# Additional File 2

**A.**



**B.**
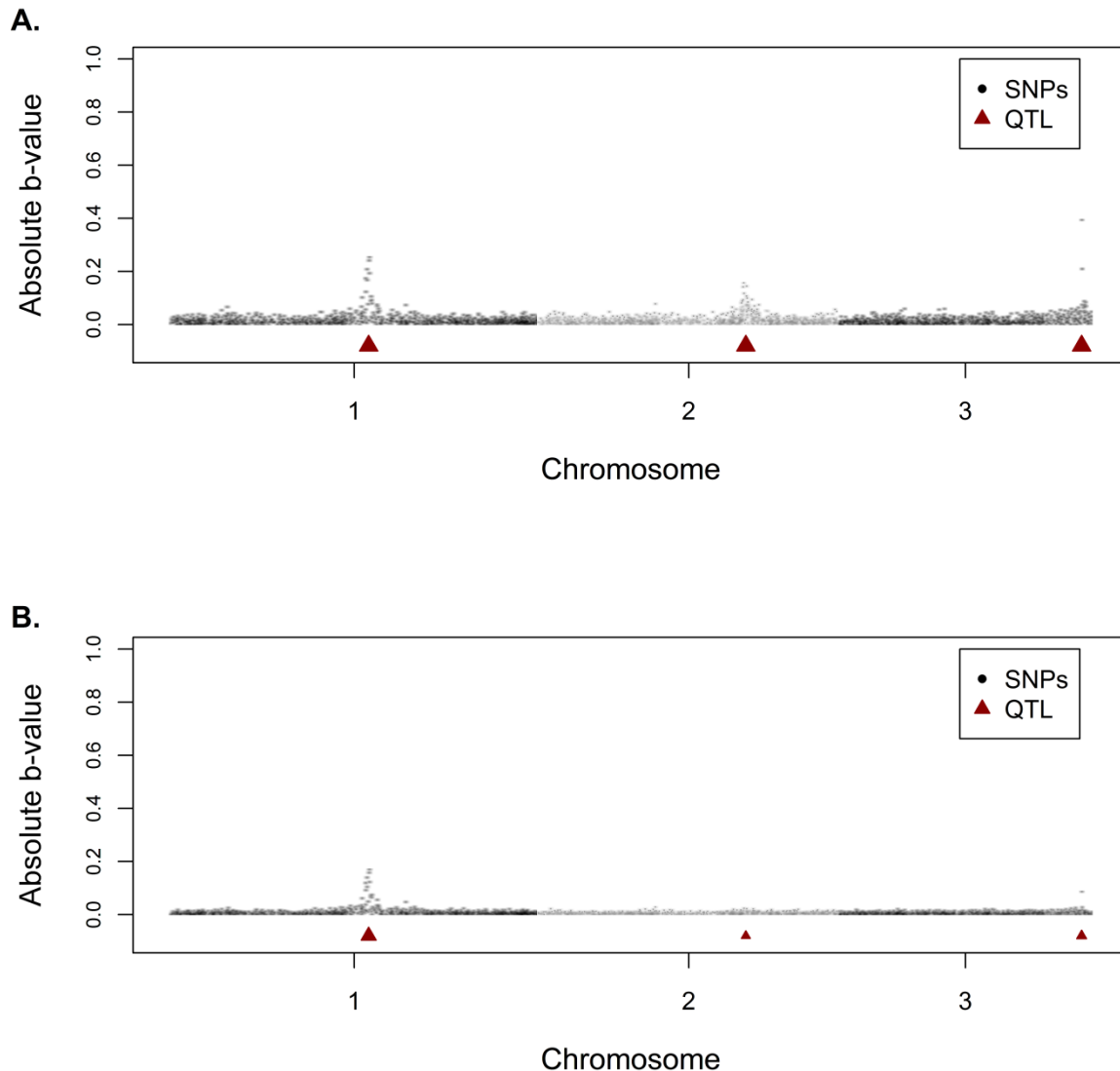


**Figure S4 – Absolute estimated regression coefficients (b-values) for each SNP to predict the QTL genotypes of 3 QTL with a low MAF.**

Absolute regression coefficients for each of the SNPs estimated in a Holstein Friesian reference population ($\mathbf{b}_{RP}$) to predict the QTL genotypes of 3 QTL with a low MAF with (A) equal weight for each of the QTL, or (B) QTL weighted differently, based on their allele substitution effects, in the overall breeding goal. The size of the triangle represents the weight of the QTL in the overall breeding goal of the selection index calculations, i.e. the allele substitution effect in (B).