

**Table S6. Breakdown of analyzed SNPs.**

SNPs in Common to All Sites of Genotyping	307,776
SNPs with HWE < $10^{-6}$	
SNPs with Genotyping Rate < 0.95	
SNPs with minor allele frequency < 0.001	<u>10,360</u>
Remaining SNPs	297,416
Test of missingness by case/control status	
Haplotype-based test for non-random missing genotype data	<u>9,059</u>
Remaining SNPs	288,357
Total Sample	<u>4,079</u>
Total Genotypes	1,176,208,203