



S3 Fig. Quantile-Quantile plots for four cold tolerance traits measured at germination and at the reproductive stages. The y-axis is the observed number and magnitude of observed p -value ($-10 \log$) displays associations between SNPs and cold tolerance and the x-axis is the expected p -value ($-10 \log$) under the null hypothesis (there is no association between SNPs and cold tolerance). The λ (lambda) is the genomic inflation factor.