8.29E-02	+-
rs34218476	4	169996896	G	A	NA	Imp	0.20	5.79E-05	3.44E-01	++
chr7:954486	7	95448622	G	A	DYNC111	Imp	0.10	5.81E-05	8.38E-01	--
rs1113416	1	177936027	C	T	SEC16B	Imp	0.45	5.82E-05	3.50E-01	--
rs2140381	10	68684626	T	C	CTNNA3	Imp	0.38	5.82E-05	2.78E-02	+-
rs1113415	1	177935930	A	G	SEC16B	Imp	0.45	5.83E-05	3.53E-01	++
rs1001281	19	50294759	C	T	AP2A1	Imp	0.19	5.84E-05	3.04E-01	--
rs2342756	2	199083237	T	C	FLJ59788	G	0.12	5.90E-05	8.67E-01	+-
rs12630887	3	60094030	A	G	FHIT	Imp	0.38	5.93E-05	1.25E-01	++
rs28618144	6	20449904	A	G	E2F3	Imp	0.13	5.93E-05	6.45E-01	--
rs10112780	8	13467552	A	T	NA	Imp	0.46	5.95E-05	4.36E-01	--
rs263020	3	183507633	C	G	YEATS2	Imp	0.46	6.01E-05	7.57E-01	+-
rs12693835	2	199082923	C	T	FLJ59788	Imp	0.12	6.08E-05	7.38E-01	+-
rs17127787	14	55166115	G	A	SAMD4	Imp	0.29	6.08E-05	8.77E-01	+-
rs4532179	4	5993309	G	A	CRMP1	Imp	0.20	6.12E-05	2.25E-01	--
rs10990208	9	99044629	T	C	HSD17B3	Imp	0.44	6.13E-05	2.42E-01	+-
rs262977	3	183455153	G	A	YEATS2	Imp	0.46	6.18E-05	7.46E-01	++
rs9373157	6	136261860	A	G	PDE7B	Imp	0.38	6.20E-05	6.94E-01	--
rs9389346	6	136264516	T	C	PDE7B	Imp	0.39	6.20E-05	6.92E-01	--
rs10433458	3	159726252	T	C	FLJ39842	Imp	0.38	6.23E-05	5.23E-01	--
rs9852519	3	159720628	T	C	FLJ39842	Imp	0.36	6.26E-05	5.81E-01	--
rs10465077	9	31526061	G	C	DB022024	Imp	0.10	6.26E-05	4.84E-02	+-
rs10970405	9	31532075	G	C	DB022024	Imp	0.10	6.26E-05	4.85E-02	+-
rs4879523	9	31534673	G	A	DB022024	Imp	0.10	6.26E-05	3.61E-02	+-
rs10970409	9	31535872	A	G	DB022024	Imp	0.10	6.26E-05	4.86E-02	+-
rs3096695	6	32069806	G	C	TNXB	Imp	0.12	6.27E-05	6.32E-01	--
rs7210582	17	52352237	T	C	NA	G	0.28	6.33E-05	5.78E-01	+-
rs262969	3	183446783	A	G	YEATS2	Imp	0.43	6.36E-05	7.50E-01	--
rs10820220	9	99045455	C	T	HSD17B3	Imp	0.44	6.42E-05	2.43E-01	+-
rs10970374	9	31470393	T	C	DB022024	G	0.10	6.43E-05	4.37E-02	+-
rs4779129	15	79926115	C	T	NA	Imp	0.15	6.53E-05	9.81E-02	++
rs6576811	1	86667673	A	G	Near COL24A1	Imp	0.16	6.58E-05	4.83E-01	+-
rs6420971	1	86667734	G	A	Near COL24A1	Imp	0.16	6.58E-05	4.82E-01	+-
rs1456569	2	199085248	C	A	FLJ59788	Imp	0.12	6.58E-05	8.82E-01	+-
rs4850833	2	199085661	A	G	FLJ59788	G	0.12	6.58E-05	8.75E-01	+-
rs830167	3	183483609	T	C	YEATS2	Imp	0.45	6.65E-05	7.89E-01	+-

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rs262954	3	183484813	A	T	YEATS2	Imp	0.45	6.65E-05	7.83E-01	+-
