

Table S2. Single nucleotide polymorphisms (SNPs) genotyped in this gastric cancer study

SNP	Chromosome	Gene	Location	Genic Location	Study Population MAF	AMR MAF†
rs1801131	1	<i>MTHFR</i>	11794419	Missense	0.137	0.151
rs1801133	1	<i>MTHFR</i>	11796321	Missense	0.433	0.474
rs1846522	1	<i>FAF1</i>	50515533	Intron	0.053	0.086
rs1137101	1	<i>LEPR</i>	65592830	Missense	0.43	0.437
rs5845	1	<i>SELENOF</i>	86863156	Non Coding	0.186	0.180
rs4072037*	1	<i>MUC1</i>	155192276	Synonymous	0.094	0.287
rs1800872*	1	<i>IL10</i>	206773062	Upstream	0.387	0.333
rs1800871	1	<i>IL10</i>	206773289	Upstream	0.383	0.333
rs1800896	1	<i>IL10</i>	206773552	Upstream	0.211	0.295
rs1051740	1	<i>EPHX1</i>	225831932	Missense	0.386	0.320
rs2302615	2	<i>ODC1</i>	10448012	Intron	0.264	0.252
rs1800440	2	<i>CYP1B1</i>	38070996	Missense	0.094	0.007
rs1056836	2	<i>CYP1B1</i>	38071060	Missense	0.246	0.097
rs10197208	2	<i>GKN3P</i>	68925812	none	0.359	0.329
rs1143634	2	<i>IL1B</i>	112832813	Synonymous	0.104	0.125
rs1143627*	2	<i>IL1B</i>	112836810	5' UTR	0.388	0.447
rs16944	2	<i>IL1B</i>	112837290	Upstream	0.391	0.450
rs419598	2	<i>IL1RN</i>	113129630	Synonymous	0.349	0.331
rs1063728	2	<i>RPRM</i>	153477985	3' UTR	0.285	0.350
rs61261057*	2	<i>UGT1A10</i>	233682280	Intron	0.0004	0.000
rs17868323	2	<i>UGT1A10</i>	233682324	Intron	0.440	0.493
rs11692021	2	<i>UGT1A10</i>	233682559	Intron	0.230	0.264
rs35683	3	<i>GHRL</i>	10286566	Intron	0.276	0.329
rs9841504	3	<i>ZBTB20</i>	114643917	Intron	0.257	0.179
rs4129009	4	<i>TLR10</i>	38773268	Missense	0.107	0.140
rs10004195*	4	<i>TLR10</i>	38783103	Upstream	0.162	0.232
rs12233670*	4	<i>TLR10</i>	38785595	none	0.195	0.239
rs4543123	4	<i>TLR1</i>	38790903	Downstream	0.188	0.225
rs4833095*	4	<i>TLR1</i>	38798089	Missense	0.455	0.473
rs5743604	4	<i>TLR1</i>	38799664	Intron	0.471	0.437
rs17616434*	4	<i>TLR1</i>	38811255	none	0.452	0.470

