(a)

(b)

(c)

QQplot

Legend:
- TASSEL
- GAPIT
- FARMCPU

Y-axis: Observed $-\log_{10}(p)$
X-axis: Expected $-\log_{10}(p)$

(d)

QQplot

Legend:
- TASSEL
- GAPIT
- FARMCPU

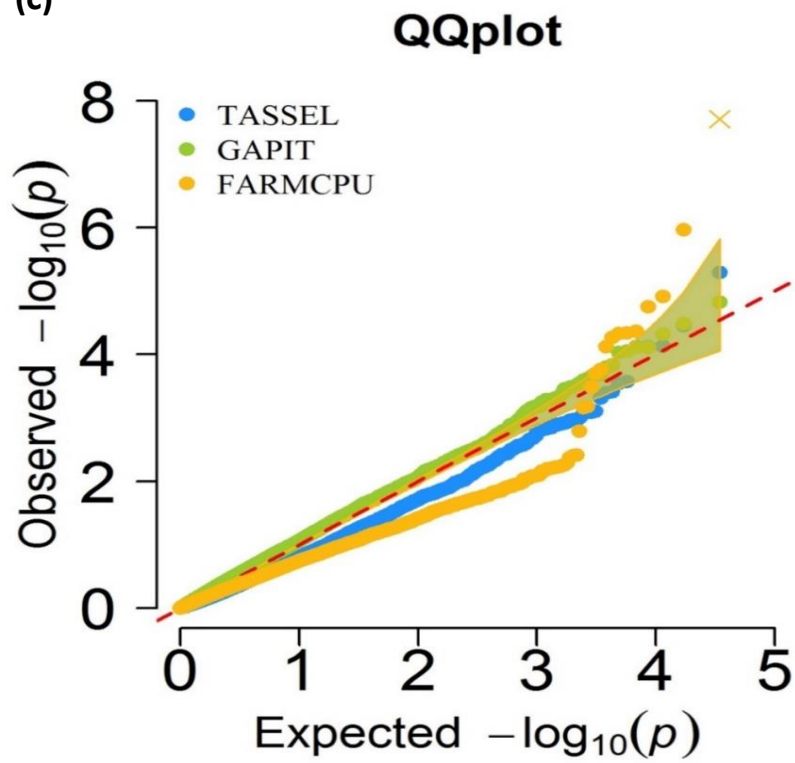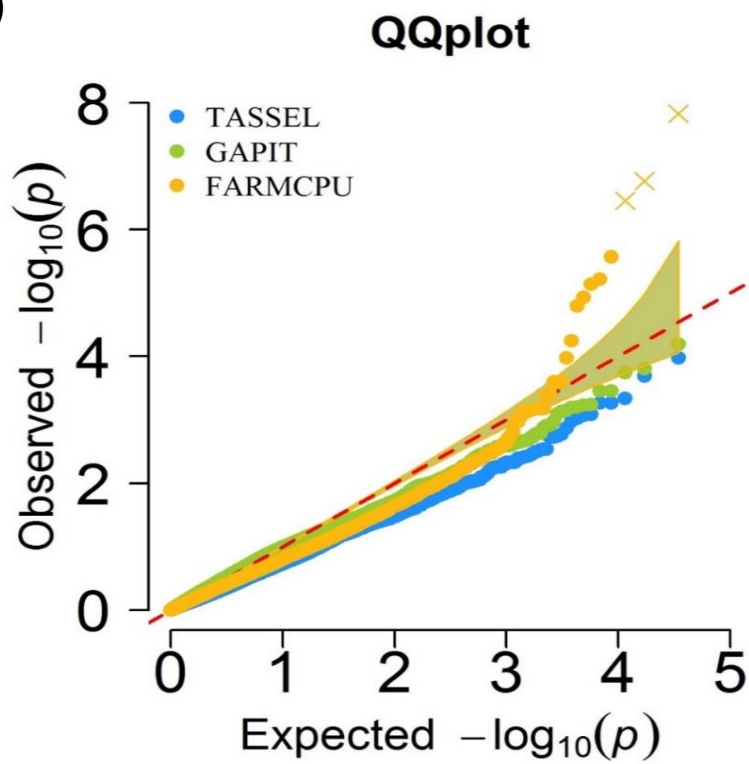Y-axis: Observed $-\log_{10}(p)$
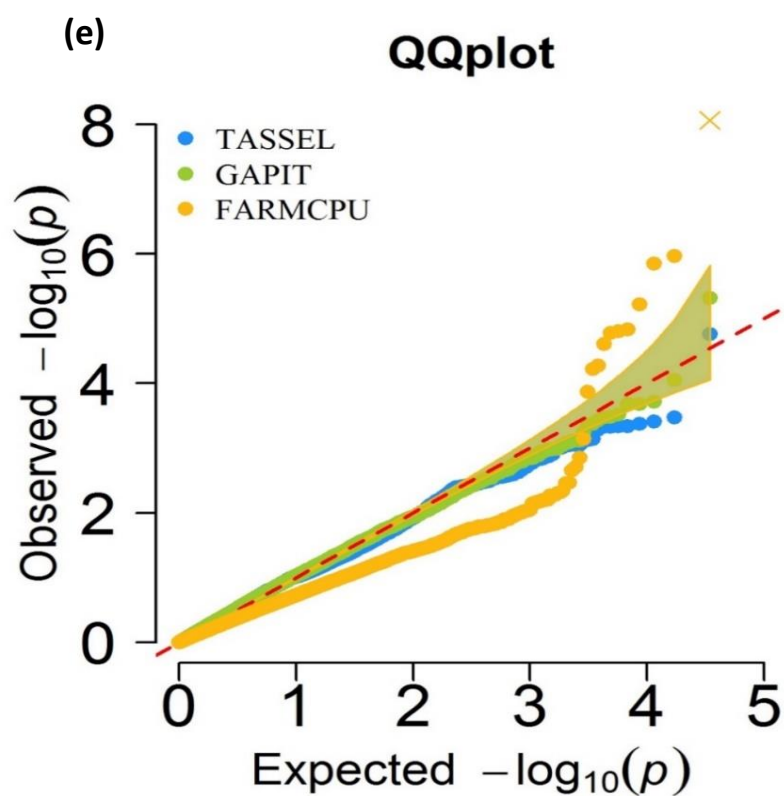X-axis: Expected $-\log_{10}(p)$

(e)

Figure S3: QQ-plots visualize the false positives of three used models based on observed and the expected p values of the GWAS models for (a) relative virus titer, (b) relative total grain weight (c) relative plant height, (d) relative number of ears per plant, (e) relative thousand grain weight.