

Figure S1 The chromosomal location of the *Zmelf4E1* gene family.

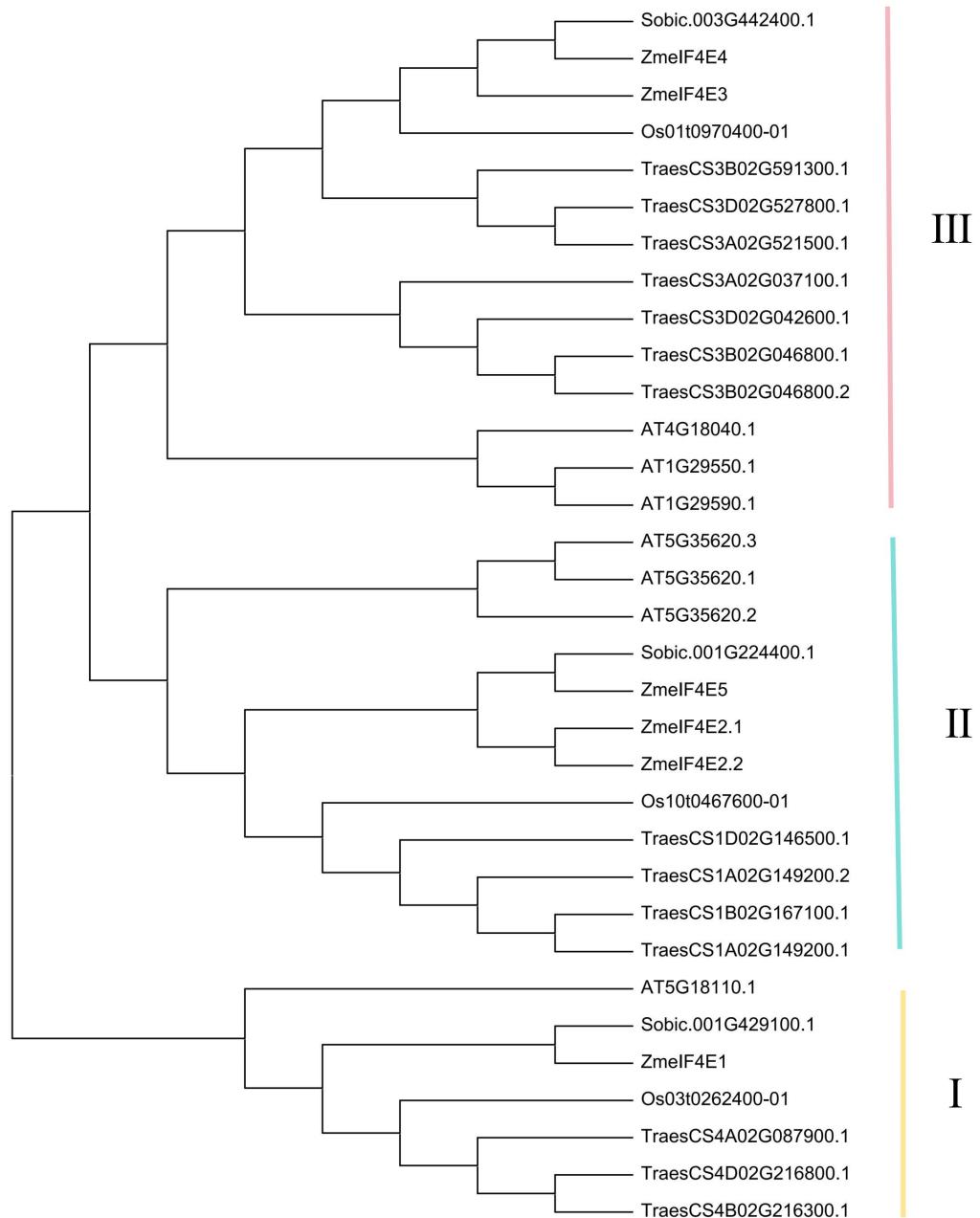


Figure S2 Phylogenetic analysis of the ZmeIF4E1 protein. A neighbor-joining phylogenetic tree was constructed using MEGA 11.0 software with 1000 bootstrap replicates.

