

Table S1. Quality control of participant data.

Number at start of QC	906,545 SNPs
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Number dropped during exclusion step:

Non-polymorphic in cases & controls	96,955 SNPs
Overall call rate < 95%	27,779 SNPs
Overall MAF < 5% & total call rate < 99%	30,080 SNPs
SNPs with HWE for controls ($p < 10^{-7}$) & no non-polymorphic in controls	28,093 SNPs

Number at end of QC	723,638 SNPs
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