

Supplementary figures



Figure S1. Multiple sequence alignment of HMGB proteins of group I in different species.

The HMG-box domain is shown in the black lines. At, *Arabidopsis thaliana*; Os, *Oryza sativa*; Sl, *Solanum lycopersicum*.

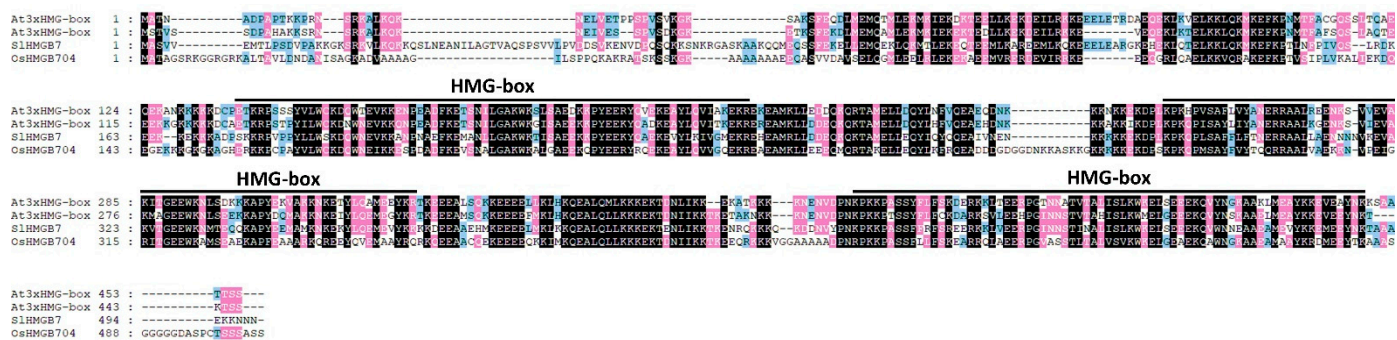


Figure S2. Sequence alignment of HMGB proteins of group II in different species. The HMGB domains are shown in the black lines. At, *Arabidopsis thaliana*; Os, *Oryza sativa*; Sl, *Solanum lycopersicum*.



Figure S3. Sequence alignment of HMGB proteins of group III in different species. The ARID and HMG-box domains are shown in the black lines. At, *Arabidopsis thaliana*; Os, *Oryza sativa*; Sl, *Solanum lycopersicum*.

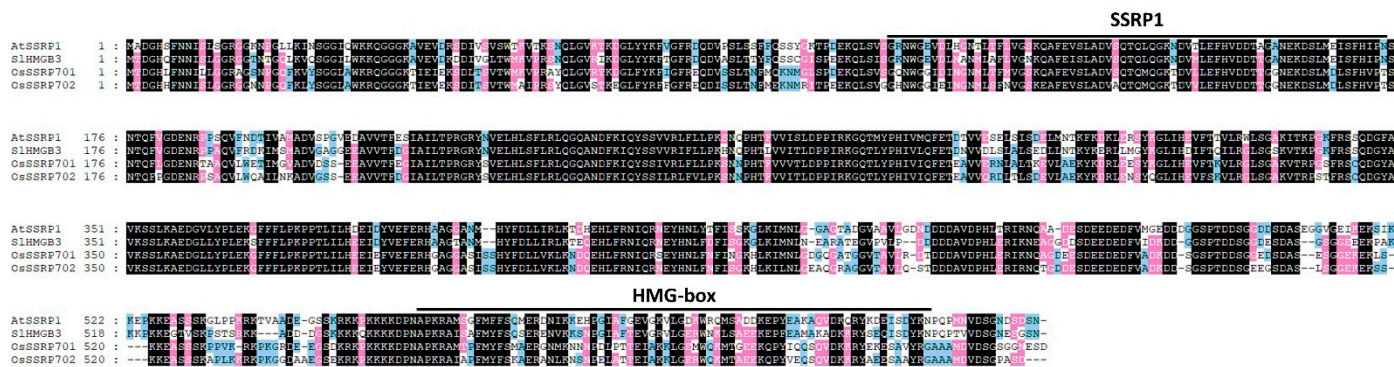


Figure S4. Sequence alignment of HMGB proteins of group IV in different species. The SSRP1 and HMG-box domains are shown in the black lines. At, *Arabidopsis thaliana*; Os, *Oryza sativa*; Sl, *Solanum lycopersicum*.