rs11634773	15	23906530	A	G	NA	Imp	0.16	6.66E-05	1.55E-01	+-
rs1598660	2	199079806	T	C	FLJ59788	Imp	0.12	6.79E-05	7.28E-01	+-
rs421497	2	71409438	A	T	PAIP2B	Imp	0.36	6.79E-05	2.76E-01	+-
rs3796191	3	125872384	G	A	ALDH1L1	G	0.06	6.82E-05	1.44E-01	+-
rs4646708	3	125873973	C	T	ALDH1L1	Imp	0.06	6.82E-05	1.43E-01	+-
rs4273215	2	107110793	G	A	AC108868.4	Imp	0.34	6.84E-05	3.45E-01	--
rs8190512	9	99050100	C	A	HSD17B3	G	0.44	6.85E-05	2.49E-01	+-
chr4:599402	4	5994024	T	C	CRMP1	Imp	0.20	6.86E-05	1.71E-01	++
rs16883842	6	20461405	G	A	E2F3	Imp	0.15	6.93E-05	9.32E-01	+-
rs3767864	1	212539342	C	T	TMEM206	Imp	0.39	6.95E-05	9.81E-01	+-
rs35228093	21	32664798	T	C	TIAM1	Imp	0.22	6.95E-05	8.40E-01	++
rs1581696	7	53023773	A	C	NA	Imp	0.21	6.96E-05	2.77E-01	+-
rs10758064	9	31442191	G	A	DB022024	Imp	0.10	6.97E-05	5.29E-02	+-
rs4896190	6	136297337	G	T	PDE7B	Imp	0.38	7.01E-05	6.79E-01	++
rs12620485	2	9774161	T	C	BI547681	Imp	0.07	7.03E-05	8.45E-02	+-
rs6715748	2	9774331	G	A	BI547681	G	0.07	7.03E-05	8.41E-02	+-
rs7567578	2	9775108	C	A	BI547681	Imp	0.07	7.03E-05	8.57E-02	+-
rs4669402	2	9779413	C	G	BI547681	Imp	0.07	7.03E-05	9.29E-02	+-
rs11154836	6	136286230	G	T	PDE7B	Imp	0.39	7.05E-05	6.04E-01	++
rs7182022	15	45069742	T	C	LOC100419583	Imp	0.10	7.10E-05	9.76E-01	--
rs55984975	17	73382020	C	T	GRB2	Imp	0.10	7.12E-05	5.69E-01	+-
chr2:107106	2	107106972	C	T	AC108868.4	Imp	0.35	7.13E-05	3.64E-01	--
rs9350250	6	20467228	T	C	E2F3	Imp	0.15	7.14E-05	9.36E-01	+-
rs12468642	2	199077727	G	T	FLJ59788	Imp	0.12	7.21E-05	9.60E-01	+-
rs6754329	2	199081995	A	C	FLJ59788	Imp	0.12	7.21E-05	7.30E-01	+-
rs12686518	9	99047755	T	C	HSD17B3	Imp	0.44	7.25E-05	2.57E-01	+-
rs2147253	9	99048003	A	G	HSD17B3	Imp	0.44	7.25E-05	2.46E-01	+-
rs10820228	9	99048342	A	G	HSD17B3	Imp	0.44	7.25E-05	2.46E-01	+-
rs55706054	7	95466089	C	G	DYNC111	Imp	0.09	7.25E-05	6.76E-01	++
rs56680341	7	95466311	T	C	DYNC111	Imp	0.09	7.25E-05	6.71E-01	++
rs17622436	1	75589581	C	A	BC036630	G	0.11	7.31E-05	3.53E-01	+-
rs62332692	4	169996544	T	C	NA	Imp	0.20	7.34E-05	3.35E-01	--
rs7225542	17	73364602	A	C	GRB2	Imp	0.10	7.34E-05	5.46E-01	+-
rs6441286	3	159728878	G	T	FLJ39842	G	0.38	7.36E-05	5.25E-01	++
rs13150221	4	169996393	C	A	NA	Imp	0.19	7.39E-05	3.17E-01	++
rs8069641	17	62058446	A	G	NA	Imp	0.34	7.42E-05	3.16E-01	++
rs1430994	4	165092629	C	T	MARCH1	Imp	0.50	7.45E-05	9.64E-01	+-
