

**Supplementary Table 2. Quantitative Traits.** Significant ( $P < 0.05$ ) Association of SNPs with Key MS-Related Traits. Association analyses were performed using Recessive and Dominant Genetic Models. SNPs with non standard refSNP numbers are not currently in the RefSNP database.

Trait	SNP	MAF (%)	location (bp)	Dominant	Recessive
FPG	rs2021966	49.3	21,107		0.019
FPG	rs2022337	5.0	25,602		0.030
FPG	rs858344	36.7	33,662	0.023	
FPG	rs7769058	5.6	63,662	0.016	
FPG	rs6928362	2.4	81,349	0.029	
FPG	rs1931009	4.4	85,336	0.030	
BMI	rs943004	3.7	11,544	0.0090	
BMI	rs997509	1.3	38,645	0.014	
BMI	rs7769058	5.6	63,662	0.039	
lnLeptin	rs1581827	2.4	23,736	0.018	
lnLeptin	rs4371863	0.7	73,065	0.020	
lnLeptin	rs1409183	13.3	14,549	0.030	
HDL-C	rs1830971	29.0	19021		0.027
HDL-C	rs858334	12.8	22,644		0.025
HDL-C	rs1581827	2.4	23,736	0.019	
HDL-C	rs9372999	10.4	23,820	0.011	
HDL-C	rs858337	13.9	23,591		0.00060
HDL-C	rs1800949	29.1	-768		0.036
HDL-C	v33.21	0.6	52,324	0.015	
HDL-C	rs7767111	7.8	78,953		0.0045
HDL-C	rs6905840	7.3	81,533	0.049	
HDL-C	rs1804025	4.9	82,202		0.0048
HDL-C	rs1044548	7.2	82,431		0.0048
HDL-C	rs1044558	7.4	82,482		0.0048
HDL-C	rs876507	1.1	2,330	0.023	
HDL-C	rs943004	3.7	11,544	0.0047	
HDL-C	rs943003	47.9	11,680		0.042
HDL-C	rs1409183	13.3	14,549		0.0010
FSI	rs7755415	1.0	18,653	0.043	
FSI	rs943004	3.7	11,544	0.015	
SS	rs997509	1.3	38,645	0.020	
SS	rs6928362	2.4	81,349	0.015	
SS	rs6929388	1.0	18,653	0.025	
lnTG	rs9372999	10.4	23,820	0.017	
lnTG	v24	18.5	29,772	0.032	
lnTG	rs858342	18.6	31,311	0.036	
lnTG	rs858343	13.5	33,115	0.025	
lnTG	rs943004	3.7	11,544	0.00040	