SUPPLEMENTARY MATERIAL

Supplemental Methods

GC-MS Metabolomic profiling: Thirty µl of each plasma sample was extracted and derivatized as reported previously (38). Briefly, 15 µl aliquots were extracted into 1 ml of degassed acetonitrile:isopropanol:water (3:3:2) at –20°C, centrifuged and decanted, with subsequent evaporation of the solvent to dryness. A clean-up step with acetonitrile/water (1:1) was used to remove membrane lipids and triglycerides, and the supernatant was dried. Internal standards of C8-C30 FAMEs were added, and the sample was derivatized with methoxyamine hydrochloride in pyridine and, subsequently, by MSTFA (1 ml bottles, Sigma-Aldrich, St. Louis, MO) for trimethylsilylation of acidic protons.

A Gerstel MPS2 automatic liner exchange system was used to inject 1 µl of sample at 50°C (ramped by to 250°C) in splitless mode with 25 s splitless time. An Agilent 6890 gas chromatograph (Santa Clara, CA) was used with a 30 m, 0.25 mm i.d. Rtx5Sil-MS column with 0.25 µm 5% diphenyl film and an additional 10 m integrated guard column was used (Restek, Bellefonte, PA). Chromatography was performed at a constant flow of 1 ml/min, ramping the oven temperature from 50°C to 330°C with a 22 min total run time. Mass spectrometry was conducted by a Leco Pegasus IV time of flight mass spectrometer with a 280°C transfer line temperature, electron ionization at -70V and an ion source temperature of 250°C. Mass spectra were acquired from m/z 85-500 at 20 spectra s^{-1} and 1750 V detector voltage. Result files were processed further using the UC Davis Metabolomics BinBase database. All database enters in BinBase (38) were matched against a mass spectral library of 1,200 authentic metabolite spectra using retention index, mass spectrum information and the NIST05 commercial library. Identified

metabolites were reported if present in at least 50% of the samples per study design group (as defined in the SetupX database) (39). Quantitative data were normalized to the summed intensities of all known metabolites, and those data were used for statistical analyses.

SNP selection for genotyping: SNP genotype data from unrelated Caucasian subjects (N=168) were downloaded from the HapMap (http://www.hapmap.org, data Rel 27/phase II + III). This data was combined with in-house derived (Illumina 550K and 510S genome-wide SNPs) and the Coriell Institute- derived (Affymetrix 6.0 genome-wide SNPs) genotypes generated for 96 samples from Caucasian Americans included in the Coriell Institute's "Human Variation Panel" lymphoblastoid cell lines (Camden, NJ). Tag SNPs were selected using LD select program (source). SNPs between +/- 10 kb of flanking sequence for each gene were tagged utilizing an r^2 threshold of 0.9 and a minimum allele frequency of 5%. Between 10-20 kb of 5' and 3'-flanking sequence, tags were selected based on an r^2 of 0.8 and no singleton SNPs were selected. The SNPs genotyped were chosen to include nonsynonymous variants, SNPs required to fill in large physical gaps, and additional SNPs to add redundancy for larger SNP bins. SNP selection was prioritized to those SNPs with the highest Illumina SNP score for greatest chance of assay success.

Genotyping data quality control (QC) assessment: QC was performed to examine SNP call rates, sample call rates, discordance of duplicate samples, Mendelian errors from the CEPH trio controls included, departure from Hardy-Weinberg Equilibrium (HWE) and distribution of minor allele frequency (MAF). SNPs with low MAFs ($\leq$0.01), those that failed during genotyping, SNPs with low call rates ($\leq$0.95), or those with significant departures from HWE ($\leq$0.001) were

excluded from the analysis. Study subject(s) with DNA samples that failed during genotyping or with low sample call rates (≤0.95) were also removed. Because of the low percentage of samples from other ethnicities, these analyses were limited to self-reported Non-Hispanic White subjects who were enrolled in the Mayo-PGRN SSRI study.

Sanger resequencing for fine mapping: The rs10975641 SNP is located within an LD desert that spans 11.5 Kb. Four *GLDC* exons (exons 17-20) reside within this region, with rs10975641 located in intron 17. We set out to resequence 2.2 kb upstream, including exon 17, and 3.6 kb downstream, including exons 18-20, to identify any additional SNPs that might be linked to rs10975641. Not knowing which allele of rs10975641 (G/C) might be linked to an unknown functional variant or which group this unknown variant might be enriched in, responders vs. non-responders, we resequenced equal proportions of homozygous GG (N=48) and CC (N=48) samples and equal proportions of responders (N=48) and non-responders (N=48) a total of 96 samples from the Mayo-PGRN SSRI study. PCR conditions as well as PCR and sequencing primers sequences are available on request. Amplicons were sequenced in both directions in Mayo's Molecular Biology Core Facility using BigDye dye terminator sequencing chemistry (Perkin-Elmer Life and Analytical science, Boston, MA) with an ABI3700 DNA sequencer (Applied Biosystems). Sequencing chromatograms were analyzed using Mutation Surveyor 2.51 (Soft Genetics, LLC., State College, PA).

