

Supplementary Table 2

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

SNP	CHR	BP	A1	A2	Gene	Geno/Imp	MAF ^a	P_SAGE	P_coga	Dir ^b
rs1229984	4	100239319	T	C	ADH1B	G	0.035	4.32E-07	1.20E-02	--
rs67666182	8	82772037	G	A	Near SNX16	Imp	0.32	7.11E-07	8.35E-01	++
rs2400540	8	82763948	C	A	Near SNX16	Imp	0.32	8.11E-07	8.21E-01	++
rs28390260	8	82769175	T	A	Near SNX16	Imp	0.33	8.37E-07	8.35E-01	++
rs12676336	8	82771008	T	C	Near SNX16	Imp	0.32	8.42E-07	8.57E-01	--
rs7839178	8	82763479	G	A	Near SNX16	Imp	0.33	9.17E-07	8.21E-01	++
chr8:82754460	8	82754460	G	C	Near SNX16	Imp	0.32	1.19E-06	7.37E-01	++
rs4239611	19	15727292	T	G	CYP4F8	Imp	0.34	1.38E-06	6.31E-01	-+
rs4646523	19	15726487	G	T	CYP4F8	Imp	0.34	1.44E-06	6.19E-01	+-
rs4808327	19	15727340	G	C	CYP4F8	Imp	0.33	1.51E-06	6.32E-01	+-
rs4739627	8	82734657	A	G	SNX16	Imp	0.33	1.53E-06	6.60E-01	--
rs6415652	8	82702257	G	A	Near FABP5	Imp	0.34	1.60E-06	6.80E-01	++
rs62202398	20	46801224	A	G	NA	Imp	0.07	1.69E-06	3.81E-01	--
rs10083616	15	27609171	A	G	NA	Imp	0.25	1.71E-06	9.95E-01	-+
rs6415653	8	82702536	A	G	Near FABP5	Imp	0.34	1.72E-06	6.72E-01	--
rs7846521	8	82718107	A	G	SNX16	Imp	0.33	1.72E-06	6.60E-01	--
rs1451995	8	82746123	C	G	SNX16	Imp	0.33	1.75E-06	6.60E-01	--
rs10958045	8	82722994	T	C	SNX16	G	0.33	1.79E-06	6.60E-01	--
rs6473311	8	82726682	G	A	SNX16	Imp	0.33	1.79E-06	6.60E-01	++
rs12544174	8	82731477	G	A	SNX16	Imp	0.33	1.79E-06	6.60E-01	++
rs1054078	8	82712153	A	G	SNX16	Imp	0.33	1.79E-06	6.23E-01	--
rs7825180	8	82723991	T	A	SNX16	Imp	0.33	1.80E-06	6.37E-01	++
rs9707971	15	27608150	G	A	NA	Imp	0.25	1.83E-06	9.84E-01	+-
rs13255262	8	82728024	T	G	SNX16	Imp	0.33	1.88E-06	6.60E-01	--
rs10083606	15	27608761	A	G	NA	Imp	0.24	1.90E-06	9.77E-01	-+
rs7835342	8	82698092	A	G	Near FABP5	Imp	0.34	1.92E-06	6.22E-01	--
rs7834555	8	82697625	A	G	Near FABP5	G	0.34	1.98E-06	6.22E-01	--
rs60630422	20	46802989	A	C	NA	Imp	0.07	2.00E-06	6.72E-01	--
rs6473310	8	82707981	A	G	Near SNX16	Imp	0.33	2.19E-06	6.20E-01	--
rs2400474	8	82706439	A	G	Near SNX16	Imp	0.33	2.21E-06	4.99E-01	--
rs28668284	15	27609193	A	G	NA	Imp	0.25	2.32E-06	9.80E-01	--
rs6473309	8	82707880	A	G	Near SNX16	Imp	0.33	2.32E-06	6.20E-01	--
rs6473308	8	82707708	G	A	Near SNX16	Imp	0.33	2.38E-06	6.20E-01	++
rs10091077	8	82705464	A	G	Near FABP5	Imp	0.33	2.53E-06	7.14E-01	--
rs7834483	8	82704828	A	G	Near FABP5	Imp	0.33	2.71E-06	7.16E-01	--
rs1668305	15	87798142	G	T	Near AGBL1	Imp	0.42	3.73E-06	7.73E-01	--
rs9707922	15	27608057	T	C	NA	Imp	0.24	3.96E-06	9.57E-01	-+
rs10083549	15	27606723	T	C	NA	G	0.24	4.47E-06	9.22E-01	-+
rs12672606	7	131133690	C	G	MKLN1	Imp	0.45	4.87E-06	9.29E-01	+-
rs10447541	7	2301578	G	T	SNX8	G	0.38	5.48E-06	6.44E-01	-+
rs10447540	7	2301484	G	A	SNX8	Imp	0.38	5.52E-06	6.44E-01	-+
rs12537790	7	2299900	A	T	SNX8	Imp	0.38	5.66E-06	6.63E-01	+-
rs10083554	15	27606999	T	C	NA	Imp	0.24	5.69E-06	9.38E-01	-+
rs7144649	14	57822216	G	A	NA	G	0.23	5.76E-06	1.15E-01	++
rs9744111	15	27607374	A	G	NA	Imp	0.24	5.93E-06	9.28E-01	-+
rs4758317	11	8250811	C	A	LMO1	Imp	0.45	5.97E-06	2.85E-02	--
rs9672748	15	27606287	G	T	NA	Imp	0.24	6.12E-06	9.57E-01	+-
rs9672931	15	27606401	A	G	NA	Imp	0.24	6.14E-06	9.57E-01	-+
rs7995266	13	72822770	C	T	NA	G	0.11	6.15E-06	1.51E-02	+-
rs9672527	15	27605983	A	T	NA	Imp	0.24	6.25E-06	9.57E-01	-+
rs59815503	6	5747198	G	A	FARS2	Imp	0.12	6.45E-06	2.74E-01	+-
rs9672371	15	27604427	T	G	NA	Imp	0.24	6.52E-06	9.78E-01	--
rs17141229	6	5748088	T	C	FARS2	Imp	0.12	6.58E-06	2.74E-01	-+
rs10477601	5	119783561	A	G	NA	Imp	0.09	6.66E-06	4.45E-01	++

