

Supplementary Table 4. Stratum-level quality control

Stratum	Platform	Samples post cohort QC ^a	SNVs vmiss < 0.05	Samples unrelated, population outliers removed	SNVs pass stratum QC	Samples unrelated cross-strata	SNVs pass post-imputation QC	Cases with EDSS analyzed
Discovery								
s1	IlluminaGSA	14120	484465	13405	482812	13405	7783011	12584
Replication								
s2	IlluminaGSA	6282 (3989)	481764	5709	480405	2211	7743867	152
s3	Illumina550, Illumina660, Illumina670	4371 (3760)	458660	4259	458506	2666	7722279	1657
s4	IlluminaOmniExpress, IlluminaOmniExpressExome, IlluminaOmni2.5	17590 (10859)	599465	16488	598966	15351	7743331	7762
s5	IlluminaMEGA	288	793673	266	782799	266	7830995	234

^a Where a stratum included controls, the case count is indicated in parentheses. The final sample and variant counts are shown in bold.
MAF, minor allele frequency; Rsq, Minimac4 imputation quality statistic; vmiss, variant missingness