

**Table S4. Unadjusted associations of single nucleotide polymorphisms (SNPs) with Gastric Cancer Risk**

Chromosome	SNP	Gene	OR (95% CI)	p-value
1	rs1801131	<i>MTHFR</i>	1.03 (0.83, 1.27)	0.824
1	rs1801133	<i>MTHFR</i>	1.18 (1.01, 1.36)	0.037
1	rs1846522	<i>FAF1</i>	0.87 (0.63, 1.21)	0.411
1	rs1137101	<i>LEPR</i>	0.96 (0.82, 1.21)	0.619
1	rs5845	<i>SELENOF</i>	0.96 (0.79, 1.16)	0.648
1	rs1800871	<i>IL10</i>	1.05 (0.90, 1.22)	0.571
1	rs1800896	<i>IL10</i>	1.01 (0.84, 1.20)	0.945
1	rs1051740	<i>EPHX1</i>	0.98 (0.84, 1.15)	0.837
2	rs2302615	<i>ODC1</i>	1.21 (1.14, 1.80)	0.027
<b>2</b>	<b>rs1800440</b>	<b><i>CYP1B1</i></b>	<b>1.40 (1.08, 1.81)</b>	<b>0.011</b>
<b>2</b>	<b>rs1056836</b>	<b><i>CYP1B1</i></b>	<b>1.33 (1.12, 1.29)</b>	<b>0.001</b>
2	rs10197208	<i>GKN3P</i>	0.96 (0.82, 1.12)	0.587
2	rs1143634	<i>IL1B</i>	1.10 (0.86, 1.42)	0.438
2	rs16944	<i>IL1B</i>	0.89 (0.76, 1.03)	0.118
2	rs419598	<i>IL1RN</i>	1.02 (0.87, 1.19)	0.811
2	rs1063728	<i>RPRM</i>	1.00 (0.85, 1.18)	0.998
2	rs61261057	<i>UGT1A10</i>	NA	0.303
2	rs17868323	<i>UGT1A10</i>	1.10 (0.95, 1.28)	0.209
2	rs11692021	<i>UGT1A10</i>	1.18 (0.98, 1.40)	0.08
<b>3</b>	<b>rs35683</b>	<b><i>GHRL</i></b>	<b>1.23 (1.04, 1.45)</b>	<b>0.015</b>
3	rs9841504	<i>ZBTB20</i>	0.89 (0.75, 1.05)	0.173
<b>4</b>	<b>rs4129009</b>	<b><i>TLR10</i></b>	<b>1.36 (1.07, 1.75)</b>	<b>0.014</b>
4	rs4543123	<i>TLR1</i>	1.24 (1.02, 1.49)	0.031
4	rs5743604	<i>TLR1</i>	0.92 (0.79, 1.06)	0.25
4	rs6815814	<i>TLR1</i>	1.05 (0.90, 1.22)	0.546
4	rs4588	<i>GC</i>	0.94 (0.78, 1.13)	0.512
4	rs7041	<i>GC</i>	0.98 (0.84, 1.14)	0.788
4	rs4073	<i>CXCL8</i>	1.06 (0.91, 1.24)	0.445
5	rs13361707	<i>PRKAA1</i>	1.23 (1.02, 1.49)	0.029
5	rs7579	<i>CCDC152</i>	1.02 (0.87, 1.18)	0.846
5	rs3877599	<i>CCDC152</i>	0.87 (0.87, 1.18)	0.233
6	rs3020314	<i>ESR1</i>	0.99 (0.85, 1.15)	0.869
6	rs4880	<i>SOD2</i>	1.16 (1.00, 1.36)	0.054
7	rs2066853	<i>AHR</i>	1.04 (0.84, 1.27)	0.728
7	rs1800795	<i>IL6</i>	1.03 (0.83, 1.28)	0.778
7	rs7799039	<i>LOC105375494</i>	1.07 (0.91, 1.23)	0.424
8	rs15561	<i>NAT1</i>	1.05 (0.90, 1.23)	0.532
8	rs1041983	<i>NAT2</i>	0.93 (0.80, 1.09)	0.37
8	rs1799929	<i>NAT2</i>	1.07 (0.91, 1.27)	0.405
8	rs1799930	<i>NAT2</i>	1.07 (0.88, 1.28)	0.517
8	rs1799931	<i>NAT2</i>	0.81 (0.64, 1.01)	0.066
<b>8</b>	<b>rs2294008</b>	<b><i>PSC4</i></b>	<b>1.24 (1.06, 1.46)</b>	<b>0.009</b>
<b>9</b>	<b>rs1927914</b>	<b><i>TLR4</i></b>	<b>0.75 (0.65, 0.88)</b>	<b>0.0004</b>
9	rs505922	<i>ABO</i>	0.93 (0.78, 1.11)	0.406

10	rs10508902	<i>ARHGAP22</i>	0.97 (0.83, 1.14)	0.711
10	rs2031920	<i>CYP2E1</i>	0.92 (0.75, 1.14)	0.431
11	rs12794714	<i>CYP2R1</i>	1.04 (0.90, 1.21)	0.583
11	rs2060793	<i>CYP2R1</i>	1.00 (0.85, 1.17)	0.971
11	rs12800438	<i>NADSYN1</i>	0.87 (0.75, 1.01)	0.069
11	rs3829251	<i>NADSYN1</i>	1.16 (0.97, 1.38)	0.104
<b>11</b>	<b>rs530537</b>	<b><i>CASP1</i></b>	<b>0.77 (0.66, 0.90)</b>	<b>0.0007</b>
14	rs4986938	<i>ESR2</i>	1.14 (0.96, 1.39)	0.133
14	rs1950902	<i>MTHFD1</i>	1.11 (0.83, 1.50)	0.469
14	rs2236225	<i>MTHFD1</i>	0.93 (0.80, 1.08)	0.349
15	rs762551	<i>CYP1A</i>	0.91 (0.75, 1.08)	0.268
16	rs16260	<i>CDH1</i>	1.18 (0.99, 1.39)	0.053
17	rs2297518	<i>NOS2</i>	0.93 (0.75, 1.15)	0.498
17	rs7220169	<i>GAST</i>	1.05 (0.88, 1.26)	0.584
19	rs713041	<i>GPX4</i>	0.94 (0.81, 1.10)	0.442
19	rs1800469	<i>B9D2</i>	1.09 (0.78, 1.06)	0.249
20	rs13042395	<i>SLC52A3</i>	1.25 (0.89, 1.75)	0.2
20	rs6116569	<i>SLC52A2</i>	1.10 (0.95, 1.28)	0.221
20	rs6133175	<i>SLC52A2</i>	0.98 (0.84, 1.15)	0.829
20	rs6053005	<i>SLC52A2</i>	0.92 (0.78, 1.08)	0.321
20	rs17217119	<i>CYP24A1</i>	1.05 (0.90, 1.23)	0.54
21	rs225439	<i>TFF3</i>	0.91 (0.78, 1.07)	0.255

Bolded SNPs passed False Discovery Rate (FDR) cut off