Figure S4  Estimating the false discovery rate (FDR) for SNP marker association with Fusarium ear rot resistance in the Galicia analysis. (A) A density histogram showing 
$p$-value distribution of 47,445 SNPs following GWAS. (B) The $q$-values plotted against their respective $p$-values. (C) The number of SNPs plotted against each of the respective $q$-value estimates. (D) The expected number of false positive SNPs versus the total number of significant SNPs given the $q$-values.