						Remission (last visit, 8 week or 4 week if 8 week missing)					Remission (8 week only)					Response					Percent Change in QIDS score				
							Unadjusted		Adjusted			Unadjusted		Adjusted			Unadjusted		Adjusted			Unadjusted		Adjusted	
rs#	chr	position (bp)	MAF	HWE p-value	gene	n	OR (95%CI)	p-value	OR (95%CI)	p-value	n	OR (95%CI)	p-value	OR (95%CI)	p-value	n	OR (95%CI)	p-value	OR (95%CI)	p-value	n	Spearman coefficient	unadjusted p-value	Spearman coefficient	p-value
rs6784820	3	49425867	0.42	0.65	*AMT*	511	0.966(0.752,1.24)	0.79	0.97(0.753,1.25)	0.435	409	0.893(0.679,1.17)	0.417	0.919(0.696,1.21)	0.552	409	1.05(0.779,1.4)	0.768	1.09(0.81,1.48)	0.555	408	0.021	0.675	0.015	0.765
rs8897	3	49435410	0.3	1	*AMT*	509	0.938(0.714,1.23)	0.648	0.94(0.714,1.24)	0.483	406	1.03(0.758,1.39)	0.868	1(0.74,1.36)	0.368	406	0.869(0.629,1.2)	0.394	0.841(0.606,1.17)	0.153	405	0.004	0.943	0.008	0.866
rs10268835	7	107303166	0.17	1	*DLD*	512	0.947(0.679,1.32)	0.749	0.978(0.697,1.37)	0.897	409	0.989(0.687,1.43)	0.954	1.04(0.715,1.51)	0.844	409	1.08(0.729,1.61)	0.693	1.14(0.757,1.71)	0.533	408	-0.038	0.441	-0.041	0.405
rs756383	7	107310197	0.42	0.856	*DLD*	512	1.08(0.835,1.39)	0.564	1.07(0.824,1.38)	0.628	409	0.994(0.748,1.32)	0.966	0.967(0.725,1.29)	0.817	409	1.01(0.743,1.37)	0.964	0.985(0.723,1.34)	0.922	408	-0.015	0.766	-0.008	0.865
rs10238021	7	107313081	0.18	0.551	*DLD*	512	1.04(0.76,1.44)	0.788	1.08(0.783,1.5)	0.626	409	1.09(0.771,1.55)	0.616	1.14(0.8,1.63)	0.461	409	1.26(0.856,1.86)	0.235	1.32(0.884,1.96)	0.17	408	-0.077	0.118	-0.08	0.106
rs17496031	7	107314927	0.04	0.584	*DLD*	512	0.999(0.533,1.87)	0.997	1(0.531,1.88)	1	409	1.19(0.593,2.4)	0.62	1.19(0.586,2.42)	0.629	409	1.41(0.629,3.16)	0.391	1.36(0.601,3.06)	0.452	408	-0.054	0.276	-0.049	0.321
rs34572011	7	107318438	0.18	0.88	*DLD*	512	1.05(0.762,1.45)	0.757	1.1(0.788,1.53)	0.583	409	1.11(0.78,1.59)	0.552	1.17(0.813,1.68)	0.398	409	1.22(0.827,1.81)	0.307	1.28(0.857,1.92)	0.22	408	-0.077	0.12	-0.08	0.108
rs3801936	7	107323652	0.13	0.546	*DLD*	511	1.12(0.762,1.63)	0.572	1.18(0.797,1.74)	0.276	408	1.14(0.753,1.72)	0.538	1.23(0.801,1.88)	0.288	408	1.14(0.726,1.79)	0.564	1.23(0.767,1.96)	0.452	407	-0.061	0.222	-0.065	0.192
rs2108222	7	107331443	0.4	0.231	*DLD*	511	0.928(0.724,1.19)	0.559	0.918(0.715,1.18)	0.372	408	0.969(0.735,1.28)	0.822	0.968(0.732,1.28)	0.518	408	0.858(0.638,1.15)	0.312	0.856(0.634,1.15)	0.145	407	0.067	0.177	0.065	0.193
rs6466206	7	107338994	0.42	0.928	*DLD*	512	1.07(0.83,1.38)	0.601	1.06(0.819,1.37)	0.662	409	0.994(0.748,1.32)	0.966	0.967(0.725,1.29)	0.817	409	1.01(0.743,1.37)	0.964	0.985(0.723,1.34)	0.922	408	-0.015	0.766	-0.008	0.865
rs4564	7	107347146	0.4	0.231	*DLD*	511	0.928(0.724,1.19)	0.559	0.917(0.714,1.18)	0.514	408	0.972(0.737,1.28)	0.841	0.966(0.731,1.28)	0.711	408	0.861(0.641,1.16)	0.324	0.855(0.634,1.15)	0.221	407	0.064	0.2	0.064	0.199
rs2528648	7	107355834	0.32	0.13	*DLD*	512	0.931(0.718,1.21)	0.59	0.92(0.709,1.19)	0.532	409	0.972(0.729,1.3)	0.849	0.969(0.725,1.3)	0.834	409	0.888(0.654,1.21)	0.448	0.883(0.647,1.2)	0.433	408	0.039	0.427	0.039	0.432
rs10953555	7	107368581	0.37	0.571	*DLD*	512	0.913(0.707,1.18)	0.487	0.893(0.69,1.16)	0.392	409	0.933(0.702,1.24)	0.634	0.925(0.694,1.23)	0.595	409	0.927(0.683,1.26)	0.625	0.914(0.672,1.24)	0.57	408	0.066	0.185	0.066	0.182
rs2237689	7	107373079	0.44	0.282	*DLD*	512	0.985(0.76,1.28)	0.907	0.98(0.755,1.27)	0.881	409	0.926(0.696,1.23)	0.597	0.904(0.677,1.21)	0.492	409	0.917(0.676,1.24)	0.578	0.902(0.662,1.23)	0.517	408	0.016	0.744	0.02	0.682
rs33962342	9	6496037	0.12	0.532	*GLDC*	512	1.25(0.863,1.82)	0.236	1.28(0.875,1.86)	0.207	409	1.2(0.799,1.81)	0.377	1.23(0.813,1.86)	0.327	409	1.14(0.727,1.77)	0.574	1.18(0.75,1.86)	0.47	408	-0.059	0.232	-0.061	0.216
rs10975622	9	6508908	0.19	0.322	*GLDC*	512	1.18(0.87,1.61)	0.286	1.19(0.876,1.62)	0.264	409	1.09(0.78,1.53)	0.608	1.1(0.784,1.55)	0.576	409	1.22(0.839,1.76)	0.297	1.25(0.86,1.82)	0.235	408	-0.078	0.116	-0.08	0.108
rs1547258	9	6513055	0.28	0.271	*GLDC*	512	1.07(0.813,1.4)	0.64	1.06(0.804,1.39)	0.686	409	0.997(0.74,1.34)	0.984	0.989(0.731,1.34)	0.941	409	1.04(0.757,1.44)	0.799	1.03(0.747,1.43)	0.84	408	-0.017	0.739	-0.017	0.729
