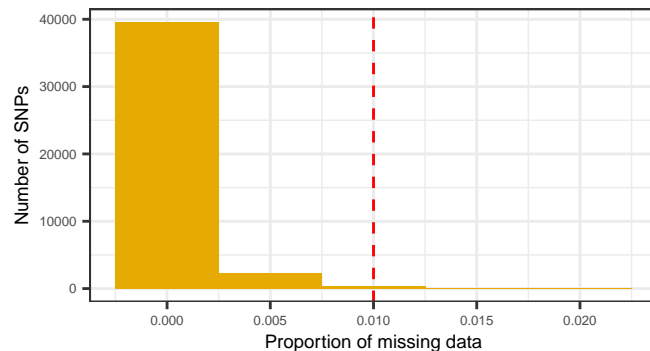


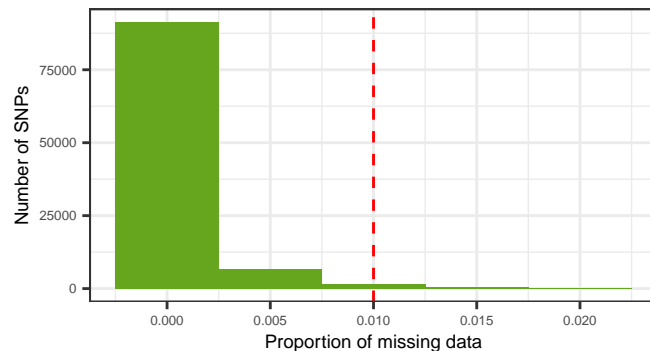
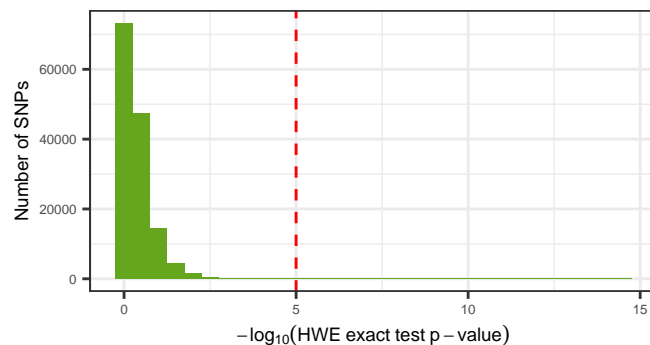
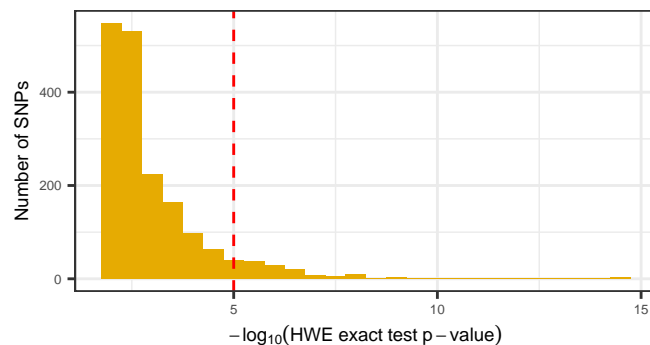
A

Marker missingness rate

SNPs with MAF < 0.05



SNPs with MAF > 0.05

**B**Distribution of $-\log_{10}(\text{p-value}_{\text{HWE}})$ All $\text{p-value}_{\text{HWE}}$  $\text{p-value}_{\text{HWE}} < 0.01$ **C**

Minor allele frequency distribution

