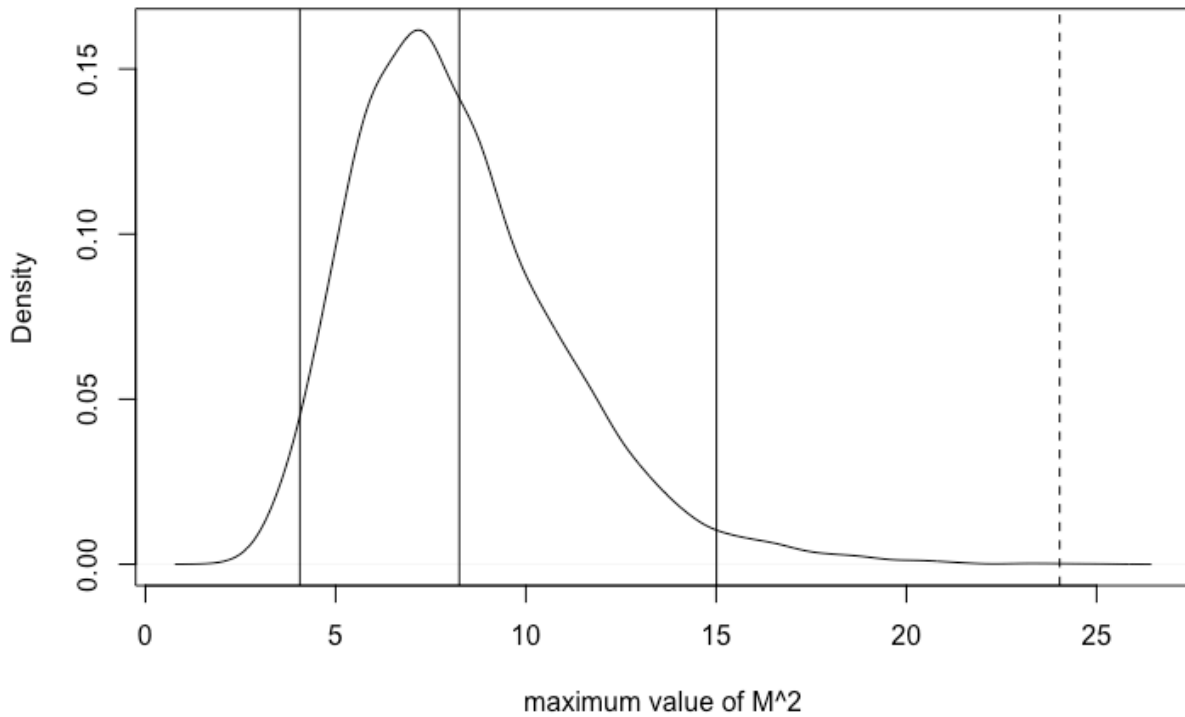


Null distribution of max value of M^2 test variable, 10 000 permutations



The null distribution of the maximum value of the M^2 test variable. The M^2 test variable for each SNP was calculated from a permuted cohort in S4 Table. The distribution of the maximum value of M^2 from 10000 permutations is indicated. Vertical lines indicate the mean value and its upper and lower bound with 95% confidence interval. The dotted line indicates the value of $M^2=24.10$ corresponding to a Bonferroni-adjusted p-value of 0.05. Bandwidth = 0.5