rs11795213	9	6515752	0.27	0.911	*GLDC*	512	0.825(0.62,1.1)	0.184	0.822(0.617,1.1)	0.179	409	0.835(0.614,1.14)	0.251	0.827(0.605,1.13)	0.232	409	0.931(0.672,1.29)	0.671	0.901(0.647,1.26)	0.542	408	0.049	0.32	0.056	0.26
rs10975627	9	6522069	0.14	0.584	*GLDC*	511	1.28(0.898,1.81)	0.175	1.31(0.918,1.86)	0.196	408	1.18(0.804,1.72)	0.402	1.2(0.816,1.76)	0.366	408	1.21(0.796,1.84)	0.364	1.26(0.823,1.93)	0.369	407	-0.078	0.117	-0.079	0.112
rs10975629	9	6522343	0.47	0.375	*GLDC*	512	1.25(0.968,1.62)	0.0863	1.25(0.968,1.63)	0.0859	409	1.13(0.851,1.51)	0.395	1.13(0.849,1.52)	0.394	409	1.19(0.876,1.62)	0.263	1.21(0.888,1.66)	0.224	408	-0.071	0.151	-0.075	0.129
rs7848919	9	6522476	0.3	1	*GLDC*	512	1.11(0.846,1.46)	0.447	1.11(0.841,1.46)	0.465	409	1.01(0.752,1.37)	0.927	1(0.74,1.36)	0.985	409	1.02(0.737,1.4)	0.92	1.01(0.729,1.4)	0.947	408	-0.026	0.6	-0.027	0.581
rs1061407	9	6522543	0.34	0.845	*GLDC*	511	1.1(0.844,1.43)	0.481	1.09(0.836,1.43)	0.355	408	0.998(0.748,1.33)	0.987	0.984(0.734,1.32)	0.496	408	1.05(0.771,1.43)	0.754	1.05(0.763,1.43)	0.688	407	-0.034	0.491	-0.036	0.468
rs2228098	9	6523009	0.36	0.213	*GLDC*	512	0.992(0.77,1.28)	0.951	0.995(0.77,1.29)	0.97	409	0.973(0.737,1.28)	0.846	0.97(0.732,1.29)	0.833	409	0.94(0.698,1.27)	0.683	0.941(0.695,1.27)	0.693	408	0.014	0.782	0.012	0.811
rs3818705	9	6524435	0.17	0.757	*GLDC*	512	1.09(0.786,1.51)	0.602	1.08(0.78,1.51)	0.631	409	0.961(0.673,1.37)	0.826	0.957(0.67,1.37)	0.812	409	1.19(0.806,1.76)	0.376	1.19(0.804,1.77)	0.378	408	-0.024	0.626	-0.022	0.66
rs2282161	9	6524507	0.19	0.885	*GLDC*	512	0.959(0.698,1.32)	0.797	0.958(0.696,1.32)	0.793	409	1.14(0.793,1.62)	0.488	1.13(0.79,1.63)	0.495	409	0.982(0.669,1.44)	0.925	0.981(0.666,1.45)	0.923	408	-0.024	0.624	-0.024	0.629
rs2282160	9	6524844	0.48	0.288	*GLDC*	512	0.953(0.746,1.22)	0.7	0.954(0.746,1.22)	0.711	409	0.885(0.679,1.15)	0.367	0.897(0.685,1.18)	0.431	409	0.916(0.689,1.22)	0.548	0.925(0.692,1.24)	0.596	408	0.05	0.311	0.047	0.341
rs4742211	9	6525499	0.18	0.376	*GLDC*	512	1.09(0.794,1.49)	0.6	1.08(0.788,1.49)	0.621	409	0.998(0.708,1.41)	0.991	0.999(0.707,1.41)	0.995	409	0.881(0.613,1.27)	0.495	0.878(0.609,1.27)	0.49	408	0.007	0.889	0.005	0.915
rs37655555	9	6525974	0.29	0.914	*GLDC*	495	0.893(0.674,1.19)	0.433	0.91(0.685,1.21)	0.0801	395	0.882(0.651,1.2)	0.419	0.902(0.663,1.23)	0.151	395	0.829(0.602,1.14)	0.253	0.841(0.608,1.16)	0.42	394	0.066	0.189	0.063	0.21
rs2026972	9	6528278	0.32	0.686	*GLDC*	512	0.847(0.645,1.11)	0.231	0.862(0.655,1.13)	0.285	409	0.823(0.615,1.1)	0.192	0.842(0.626,1.13)	0.253	409	0.768(0.564,1.05)	0.0955	0.782(0.572,1.07)	0.125	408	0.085	0.085	0.081	0.103
rs6477088	9	6528416	0.2	1	*GLDC*	512	1.06(0.778,1.44)	0.712	1.05(0.771,1.44)	0.746	409	1.19(0.837,1.68)	0.335	1.17(0.823,1.66)	0.38	409	1.16(0.793,1.7)	0.44	1.15(0.78,1.69)	0.484	408	-0.046	0.358	-0.042	0.392
rs4742213	9	6529086	0.48	0.158	*GLDC*	512	0.91(0.714,1.16)	0.449	0.921(0.72,1.18)	0.508	409	0.861(0.66,1.12)	0.271	0.872(0.666,1.14)	0.319	409	0.955(0.718,1.27)	0.751	0.966(0.724,1.29)	0.816	408	0.044	0.38	0.042	0.403
rs4518719	9	6534084	0.31	0.352	*GLDC*	511	1.14(0.878,1.49)	0.323	1.14(0.87,1.48)	0.344	409	1.13(0.847,1.51)	0.401	1.13(0.839,1.52)	0.423	409	1.09(0.799,1.5)	0.575	1.09(0.791,1.5)	0.599	408	-0.056	0.262	-0.056	0.263
rs4419859	9	6534765	0.37	0.39	*GLDC*	509	1.18(0.914,1.52)	0.205	1.17(0.901,1.51)	0.231	407	1.14(0.859,1.5)	0.37	1.13(0.849,1.5)	0.309	407	1.14(0.842,1.54)	0.395	1.13(0.831,1.54)	0.252	406	-0.072	0.146	-0.071	0.154
rs7863638	9	6538269	0.34	0.278	*GLDC*	512	1.19(0.916,1.53)	0.196	1.18(0.91,1.53)	0.212	409	1.14(0.862,1.51)	0.352	1.14(0.855,1.52)	0.372	409	1.09(0.802,1.47)	0.59	1.09(0.797,1.48)	0.599	408	-0.072	0.146	-0.072	0.148
rs10441734	9	6538392	0.5	0.158	*GLDC*	512	0.874(0.685,1.11)	0.277	0.878(0.688,1.12)	0.297	409	0.818(0.627,1.07)	0.138	0.827(0.632,1.08)	0.164	409	0.882(0.664,1.17)	0.385	0.89(0.667,1.19)	0.425	408	0.079	0.112	0.077	0.122
rs12347506	9	6539840	0.48	0.156	*GLDC*	512	1.1(0.861,1.4)	0.45	1.09(0.856,1.39)	0.48	409	1.22(0.932,1.58)	0.148	1.2(0.92,1.57)	0.176	409	1.11(0.836,1.47)	0.471	1.1(0.825,1.46)	0.521	408	-0.058	0.245	-0.055	0.265