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rs12101405	15	87811189	G	C	Near AGBL1	Imp	0.26	6.96E-06	5.55E-01	++
rs13171079	5	119783096	C	A	NA	Imp	0.09	7.39E-06	4.46E-01	--
rs9330519	15	27603853	G	A	NA	Imp	0.24	7.49E-06	9.70E-01	++
rs13171094	5	119783146	T	A	NA	Imp	0.09	7.64E-06	2.76E-01	--
rs1491579	15	84178679	T	C	SH3GL3	G	0.44	7.68E-06	2.37E-01	++
rs1606767	4	138139382	C	T	NA	Imp	0.29	8.22E-06	6.32E-01	--
rs992700	4	138133304	G	A	LOC729578	Imp	0.29	8.29E-06	5.23E-01	--
chr4:138134142	4	138134142	A	T	LOC729578	Imp	0.29	8.29E-06	5.49E-01	++
rs2712208	7	107343762	G	C	SLC26A4	Imp	0.21	8.58E-06	1.90E-01	++
rs7747725	6	5761789	C	G	FARS2	Imp	0.12	8.78E-06	1.44E-01	-+
chr15:37885889	15	37885889	A	T	NA	Imp	0.22	8.79E-06	5.32E-01	++
rs6918838	6	3286134	G	A	SLC22A23	Imp	0.08	8.89E-06	9.73E-01	++
rs7740019	6	5744992	A	G	FARS2	G	0.12	8.93E-06	2.31E-01	-+
chr7:131132940	7	131132940	C	T	MKLN1	Imp	0.45	8.96E-06	8.42E-01	--
rs2270052	7	2291399	A	G	NA	G	0.37	9.06E-06	5.31E-01	-+
rs2188561	7	107336058	A	C	SLC26A4	Imp	0.21	9.17E-06	1.47E-01	--
rs7748744	6	5758827	C	G	FARS2	Imp	0.12	9.26E-06	1.65E-01	-+
rs3794988	19	15723891	G	A	NA	G	0.26	9.74E-06	1.61E-01	-+
rs12534131	7	2294123	T	C	SNX8	G	0.36	9.80E-06	5.03E-01	-+
rs4267321	16	7170088	G	A	A2BP1	Imp	0.13	9.81E-06	4.61E-01	++
rs6920448	6	5755626	C	T	FARS2	Imp	0.12	9.95E-06	2.46E-01	-+
rs13228664	7	131132340	G	A	MKLN1	G	0.45	1.00E-05	8.04E-01	--
rs17165649	7	131140211	C	T	MKLN1	G	0.45	1.00E-05	8.30E-01	--
rs13148112	4	138118905	G	A	LOC729578	G	0.25	1.02E-05	1.60E-01	--
rs7229377	18	47148299	T	C	NA	G	0.22	1.04E-05	2.70E-01	-+
rs7715848	5	156401478	G	C	NA	Imp	0.17	1.05E-05	1.97E-01	++
rs6883317	5	156398253	A	G	NA	G	0.17	1.07E-05	1.84E-01	--
rs1565310	8	82696290	G	A	Near FABP5	Imp	0.41	1.08E-05	6.50E-01	++
rs10043150	5	156396475	A	C	NA	Imp	0.17	1.09E-05	1.84E-01	--
rs1560784	8	75803536	C	A	NA	G	0.35	1.10E-05	1.68E-01	--
chr6:5741800	6	5741800	G	A	FARS2	Imp	0.11	1.10E-05	4.60E-01	-+
rs2001214	19	15724968	A	G	CYP4F8	Imp	0.26	1.14E-05	1.61E-01	-+
rs3764564	19	15724098	C	A	CYP4F8	G	0.26	1.14E-05	1.61E-01	-+
rs2570148	8	75799449	G	A	NA	Imp	0.35	1.15E-05	1.94E-01	--
rs33981648	7	2288669	C	T	NUDT1	Imp	0.36	1.15E-05	4.82E-01	-+
rs55731057	4	38798935	T	C	TLR1	Imp	0.25	1.17E-05	6.69E-02	--
rs33922585	7	2285178	T	C	NUDT1	G	0.37	1.19E-05	5.21E-01	-+
rs2570147	8	75798861	C	T	NA	Imp	0.35	1.19E-05	1.94E-01	--
rs4719462	7	2266384	G	A	MAD1L1	Imp	0.39	1.24E-05	9.95E-01	--
rs6429077	1	238562046	G	A	NA	Imp	0.20	1.24E-05	6.44E-01	--
rs7549053	1	238561021	T	C	NA	Imp	0.20	1.24E-05	6.44E-01	++
rs7835251	8	82697768	G	A	Near FABP5	Imp	0.41	1.26E-05	5.66E-01	++
rs11634094	15	87818878	A	G	Near AGBL1	Imp	0.26	1.27E-05	5.31E-01	--
rs947520	1	238563936	G	C	NA	Imp	0.20	1.28E-05	6.44E-01	--
rs2065816	1	238558544	A	G	NA	Imp	0.20	1.30E-05	6.44E-01	++
rs3913350	15	87814253	T	G	Near AGBL1	G	0.25	1.34E-05	6.17E-01	--
rs2825980	21	21434934	C	A	NA	G	0.14	1.37E-05	2.28E-01	-+
rs2712207	7	107352117	A	G	SLC26A4	Imp	0.21	1.38E-05	1.90E-01	--
rs2398668	7	2298227	T	C	LOC727926	G	0.37	1.39E-05	4.83E-01	-+
rs4659525	1	238564736	G	T	NA	Imp	0.20	1.40E-05	6.44E-01	--
rs11937897	4	138118960	A	G	LOC729578	Imp	0.25	1.43E-05	1.46E-01	++
rs923542	1	238559897	C	A	NA	G	0.20	1.43E-05	6.44E-01	--
rs6911736	6	5751269	T	C	FARS2	Imp	0.12	1.45E-05	2.72E-01	-+
rs10889785	1	69075013	T	A	NA	Imp	0.15	1.48E-05	9.68E-01	-+
rs4833095	4	38799710	C	T	TLR1	G	0.25	1.50E-05	8.11E-02	++
rs12673108	7	2286487	A	C	NUDT1	Imp	0.38	1.53E-05	5.30E-01	-+
rs10502416	18	12822702	T	G	PTPN2	G	0.24	1.54E-05	8.36E-01	-+
rs62382402	5	156391818	T	C	NA	Imp	0.17	1.54E-05	1.84E-01	--
rs10789268	1	69079128	G	C	NA	Imp	0.16	1.55E-05	9.22E-01	-+
rs10465626	1	238558817	A	C	NA	Imp	0.20	1.55E-05	6.91E-01	++
rs6931033	6	5760244	A	T	FARS2	Imp	0.12	1.56E-05	1.95E-01	-+

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rs753100	6	5752824	C	G	FARS2	Imp	0.12	1.57E-05	2.73E-01	-+
rs15956	7	131180918	C	T	MKLN1	G	0.45	1.58E-05	8.11E-01	--
rs12909748	15	87817547	T	G	Near AGBL1	Imp	0.26	1.61E-05	6.04E-01	--
rs5743604	4	38801285	G	A	TLR1	Imp	0.24	1.63E-05	6.27E-02	++
rs6833974	4	138119083	A	G	LOC729578	Imp	0.25	1.66E-05	1.60E-01	++
rs55876899	19	44592202	C	T	NA	Imp	0.18	1.67E-05	2.26E-01	++
rs12624655	20	46804959	T	G	NA	G	0.07	1.73E-05	1.18E-01	--
rs2712218	7	107356759	A	G	SLC26A4	Imp	0.21	1.73E-05	1.92E-01	--
rs4739828	8	82704294	G	A	Near FABP5	Imp	0.41	1.84E-05	6.28E-01	++
rs2240533	14	71541026	C	T	PCNX	G	0.32	1.84E-05	9.00E-01	+-
rs1417394	6	148532022	A	G	NA	Imp	0.41	1.88E-05	7.39E-02	+-
rs9409571	9	97264757	C	T	NA	Imp	0.08	1.90E-05	1.88E-01	+-
rs11099428	4	138122354	C	T	LOC729578	Imp	0.25	1.96E-05	1.46E-01	--
rs12482252	21	21436986	C	T	NA	Imp	0.14	2.00E-05	2.68E-01	+-
rs6473304	8	82702235	T	C	Near FABP5	Imp	0.41	2.07E-05	6.17E-01	--
rs2895726	8	82703302	C	G	Near FABP5	Imp	0.41	2.08E-05	6.17E-01	--
rs12482023	21	21436455	G	A	NA	Imp	0.14	2.09E-05	2.68E-01	+-
chr18:12826836	18	12826836	A	G	PTPN2	Imp	0.24	2.15E-05	8.68E-01	-+
rs17616434	4	38812876	C	T	TLR1	G	0.25	2.17E-05	7.17E-02	++
rs831125	5	67587434	G	A	PIK3R1	Imp	0.10	2.21E-05	3.29E-01	+-
rs2825981	21	21435148	G	A	NA	G	0.14	2.22E-05	2.68E-01	+-
rs7011481	8	82699121	G	C	Near FABP5	Imp	0.41	2.24E-05	5.98E-01	++
rs1450542	12	45195295	G	T	NELL2	Imp	0.25	2.24E-05	9.54E-01	+-
rs11762508	7	2214170	C	G	MAD1L1	Imp	0.40	2.25E-05	8.06E-01	++
rs6690847	1	238556742	G	T	NA	Imp	0.25	2.26E-05	3.98E-01	--
rs1450541	12	45195228	T	G	NELL2	G	0.25	2.27E-05	9.54E-01	-+
rs62097820	18	12834649	T	A	PTPN2	Imp	0.24	2.28E-05	8.64E-01	+-
rs1450543	12	45198237	A	G	NELL2	Imp	0.25	2.30E-05	9.54E-01	-+
rs7553212	1	216738788	G	A	ESRRG	G	0.33	2.32E-05	7.25E-02	++
rs5014113	8	82695476	G	A	Near FABP5	Imp	0.39	2.36E-05	9.82E-01	-+
rs6570825	6	148546210	A	G	NA	Imp	0.39	2.38E-05	7.18E-02	+-
rs1934806	6	148516822	G	A	NA	Imp	0.38	2.41E-05	2.74E-02	+
rs1353899	3	177228979	G	T	LINC00580	Imp	0.19	2.45E-05	4.22E-02	--
rs6593185	7	50858645	A	G	GRB10	G	0.48	2.45E-05	2.92E-01	++
rs4719468	7	2285019	C	G	NUDT1	Imp	0.36	2.45E-05	4.84E-01	+-
rs6956243	7	107388911	C	T	LOC100128737	Imp	0.24	2.45E-05	3.36E-01	++
rs6924166	6	148521061	C	T	NA	Imp	0.38	2.47E-05	2.52E-02	-+
rs13231387	7	107389979	T	C	CBLL1	Imp	0.25	2.47E-05	3.36E-01	--
rs1160027	17	53818102	T	G	NA	G	0.23	2.48E-05	9.54E-01	--
rs7964017	12	45185542	A	G	NELL2	Imp	0.25	2.50E-05	9.67E-01	-+
rs7846264	8	82694974	C	T	Near FABP5	G	0.41	2.50E-05	5.89E-01	++
rs1875674	17	50306841	T	C	NA	G	0.46	2.54E-05	3.83E-01	-+
rs13226711	7	107395342	A	G	CBLL1	Imp	0.25	2.54E-05	3.26E-01	--
rs6570821	6	148517345	T	C	NA	Imp	0.38	2.57E-05	1.87E-02	+-
rs7836157	8	82698362	G	A	Near FABP5	G	0.41	2.58E-05	5.89E-01	++
rs7835201	8	82698019	A	T	Near FABP5	Imp	0.41	2.58E-05	5.89E-01	--
rs7835042	8	82697896	A	G	Near FABP5	Imp	0.41	2.58E-05	5.89E-01	--
rs7787927	7	107404360	A	C	SLC26A3	Imp	0.24	2.64E-05	3.08E-01	--
chr5:137412457	5	137412457	A	G	NA	Imp	0.18	2.68E-05	8.42E-01	--
rs7760944	6	148521502	A	G	NA	G	0.38	2.68E-05	1.74E-02	+-
rs12599104	16	7173387	G	A	A2BP1	Imp	0.10	2.69E-05	2.65E-01	++
rs7760794	6	148521441	A	G	NA	G	0.38	2.69E-05	1.70E-02	+-
rs4650073	1	71076662	A	G	NA	Imp	0.37	2.69E-05	2.82E-01	-+
rs6473302	8	82697325	C	T	Near FABP5	Imp	0.42	2.70E-05	5.89E-01	++
rs2328857	6	148520464	T	G	NA	Imp	0.38	2.72E-05	2.64E-02	+-
rs8108021	19	44595422	A	G	NA	Imp	0.18	2.72E-05	3.22E-01	--
rs56353321	19	44592403	T	C	NA	Imp	0.18	2.74E-05	3.07E-01	--
chr5:137418411	5	137418411	T	C	NA	Imp	0.18	2.75E-05	9.52E-01	--
rs11936529	4	138005442	G	T	LOC729578	Imp	0.45	2.76E-05	3.57E-02	-+
rs4730258	7	107396232	G	A	CBLL1	Imp	0.25	2.81E-05	3.26E-01	++
rs7737549	5	137320652	A	G	C5orf5	Imp	0.18	2.85E-05	8.09E-01	--