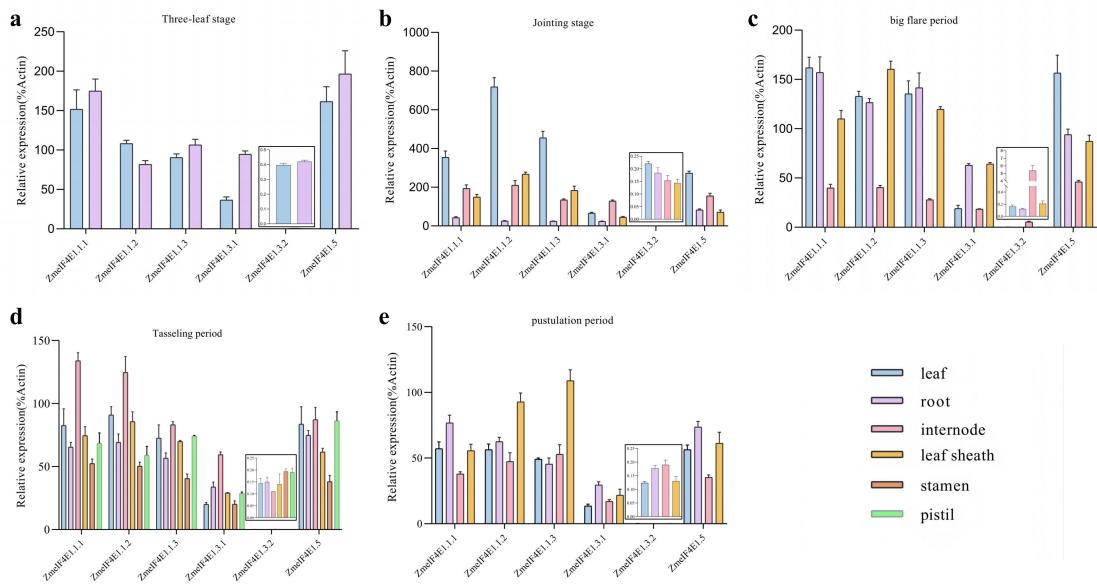


Figure S3 Relative expression levels of the *ZmeIF4E1* gene at different developmental stages of maize. The expression levels of the *ZmeIF4E1* gene in six maize tissue expression types were studied using qRT-PCR with triplicate replicates. Error bars indicate standard error (SE) .

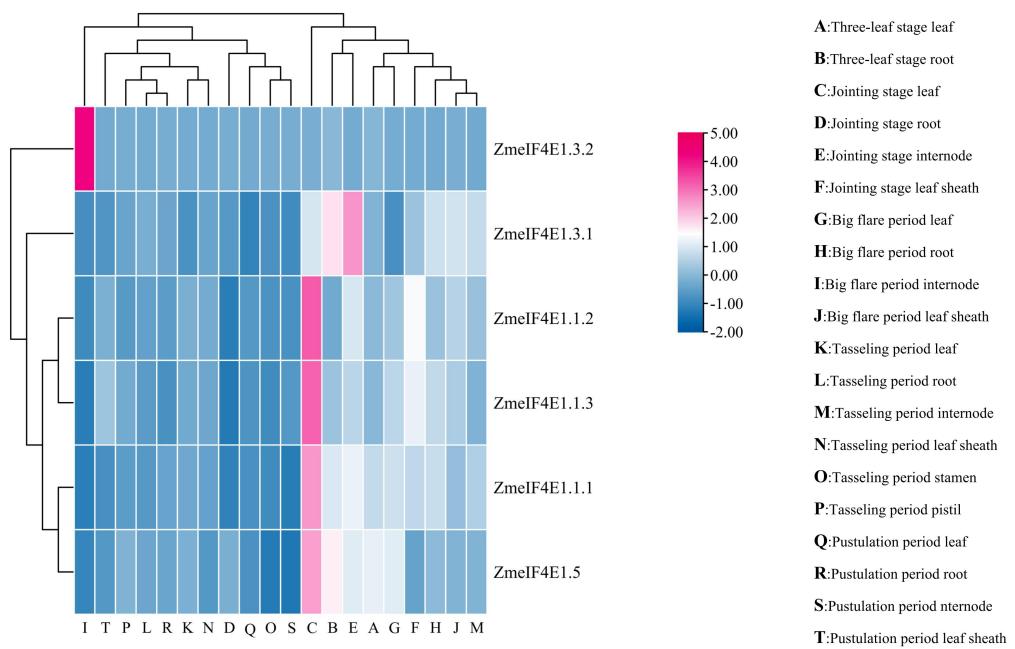


Figure S4 Heatmap summarizing the expression levels of 6 *ZmeIF4E1* genes in different tissues of corn at various developmental stages