rs8081059	17	71068719	C	A	SLC39A11	G	0.18	7.50E-05	3.66E-01	++
rs13436911	5	160330798	A	G	NA	Imp	0.44	7.50E-05	3.29E-01	++
rs3130342	6	32080146	A	C	NA	G	0.13	7.52E-05	4.75E-01	++
rs13065738	3	159720559	T	G	FLJ39842	Imp	0.36	7.53E-05	5.97E-01	--
rs4743685	9	99043822	T	G	HSD17B3	Imp	0.44	7.54E-05	2.41E-01	+-
rs6540736	1	212481837	G	A	PPP2R5A	Imp	0.41	7.55E-05	9.91E-01	--
chr3:159735	3	159735441	A	G	FLJ39842	Imp	0.39	7.60E-05	6.75E-01	--
chr17:73382	17	73382756	T	C	GRB2	Imp	0.06	7.65E-05	1.90E-01	+-
rs4362555	2	107102418	T	G	AC108868.4	G	0.35	7.68E-05	3.67E-01	++
<b>rs6842017</b>	<b>4</b>	<b>5998417</b>	<b>T</b>	<b>A</b>	<b>NA</b>	<b>Imp</b>	<b>0.24</b>	<b>7.68E-05</b>	<b>7.55E-02</b>	<b>--</b>
rs1507290	1	86684713	G	A	Near COL24A1	G	0.15	7.70E-05	3.95E-01	+-
rs594083	19	50751088	T	C	MYH14	Imp	0.18	7.72E-05	9.05E-01	++
rs9385749	6	136261114	A	G	PDE7B	Imp	0.38	7.74E-05	6.99E-01	--
rs615035	19	50746487	A	G	MYH14	Imp	0.18	7.78E-05	9.36E-01	++
rs7074380	10	43466121	A	T	NA	Imp	0.07	7.80E-05	2.31E-01	+-
rs4656140	1	86706236	G	T	Near COL24A1	Imp	0.12	7.83E-05	4.89E-01	+-
rs1598661	2	199079846	G	A	FLJ59788	Imp	0.12	7.84E-05	7.46E-01	+-
<b>rs7819358</b>	<b>8</b>	<b>107529963</b>	<b>G</b>	<b>A</b>	<b>OXR1</b>	<b>G</b>	<b>0.29</b>	<b>7.90E-05</b>	<b>6.72E-02</b>	<b>++</b>
chr19:50294	19	50294367	G	A	NA	Imp	0.19	7.90E-05	3.34E-01	--
rs1418340	6	136259596	G	C	PDE7B	Imp	0.38	7.94E-05	7.16E-01	++
rs7285742	22	36980102	A	G	CACNG2	G	0.36	7.98E-05	9.67E-01	--
rs677639	19	50749851	T	C	MYH14	Imp	0.18	8.00E-05	9.42E-01	++
rs594129	19	50751048	T	C	MYH14	Imp	0.18	8.00E-05	9.35E-01	++
rs661858	19	50751096	A	G	MYH14	Imp	0.18	8.00E-05	9.32E-01	++

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rs650262	19	50751361	G	A	MYH14	G	0.18	8.00E-05	9.32E-01	--
rs1418341	6	136260450	C	T	PDE7B	Imp	0.38	8.04E-05	7.05E-01	++
rs9619616	22	36969599	A	G	CACNG2	Imp	0.31	8.07E-05	8.28E-01	--
rs61843437	10	43434032	T	C	NA	Imp	0.07	8.12E-05	2.31E-01	+-
rs10813599	9	31472366	A	T	DB022024	Imp	0.11	8.20E-05	4.48E-02	++
rs10813600	9	31472488	A	G	DB022024	Imp	0.11	8.20E-05	4.52E-02	++
rs10813601	9	31472633	T	C	DB022024	G	0.11	8.20E-05	4.28E-02	++
rs883799	6	136262043	T	C	PDE7B	Imp	0.38	8.23E-05	6.84E-01	--
rs7097557	10	43466246	T	C	NA	Imp	0.07	8.30E-05	2.39E-01	+-
rs10798587	1	177934044	C	T	SEC16B	Imp	0.45	8.38E-05	3.61E-01	--