Supp Table2

rs6473306	8	82704598	T	C	Near FABP5	Imp	0.41	2.86E-05	6.96E-01	--
rs4386860	6	3280621	G	C	SLC22A23	Imp	0.08	2.87E-05	9.03E-01	++
rs13356746	5	137385806	A	G	NA	Imp	0.18	2.88E-05	8.09E-01	--
rs56331448	5	137404831	C	T	NA	Imp	0.18	2.92E-05	9.20E-01	++
rs6939553	6	148532416	T	A	NA	Imp	0.41	2.95E-05	6.59E-02	+
chr11:42976862	11	42976862	T	C	NA	Imp	0.14	2.95E-05	8.87E-01	+
rs60595983	5	137390720	A	G	NA	Imp	0.18	2.95E-05	8.10E-01	--
rs28784623	5	137379648	T	C	NA	Imp	0.18	2.96E-05	8.15E-01	--
rs12363299	11	42979811	A	G	NA	G	0.14	2.97E-05	9.02E-01	+
chr11:42977976	11	42977976	C	G	NA	Imp	0.14	2.97E-05	8.87E-01	+
rs12705421	7	107401429	G	A	NA	Imp	0.24	2.99E-05	3.26E-01	++
rs7777754	7	50666033	T	G	GRB10	Imp	0.31	2.99E-05	5.04E-01	--
rs4802204	19	44597295	C	A	ZNF224	Imp	0.17	3.01E-05	3.15E-01	++
rs4802207	19	44600377	C	T	ZNF224	G	0.18	3.01E-05	3.15E-01	++
rs8108404	19	44603975	G	T	ZNF224	Imp	0.18	3.03E-05	2.57E-01	++
rs9405625	6	3294843	G	A	SLC22A23	Imp	0.07	3.03E-05	8.50E-01	++
rs9378776	6	3294810	T	C	SLC22A23	Imp	0.07	3.04E-05	8.50E-01	--
rs7705323	5	137400673	C	T	NA	Imp	0.18	3.04E-05	8.41E-01	++
rs17109053	14	71609698	C	G	NA	Imp	0.28	3.05E-05	9.06E-01	+
chr5:119706275	5	119706275	T	G	NA	Imp	0.08	3.07E-05	3.11E-01	++
rs3783355	14	101308958	A	G	LOC100130955	G	0.25	3.11E-05	6.82E-01	++
rs4521639	6	3280600	C	G	SLC22A23	Imp	0.08	3.13E-05	9.03E-01	--
rs4802205	19	44597429	G	A	ZNF224	Imp	0.17	3.14E-05	3.15E-01	++
rs2584173	15	87851985	A	C	Near AGBL1	Imp	0.32	3.15E-05	3.52E-01	--
rs62115526	19	44604914	T	C	ZNF224	Imp	0.17	3.16E-05	2.69E-01	--
rs4385351	6	3280591	A	C	SLC22A23	Imp	0.08	3.17E-05	9.03E-01	--
rs2040205	21	21448471	G	T	NA	Imp	0.15	3.18E-05	1.58E-01	+-
rs55809453	5	137370463	G	T	LOC100130172	Imp	0.18	3.18E-05	8.34E-01	++
rs2223136	21	21453682	G	A	NA	Imp	0.15	3.19E-05	1.58E-01	+-
rs2826004	21	21454669	C	A	NA	Imp	0.15	3.20E-05	1.58E-01	+-
rs2825992	21	21443755	G	T	NA	Imp	0.15	3.21E-05	1.41E-01	+-
rs1024779	2	49137137	A	G	NA	G	0.38	3.23E-05	1.27E-01	+-
rs6901527	6	5763194	T	A	FARS2	Imp	0.12	3.23E-05	1.90E-01	+-
chr5:137415302	5	137415302	G	A	NA	Imp	0.18	3.24E-05	8.41E-01	++
rs2825999	21	21452715	G	A	NA	Imp	0.15	3.26E-05	1.61E-01	+-
rs12910195	15	87829960	G	A	Near AGBL1	Imp	0.26	3.28E-05	4.28E-01	++
rs2825989	21	21441562	C	T	NA	Imp	0.15	3.31E-05	1.29E-01	+-
rs10904018	10	3330360	T	G	NA	Imp	0.36	3.31E-05	9.20E-01	+
rs2825988	21	21441535	A	T	NA	Imp	0.15	3.31E-05	1.29E-01	+-
rs1564103	5	137340218	A	C	C5orf5	Imp	0.17	3.35E-05	8.79E-01	--
rs9409570	9	97259070	T	C	NA	Imp	0.08	3.35E-05	1.74E-01	+-
rs9485260	6	148545616	G	C	NA	Imp	0.39	3.38E-05	7.18E-02	+
rs6570824	6	148545817	T	C	NA	Imp	0.39	3.39E-05	8.49E-02	+-
chr5:137332325	5	137332325	G	A	C5orf5	Imp	0.18	3.40E-05	8.09E-01	++
rs2164518	15	96311424	G	C	NA	Imp	0.08	3.41E-05	8.76E-01	+-
rs9327806	5	137348197	C	A	C5orf5	Imp	0.18	3.41E-05	9.19E-01	++
rs28587093	5	137344187	A	C	C5orf5	Imp	0.18	3.42E-05	8.09E-01	--
rs62115524	19	44592935	A	G	NA	Imp	0.18	3.42E-05	3.10E-01	--
rs1041046	1	69002658	T	C	NA	G	0.15	3.43E-05	9.63E-01	+-
rs4435990	6	3280644	C	T	SLC22A23	Imp	0.08	3.44E-05	8.96E-01	++
rs10808154	7	107386396	A	G	LOC100128737	Imp	0.24	3.44E-05	3.16E-01	--
rs56268907	14	71606714	T	C	NA	Imp	0.28	3.44E-05	9.26E-01	+
rs1564104	5	137340297	A	G	C5orf5	Imp	0.18	3.46E-05	8.09E-01	--
chr5:137422507	5	137422507	C	T	WNT8A	Imp	0.18	3.49E-05	9.33E-01	++
rs10754634	1	238558150	T	G	NA	Imp	0.20	3.49E-05	6.81E-01	++
rs7972284	12	45167183	T	C	NELL2	Imp	0.26	3.49E-05	9.88E-01	+
chr9:109941783	9	109941783	G	A	NA	Imp	0.16	3.50E-05	3.25E-01	--
rs12178149	6	3280891	G	A	SLC22A23	Imp	0.08	3.50E-05	8.96E-01	++
rs4277911	5	137340443	T	C	C5orf5	Imp	0.18	3.52E-05	8.09E-01	--
rs3746321	19	44612005	A	G	ZNF224	Imp	0.17	3.53E-05	2.72E-01	--
rs3200505	19	44612014	A	T	ZNF224	Imp	0.17	3.56E-05	2.72E-01	--