rs6815814	4	<i>TLR1</i>	38814717	none	0.389	0.388
rs2282679*	4	<i>GC</i>	71742666	Intron	0.204	0.209
rs4588	4	<i>GC</i>	71752606	Missense	0.206	0.208
rs7041	4	<i>GC</i>	71752617	Missense	0.460	0.463
rs1155563*	4	<i>GC</i>	71777771	Intron	0.193	0.585
rs4073	4	<i>CXCL8</i>	73740307	Upstream	0.376	0.386
rs11736691*	4	<i>LOC100419170</i>	153665441	Intron	0.014	0.016
rs13361707	5	<i>PRKAA1</i>	40791782	Intron	0.208	0.254
rs7579	5	<i>CCDC152</i>	42800706	3' UTR	0.499	0.386
rs3877899	5	<i>CCDC152</i>	42801166	3' UTR	0.131	0.151
rs33972313*	5	<i>SLC23A1</i>	139379813	Missense	0.015	0.022
rs1316979*	6	<i>PGC</i>	41740926	Intron	0.031	0.048
rs3020314	6	<i>ESR1</i>	151949537	Intron	0.395	0.441
rs4880	6	<i>SOD2</i>	159692840	Missense	0.458	0.416
rs2066853	7	<i>AHR</i>	17339486	Missense	0.153	0.173
rs1800797*	7	<i>IL6</i>	22726602	Intron	0.138	0.184
rs1800795	7	<i>IL6</i>	22727026	Intron	0.139	0.184
rs799941	7	<i>SHBG</i>	80431740	none	0.054	0.062
rs7799039	7	<i>LOC105375494</i>	128238730	Upstream	0.406	0.435
rs5030839*	8	<i>NAT1</i>	18222606	Stop Gained	0.007	0.004
rs4986782*	8	<i>NAT1</i>	18222607	Missense	0.009	0.004
rs15561	8	<i>NAT1</i>	18223142	3' UTR	0.429	0.382
rs1801279*	8	<i>NAT2</i>	18400194	Missense	0.003	0.003
rs1041983	8	<i>NAT2</i>	18400285	Synonymous	0.321	0.291
rs1801280*	8	<i>NAT2</i>	18400344	Missense	0.281	0.362
rs1799929	8	<i>NAT2</i>	18400484	Synonymous	0.289	0.344
rs1799930	8	<i>NAT2</i>	18400593	Missense	0.187	0.352
rs1208*	8	<i>NAT2</i>	18400806	Missense	0.305	0.373
rs1799931	8	<i>NAT2</i>	18400860	Missense	0.128	0.112
rs2294008	8	<i>PSCA</i>	142680513	Intron	0.322	0.496
rs1927914	9	<i>TLR4</i>	117702447	Upstream	0.365	0.380
rs8176747*	9	<i>ABO</i>	133255928	Missense	0.046	0.048
rs8176746*	9	<i>ABO</i>	133255935	Missense	0.047	0.476

rs505922	9	<i>ABO</i>	133273813	Intron	0.219	0.276
rs10508902	10	<i>ARHGAP22</i>	48433138	Intron	0.324	0.256
rs5030737*	10	<i>MBL2</i>	52771482	Missense	0.025	0.033
rs1057910	10	<i>CYP2C9</i>	94981296	Missense	0.026	0.038
rs2031920	10	<i>CYP2E1</i>	133526341	Upstream	0.145	0.115
rs1993116*	11	<i>CYP2R1</i>	14888688	Intron	0.318	0.282
rs10500804*	11	<i>CYP2R1</i>	14888727	Intron	0.477	0.484
rs12794714	11	<i>CYP2R1</i>	14892029	Synonymous	0.481	0.486
rs2060793	11	<i>CYP2R1</i>	14893764	5' UTR	0.327	0.298
rs7944926*	11	<i>NADSYN1</i>	71454579	Intron	0.450	0.450
rs12800438	11	<i>NADSYN1</i>	71459957	Intron	0.460	0.465
rs3794060*	11	<i>NADSYN1</i>	71476633	Intron	0.448	0.451
rs3829251	11	<i>NADSYN1</i>	71483513	Intron	0.249	0.232
rs530537	11	<i>CASP1</i>	105027786	Intron	0.499	0.438
rs4986938	14	<i>ESR2</i>	64233098	Non Coding	0.205	0.257
rs1950902	14	<i>MTHFD1</i>	64415662	Missense	0.073	0.089
rs2236225	14	<i>MTHFD1</i>	64442127	Missense	0.373	0.455
rs762551	15	<i>CYP1A2</i>	74749576	Intron	0.236	0.242
rs16260	16	<i>CDH1</i>	68737131	Upstream	0.266	0.248
rs2297518	17	<i>NOS2</i>	27769571	Missense	0.137	0.174
rs7220169	17	<i>GAST</i>	41715448	Synonymous	0.219	0.184
rs713041	19	<i>GPX4</i>	1106616	Synonymous	0.386	0.343
rs2241715*	19	<i>TGFB1</i>	41350981	Intron	0.497	0.471
rs1800469	19	<i>B9D2</i>	41354391	Downstream	0.500	0.453
rs13042395	20	<i>SLC52A3</i>	773867	Intron	0.053	0.046
rs6116569	20	<i>SLC23A2</i>	4884071	Intron	0.476	0.494
rs6133175	20	<i>SLC23A2</i>	4911113	Intron	0.353	0.353
rs6053005	20	<i>SLC23A2</i>	4977054	Intron	0.379	0.360
rs17217119	20	<i>CYP24A1</i>	54126051	none	0.454	0.360
rs225439	21	<i>TFF3</i>	42311295	Downstream	0.382	0.471

*Removed from final analysis: Not in HWE, MAF<0.5 and/or in LD

†MAF of the Ad Mixed American population in the 1000 genomes reference

Minor Allele Frequency (MAF)