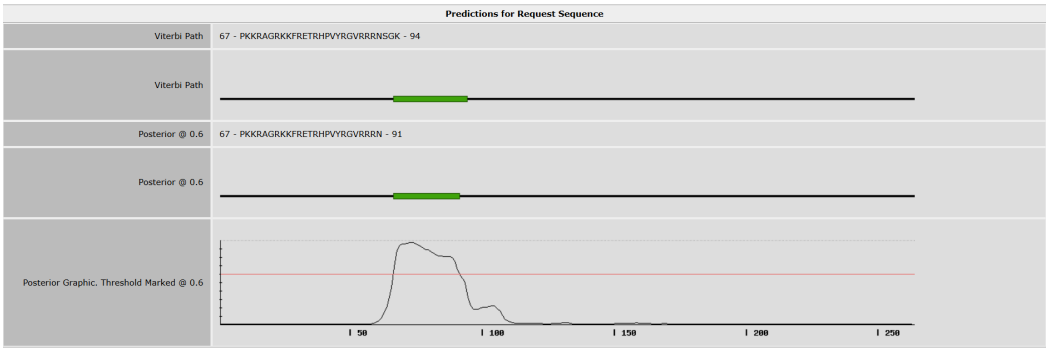


Figure S1. Prediction of nuclear localization signal (NLS) in IbDREB1d.

Notes:The amino acid sequence of IbDREB1d was analyzed using NLStradamus. A strong putative NLS motif was identified between amino acids 67 and 94 (highlighted in green), with a posterior probability significantly exceeding the threshold (0.6).

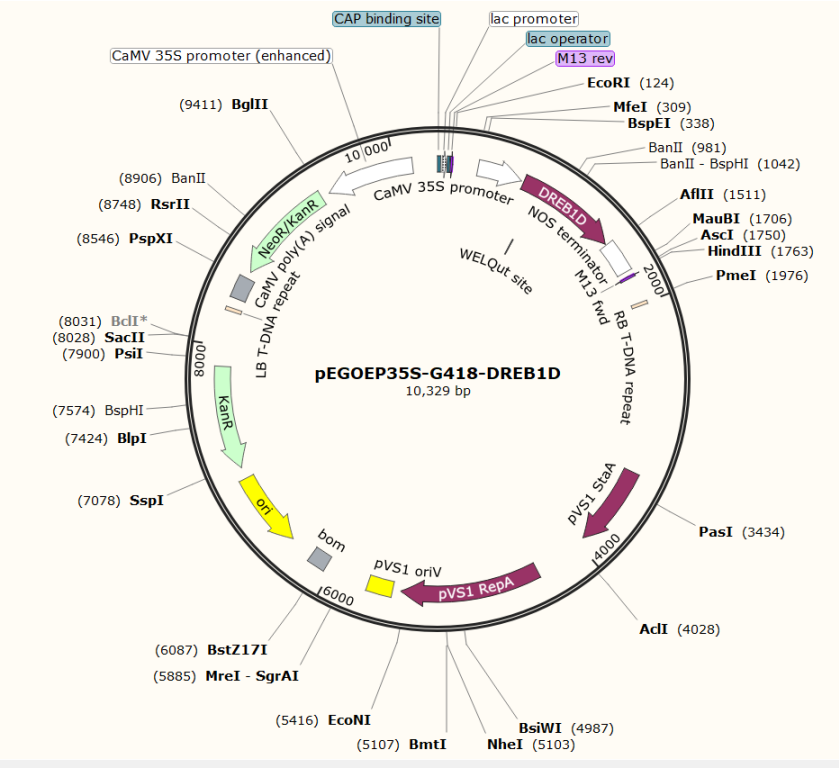


Figure S2. Plasmid map of the plant expression vector pEGOEP35S-G418-DREB1d. The circular map indicates the 10,329 bp sequence featuring the CaMV 35S promoter, the DREB1d gene, T-DNA borders, and antibiotic resistance markers.

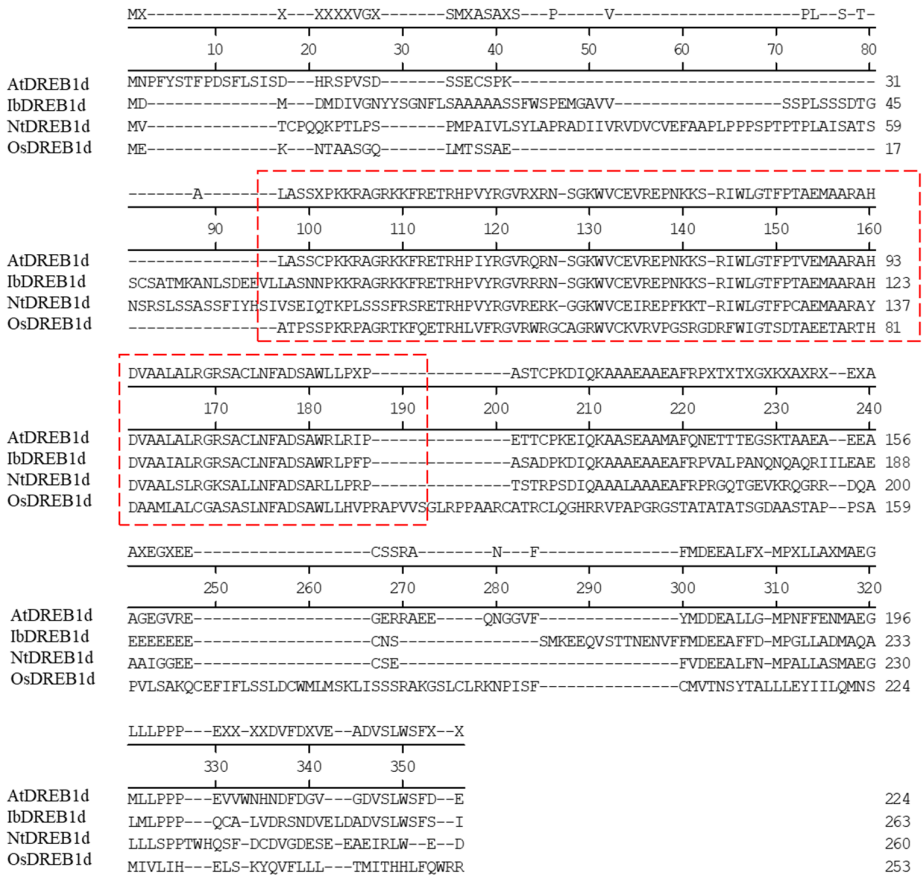


Figure S3. Multiple sequence alignment of IbDREB1d with homologous DREB1 proteins from other species.

The amino acid sequences of IbDREB1d and its homologs from *Arabidopsis thaliana* (AtDREB1d), *Nymphaea thermarum* (NtDREB1d), and *Oryza sativa* (OsDREB1d) were aligned using DNASTAR. The conserved AP2/ERF DNA-binding domain is indicated by red dashed boxes.