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rs59043121	4	72735857	G	A	NA	Imp	0.08	3.59E-05	9.79E-01	+-
rs12178157	6	3280922	G	A	SLC22A23	Imp	0.08	3.59E-05	8.96E-01	++
rs6570826	6	148549104	G	T	NA	Imp	0.39	3.59E-05	6.79E-02	-+
rs12178148	6	3280875	G	A	SLC22A23	Imp	0.08	3.64E-05	8.96E-01	++
rs11037173	11	42970057	A	C	NA	Imp	0.13	3.66E-05	8.87E-01	-+
rs11037174	11	42970128	C	G	NA	Imp	0.14	3.66E-05	8.87E-01	-+
rs2201961	15	87821953	A	T	Near AGBL1	Imp	0.25	3.66E-05	5.12E-01	--
rs9920857	15	87830530	T	C	Near AGBL1	G	0.26	3.67E-05	4.95E-01	--
rs11037170	11	42969651	T	G	NA	Imp	0.13	3.68E-05	8.87E-01	-+
rs56229275	11	42971823	A	G	NA	Imp	0.14	3.69E-05	8.87E-01	-+
rs12181510	6	3280880	C	T	SLC22A23	Imp	0.08	3.69E-05	8.96E-01	++
rs11037172	11	42969950	G	A	NA	Imp	0.14	3.69E-05	8.87E-01	-+
rs7106116	11	42971168	C	G	NA	Imp	0.14	3.70E-05	8.87E-01	-+
chr11:42971112	11	42971112	C	T	NA	Imp	0.13	3.71E-05	8.87E-01	+-
rs1392219	3	177222429	T	C	LINC00578	G	0.20	3.72E-05	3.68E-02	++
rs59539624	3	177227517	T	G	LINC00579	Imp	0.20	3.73E-05	9.33E-02	++
rs6993088	8	3330914	A	G	CSMD1	Imp	0.39	3.73E-05	4.04E-01	--
rs56316096	5	137314066	G	A	C5orf5	Imp	0.18	3.74E-05	8.09E-01	++
rs17523263	5	137314469	C	T	C5orf5	Imp	0.18	3.74E-05	8.09E-01	++
rs2068495	15	87851742	T	C	Near AGBL1	Imp	0.33	3.74E-05	3.43E-01	--
rs5743551	4	38807654	C	T	TLR1	Imp	0.25	3.74E-05	8.93E-02	++
rs847811	2	64990197	G	A	NA	Imp	0.05	3.77E-05	4.51E-01	++
rs847810	2	64990735	T	C	NA	Imp	0.05	3.79E-05	4.51E-01	--
rs4887173	15	87835626	A	G	Near AGBL1	Imp	0.32	3.81E-05	3.50E-01	--
rs1668304	15	87826340	C	T	Near AGBL1	Imp	0.26	3.83E-05	5.59E-01	++
rs10036244	5	137419725	G	A	WNT8A	G	0.18	3.84E-05	8.41E-01	++
rs1996408	19	44532732	G	A	ZNF222	G	0.29	3.86E-05	6.33E-01	-+
rs2705488	15	87827353	G	C	Near AGBL1	Imp	0.26	3.89E-05	5.59E-01	++
rs12188288	5	84501539	C	T	NA	Imp	0.31	3.91E-05	9.59E-02	-+
rs11080606	18	12867969	C	T	PTPN2	G	0.29	3.93E-05	6.39E-01	+-
rs10420143	19	44608082	A	G	ZNF224	Imp	0.13	3.93E-05	1.27E-01	--
rs1711949	6	1405483	T	C	NA	Imp	0.28	3.98E-05	6.96E-01	-+
rs10063793	5	84518137	A	G	NA	Imp	0.31	4.01E-05	8.47E-02	-+
rs8091720	18	12865186	T	C	PTPN2	Imp	0.29	4.01E-05	6.39E-01	-+
rs6873072	5	137386153	G	A	NA	Imp	0.19	4.04E-05	8.18E-01	++
rs10056249	5	119685686	A	G	NA	Imp	0.08	4.07E-05	3.39E-01	++
chr13:107700332	13	107700332	T	G	GPC5	Imp	0.13	4.10E-05	7.56E-01	++
rs12404688	1	69815440	A	G	NA	G	0.05	4.10E-05	8.45E-01	-+
rs10889781	1	69019502	A	G	NA	Imp	0.15	4.12E-05	7.95E-01	-+
rs7255145	19	44535739	G	A	ZNF222	Imp	0.30	4.17E-05	6.86E-01	-+
rs714809	5	119690007	T	C	NA	Imp	0.09	4.18E-05	3.11E-01	++
rs4803667	19	44533604	T	C	ZNF222	Imp	0.30	4.18E-05	6.84E-01	-+
rs7258517	19	44535999	G	T	ZNF222	G	0.30	4.19E-05	6.82E-01	-+
rs17141252	6	5766453	T	C	FARS2	G	0.12	4.20E-05	1.49E-01	-+
rs4768571	12	45166605	C	T	NELL2	Imp	0.26	4.20E-05	9.88E-01	+-
rs4719469	7	2286778	C	T	NUDT1	Imp	0.38	4.20E-05	6.21E-01	-+
rs1600231	16	7171641	C	G	A2BP1	Imp	0.10	4.20E-05	2.26E-01	--
rs62097858	18	12862581	A	G	PTPN2	Imp	0.29	4.20E-05	6.39E-01	-+
rs13361317	5	119684679	A	G	NA	Imp	0.09	4.22E-05	3.38E-01	++
rs888047	7	36287032	C	T	EEPD1	G	0.29	4.23E-05	6.81E-01	--
rs6496408	15	87832351	G	C	Near AGBL1	Imp	0.26	4.23E-05	5.15E-01	++
rs7782475	7	107386251	T	C	LOC100128737	Imp	0.25	4.23E-05	3.16E-01	--
rs17089123	13	72838315	T	C	NA	Imp	0.08	4.25E-05	1.08E-02	-+
rs10889779	1	69009933	T	C	NA	Imp	0.15	4.28E-05	7.95E-01	-+
rs3786158	18	12843275	A	G	PTPN2	Imp	0.28	4.32E-05	5.40E-01	-+
rs3737361	18	12831324	C	T	PTPN2	Imp	0.28	4.35E-05	5.41E-01	-+
rs10054679	5	84533754	T	G	NA	G	0.32	4.36E-05	1.03E-01	-+
rs10039795	5	84502792	G	C	NA	Imp	0.30	4.41E-05	8.40E-02	-+
chr4:72750339	4	72750339	T	C	NA	Imp	0.08	4.42E-05	9.81E-01	--
rs1875084	15	87810042	A	G	Near AGBL1	Imp	0.44	4.42E-05	6.12E-01	++
rs10051546	5	119683583	C	T	NA	Imp	0.09	4.44E-05	3.38E-01	--

