

S1 Table. Description of 50 candidate SNPs in MMR genes

Gene	Chr.	SNP	Allele	MAF in CHB*
<i>MLH1</i>	3	rs1540354	A>T	0.325
<i>MLH3</i>	14	rs175057	C>T	0.165
<i>MLH3</i>	14	rs175068	A>G	0.160
<i>MLH3</i>	14	rs4026175	A>C	0.408
<i>MLH3</i>	14	rs56329719	A>T	0.170
<i>MLH3</i>	14	rs5809691	A>del	0.170
<i>MSH2</i>	2	rs10188090	A>G	0.369
<i>MSH2</i>	2	rs10191478	T>G	0.180
<i>MSH2</i>	2	rs13019654	G>T	0.291
<i>MSH2</i>	2	rs1981929	A>G	0.146
<i>MSH2</i>	2	rs2042649	T>C	0.456
<i>MSH2</i>	2	rs2303428	T>C	0.262
<i>MSH2</i>	2	rs3771273	T>A	0.359
<i>MSH2</i>	2	rs4608577	T>G	0.160
<i>MSH2</i>	2	rs4952887	C>T	0.194
<i>MSH2</i>	2	rs6544991	A>C	0.384
<i>MSH2</i>	2	rs6544997	A>G	0.422
<i>MSH3</i>	5	rs12513549	G>T	0.369
<i>MSH3</i>	5	rs181747	T>C	0.325
<i>MSH3</i>	5	rs245346	A>G	0.320
<i>MSH3</i>	5	rs26279	A>G	0.335
<i>MSH3</i>	5	rs33008	G>C	0.218
<i>MSH3</i>	5	rs33013	A>G	0.495
<i>MSH3</i>	5	rs4703819	C>G	0.330
<i>MSH3</i>	5	rs6151627	A>G	0.214
<i>MSH6</i>	2	rs138593458	del>AG	0.117
<i>MSH6</i>	2	rs1800934	G>T	0.214
<i>MSH6</i>	2	rs2348244	T>C	0.466
<i>MSH6</i>	2	rs3136245	T>C	0.325
<i>MSH6</i>	2	rs3136289	G>T	0.228
<i>PMS1</i>	2	rs1233255	A>C	0.107
<i>PMS1</i>	2	rs1233258	T>C	0.364
<i>PMS1</i>	2	rs1233284	G>A	0.262
<i>PMS1</i>	2	rs4920657	T>A	0.248
<i>PMS1</i>	2	rs5743030	G>A	0.136
<i>PMS1</i>	2	rs5743035	del>ATAA	0.262
<i>PMS1</i>	2	rs5743100	G>T	0.155
<i>PMS1</i>	2	rs5743112	C>A	0.189
<i>PMS2</i>	7	rs12536167	A>G	0.151
<i>PMS2</i>	7	rs140788589	C>T	0.369
<i>PMS2</i>	7	rs145874235	TG>del	0.170
<i>PMS2</i>	7	rs201018511	G>A	0.233
<i>PMS2</i>	7	rs58032887	G>C	0.316
<i>PMS2</i>	7	rs62456170	G>C	0.466

<i>PMS2</i>	7	rs62456182	T>C	0.418
<i>PMS2</i>	7	rs72363238	A>del	0.437
<i>PMS2</i>	7	rs75973354	A>G	0.340
<i>PMS2</i>	7	rs7776504	C>T	0.452
<i>PMS2</i>	7	rs7797466	G>A	0.155
<i>PMS2</i>	7	rs79192116	T>C	0.320

SNP, single nucleotide polymorphism; MMR, mismatch repair; MAF, minor allele frequency;

CHB, Han Chinese in Beijing, China.