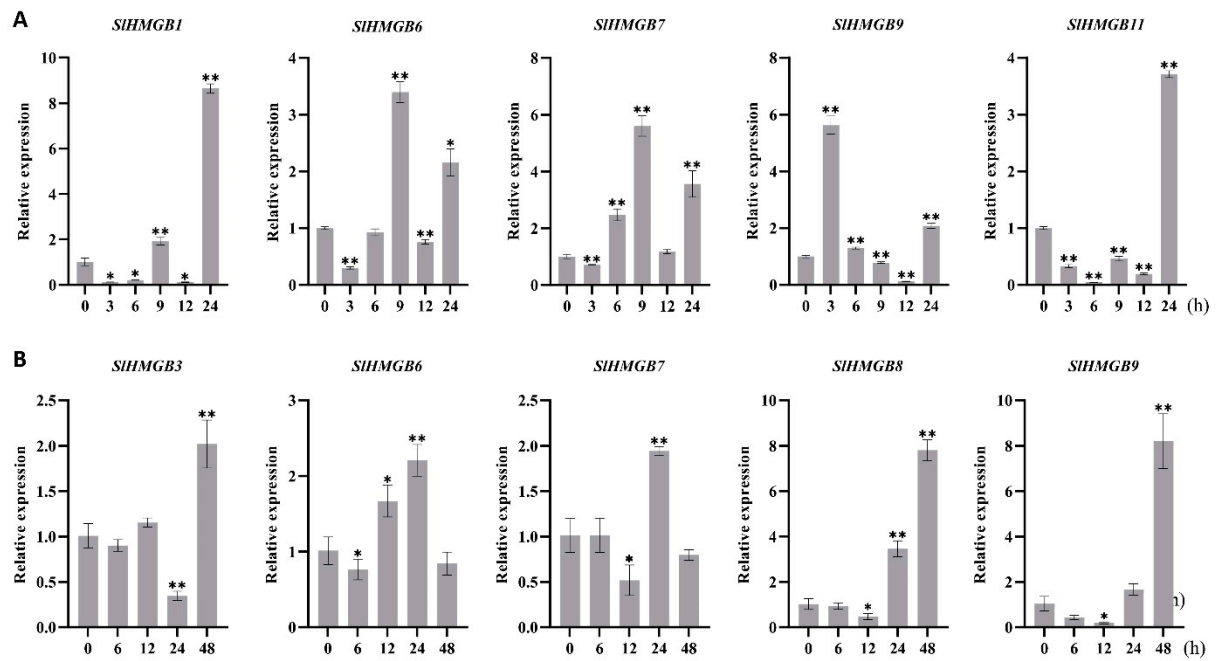


Figure S5. Disordered expression patterns of several *SIHMGB* genes under salt and drought stresses. (A) Relative expression levels of *SIHMGBs* under salt stress. (B) Expressions of *SIHMGBs* under drought stress. Each value is the mean \pm SD of three biological replicates. Asterisks represent significant differences in gene expression between abiotic stress treatments (different time points) and Control (0 h) by Student's *t*-tests (* $P < 0.05$, ** $P < 0.01$).