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rs11037169	11	42969116	A	G	NA	G	0.14	4.47E-05	9.05E-01	-+
rs12361385	11	42969472	C	G	NA	Imp	0.14	4.47E-05	9.05E-01	-+
rs12405366	1	69007735	T	C	NA	Imp	0.15	4.48E-05	8.83E-01	+-
rs11209321	1	69022532	T	A	NA	Imp	0.15	4.52E-05	7.95E-01	-+
rs1924529	1	69022171	A	G	NA	Imp	0.15	4.54E-05	7.95E-01	-+
rs28896300	11	42967428	C	G	NA	Imp	0.14	4.54E-05	9.09E-01	-+
rs7256908	19	44528898	C	T	ZNF222	G	0.29	4.56E-05	9.51E-01	+-
rs17114501	12	75443180	C	T	KCNC2	Imp	0.09	4.57E-05	2.81E-01	++
rs12535174	7	2310974	T	C	SNX8	G	0.39	4.58E-05	7.58E-01	-+
rs2237679	7	107334026	T	C	LOC100128597	G	0.24	4.59E-05	2.65E-01	--
rs9322135	6	148550549	T	C	NA	Imp	0.39	4.61E-05	7.59E-02	-+
rs17164648	5	119682607	A	G	NA	Imp	0.09	4.63E-05	3.43E-01	++
rs12181519	6	3280947	C	G	SLC22A23	Imp	0.08	4.63E-05	8.96E-01	--
rs7177388	15	87817421	C	T	Near AGBL1	G	0.45	4.64E-05	5.29E-01	--
rs35784163	5	84472152	T	C	NA	Imp	0.31	4.65E-05	2.45E-01	-+
rs1711973	6	1402537	T	C	NA	G	0.28	4.66E-05	7.40E-01	-+
rs59677118	9	14441677	A	G	NA	Imp	0.09	4.70E-05	7.83E-03	++
rs9925856	16	7168928	T	G	A2BP1	Imp	0.10	4.70E-05	1.91E-01	--
rs7244152	18	12854294	C	G	PTPN2	Imp	0.28	4.70E-05	5.64E-01	-+
rs9403931	6	148533454	A	G	NA	Imp	0.41	4.74E-05	6.75E-02	-+
rs2143586	1	69054529	C	G	NA	Imp	0.20	4.77E-05	6.69E-01	-+
rs10038415	5	137300867	C	T	C5orf5	Imp	0.18	4.81E-05	8.09E-01	++
rs11080605	18	12847329	C	T	PTPN2	Imp	0.28	4.91E-05	5.73E-01	-+
rs4494564	16	7169972	C	T	A2BP1	Imp	0.10	4.97E-05	1.83E-01	++
rs36061340	8	101807230	T	C	NA	Imp	0.06	5.00E-05	4.43E-02	--
rs1817108	8	82773872	A	T	Near SNX16	Imp	0.41	5.00E-05	9.23E-01	-+
rs3746319	19	44612231	A	G	ZNF224	G	0.17	5.01E-05	3.30E-01	--
rs6815814	4	38816338	C	A	TLR1	Imp	0.25	5.03E-05	1.37E-01	++
rs7771180	6	148523141	A	G	NA	Imp	0.39	5.03E-05	1.19E-02	-+
rs11794354	9	109936874	T	C	NA	Imp	0.16	5.03E-05	3.00E-01	++
rs4404694	5	29747531	A	G	NA	Imp	0.30	5.04E-05	4.88E-01	-+
rs901478	15	59425158	A	G	NA	G	0.11	5.06E-05	3.50E-01	-+
rs277345	1	75318637	G	T	Near SLC44A5	Imp	0.25	5.06E-05	1.44E-01	-+
rs4721527	7	2306655	A	G	SNX8	Imp	0.39	5.07E-05	7.24E-01	-+
rs6573140	14	57732994	G	T	EXOC5	Imp	0.06	5.11E-05	1.86E-01	++
rs34123713	8	3329606	T	G	CSMD1	Imp	0.39	5.13E-05	4.93E-01	--
rs5017449	8	82694471	A	C	Near FABP5	Imp	0.44	5.14E-05	5.67E-01	--
chr13:107693945	13	107693945	C	T	GPC5	Imp	0.13	5.17E-05	7.31E-01	--
chr12:75419846	12	75419846	T	C	KCNC2	Imp	0.09	5.21E-05	3.70E-01	--
chr13:107707686	13	107707686	T	C	GPC5	Imp	0.13	5.22E-05	7.15E-01	++
rs9652563	15	84108982	G	A	NA	Imp	0.43	5.24E-05	3.01E-01	--
rs13166222	5	29749483	G	A	NA	Imp	0.29	5.25E-05	4.80E-01	-+
rs11242400	5	137299347	A	G	C5orf5	Imp	0.18	5.25E-05	8.09E-01	--
rs12669625	7	2315950	T	C	SNX8	Imp	0.39	5.25E-05	7.57E-01	-+
rs4562054	5	29748458	C	T	NA	Imp	0.30	5.25E-05	5.01E-01	-+
rs4557401	5	137283812	C	T	C5orf5	G	0.18	5.26E-05	8.19E-01	++
rs28687894	1	30033114	C	T	NA	Imp	0.43	5.26E-05	2.51E-01	++
rs7792045	7	2316852	T	C	SNX8	G	0.39	5.27E-05	6.93E-01	-+
rs11629659	15	87822814	A	G	Near AGBL1	Imp	0.26	5.30E-05	6.08E-01	--
rs6983754	8	82795880	G	A	Near SNX16	Imp	0.41	5.31E-05	9.25E-01	-+
rs10141911	14	57730851	T	C	EXOC5	Imp	0.06	5.33E-05	1.68E-01	--
rs6889412	5	137431957	T	C	NA	Imp	0.18	5.34E-05	9.33E-01	--
rs10036824	5	137298664	C	T	C5orf5	Imp	0.18	5.35E-05	8.09E-01	++
rs28631116	1	30034107	G	A	NA	Imp	0.43	5.36E-05	2.44E-01	++
rs11256666	10	10589864	A	T	NA	Imp	0.08	5.36E-05	9.71E-01	--
rs34417375	7	2315105	T	C	SNX8	Imp	0.39	5.39E-05	7.14E-01	-+
chr12:75440784	12	75440784	G	C	KCNC2	Imp	0.09	5.40E-05	3.02E-01	++
rs7751251	6	148527798	T	C	NA	Imp	0.38	5.42E-05	1.91E-02	-+
chr5:137285349	5	137285349	T	C	C5orf5	Imp	0.18	5.42E-05	8.09E-01	--
rs10111831	8	82791846	C	T	Near SNX16	G	0.41	5.49E-05	9.30E-01	-+
rs9559260	13	108774957	A	G	NA	Imp	0.33	5.49E-05	6.23E-02	-+

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rs16975604	15	96307621	G	C	NA	Imp	0.08	5.50E-05	8.75E-01	+-
chr12:75432350	12	75432350	G	T	KCNC2	Imp	0.09	5.51E-05	2.72E-01	++
rs427459	15	84103691	A	C	NA	G	0.43	5.52E-05	3.12E-01	++
rs10147752	14	57732270	G	A	EXOC5	Imp	0.06	5.52E-05	1.68E-01	++
rs4453443	15	87824307	A	G	Near AGBL1	Imp	0.44	5.53E-05	5.15E-01	++
rs1915189	4	72774077	G	A	NA	Imp	0.08	5.54E-05	7.10E-01	++
rs7544408	1	75698825	C	G	SLC44A5	Imp	0.40	5.55E-05	9.90E-01	-+
rs7147218	14	57722057	G	T	EXOC5	Imp	0.06	5.57E-05	2.29E-01	++
rs10098684	8	82791799	T	G	Near SNX16	Imp	0.41	5.58E-05	9.31E-01	+-
rs11639312	15	87845959	C	T	Near AGBL1	Imp	0.33	5.58E-05	2.91E-01	++
rs2400544	8	82786048	G	T	Near SNX16	Imp	0.41	5.59E-05	9.98E-01	--
rs11632912	15	87846085	A	G	Near AGBL1	Imp	0.33	5.59E-05	2.91E-01	--
rs10087411	8	82792584	A	T	Near SNX16	Imp	0.41	5.60E-05	9.30E-01	+-
rs10050485	5	137430332	A	G	NA	Imp	0.18	5.70E-05	9.33E-01	--
rs2061332	19	44613661	A	C	NA	G	0.18	5.71E-05	3.03E-01	--
rs5027056	5	29750276	C	T	NA	Imp	0.29	5.71E-05	5.14E-01	-+
chr4:72774867	4	72774867	C	T	NA	Imp	0.08	5.72E-05	7.20E-01	++
rs1817106	8	82789453	T	C	Near SNX16	Imp	0.41	5.74E-05	9.93E-01	+-
rs4721534	7	2312568	G	A	SNX8	Imp	0.39	5.82E-05	6.94E-01	-+
rs1817107	8	82789609	T	C	Near SNX16	G	0.41	5.82E-05	9.93E-01	+-
rs6999102	8	82795419	T	G	Near SNX16	Imp	0.41	5.83E-05	9.25E-01	+-
rs10099370	8	82792376	T	C	Near SNX16	Imp	0.41	5.84E-05	9.30E-01	+-
rs4409363	8	82788255	T	C	Near SNX16	Imp	0.41	5.84E-05	9.83E-01	++
rs62512879	8	82778562	A	G	Near SNX16	Imp	0.41	5.87E-05	8.51E-01	+-
rs13154169	5	119762605	T	C	NA	Imp	0.07	5.88E-05	2.15E-01	++
rs55875237	5	156415029	T	C	NA	Imp	0.17	5.90E-05	4.90E-01	--
rs34502289	7	2311266	A	G	SNX8	Imp	0.39	5.94E-05	7.70E-01	+-
rs12460993	19	15698282	T	C	NA	Imp	0.25	5.95E-05	1.88E-01	-+
rs7032927	9	109949144	G	A	NA	G	0.16	5.95E-05	4.14E-01	--
rs28706690	1	30037536	A	T	NA	Imp	0.35	5.98E-05	1.58E-01	--
rs10044267	5	156416429	A	G	NA	Imp	0.17	5.98E-05	4.90E-01	--
rs9504503	6	5741731	T	G	FARS2	G	0.16	5.98E-05	6.72E-02	-+
rs12050560	15	96308221	G	A	NA	Imp	0.08	6.01E-05	8.75E-01	+-
rs7720650	5	137442353	A	G	NA	G	0.18	6.01E-05	9.10E-01	--
rs61954104	13	66282880	G	C	NA	Imp	0.06	6.04E-05	8.86E-01	-+
rs953988	17	50311047	C	T	NA	Imp	0.39	6.05E-05	6.13E-01	-+
rs10141811	14	57730748	T	C	EXOC5	Imp	0.06	6.06E-05	1.91E-01	--
rs61954101	13	66278609	G	A	NA	Imp	0.06	6.06E-05	8.86E-01	-+
rs2196673	7	38539735	A	C	AMPH	G	0.32	6.06E-05	7.59E-01	+-
rs4370288	5	29750846	G	T	NA	Imp	0.30	6.07E-05	5.14E-01	-+
rs16940117	15	87850132	A	G	Near AGBL1	Imp	0.32	6.08E-05	3.97E-01	--
rs28407457	1	30037380	G	T	NA	Imp	0.36	6.09E-05	1.18E-01	++
rs1597751	8	82782460	C	G	Near SNX16	Imp	0.41	6.09E-05	9.51E-01	+-
rs34406003	20	61877875	T	C	NKAIN4	Imp	0.36	6.10E-05	7.78E-01	+-
rs35473038	8	3329848	A	G	CSMD1	Imp	0.39	6.10E-05	4.16E-01	--
rs1451994	8	82777062	A	G	Near SNX16	G	0.41	6.11E-05	9.23E-01	+-
rs4887279	15	87846448	A	C	Near AGBL1	Imp	0.33	6.13E-05	2.89E-01	--
rs13361012	5	119754079	G	C	NA	Imp	0.07	6.15E-05	2.46E-01	--
rs7750434	6	3281726	A	C	SLC22A23	G	0.08	6.17E-05	8.99E-01	--
rs28648911	1	30036203	C	T	NA	Imp	0.43	6.24E-05	1.24E-01	++
rs9504505	6	5746943	C	T	FARS2	G	0.16	6.24E-05	1.36E-01	+-
rs2198235	8	82782108	T	C	Near SNX16	Imp	0.40	6.26E-05	9.51E-01	+-
rs35542721	8	3329509	G	A	CSMD1	Imp	0.40	6.26E-05	4.93E-01	++
rs10470656	3	26700670	C	T	LRRRC3B	Imp	0.23	6.26E-05	5.01E-01	-+
rs7674966	4	179522183	G	A	NA	Imp	0.11	6.27E-05	9.45E-01	--
rs2072064	7	107334513	A	T	SLC26A4	Imp	0.24	6.28E-05	2.65E-01	--
rs716690	14	57728652	T	C	EXOC5	Imp	0.06	6.28E-05	1.91E-01	--
rs4887278	15	87846430	T	G	Near AGBL1	Imp	0.33	6.30E-05	2.93E-01	--
rs6573137	14	57699904	G	A	EXOC5	G	0.06	6.31E-05	2.40E-01	++
rs1668310	15	87824542	C	T	Near AGBL1	Imp	0.26	6.33E-05	6.30E-01	++
rs10068206	5	119756406	A	G	NA	Imp	0.07	6.37E-05	2.46E-01	++