rs4512434	9	6543053	0.32	1	*GLDC*	510	0.799(0.609,1.05)	0.106	0.813(0.618,1.07)	0.133	408	0.844(0.629,1.13)	0.256	0.861(0.64,1.16)	0.237	408	0.814(0.597,1.11)	0.195	0.828(0.605,1.13)	0.285	407	0.076	0.128	0.073	0.142
rs4740848	9	6544557	0.48	0.534	*GLDC*	507	1.01(0.788,1.29)	0.941	1.02(0.795,1.31)	0.881	406	0.935(0.715,1.22)	0.622	0.94(0.717,1.23)	0.368	406	1.18(0.888,1.58)	0.249	1.22(0.908,1.63)	0.234	405	-0.046	0.353	-0.05	0.317
rs2274874	9	6544843	0.14	1	*GLDC*	512	1.17(0.823,1.68)	0.376	1.17(0.816,1.67)	0.399	409	1.38(0.927,2.06)	0.111	1.35(0.904,2.01)	0.141	409	1.13(0.737,1.75)	0.566	1.09(0.708,1.69)	0.686	408	-0.043	0.382	-0.039	0.429
rs1929933	9	6545078	0.25	0.633	*GLDC*	512	0.986(0.74,1.31)	0.921	0.985(0.738,1.32)	0.921	409	1.02(0.747,1.4)	0.89	1.04(0.755,1.42)	0.825	409	1.01(0.724,1.42)	0.932	1.04(0.736,1.46)	0.836	408	0.01	0.834	0.004	0.932
rs10815443	9	6545182	0.38	0.708	*GLDC*	512	0.861(0.665,1.11)	0.252	0.863(0.665,1.12)	0.266	409	0.88(0.664,1.17)	0.373	0.875(0.657,1.16)	0.359	409	0.913(0.677,1.23)	0.554	0.897(0.661,1.22)	0.486	408	-0.01	0.848	-0.005	0.916
rs10125618	9	6545310	0.38	0.456	*GLDC*	511	0.811(0.623,1.06)	0.118	0.797(0.61,1.04)	0.134	408	0.808(0.606,1.08)	0.143	0.788(0.588,1.06)	0.127	408	0.855(0.631,1.16)	0.316	0.824(0.602,1.13)	0.123	407	0.065	0.188	0.07	0.158
rs10975640	9	6545416	0.34	0.373	*GLDC*	512	0.804(0.612,1.06)	0.117	0.826(0.627,1.09)	0.174	409	0.793(0.588,1.07)	0.126	0.803(0.594,1.09)	0.153	409	0.883(0.644,1.21)	0.443	0.897(0.649,1.24)	0.508	408	0.044	0.381	0.041	0.41
rs10975641	9	6546838	0.39	0.643	*GLDC*	512	0.696(0.534,0.907)	0.00672	0.698(0.534,0.913)	0.0079	409	0.684(0.513,0.911)	0.00886	0.682(0.509,0.913)	0.00937	409	0.729(0.539,0.987)	0.0403	0.728(0.535,0.991)	0.0433	408	0.138	0.005	0.136	0.006
rs4333664	9	6546947	0.45	0.373	*GLDC*	512	0.791(0.61,1.03)	0.0751	0.802(0.617,1.04)	0.0983	409	0.774(0.583,1.03)	0.0739	0.777(0.583,1.03)	0.0826	409	0.795(0.588,1.07)	0.135	0.804(0.592,1.09)	0.161	408	0.097	0.051	0.095	0.056
rs7853386	9	6553811	0.35	0.384	*GLDC*	512	1.18(0.901,1.54)	0.233	1.17(0.894,1.53)	0.253	409	1.16(0.863,1.55)	0.328	1.15(0.853,1.54)	0.364	409	1.24(0.904,1.71)	0.177	1.24(0.894,1.71)	0.198	408	-0.086	0.082	-0.084	0.092
rs7870809	9	6557840	0.33	0.551	*GLDC*	511	1.23(0.937,1.6)	0.138	1.22(0.932,1.6)	0.186	408	1.26(0.934,1.7)	0.129	1.25(0.928,1.69)	0.153	408	1.15(0.833,1.59)	0.395	1.14(0.822,1.58)	0.189	407	-0.074	0.137	-0.072	0.145
rs10815447	9	6561568	0.42	0.465	*GLDC*	507	1.23(0.946,1.59)	0.123	1.23(0.944,1.59)	0.15	405	1.29(0.973,1.71)	0.0753	1.3(0.978,1.72)	0.116	405	1.21(0.895,1.64)	0.212	1.22(0.896,1.65)	0.506	404	-0.064	0.2	-0.066	0.187
rs10815450	9	6571460	0.25	0.726	*GLDC*	512	1.13(0.848,1.51)	0.402	1.13(0.841,1.51)	0.427	409	1.06(0.77,1.45)	0.737	1.05(0.761,1.44)	0.774	409	1.14(0.806,1.6)	0.462	1.13(0.801,1.61)	0.475	408	-0.055	0.266	-0.053	0.283
rs12004478	9	6571659	0.32	0.222	*GLDC*	511	0.745(0.57,0.972)	0.0288	0.744(0.568,0.975)	0.0524	408	0.747(0.563,0.993)	0.043	0.747(0.56,0.996)	0.0611	408	0.746(0.554,1.01)	0.0546	0.745(0.55,1.01)	0.0446	407	0.118	0.017	0.116	0.019
rs4602948	9	6577875	0.41	0.466	*GLDC*	512	1.25(0.968,1.62)	0.0858	1.25(0.965,1.63)	0.0897	409	1.32(0.997,1.75)	0.0515	1.32(0.996,1.76)	0.052	409	1.16(0.859,1.57)	0.328	1.16(0.851,1.57)	0.353	408	-0.074	0.137	-0.073	0.14
rs11789777	9	6584977	0.31	0.409	*GLDC*	512	0.754(0.576,0.988)	0.0389	0.756(0.575,0.993)	0.0425	409	0.773(0.578,1.03)	0.08	0.772(0.575,1.04)	0.0826	409	0.759(0.56,1.03)	0.0766	0.755(0.554,1.03)	0.0758	408	0.096	0.052	0.095	0.055
rs7863517	9	6588678	0.29	0.667	*GLDC*	511	1.01(0.767,1.34)	0.926	1.02(0.77,1.35)	0.392	408	0.957(0.704,1.3)	0.777	0.955(0.7,1.3)	0.44	408	1.17(0.835,1.63)	0.364	1.19(0.846,1.67)	0.399	407	-0.028	0.579	-0.029	0.564
rs7030760	9	6592820	0.25	0.482	*GLDC*	511	1.02(0.758,1.36)	0.918	1.01(0.752,1.36)	0.608	408	1.01(0.729,1.39)	0.966	1(0.721,1.39)	0.522	408	1.28(0.895,1.83)	0.172	1.29(0.895,1.85)	0.128	407	-0.048	0.334	-0.046	0.353
rs10125015	9	6599577	0.31	0.216	*GLDC*	512	0.827(0.634,1.08)	0.161	0.83(0.635,1.09)	0.171	409	0.89(0.668,1.19)	0.424	0.896(0.671,1.2)	0.457	409	0.798(0.589,1.08)	0.147	0.808(0.595,1.1)	0.175	408	0.081	0.103	0.079	0.113
rs4629927	9	6600997	0.38	0.64	*GLDC*	511	0.878(0.681,1.13)	0.318	0.862(0.665,1.12)	0.301	408	0.866(0.655,1.15)	0.314	0.849(0.638,1.13)	0.261	408	1.01(0.751,1.37)	0.93	1(0.74,1.36)	0.275	407	0.003	0.952	0.007	0.895