rs12135725	1	177934467	C	T	SEC16B	Imp	0.45	8.38E-05	3.67E-01	--
rs6679120	1	177934591	C	T	SEC16B	Imp	0.45	8.38E-05	3.67E-01	--
rs9373156	6	136259383	A	G	PDE7B	Imp	0.38	8.42E-05	7.19E-01	--
rs2740353	17	640256	G	A	FAM57A	Imp	0.46	8.50E-05	2.81E-01	++
rs11501342	11	102227173	C	T	BIRC2	Imp	0.07	8.52E-05	3.43E-01	++
rs4679868	3	159724154	A	G	FLJ39842	Imp	0.38	8.52E-05	5.56E-01	--
rs6433416	2	174342311	C	T	AC073465.2	Imp	0.09	8.52E-05	5.58E-01	++
rs7594926	2	174342575	C	T	AC073465.2	Imp	0.09	8.52E-05	5.58E-01	++
rs4918193	10	107794480	A	G	NA	Imp	0.46	8.54E-05	6.22E-01	++
rs10798586	1	177933829	C	A	SEC16B	Imp	0.47	8.59E-05	5.06E-01	--
rs4075418	6	136305964	A	G	PDE7B	Imp	0.38	8.72E-05	7.02E-01	--
rs12747656	1	177931508	A	C	SEC16B	G	0.45	8.75E-05	3.76E-01	++
rs830169	3	183476020	G	C	YEATS2	Imp	0.44	8.76E-05	8.36E-01	++
rs262990	3	183480195	C	T	YEATS2	Imp	0.44	8.77E-05	8.53E-01	++
rs1964849	17	641552	T	C	FAM57A	Imp	0.46	8.78E-05	3.22E-01	+-
rs61942904	12	132246747	T	C	SFRS8	Imp	0.07	8.83E-05	6.32E-01	++
rs3111532	5	179641662	C	T	NA	G	0.49	8.85E-05	5.70E-01	--
rs10853340	18	6906508	C	G	ARHGAP28	Imp	0.12	8.86E-05	2.11E-02	++
rs10913473	1	177932363	C	T	SEC16B	Imp	0.44	8.89E-05	3.41E-01	--
rs10970386	9	31499218	G	A	DB022024	Imp	0.10	8.90E-05	4.03E-02	+-
rs10813605	9	31500931	T	A	DB022024	Imp	0.10	8.90E-05	4.07E-02	+-
rs10970388	9	31507143	C	T	DB022024	Imp	0.10	8.90E-05	4.07E-02	+-
chr9:315074	9	31507423	A	G	DB022024	Imp	0.10	8.90E-05	4.06E-02	++
rs10970391	9	31511681	T	C	DB022024	Imp	0.10	8.90E-05	4.07E-02	++
rs10813606	9	31512376	T	G	DB022024	Imp	0.10	8.90E-05	4.07E-02	++
rs10970394	9	31514029	A	T	DB022024	Imp	0.10	8.90E-05	4.09E-02	++
rs10970395	9	31515688	A	G	DB022024	Imp	0.10	8.90E-05	4.67E-02	++
rs10813608	9	31518778	A	C	DB022024	Imp	0.10	8.90E-05	4.78E-02	++
rs1475562	9	31520947	A	G	DB022024	Imp	0.10	8.90E-05	4.92E-02	++
rs10465075	9	31523945	A	G	DB022024	Imp	0.10	8.90E-05	4.87E-02	++
rs13223972	7	95461693	C	G	DYNC11	Imp	0.09	8.95E-05	6.60E-01	++
rs3813651	1	177933443	A	G	SEC16B	Imp	0.45	8.95E-05	3.73E-01	++
rs2618971	7	95431640	C	T	DYNC11	G	0.10	8.95E-05	9.06E-01	--
rs58412327	6	20456691	A	G	E2F3	Imp	0.13	8.97E-05	6.23E-01	--
rs954502	1	177935203	G	A	SEC16B	Imp	0.45	9.02E-05	3.11E-01	--
rs10813576	9	31411376	C	T	DB022024	Imp	0.08	9.04E-05	3.11E-02	+-
rs3799632	6	166958388	G	T	RPS6KA2	Imp	0.09	9.05E-05	8.92E-02	+-