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rs34327448	17	50261956	T	A	NA	Imp	0.29	6.40E-05	2.86E-01	-+
rs12676438	8	82765563	C	T	Near SNX16	Imp	0.41	6.43E-05	9.11E-01	-+
rs28618972	15	87846784	G	A	Near AGBL1	Imp	0.32	6.45E-05	3.21E-01	++
rs34626694	17	50260366	T	C	NA	Imp	0.31	6.46E-05	4.05E-01	+-
rs33936956	5	119748882	A	G	NA	Imp	0.07	6.49E-05	2.46E-01	++
rs34262822	7	2304275	T	C	SNX8	Imp	0.39	6.51E-05	7.41E-01	+-
rs11637453	15	87849266	T	C	Near AGBL1	Imp	0.33	6.52E-05	3.20E-01	--
rs11850616	14	57731973	T	C	EXOC5	Imp	0.06	6.54E-05	1.94E-01	--
chr4:138148706	4	138148706	A	T	NA	Imp	0.25	6.57E-05	3.35E-01	++
rs1379051	5	29760433	G	A	NA	Imp	0.29	6.59E-05	5.00E-01	-+
rs4887174	15	87847746	A	T	Near AGBL1	Imp	0.33	6.62E-05	3.58E-01	--
rs13359605	5	137279921	A	G	C5orf5	Imp	0.18	6.63E-05	7.95E-01	--
rs277395	1	75283643	C	T	Near SLC44A5	Imp	0.28	6.65E-05	1.20E-01	+
rs10418363	19	44525463	A	G	NA	Imp	0.29	6.66E-05	9.40E-01	--
rs6834581	4	38788234	C	T	TLR10 TLR1	Imp	0.24	6.67E-05	3.79E-02	++
rs2198237	8	82782053	T	C	Near SNX16	Imp	0.41	6.68E-05	9.51E-01	+-
rs11634661	15	87847244	G	C	Near AGBL1	Imp	0.33	6.68E-05	3.30E-01	++
rs2236193	20	61878632	A	G	NKAIN4	Imp	0.36	6.69E-05	8.54E-01	+-
rs28437406	8	82767901	A	C	Near SNX16	Imp	0.41	6.74E-05	9.44E-01	+-
rs7242788	18	12820330	A	T	PTPN2	Imp	0.29	6.74E-05	6.25E-01	-+
rs277392	1	75282962	G	T	Near SLC44A5	Imp	0.27	6.75E-05	1.20E-01	-+
chr4:72787901	4	72787901	C	T	NA	Imp	0.08	6.76E-05	6.66E-01	++
rs11987669	8	82770490	G	A	Near SNX16	Imp	0.41	6.79E-05	9.12E-01	-+
rs62033614	15	87829502	A	G	Near AGBL1	Imp	0.44	6.79E-05	5.81E-01	++
rs1451997	8	82774053	T	A	Near SNX16	Imp	0.24	6.82E-05	8.74E-01	+-
rs11630829	15	87847188	C	T	Near AGBL1	G	0.33	6.83E-05	3.37E-01	++
rs11086158	20	61879752	A	C	NKAIN4	Imp	0.35	6.84E-05	8.71E-01	+-
rs1248441	1	75284668	T	C	Near SLC44A5	Imp	0.27	6.91E-05	1.20E-01	+-
rs56369924	4	72792820	A	G	NA	Imp	0.08	6.92E-05	9.35E-01	--
rs6819197	4	72781481	A	T	NA	Imp	0.08	6.94E-05	6.57E-01	--
rs4723501	7	36281708	T	A	EEPD1	Imp	0.28	6.94E-05	6.01E-01	--
rs28721894	1	30038532	T	C	NA	Imp	0.43	7.02E-05	1.41E-01	--
rs6531663	4	38792340	C	T	TLR10 TLR1	Imp	0.24	7.04E-05	5.72E-02	++
rs201950	8	82214841	C	G	Near FABP5	Imp	0.13	7.06E-05	9.58E-01	--
rs1980783	14	57704232	C	T	EXOC5	Imp	0.06	7.06E-05	2.73E-01	++
rs201953	8	82216588	C	T	Near FABP5	G	0.13	7.08E-05	7.87E-01	+-
rs202284	8	82211671	C	T	Near FABP5	Imp	0.13	7.09E-05	9.58E-01	++
rs201951	8	82215813	T	G	Near FABP5	Imp	0.13	7.09E-05	7.87E-01	-+
rs10133300	14	57722893	T	G	EXOC5	G	0.06	7.10E-05	2.29E-01	--
rs17093005	14	57711984	T	G	EXOC5	Imp	0.06	7.11E-05	2.72E-01	--
rs6573139	14	57720464	C	A	EXOC5	Imp	0.06	7.11E-05	2.82E-01	++
rs28823280	8	82777716	A	G	Near SNX16	Imp	0.25	7.11E-05	9.08E-01	--
rs4833093	4	38789740	T	G	TLR10 TLR1	Imp	0.24	7.12E-05	5.71E-02	--
rs2400539	8	82759714	A	G	Near SNX16	Imp	0.41	7.13E-05	9.08E-01	++
rs2284981	19	44633558	G	C	ZNF225	Imp	0.17	7.13E-05	2.13E-01	++
rs6509133	19	44522913	C	T	NA	Imp	0.30	7.13E-05	8.69E-01	++
rs9572927	13	72830207	A	G	NA	G	0.08	7.18E-05	8.87E-03	-+
rs9502335	6	5746379	C	T	FARS2	Imp	0.16	7.21E-05	1.36E-01	+-
rs9292340	5	29761861	C	T	NA	G	0.29	7.23E-05	5.00E-01	-+
rs11936050	4	38789524	T	C	TLR10 TLR1	Imp	0.24	7.31E-05	5.71E-02	--
rs55881717	4	72795900	T	G	NA	Imp	0.08	7.34E-05	6.77E-01	--
rs10274036	7	36276663	T	C	EEPD1	Imp	0.28	7.35E-05	6.34E-01	++
rs7961995	12	75427401	A	C	KCNC2	Imp	0.10	7.36E-05	2.72E-01	--
chr12:75426839	12	75426839	T	C	KCNC2	Imp	0.10	7.36E-05	2.72E-01	--
rs4723502	7	36281897	T	C	EEPD1	Imp	0.29	7.38E-05	6.01E-01	++
chr13:66271716	13	66271716	A	G	NA	Imp	0.06	7.38E-05	8.78E-01	+-
rs17502580	7	27350607	G	A	NA	Imp	0.11	7.39E-05	3.96E-01	+-
rs11083733	19	44520919	G	C	NA	Imp	0.29	7.39E-05	8.86E-01	++
rs149880	8	82218892	T	C	Near FABP5	Imp	0.13	7.40E-05	7.40E-01	-+
rs6788651	3	102853034	T	G	NA	G	0.15	7.40E-05	2.75E-01	--
rs2061333	19	44614208	C	T	NA	G	0.17	7.40E-05	2.93E-01	++