rs7035933	9	6601608	0.21	0.109	*GLDC*	512	0.873(0.633,1.2)	0.406	0.877(0.635,1.21)	0.427	409	0.868(0.612,1.23)	0.428	0.871(0.613,1.24)	0.443	409	0.813(0.563,1.17)	0.272	0.806(0.555,1.17)	0.262	408	0.021	0.674	0.018	0.721
rs7049056	9	6604083	0.14	1	*GLDC*	512	0.799(0.55,1.16)	0.236	0.796(0.544,1.16)	0.237	409	0.77(0.513,1.16)	0.206	0.75(0.495,1.14)	0.173	409	1.02(0.66,1.57)	0.935	0.99(0.634,1.54)	0.964	408	0.008	0.873	0.012	0.814
rs10975694	9	6607554	0.06	0.712	*GLDC*	512	0.91(0.538,1.54)	0.723	0.896(0.524,1.53)	0.689	409	0.845(0.469,1.52)	0.574	0.819(0.449,1.49)	0.514	409	1.27(0.662,2.45)	0.465	1.21(0.619,2.37)	0.571	408	-0.026	0.605	-0.02	0.686
rs2578264	9	6609818	0.14	0.461	*GLDC*	512	0.939(0.657,1.34)	0.727	0.943(0.659,1.35)	0.75	409	0.924(0.631,1.36)	0.687	0.924(0.628,1.36)	0.689	409	1.01(0.672,1.53)	0.953	1.04(0.685,1.57)	0.861	408	0.026	0.602	0.023	0.642
rs4740853	9	6609994	0.16	0.87	*GLDC*	512	1.41(1,1.97)	0.0471	1.39(0.995,1.95)	0.054	409	1.31(0.905,1.89)	0.152	1.29(0.893,1.87)	0.173	409	1.4(0.924,2.11)	0.106	1.36(0.9,2.06)	0.136	408	-0.031	0.527	-0.023	0.64
rs2118653	9	6610058	0.47	0.374	*GLDC*	511	1.01(0.79,1.29)	0.942	1.01(0.787,1.29)	0.533	408	1.04(0.795,1.37)	0.763	1.06(0.804,1.39)	0.419	408	0.932(0.696,1.25)	0.635	0.939(0.698,1.26)	0.236	407	-0.002	0.964	-0.004	0.932
rs2578268	9	6614483	0.5	1	*GLDC*	512	1.03(0.805,1.33)	0.799	1.02(0.796,1.32)	0.854	409	1.11(0.845,1.46)	0.449	1.11(0.843,1.46)	0.455	409	1.04(0.776,1.4)	0.791	1.03(0.767,1.39)	0.834	408	-0.052	0.296	-0.05	0.316
rs1352496	9	6615156	0.13	1	*GLDC*	512	0.864(0.595,1.25)	0.441	0.895(0.613,1.31)	0.563	409	0.81(0.537,1.23)	0.327	0.847(0.555,1.29)	0.438	409	0.953(0.614,1.48)	0.83	1(0.637,1.57)	0.997	408	0.035	0.478	0.029	0.564
rs2773507	9	6618915	0.12	0.413	*GLDC*	512	0.789(0.539,1.16)	0.218	0.783(0.533,1.15)	0.208	409	0.752(0.501,1.13)	0.167	0.739(0.49,1.12)	0.147	409	0.915(0.598,1.4)	0.684	0.921(0.599,1.42)	0.707	408	0.057	0.251	0.056	0.257
rs41526646	9	6620451	0.17	0.753	*GLDC*	511	1.16(0.828,1.63)	0.386	1.16(0.823,1.63)	0.42	408	1.2(0.825,1.73)	0.346	1.2(0.824,1.74)	0.327	408	1.08(0.721,1.61)	0.716	1.09(0.723,1.63)	0.308	407	-0.046	0.351	-0.048	0.334
rs1025722	9	6623239	0.25	0.556	*GLDC*	512	0.766(0.569,1.03)	0.0787	0.777(0.576,1.05)	0.0969	409	0.721(0.52,0.999)	0.0481	0.727(0.523,1.01)	0.0561	409	0.893(0.633,1.26)	0.517	0.906(0.64,1.28)	0.578	408	0.085	0.085	0.082	0.099
rs7031908	9	6625044	0.24	0.225	*GLDC*	512	1.24(0.932,1.65)	0.14	1.24(0.928,1.65)	0.147	409	1.16(0.851,1.58)	0.345	1.14(0.836,1.56)	0.403	409	0.973(0.698,1.36)	0.871	0.958(0.685,1.34)	0.803	408	-0.015	0.757	-0.012	0.807
rs4742231	9	6628129	0.22	0.299	*GLDC*	512	1.12(0.836,1.51)	0.444	1.11(0.825,1.5)	0.488	409	1.03(0.75,1.43)	0.837	1.01(0.733,1.4)	0.932	409	0.93(0.66,1.31)	0.677	0.909(0.643,1.29)	0.591	408	0.007	0.896	0.012	0.805
rs1658977	9	6630702	0.25	0.812	*GLDC*	505	0.806(0.599,1.09)	0.154	0.815(0.604,1.1)	0.136	404	0.786(0.567,1.09)	0.147	0.792(0.57,1.1)	0.167	404	0.926(0.656,1.31)	0.662	0.935(0.659,1.32)	0.605	403	0.06	0.227	0.057	0.25
rs1755606	9	6631801	0.48	1	*GLDC*	512	0.973(0.758,1.25)	0.828	0.977(0.759,1.26)	0.857	409	0.888(0.675,1.17)	0.393	0.877(0.665,1.16)	0.352	409	0.851(0.634,1.14)	0.282	0.839(0.623,1.13)	0.248	408	0.057	0.25	0.06	0.224
rs1755615	9	6633753	0.24	0.399	*GLDC*	509	0.787(0.581,1.07)	0.12	0.796(0.586,1.08)	0.12	406	0.755(0.541,1.05)	0.0975	0.754(0.539,1.06)	0.0969	406	0.724(0.51,1.03)	0.0707	0.714(0.501,1.02)	0.0385	405	0.114	0.022	0.114	0.022
rs2578286	9	6638606	0.44	0.788	*GLDC*	511	0.914(0.709,1.18)	0.486	0.912(0.706,1.18)	0.292	408	0.85(0.643,1.12)	0.255	0.833(0.628,1.1)	0.2	408	0.777(0.576,1.05)	0.0989	0.756(0.558,1.03)	0.131	407	0.085	0.088	0.088	0.076
rs2988418	9	6640884	0.19	0.478	*GLDC*	512	0.728(0.522,1.02)	0.0585	0.725(0.517,1.02)	0.0594	409	0.716(0.5,1.03)	0.0673	0.697(0.484,1.01)	0.0517	409	0.711(0.49,1.03)	0.0741	0.676(0.462,0.99)	0.0454	408	0.109	0.028	0.112	0.023
rs4742235	9	6641493	0.16	0.137	*GLDC*	512	1.04(0.753,1.45)	0.793	1.05(0.754,1.46)	0.779	409	1.02(0.716,1.46)	0.907	1.02(0.71,1.45)	0.934	409	1.03(0.701,1.5)	0.892	1.03(0.699,1.52)	0.883	408	-0.015	0.765	-0.012	0.809