rs2706886	7	95428894	T	G	DYNC11	Imp	0.09	9.06E-05	7.34E-01	++
rs2629051	7	95430277	C	A	DYNC11	Imp	0.09	9.06E-05	7.49E-01	--
rs34415911	7	95433240	T	C	DYNC11	Imp	0.09	9.06E-05	7.35E-01	++
rs2045981	7	95437146	G	A	DYNC11	Imp	0.09	9.06E-05	7.24E-01	--
rs17167184	7	95441451	C	T	DYNC11	G	0.09	9.06E-05	7.35E-01	--
rs13244429	7	95447374	A	G	DYNC11	Imp	0.09	9.06E-05	7.35E-01	++
rs60012156	7	95450440	T	C	DYNC11	Imp	0.09	9.06E-05	6.72E-01	++
rs4729208	7	95450444	A	G	DYNC11	Imp	0.09	9.06E-05	6.73E-01	++
rs4729209	7	95450842	T	A	DYNC11	Imp	0.09	9.06E-05	6.49E-01	--
chr7:954510	7	95451042	A	G	DYNC11	Imp	0.09	9.06E-05	6.73E-01	++
rs7040214	9	100978662	T	C	TBC1D2	Imp	0.06	9.07E-05	3.73E-01	++
rs11154835	6	136284476	A	G	PDE7B	Imp	0.39	9.08E-05	6.79E-01	--
rs9348429	6	20437765	C	T	E2F3	Imp	0.13	9.12E-05	7.15E-01	++
rs3779484	7	95476671	A	T	DYNC11	Imp	0.10	9.15E-05	7.75E-01	++
chr7:954790	7	95479045	T	C	DYNC11	Imp	0.10	9.15E-05	7.75E-01	++

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rs60234546	7	95481078	A	G	DYNC111	Imp	0.10	9.15E-05	8.08E-01	++
rs56120023	14	55155476	C	T	SAMD4A	Imp	0.28	9.17E-05	9.12E-01	--
rs12190806	6	136284331	C	T	PDE7B	Imp	0.39	9.26E-05	5.93E-01	++
rs10813574	9	31409820	G	T	DB022024	Imp	0.08	9.31E-05	2.20E-02	+-
rs61942912	12	132257356	A	G	SFRS8	Imp	0.07	9.33E-05	6.44E-01	++
rs262993	3	183476685	A	G	YEATS2	G	0.44	9.38E-05	8.39E-01	+-
rs262992	3	183477126	G	A	YEATS2	G	0.44	9.38E-05	8.05E-01	+-
chr10:43430	10	43430835	C	A	NA	Imp	0.07	9.41E-05	3.66E-01	+-
rs4646745	3	125827399	A	G	ALDH1L1	G	0.21	9.42E-05	8.27E-01	+-
rs2236297	14	55158448	A	G	SAMD4A	Imp	0.28	9.44E-05	9.43E-01	++
rs10457646	6	136285328	A	G	PDE7B	Imp	0.38	9.45E-05	8.33E-01	--
rs9389350	6	136284311	T	C	PDE7B	Imp	0.38	9.46E-05	8.11E-01	--
rs4896188	6	136286875	T	G	PDE7B	Imp	0.38	9.46E-05	8.34E-01	--
rs1342241	6	136270670	G	A	PDE7B	Imp	0.39	9.50E-05	5.73E-01	++
rs10970380	9	31487133	G	C	DB022024	Imp	0.10	9.51E-05	3.62E-02	+-
rs10970381	9	31487145	T	C	DB022024	Imp	0.10	9.51E-05	3.63E-02	+-
rs10970382	9	31487291	T	C	DB022024	Imp	0.10	9.51E-05	3.62E-02	+-
rs16883824	6	20455564	T	C	E2F3	Imp	0.13	9.53E-05	6.79E-01	--
rs954503	1	177935443	T	C	SEC16B	G	0.45	9.55E-05	3.74E-01	++
rs2135807	1	86669298	C	T	Near COL24A1	Imp	0.18	9.55E-05	4.90E-01	+-
rs9376172	6	136332358	C	T	PDE7B	Imp	0.37	9.56E-05	7.63E-01	++