Supp Table2

rs1393734	17	50310245	T	C	NA	Imp	0.29	7.41E-05	4.20E-01	-+
rs201952	8	82215885	A	G	Near FABP5	Imp	0.13	7.42E-05	7.87E-01	-+
rs12233670	4	38787216	T	C	TLR10 TLR1	Imp	0.24	7.42E-05	7.37E-02	--
rs4723500	7	36281595	A	G	EEPD1	G	0.29	7.42E-05	6.01E-01	++
rs9637684	4	179523638	T	C	NA	G	0.11	7.42E-05	9.51E-01	++
rs7308197	12	80115933	T	C	LOC100133105	G	0.13	7.43E-05	3.21E-01	--
rs12232810	19	44525122	A	G	NA	Imp	0.30	7.43E-05	8.69E-01	--
rs277394	1	75283509	C	T	Near SLC44A5	G	0.28	7.43E-05	1.09E-01	-+
chr12:75422092	12	75422092	G	A	KCNC2	Imp	0.09	7.44E-05	2.72E-01	++
rs6789627	3	102854133	G	A	NA	Imp	0.15	7.45E-05	2.75E-01	++
chr12:75423117	12	75423117	C	A	KCNC2	Imp	0.10	7.47E-05	2.72E-01	++
rs11083732	19	44520743	T	C	NA	Imp	0.30	7.53E-05	8.86E-01	--
rs829500	3	165500409	T	C	BCHE	Imp	0.25	7.53E-05	8.97E-01	--
rs1355535	3	165505759	T	G	BCHE	Imp	0.26	7.54E-05	6.59E-01	--
rs13357883	5	137271884	T	C	PKD2L2	Imp	0.18	7.55E-05	8.19E-01	--
rs1135430	4	38789361	C	T	TLR10 TLR1	Imp	0.24	7.60E-05	6.50E-02	++
rs28495167	15	96306882	A	G	NA	Imp	0.08	7.61E-05	8.75E-01	-+
rs10075548	5	156424249	C	T	NA	Imp	0.17	7.64E-05	4.97E-01	++
rs17093036	14	57734020	G	C	EXOC5	Imp	0.06	7.65E-05	1.87E-01	++
rs204926	11	8255106	G	A	LMO1	Imp	0.48	7.66E-05	5.85E-02	--
rs1376841	8	82785286	G	A	Near SNX16	G	0.41	7.69E-05	9.44E-01	-+
rs7667554	4	138042070	C	T	LOC729578	Imp	0.29	7.72E-05	6.14E-01	--
rs9873779	3	165508102	T	G	BCHE	G	0.25	7.73E-05	8.87E-01	--
rs8183862	20	61880513	T	C	NKAIN4	Imp	0.36	7.74E-05	8.58E-01	+-
rs829507	3	165503453	T	C	BCHE	Imp	0.25	7.74E-05	9.29E-01	--
rs1355534	3	165505857	T	C	BCHE	Imp	0.25	7.75E-05	9.40E-01	--
rs28626952	15	36705714	T	G	NA	Imp	0.22	7.76E-05	2.07E-01	+-
rs1452001	8	82800817	T	C	Near SNX16	G	0.41	7.77E-05	7.92E-01	+-
rs28589362	1	30039872	A	G	NA	G	0.43	7.78E-05	1.71E-01	--
rs10105967	8	26608542	C	T	ADRA1A	Imp	0.05	7.82E-05	4.41E-01	++
rs7905862	10	10581844	A	G	NA	G	0.11	7.83E-05	4.48E-01	-+
rs17088266	8	26608263	G	C	ADRA1A	Imp	0.05	7.84E-05	4.41E-01	++
chr4:72787948	4	72787948	T	G	NA	Imp	0.08	7.87E-05	6.66E-01	--
rs10044410	5	137248668	C	T	PKD2L2	Imp	0.18	7.87E-05	8.69E-01	++
rs12640063	4	138046596	T	C	LOC729578	Imp	0.29	7.88E-05	5.62E-01	++
rs2897499	4	138151884	T	G	NA	Imp	0.25	7.89E-05	3.62E-01	++
rs12157838	22	48835912	G	T	NA	Imp	0.05	7.89E-05	8.94E-01	+-
rs35423938	20	61877957	A	G	NKAIN4	Imp	0.36	7.91E-05	7.84E-01	+-
rs7112441	11	42960442	C	G	NA	Imp	0.14	7.92E-05	9.14E-01	--
rs10853771	19	44629448	C	T	ZNF225	Imp	0.17	7.94E-05	1.75E-01	++
rs28636665	8	82758160	T	C	Near SNX16	Imp	0.41	7.94E-05	9.06E-01	++
rs7835833	8	82763418	A	G	Near SNX16	Imp	0.42	7.95E-05	9.01E-01	+-
rs12147008	14	101186175	C	T	NA	G	0.22	7.95E-05	5.08E-01	++
rs10504741	8	82755353	C	A	Near SNX16	G	0.41	7.95E-05	9.08E-01	--
rs10101664	8	26607280	C	T	ADRA1A	Imp	0.05	7.96E-05	4.41E-01	++
rs1871256	16	7180064	A	G	A2BP1	Imp	0.22	7.99E-05	5.04E-02	--
rs12453010	17	50316131	T	C	NA	Imp	0.38	7.99E-05	6.14E-01	+-
chr8:26608070	8	26608070	C	T	ADRA1A	Imp	0.05	8.01E-05	4.41E-01	++
rs59579836	11	42962621	T	C	NA	Imp	0.14	8.03E-05	9.33E-01	--
rs16937163	11	42961389	A	G	NA	Imp	0.14	8.03E-05	9.13E-01	--
rs829508	3	165502724	C	T	BCHE	Imp	0.25	8.08E-05	9.26E-01	++
rs28690449	4	38789132	T	C	TLR10 TLR1	Imp	0.24	8.09E-05	5.71E-02	--
chr11:42964374	11	42964374	T	C	NA	Imp	0.14	8.12E-05	9.10E-01	--
chr1:69867602	1	69867602	G	T	NA	Imp	0.05	8.17E-05	8.83E-01	+-
rs3829406	14	23245252	G	A	SLC7A7	G	0.10	8.17E-05	3.53E-01	++
rs202292	8	82219639	A	G	Near FABP5	Imp	0.13	8.18E-05	7.96E-01	-+
rs2356549	19	44511202	A	T	ZNF230	G	0.29	8.18E-05	9.53E-01	-+
rs149886	8	82222886	C	G	Near FABP5	Imp	0.12	8.18E-05	9.53E-01	--
rs2081523	4	138157130	T	G	NA	Imp	0.25	8.19E-05	4.66E-01	++
rs6500918	16	7186902	G	T	A2BP1	Imp	0.22	8.19E-05	5.05E-02	++
rs10038271	5	156470401	T	C	HAVCR1	G	0.17	8.23E-05	4.52E-01	--