rs2578283	9	6642996	0.33	0.192	*GLDC*	512	0.777(0.588,1.03)	0.074	0.784(0.592,1.04)	0.0867	409	0.797(0.591,1.08)	0.137	0.789(0.583,1.07)	0.122	409	0.911(0.663,1.25)	0.567	0.896(0.649,1.24)	0.506	408	0.077	0.12	0.078	0.118
rs2773510	9	6643182	0.15	0.395	*GLDC*	512	0.715(0.496,1.03)	0.0684	0.7(0.483,1.01)	0.0561	409	0.726(0.489,1.08)	0.111	0.695(0.464,1.04)	0.0742	409	0.794(0.526,1.2)	0.272	0.742(0.488,1.13)	0.167	408	0.052	0.291	0.058	0.243

rs11999442	9	6644049	0.16	1	*GLDC*	512	0.895(0.634,1.26)	0.527	0.911(0.644,1.29)	0.596	409	0.93(0.638,1.36)	0.706	0.945(0.646,1.38)	0.769	409	1.18(0.781,1.79)	0.427	1.23(0.803,1.87)	0.341	408	0.003	0.951	-0.002	0.96
rs10815461	9	6644202	0.48	0.723	*GLDC*	512	0.964(0.753,1.23)	0.771	0.976(0.762,1.25)	0.851	409	0.952(0.73,1.24)	0.716	0.958(0.733,1.25)	0.754	409	1(0.756,1.34)	0.974	1.02(0.761,1.35)	0.916	408	0.033	0.512	0.029	0.553
rs7031325	9	6645055	0.35	0.438	*GLDC*	512	0.802(0.612,1.05)	0.107	0.807(0.615,1.06)	0.119	409	0.823(0.617,1.1)	0.186	0.814(0.609,1.09)	0.166	409	0.933(0.686,1.27)	0.657	0.913(0.669,1.25)	0.568	408	0.061	0.219	0.063	0.206
rs7860723	9	6646618	0.07	0.714	*GLDC*	512	1.14(0.682,1.89)	0.627	1.15(0.688,1.92)	0.596	409	0.909(0.53,1.56)	0.728	0.928(0.539,1.6)	0.787	409	0.852(0.484,1.5)	0.582	0.863(0.487,1.53)	0.616	408	0.051	0.301	0.05	0.317
rs12552845	9	6648899	0.13	1	*GLDC*	512	0.949(0.656,1.37)	0.779	0.964(0.665,1.4)	0.845	409	0.991(0.658,1.49)	0.965	1(0.662,1.51)	1	409	1.26(0.799,1.99)	0.313	1.3(0.818,2.07)	0.259	408	-0.002	0.964	-0.007	0.883
rs9785246	9	6654752	0.27	0.266	*GLDC*	512	0.932(0.708,1.23)	0.613	0.929(0.704,1.23)	0.603	409	0.958(0.71,1.29)	0.781	0.947(0.699,1.28)	0.725	409	1.14(0.822,1.58)	0.431	1.1(0.794,1.54)	0.553	408	-0.011	0.819	-0.007	0.893
rs1658970	9	6654852	0.13	0.0047	*GLDC*	512	0.998(0.702,1.42)	0.99	1.02(0.717,1.47)	0.893	409	1.09(0.744,1.6)	0.658	1.08(0.732,1.6)	0.696	409	0.885(0.592,1.32)	0.552	0.895(0.592,1.35)	0.603	408	-0.004	0.942	-0.003	0.959
rs12552514	9	6655592	0.13	0.704	*GLDC*	512	0.983(0.683,1.42)	0.926	0.991(0.687,1.43)	0.963	409	1.01(0.677,1.52)	0.951	1.02(0.676,1.53)	0.941	409	1.34(0.852,2.12)	0.195	1.36(0.858,2.16)	0.182	408	-0.012	0.807	-0.014	0.771
rs820505	9	6659473	0.33	0.228	*GLDC*	512	0.889(0.685,1.15)	0.375	0.881(0.677,1.15)	0.346	409	0.8(0.602,1.06)	0.124	0.811(0.608,1.08)	0.151	409	0.969(0.716,1.31)	0.837	0.978(0.72,1.33)	0.886	408	0.033	0.507	0.032	0.515
rs1658957	9	6662096	0.5	0.791	*GLDC*	512	1.32(1.02,1.7)	0.0327	1.33(1.03,1.72)	0.0264	409	1.26(0.96,1.66)	0.0944	1.27(0.967,1.68)	0.0836	409	0.948(0.709,1.27)	0.716	0.969(0.72,1.3)	0.834	408	-0.022	0.66	-0.025	0.617
rs7871969	9	6663464	0.08	1	*GLDC*	512	0.966(0.61,1.53)	0.884	0.982(0.618,1.56)	0.94	409	0.734(0.451,1.19)	0.21	0.756(0.463,1.23)	0.261	409	0.795(0.481,1.31)	0.373	0.828(0.498,1.38)	0.47	408	0.08	0.109	0.074	0.137
rs10975734	9	6663699	0.29	0.589	*GLDC*	512	1.43(1.08,1.9)	0.0115	1.43(1.08,1.9)	0.0128	409	1.53(1.11,2.09)	0.0078	1.54(1.12,2.12)	0.00676	409	1.14(0.816,1.59)	0.44	1.16(0.825,1.63)	0.391	408	-0.054	0.278	-0.059	0.236
rs1759413	9	6663765	0.24	0.904	*GLDC*	512	0.882(0.657,1.18)	0.399	0.87(0.646,1.17)	0.354	409	0.873(0.634,1.2)	0.404	0.876(0.635,1.21)	0.421	409	1.08(0.765,1.52)	0.663	1.08(0.76,1.52)	0.682	408	-0.013	0.798	-0.011	0.827
rs11612037	12	55900039	0.04	0.203	*SHMT2*	512	0.737(0.389,1.4)	0.341	0.743(0.391,1.41)	0.356	409	0.871(0.437,1.74)	0.695	0.891(0.446,1.78)	0.743	409	0.452(0.224,0.912)	0.0263	0.457(0.226,0.924)	0.0291	408	0.075	0.13	0.072	0.147
rs7489231	12	55900750	0.37	0.635	*SHMT2*	512	1.08(0.839,1.4)	0.541	1.09(0.845,1.41)	0.499	409	1.11(0.839,1.48)	0.452	1.1(0.827,1.47)	0.503	409	1.34(0.982,1.83)	0.0627	1.32(0.96,1.81)	0.0855	408	-0.079	0.11	-0.073	0.143
rs7485577	12	55902327	0.3	0.205	*SHMT2*	511	1.22(0.935,1.59)	0.145	1.21(0.931,1.59)	0.237	408	1.22(0.907,1.65)	0.186	1.2(0.889,1.62)	0.287	408	1.41(1.01,1.97)	0.0384	1.39(0.99,1.94)	0.0604	407	-0.109	0.028	-0.102	0.04
rs28365862	12	55909629	0.04	0.19	*SHMT2*	510	0.981(0.525,1.83)	0.952	1.01(0.537,1.9)	0.393	407	1.12(0.552,2.28)	0.75	1.17(0.57,2.4)	0.375	407	1.15(0.529,2.52)	0.718	1.18(0.532,2.6)	0.659	406	-0.009	0.853	-0.015	0.769
