

Supplementary data

Supplementary Table 1: Significant second-order interactions identified by MB-MDR.

SNP1	SNP1 location	SNP2	SNP2 location	betaH	WH	betaL	WL	Wmax	p-value
rs2114511	synonymous - <i>LILRB1</i>	rs9380142	3'UTR - <i>HLA-G</i>	0.9899	9.081	-10.347	7.476	9.081	0.013
rs61739244	synonymous - <i>LILRB1</i>	rs9380142	3'UTR - <i>HLA-G</i>	0.9811	8.864	-0.7897	5.411	8.864	0.021
rs1061684	synonymous - <i>LILRB1</i>	rs9380142	3'UTR - <i>HLA-G</i>	0.9320	7.646	NA	NA	7.646	0.026
rs148624633	missense - <i>LILRB1</i>	rs9380142	3'UTR - <i>HLA-G</i>	0.7986	5.935	-0.9103	6.974	6.974	0.027
rs28405793	synonymous - <i>LILRB1</i>	rs148624633	missense - <i>LILRB1</i>	20.721	6.816	NA	NA	6.816	0.028
rs61738512	missense - <i>LILRB1</i>	rs9380142	3'UTR - <i>HLA-G</i>	0.7432	5.157	-0.9374	7.394	7.394	0.029
rs383369	missense - <i>LILRB2</i>	rs373032	synonymous - <i>LILRB2</i>	0.9112	7.334	NA	NA	7.334	0.030
rs373032	synonymous - <i>LILRB2</i>	rs386056	missense - <i>LILRB2</i>	0.9291	7.762	NA	NA	7.762	0.031
rs2114511	synonymous - <i>LILRB1</i>	rs72492280	5'UTR - <i>HLA-G</i>	10.407	6.795	NA	NA	6.795	0.031
rs366337	synonymous - <i>LILRB2</i>	rs2114511	synonymous - <i>LILRB1</i>	0.9433	5.931	NA	NA	5.931	0.031
rs373032	synonymous - <i>LILRB2</i>	rs2114511	synonymous - <i>LILRB1</i>	11.179	7.521	NA	NA	7.521	0.033
rs9380142	3'UTR - <i>HLA-G</i>	rs1632950	5'UTR - <i>HLA-G</i>	10.081	7.893	-11.585	5.547	7.893	0.034
rs2114511	synonymous - <i>LILRB1</i>	rs12722482	missense - <i>HLA-G</i>	0.9749	6.380	-0.5995	3.056	6.380	0.034
rs2114511	synonymous - <i>LILRB1</i>	rs61739244	synonymous - <i>LILRB1</i>	0.8824	4.515	-0.6454	2.929	4.515	0.034
rs9380142	3'UTR - <i>HLA-G</i>	rs17179101	3'UTR - <i>HLA-G</i>	0.8581	6.834	-0.8586	5.986	6.834	0.035
rs1061684	synonymous - <i>LILRB1</i>	rs2114511	synonymous - <i>LILRB1</i>	11.535	6.019	NA	NA	6.019	0.044
rs386056	missense - <i>LILRB2</i>	rs41557518	frameshift - <i>HLA-G</i>	14.267	6.071	NA	NA	6.071	0.047
rs73938625	5'UTR - <i>LILRB2</i>	rs9380142	3'UTR - <i>HLA-G</i>	0.7843	5.729	-0.6923	4.261	5.729	0.047
rs73055442	missense - <i>LILRB2</i>	rs9380142	3'UTR - <i>HLA-G</i>	0.8324	6.433	-0.6544	3.809	6.433	0.048
rs9380142	3'UTR - <i>HLA-G</i>	rs41557518	frameshift - <i>HLA-G</i>	0.7617	5.404	-0.8583	5.985	5.985	0.048

p -value ≤ 0.05 was considered significant.