

Supplementary Table S1

Gene	MS risk variant (SNP)	Odds ratio (OR)	Reference
<i>IL6ST</i>	rs7731626	1.094	[4]
<i>IL12RB1</i>	rs740691	1.120 ¹	[4]
<i>JAK1</i>	rs72922276	1.164	[4]
<i>TYK2</i>	rs34536443	1.204	[4]
<i>SOCS1</i>	rs12596260	1.091 ²	[4]
<i>STAT3</i>	rs1026916	1.114	[4]
<i>STAT4</i>	rs6738544	1.074	[4]

Gene name, MS-risk variant and odds ratio used to calculate the IL-6, IL-12, and IL-23 STAT-pathway weighted genetic risk score (wGRS) of the individual donors. ¹The reference OR is for the SNP rs4808760 which is in large linkage disequilibrium (LD) with rs740691. ²The reference OR is for the SNP rs36090551 which is in large LD with rs12596260.