rs34095989	12	55913983	0.37	0.705	*SHMT2*	512	1.08(0.834,1.4)	0.552	1.1(0.846,1.43)	0.476	409	1.14(0.856,1.51)	0.377	1.17(0.877,1.56)	0.286	409	0.909(0.671,1.23)	0.535	0.947(0.697,1.29)	0.727	408	0	0.998	-0.009	0.855
rs11609986	12	55921325	0.47	0.109	*SHMT2*	509	0.86(0.675,1.1)	0.224	0.854(0.669,1.09)	0.198	406	0.81(0.622,1.05)	0.116	0.803(0.615,1.05)	0.11	406	1.03(0.776,1.36)	0.845	1.01(0.76,1.34)	0.197	405	0.02	0.695	0.025	0.618
rs3204635	12	55923859	0.26	0.0292	*SHMT2*	512	0.871(0.663,1.15)	0.321	0.859(0.652,1.13)	0.277	409	0.791(0.588,1.06)	0.12	0.785(0.582,1.06)	0.112	409	0.825(0.604,1.13)	0.227	0.813(0.593,1.11)	0.198	408	0.071	0.153	0.072	0.144
rs2911158	16	79648757	0.09	0.177	*GCSH*	512	0.996(0.655,1.52)	0.987	1.04(0.681,1.59)	0.858	409	1.19(0.733,1.93)	0.482	1.27(0.774,2.07)	0.347	409	1.02(0.608,1.72)	0.936	1.11(0.651,1.88)	0.704	408	0.014	0.771	0.006	0.904
rs804896	16	79658360	0.25	0.155	*GCSH*	512	1.01(0.767,1.34)	0.92	1.02(0.769,1.35)	0.905	409	1.1(0.809,1.5)	0.541	1.11(0.813,1.51)	0.512	409	0.922(0.664,1.28)	0.629	0.928(0.667,1.29)	0.661	408	-0.032	0.521	-0.035	0.481
rs804905	16	79664463	0.25	0.633	*GCSH*	512	0.944(0.708,1.26)	0.695	0.951(0.712,1.27)	0.732	409	1.01(0.734,1.39)	0.954	1.02(0.738,1.4)	0.919	409	0.891(0.636,1.25)	0.507	0.897(0.638,1.26)	0.534	408	-0.004	0.939	-0.006	0.911
rs17763866	16	79670922	0.18	0.88	*GCSH*	512	1.03(0.742,1.43)	0.855	1.01(0.722,1.4)	0.971	409	1.06(0.739,1.52)	0.752	1.03(0.714,1.48)	0.881	409	0.878(0.599,1.29)	0.505	0.841(0.571,1.24)	0.382	408	-0.03	0.543	-0.026	0.607
rs10514515	16	79672822	0.08	0.766	*GCSH*	511	0.943(0.599,1.49)	0.801	0.993(0.627,1.57)	0.905	409	1.13(0.672,1.91)	0.64	1.25(0.731,2.13)	0.416	409	1.06(0.605,1.87)	0.829	1.21(0.675,2.16)	0.522	408	-0.007	0.884	-0.018	0.716
rs8177906	16	79678853	0.15	0.859	*GCSH*	506	1.09(0.765,1.55)	0.635	1.05(0.737,1.5)	0.252	405	1.11(0.752,1.65)	0.59	1.08(0.729,1.61)	0.312	405	0.9(0.595,1.36)	0.621	0.858(0.564,1.31)	0.512	404	-0.034	0.494	-0.031	0.534
rs8177876	16	79681775	0.07	0.314	*GCSH*	510	0.815(0.5,1.33)	0.406	0.85(0.519,1.39)	0.242	407	0.944(0.542,1.64)	0.839	1.04(0.59,1.83)	0.363	407	0.997(0.551,1.81)	0.993	1.12(0.608,2.05)	0.613	406	0.022	0.659	0.014	0.782
rs8059692	16	79687994	0.07	0.313	*GCSH*	511	0.804(0.494,1.31)	0.375	0.849(0.519,1.39)	0.429	409	0.971(0.556,1.7)	0.918	1.06(0.6,1.87)	0.845	409	0.961(0.53,1.74)	0.895	1.06(0.576,1.94)	0.857	408	0.021	0.669	0.014	0.774
rs1869348	16	79699757	0.44	0.0202	*GCSH*	512	1.03(0.807,1.3)	0.837	1.03(0.813,1.32)	0.786	409	0.957(0.737,1.24)	0.742	0.959(0.737,1.25)	0.754	409	0.998(0.754,1.32)	0.988	1(0.753,1.33)	0.999	408	-0.02	0.685	-0.026	0.607
rs4520846	16	79699858	0.36	0.0841	*GCSH*	510	1.04(0.813,1.34)	0.734	1.03(0.802,1.33)	0.382	407	1.03(0.786,1.36)	0.819	1(0.762,1.32)	0.41	407	0.979(0.73,1.31)	0.887	0.938(0.697,1.26)	0.354	406	-0.028	0.577	-0.024	0.636
rs11647962	16	79703255	0.49	0.027	*GCSH*	510	1.05(0.829,1.34)	0.674	1.06(0.837,1.35)	0.37	408	1.02(0.782,1.32)	0.902	1.02(0.786,1.33)	0.452	408	1.04(0.788,1.38)	0.765	1.05(0.788,1.39)	0.629	407	-0.025	0.609	-0.028	0.573
rs8047530	16	79707371	0.49	0.0639	*GCSH*	512	0.94(0.739,1.2)	0.612	0.93(0.73,1.18)	0.557	409	0.962(0.739,1.25)	0.773	0.955(0.733,1.25)	0.736	409	0.963(0.726,1.28)	0.793	0.96(0.722,1.28)	0.78	408	0.023	0.647	0.026	0.597
rs8050204	16	79714885	0.15	0.303	*GCSH*	512	0.936(0.665,1.32)	0.704	0.937(0.662,1.32)	0.71	409	0.931(0.642,1.35)	0.706	0.926(0.633,1.35)	0.691	409	1.1(0.732,1.64)	0.655	1.1(0.726,1.67)	0.651	408	0.001	0.976	0.003	0.95
rs4889242	16	79715021	0.49	0.594	*GCSH*	507	1.08(0.84,1.38)	0.558	1.1(0.859,1.42)	0.223	405	1.03(0.783,1.35)	0.84	1.04(0.791,1.37)	0.277	405	1.05(0.781,1.4)	0.762	1.07(0.793,1.44)	0.586	404	-0.03	0.545	-0.035	0.481
rs9745992	16	79716937	0.16	0.259	*GCSH*	512	0.982(0.706,1.37)	0.913	0.981(0.702,1.37)	0.909	409	0.922(0.64,1.33)	0.661	0.915(0.63,1.33)	0.64	409	0.988(0.669,1.46)	0.952	0.986(0.66,1.47)	0.943	408	0.017	0.727	0.021	0.677
rs8076336	17	18153338	0.41	0.144	*SHMT1*	512	1.06(0.831,1.36)	0.625	1.1(0.854,1.41)	0.464	409	1.05(0.804,1.37)	0.729	1.06(0.808,1.39)	0.684	409	1.03(0.776,1.37)	0.831	1.05(0.786,1.4)	0.74	408	-0.029	0.554	-0.034	0.49