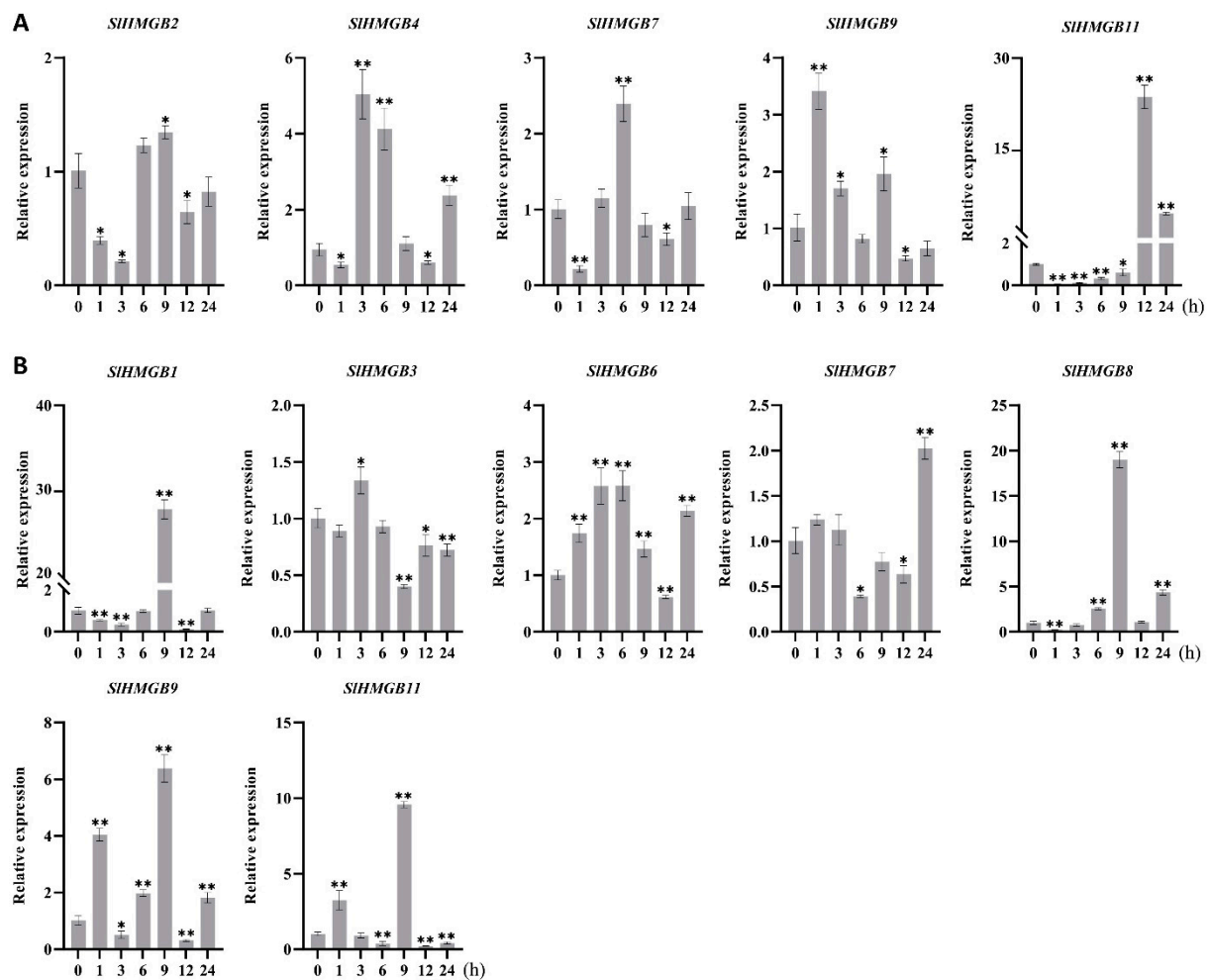


Figure S6. Disordered expression patterns of several *SIHMGB* genes under heat and cold stresses. (A) Expressions of *SIHMGBs* under heat stress. (B) Expressions of *SIHMGBs* under cold stress. Values are the means \pm SD of three biological replicates. Asterisks represent significant differences between abiotic stress treatments (different time points) and Control (0 h) by Student's *t*-tests (* $P < 0.05$, ** $P < 0.01$).

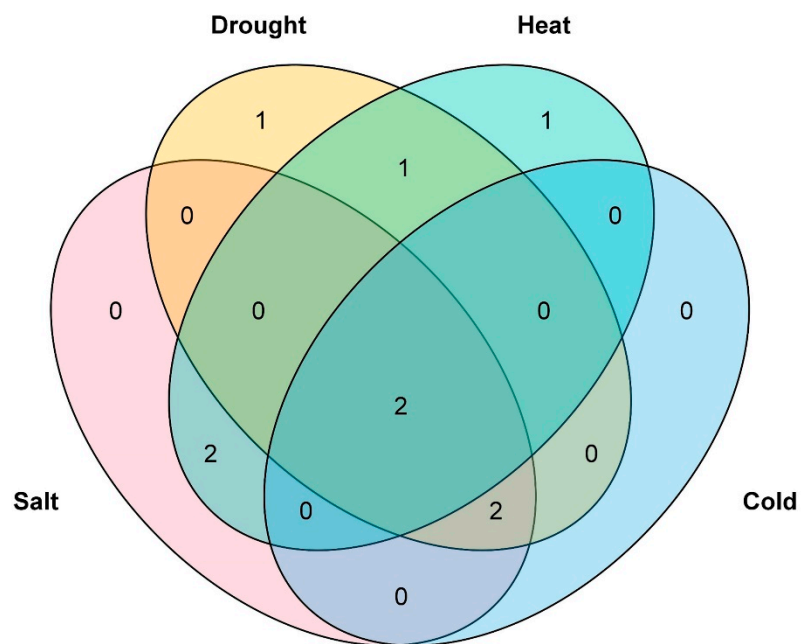


Figure S7. Venn diagram of *SIHMGB* genes involved in salt, drought, heat, and cold stresses.