

Testing Hardy-Weinberg equilibrium in the presence of genotype uncertainty

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Tests of Hardy-Weinberg equilibrium have long been used as a quality control check on genotype data before running association tests. However, until recently, few options have been available to incorporate genotype uncertainty in Hardy-Weinberg association tests. In this poster, we propose a new approach to accounting for uncertainty in testing for HWE, allowing for better control of the type I error and increased statistical power compared to existing approaches.