rs8080966	17	18161398	0.3	0.14	*SHMT1*	512	1.15(0.886,1.5)	0.289	1.19(0.908,1.56)	0.208	409	1.15(0.862,1.53)	0.345	1.16(0.871,1.56)	0.304	409	1.09(0.799,1.48)	0.591	1.13(0.823,1.55)	0.451	408	-0.067	0.176	-0.074	0.137
rs1563632	17	18161494	0.33	1	*SHMT1*	512	0.91(0.698,1.19)	0.487	0.895(0.684,1.17)	0.418	409	0.923(0.692,1.23)	0.587	0.917(0.685,1.23)	0.56	409	0.863(0.635,1.17)	0.348	0.842(0.616,1.15)	0.282	408	0.06	0.23	0.063	0.204
rs16961153	17	18167825	0.26	0.0399	*SHMT1*	512	1.02(0.778,1.34)	0.887	1(0.762,1.31)	0.998	409	1.02(0.755,1.37)	0.919	1.01(0.751,1.36)	0.937	409	1.13(0.816,1.55)	0.468	1.13(0.816,1.56)	0.463	408	-0.028	0.576	-0.025	0.61
rs1979277	17	18172820	0.3	0.115	*SHMT1*	512	1.12(0.86,1.45)	0.403	1.15(0.881,1.5)	0.303	409	1.11(0.836,1.47)	0.469	1.12(0.843,1.5)	0.423	409	1.06(0.78,1.44)	0.711	1.1(0.803,1.5)	0.563	408	-0.057	0.249	-0.064	0.198
rs2273028	17	18179736	0.31	0.0478	*SHMT1*	512	1.09(0.84,1.41)	0.526	1.12(0.858,1.45)	0.411	409	1.09(0.821,1.44)	0.562	1.1(0.827,1.46)	0.516	409	1.04(0.77,1.4)	0.8	1.07(0.79,1.46)	0.652	408	-0.049	0.323	-0.055	0.263
rs11868708	17	18185337	0.26	0.0666	*SHMT1*	511	1.01(0.769,1.33)	0.938	0.992(0.753,1.31)	0.413	408	1.01(0.748,1.36)	0.951	1.01(0.745,1.36)	0.498	408	1.14(0.82,1.57)	0.442	1.14(0.821,1.58)	0.517	407	-0.026	0.6	-0.024	0.627
rs7207306	17	18188086	0.29	0.831	*SHMT1*	512	1.16(0.884,1.53)	0.283	1.2(0.908,1.59)	0.201	409	1.12(0.833,1.5)	0.457	1.14(0.842,1.54)	0.4	409	1.07(0.776,1.47)	0.69	1.11(0.8,1.54)	0.535	408	-0.053	0.29	-0.06	0.225
rs9909104	17	18188745	0.27	0.14	*SHMT1*	510	0.978(0.743,1.29)	0.873	0.959(0.728,1.27)	0.33	407	0.982(0.727,1.33)	0.905	0.98(0.724,1.33)	0.478	407	1.11(0.801,1.53)	0.532	1.11(0.802,1.54)	0.643	406	-0.016	0.746	-0.014	0.776
rs2273027	17	18191251	0.36	1	*SHMT1*	512	0.967(0.746,1.25)	0.803	0.958(0.737,1.25)	0.75	409	0.982(0.737,1.31)	0.9	0.976(0.732,1.3)	0.87	409	1.07(0.784,1.45)	0.679	1.05(0.772,1.44)	0.742	408	0.008	0.871	0.012	0.803
rs2273026	17	18197703	0.1	0.805	*SHMT1*	512	0.914(0.597,1.4)	0.679	0.929(0.598,1.44)	0.741	409	0.885(0.546,1.43)	0.62	0.879(0.538,1.44)	0.606	409	0.902(0.541,1.5)	0.692	0.866(0.515,1.46)	0.588	408	0.028	0.567	0.031	0.528
rs669340	17	18204681	0.36	0.924	*SHMT1*	512	0.856(0.658,1.11)	0.247	0.841(0.644,1.1)	0.201	409	0.88(0.66,1.17)	0.382	0.868(0.648,1.16)	0.344	409	0.865(0.636,1.17)	0.353	0.839(0.613,1.15)	0.274	408	0.059	0.236	0.064	0.196
rs2461837	17	18206191	0.28	0.447	*SHMT1*	512	1.24(0.944,1.62)	0.123	1.28(0.972,1.69)	0.0785	409	1.21(0.899,1.62)	0.208	1.24(0.915,1.67)	0.167	409	1.11(0.805,1.52)	0.531	1.16(0.835,1.6)	0.38	408	-0.068	0.172	-0.076	0.123
rs672356	17	18207291	0.29	0.45	*SHMT1*	512	1.25(0.954,1.64)	0.105	1.3(0.982,1.71)	0.0663	409	1.22(0.91,1.64)	0.182	1.25(0.925,1.69)	0.145	409	1.12(0.811,1.54)	0.498	1.17(0.841,1.62)	0.355	408	-0.074	0.135	-0.083	0.095
rs62072547	17	18208215	0.14	1	*SHMT1*	511	1.02(0.713,1.47)	0.906	1(0.698,1.44)	0.449	408	1(0.675,1.49)	0.991	0.982(0.659,1.46)	0.506	408	1.03(0.676,1.58)	0.874	1.02(0.662,1.56)	0.712	407	0.03	0.545	0.034	0.498
rs9901160	17	18215867	0.15	0.296	*SHMT1*	510	1.2(0.851,1.69)	0.302	1.19(0.844,1.68)	0.286	408	1.16(0.802,1.69)	0.424	1.2(0.823,1.75)	0.307	408	1.27(0.839,1.92)	0.253	1.32(0.864,2.02)	0.285	407	-0.058	0.243	-0.066	0.186
rs8065874	17	18216571	0.24	0.473	*SHMT1*	511	1.05(0.778,1.4)	0.77	1.05(0.779,1.42)	0.611	408	1.02(0.736,1.42)	0.901	1.04(0.749,1.45)	0.535	408	1.11(0.782,1.59)	0.548	1.13(0.785,1.62)	0.298	407	-0.019	0.709	-0.023	0.648
rs617624	17	18224351	0.39	1	*SHMT1*	507	1.11(0.857,1.43)	0.433	1.13(0.869,1.47)	0.273	406	1.07(0.809,1.41)	0.637	1.08(0.812,1.43)	0.361	406	1.07(0.796,1.45)	0.64	1.11(0.816,1.5)	0.627	405	-0.036	0.468	-0.041	0.414
rs7222009	17	18230647	0.38	0.397	*SHMT1*	512	0.875(0.672,1.14)	0.322	0.856(0.655,1.12)	0.253	409	0.92(0.688,1.23)	0.574	0.906(0.674,1.22)	0.509	409	0.916(0.672,1.25)	0.583	0.887(0.647,1.22)	0.46	408	0.033	0.51	0.038	0.442

Supplemental Table 1: Single SNP associations with SSRI treatment outcomes for all 131 loci analyzed. P-values and ORs are reported as unadjusted and adjusted for 4 eigenvectors. Hardy-Weinberg Equilibrium (HWE) P-values and minor allele frequencies (MAFs) for the subjects analyzed are also listed.