

Appendix 2. Supplementary methods.

We carried out HWE in cases and removed SNPs which deviated with a p-values greater than 1×10^{-10} . We also removed SNPs with an average confidence call over all samples more than 2 standard deviations worse than the mean over all SNPs. 10,944 SNPs were removed during these QC steps and 681,552 SNPs remained for analysis.