Supp Table2

rs10096141	8	26601495	G	A	NA	Imp	0.05	8.23E-05	4.26E-01	++
rs1979246	4	138043215	T	C	LOC729578	Imp	0.29	8.24E-05	5.65E-01	++
rs169337	8	82217689	C	T	Near FABP5	Imp	0.13	8.24E-05	7.72E-01	+-
rs149884	8	82217952	G	C	Near FABP5	Imp	0.13	8.24E-05	7.72E-01	+-
rs7611373	3	2917437	A	G	CNTN4	Imp	0.36	8.24E-05	8.97E-02	--
rs149885	8	82218066	G	A	Near FABP5	Imp	0.13	8.24E-05	7.72E-01	+-
rs28696138	8	82770794	A	G	Near SNX16	Imp	0.25	8.25E-05	9.76E-01	--
rs169336	8	82217435	C	G	Near FABP5	Imp	0.13	8.25E-05	7.72E-01	-+
rs4543123	4	38792524	G	A	TLR10 TLR1	G	0.24	8.26E-05	3.34E-02	++
rs10041787	5	137419494	T	G	WNT8A	G	0.13	8.28E-05	8.31E-01	--
rs2712210	7	107327852	T	C	SLC26A4	G	0.24	8.29E-05	1.35E-01	--
rs10440755	5	137414466	T	C	NA	Imp	0.13	8.29E-05	8.31E-01	--
rs6843043	4	38843136	G	A	TLR1	Imp	0.23	8.29E-05	2.65E-01	++
rs9323304	14	57712482	C	A	EXOC5	Imp	0.06	8.29E-05	2.22E-01	++
rs201954	8	82219557	A	G	Near FABP5	Imp	0.13	8.31E-05	7.72E-01	+-
rs201946	8	82222292	C	A	Near FABP5	Imp	0.13	8.32E-05	7.96E-01	+-
rs12706973	7	131024681	G	A	MKLN1	Imp	0.39	8.37E-05	9.68E-01	--
rs4105690	8	3328316	G	C	CSMD1	Imp	0.29	8.37E-05	8.02E-01	-+
rs12481193	20	61877940	A	G	NKAIN4	Imp	0.36	8.42E-05	8.54E-01	+-
rs4952929	2	49139350	C	G	NA	Imp	0.41	8.44E-05	2.54E-01	+-
rs774469	8	82723869	T	C	SNX16	G	0.41	8.45E-05	9.06E-01	+-
chr1:69869482	1	69869482	T	A	NA	Imp	0.05	8.46E-05	8.13E-01	+-
rs4313769	15	36706838	G	A	NA	G	0.22	8.48E-05	1.77E-01	-+
rs10139409	14	57694552	T	C	EXOC5	Imp	0.06	8.49E-05	2.22E-01	--
rs17518517	1	223488310	C	T	SUSD4	G	0.22	8.49E-05	7.88E-01	--
rs2270926	5	156469783	A	G	HAVCR1	Imp	0.17	8.50E-05	4.86E-01	--
rs10100657	8	26599218	A	G	NA	Imp	0.05	8.53E-05	4.26E-01	--
rs7461469	8	3328265	T	C	CSMD1	Imp	0.29	8.54E-05	8.63E-01	+-
rs2668213	3	165496037	T	A	BCHE	Imp	0.27	8.57E-05	8.36E-01	++
rs61670721	8	26609661	G	A	ADRA1A	Imp	0.05	8.57E-05	4.52E-01	++
rs10108571	8	26601219	A	G	NA	Imp	0.05	8.61E-05	4.26E-01	--
rs1236715	19	44639558	C	G	NA	Imp	0.17	8.62E-05	1.90E-01	--
rs1617822	15	87825688	G	A	Near AGBL1	Imp	0.45	8.62E-05	6.47E-01	--
rs11776932	8	82712929	C	A	SNX16	G	0.41	8.64E-05	9.06E-01	-+
rs6987544	8	82714338	T	A	SNX16	Imp	0.41	8.64E-05	9.06E-01	-+
rs9304270	18	39937509	T	C	LOC284260	G	0.14	8.66E-05	5.51E-01	-+
rs1558465	7	2151398	C	G	MAD1L1	Imp	0.42	8.71E-05	2.99E-01	++
rs1476887	7	2151633	C	T	MAD1L1	Imp	0.42	8.77E-05	2.99E-01	--
rs7008528	8	82710520	T	G	SNX16	Imp	0.41	8.83E-05	9.06E-01	+-
rs6864618	5	119741331	T	C	NA	G	0.07	8.83E-05	2.63E-01	++
rs942114	6	5770225	T	C	FARS2	Imp	0.12	8.83E-05	1.64E-01	-+
rs902110	8	82708819	G	A	SNX16	Imp	0.41	8.85E-05	8.97E-01	-+
rs12719276	5	119744849	A	G	NA	Imp	0.07	8.87E-05	2.46E-01	++
rs1582749	4	138159728	C	T	NA	Imp	0.25	8.90E-05	5.38E-01	--
rs5022519	8	82694500	G	C	Near FABP5	Imp	0.37	8.96E-05	8.88E-01	--
rs4557253	4	84764167	A	G	NA	Imp	0.39	9.01E-05	5.22E-01	++
chr11:43267145	11	43267145	G	A	NA	Imp	0.12	9.01E-05	9.94E-01	++
rs2600600	8	82719822	G	A	SNX16	Imp	0.41	9.03E-05	9.06E-01	-+
rs1861170	2	49140018	T	A	NA	Imp	0.40	9.03E-05	2.77E-01	-+
rs1031717	1	69861997	G	A	NA	Imp	0.05	9.04E-05	8.62E-01	+-
rs10147790	14	57693036	A	T	EXOC5	Imp	0.06	9.07E-05	1.89E-01	--
rs11591991	10	11164638	A	G	CUGBP2	G	0.14	9.09E-05	6.27E-01	++
rs201947	8	82222659	A	T	Near FABP5	Imp	0.13	9.09E-05	7.96E-01	-+
rs56215870	5	137245295	A	G	PKD2L2	Imp	0.18	9.10E-05	8.63E-01	--
rs13250611	8	82716813	G	T	SNX16	Imp	0.41	9.11E-05	9.06E-01	-+
rs62119173	19	44518073	G	A	ZNF230	Imp	0.30	9.13E-05	9.12E-01	++
chr1:223493152	1	223493152	G	T	SUSD5	Imp	0.22	9.14E-05	7.74E-01	--
rs7673348	4	38845198	A	G	TLR1	Imp	0.23	9.17E-05	2.65E-01	--
rs774472	8	82724531	T	A	SNX16	Imp	0.41	9.18E-05	9.06E-01	-+
rs6987463	8	82714022	C	G	SNX16	Imp	0.41	9.19E-05	9.06E-01	+-
rs774475	8	82727201	C	T	SNX16	Imp	0.41	9.19E-05	9.06E-01	-+

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rs10110803	8	82746436	C	G	SNX16	Imp	0.41	9.19E-05	9.06E-01	+-
chr11:43281255	11	43281255	C	T	NA	Imp	0.12	9.20E-05	9.67E-01	++
rs2600604	8	82720700	A	G	SNX16	Imp	0.41	9.22E-05	9.45E-01	+-
rs967823	17	50317276	G	A	NA	G	0.38	9.25E-05	6.09E-01	+-
rs59128379	8	82742959	G	A	SNX16	Imp	0.41	9.25E-05	9.08E-01	+-
rs58117037	8	82748183	T	C	SNX16	Imp	0.41	9.27E-05	9.06E-01	+-
rs7004177	8	82710137	C	G	SNX16	Imp	0.41	9.27E-05	9.14E-01	+-
rs4316108	8	82754365	C	A	Near SNX16	Imp	0.41	9.27E-05	9.45E-01	+-
rs1554075	4	138119507	T	C	LOC729578	Imp	0.36	9.29E-05	1.19E-01	++
rs1860831	7	2160931	C	T	MAD1L1	Imp	0.42	9.33E-05	3.25E-01	--
rs1470786	8	82742288	G	C	SNX16	Imp	0.41	9.34E-05	9.06E-01	+-
rs8099869	19	44623376	C	T	ZNF225	Imp	0.16	9.34E-05	2.04E-01	++
rs2588476	18	53630757	A	G	NA	G	0.29	9.35E-05	6.48E-01	+-
rs3802970	11	17821182	G	A	SERGEF	G	0.34	9.36E-05	9.93E-01	--
rs17714333	8	82802669	A	T	Near SNX16	Imp	0.43	9.36E-05	9.44E-01	+-
rs4739628	8	82738807	G	C	SNX16	Imp	0.41	9.38E-05	9.06E-01	+-
rs1861400	2	64906434	G	A	NA	Imp	0.06	9.40E-05	2.55E-01	++
rs36555	14	71364561	C	T	NA	G	0.30	9.43E-05	7.43E-01	+-
rs1021329	8	82736926	G	A	SNX16	Imp	0.41	9.49E-05	8.82E-01	+-
rs12539555	7	107404473	G	A	SLC26A3	G	0.24	9.51E-05	2.75E-01	++
rs1463258	8	82737771	G	A	SNX16	Imp	0.41	9.52E-05	9.06E-01	+-
rs10130359	14	57716393	T	C	EXOC5	Imp	0.06	9.53E-05	2.05E-01	--
rs6534063	4	118803489	G	A	NA	Imp	0.22	9.55E-05	9.10E-01	+-
rs2600601	8	82720107	C	T	SNX16	Imp	0.40	9.55E-05	8.46E-01	+-
rs2635490	8	82735459	G	A	SNX16	Imp	0.41	9.57E-05	9.06E-01	+-
rs7142694	14	57694988	C	A	EXOC5	Imp	0.06	9.57E-05	2.76E-01	++
rs1236716	19	44640929	G	A	NA	G	0.17	9.59E-05	1.77E-01	++
rs17376271	5	23261312	A	G	NA	G	0.12	9.64E-05	1.93E-01	+-
rs12905964	15	84179115	T	C	SH3GL3	G	0.41	9.69E-05	2.13E-01	--
rs3800909	7	2159594	G	C	MAD1L1	Imp	0.42	9.78E-05	3.51E-01	--
rs9298376	8	82707096	G	A	Near SNX16	Imp	0.26	9.78E-05	7.37E-01	++
rs993012	8	82701033	A	G	Near FABP5	Imp	0.39	9.79E-05	9.50E-01	+-
chr1:69860772	1	69860772	A	C	NA	Imp	0.05	9.81E-05	8.74E-01	+-
rs1934807	6	148516871	T	C	NA	Imp	0.46	9.82E-05	3.26E-02	+-
rs1206673	6	5771186	G	T	FARS2	Imp	0.12	9.83E-05	1.67E-01	+-
rs7841431	8	82714920	A	T	SNX16	Imp	0.41	9.84E-05	9.13E-01	+-
rs201948	8	82227938	G	A	Near FABP5	Imp	0.13	9.86E-05	8.17E-01	+-
rs266511	1	182497021	C	A	RGSL1	Imp	0.33	9.87E-05	1.99E-01	+-
rs4803681	19	44609485	G	A	ZNF224	Imp	0.17	9.89E-05	2.67E-01	++
rs4508518	19	44611420	A	G	ZNF224	G	0.17	9.90E-05	2.64E-01	--
rs2192898	2	64892858	G	T	NA	Imp	0.06	9.93E-05	1.85E-01	++
rs2422282	2	64899854	A	C	NA	Imp	0.06	9.98E-05	1.85E-01	--
rs3172	19	44609846	C	G	ZNF224	Imp	0.17	9.99E-05	2.72E-01	--
rs2191566	19	44511389	G	T	ZNF230	Imp	0.29	0.0001005	9.58E-01	++

^a Minor allele frequency estimated on founders; ^b direction of effect in COGA and SAGE datasets; Values in bold characters represent trend for association in COGA dataset (P < 0.1)