rs61843432	10	43429798	A	G	NA	Imp	0.07	9.56E-05	3.43E-01	+-
rs7211461	17	71063606	T	C	SLC39A11	Imp	0.18	9.56E-05	3.41E-01	--
rs2517521	6	31027336	A	G	NA	Imp	0.13	9.58E-05	8.04E-01	++
rs262991	3	183477665	G	A	YEATS2	Imp	0.44	9.64E-05	8.14E-01	+-
rs2740351	17	643426	G	A	FAM57A	G	0.46	9.66E-05	3.09E-01	+-
rs9389347	6	136265289	A	G	PDE7B	Imp	0.39	9.70E-05	6.83E-01	--
chr10:11848	10	11848217	A	T	NA	Imp	0.08	9.71E-05	4.17E-01	+-
chr10:11850	10	11850534	T	C	NA	Imp	0.08	9.71E-05	4.16E-01	+-
rs16792	10	11852678	C	G	NA	Imp	0.08	9.71E-05	4.14E-01	+-
rs56232280	10	11852947	G	C	NA	Imp	0.08	9.71E-05	4.10E-01	+-
rs974673	14	34480514	T	C	NA	G	0.14	9.71E-05	2.70E-01	++
rs4729210	7	95455848	A	G	DYNC111	Imp	0.09	9.73E-05	6.56E-01	++
rs34159725	7	95456468	T	C	DYNC111	Imp	0.09	9.73E-05	6.59E-01	++
rs41278815	7	95457198	T	C	DYNC111	Imp	0.09	9.73E-05	6.71E-01	++
rs2876318	6	136266160	G	A	PDE7B	Imp	0.39	9.74E-05	6.39E-01	++
rs6569399	6	125143279	A	G	NKAIN2	G	0.11	9.75E-05	9.96E-01	+-
<b>rs1973345</b>	<b>16</b>	<b>82271777</b>	<b>C</b>	<b>T</b>	<b>3' MPHOSPH6</b>	<b>Imp</b>	<b>0.15</b>	<b>9.81E-05</b>	<b>5.19E-02</b>	<b>++</b>
<b>rs1032339</b>	<b>16</b>	<b>82271810</b>	<b>G</b>	<b>A</b>	<b>3' MPHOSPH6</b>	<b>Imp</b>	<b>0.15</b>	<b>9.81E-05</b>	<b>5.26E-02</b>	<b>++</b>
<b>rs1011433</b>	<b>16</b>	<b>82273549</b>	<b>G</b>	<b>A</b>	<b>3' MPHOSPH6</b>	<b>Imp</b>	<b>0.15</b>	<b>9.81E-05</b>	<b>4.17E-02</b>	<b>++</b>
rs12212922	6	87298528	A	G	NA	G	0.37	9.83E-05	3.01E-01	+-
rs10813602	9	31472799	A	G	DB022024	Imp	0.10	9.84E-05	3.58E-02	+-
rs2447720	9	31472867	G	A	DB022024	Imp	0.10	9.84E-05	3.32E-02	+-
rs10990251	9	99051111	G	C	HSD17B3	Imp	0.44	9.85E-05	2.77E-01	+-
rs11887934	2	111451816	C	T	Near DQ588931	G	0.34	9.85E-05	8.06E-01	++
chr10:11852	10	11852187	T	C	NA	Imp	0.08	9.89E-05	4.12E-01	+-
rs11535476	9	31516821	A	G	DB022024	Imp	0.10	9.90E-05	4.73E-02	+-
rs2910439	19	8570283	G	T	NA	Imp	0.48	9.92E-05	8.01E-01	++
rs262994	3	183475359	T	C	YEATS2	Imp	0.44	9.94E-05	8.30E-01	+-
rs4507140	2	40248314	T	C	LOC100128590	Imp	0.15	9.99E-05	7.61E-01	+-
rs6731048	2	40248799	G	A	LOC100128590	Imp	0.15	9.99E-05	7.72E-01	+-

<sup>a</sup> Minor allele frequency estimated on founders; <sup>b</sup> direction of effect in COGA and SAGE datasets; Values in bold characters represent trend for association in SAGE dataset (P < 0.08)