

Figure S1. Functional analysis of 44 *ZmHSP20s* based on Gene Ontology.

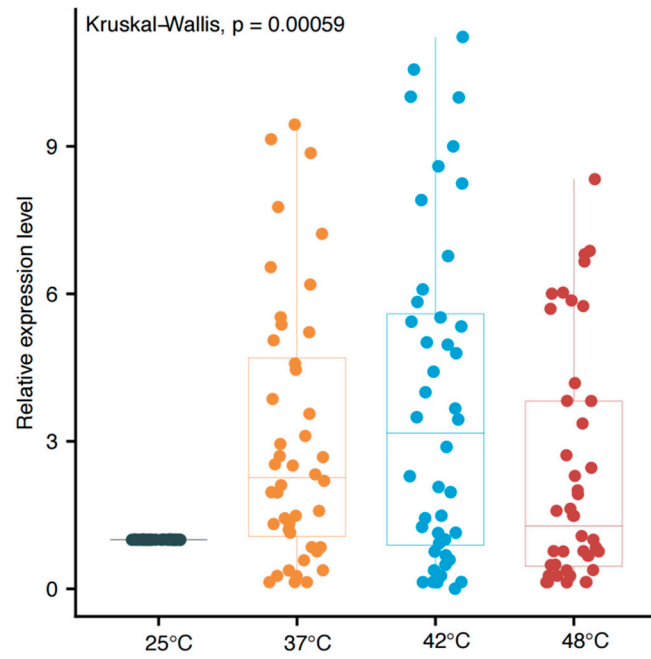


Figure S2. Boxplots showing the expression levels of *ZmHSP20s* under heat stress. Expression levels of *ZmHSP20s* increased under 37 °C, 42 °C, and 48 °C conditions, comparing with 25 °C.

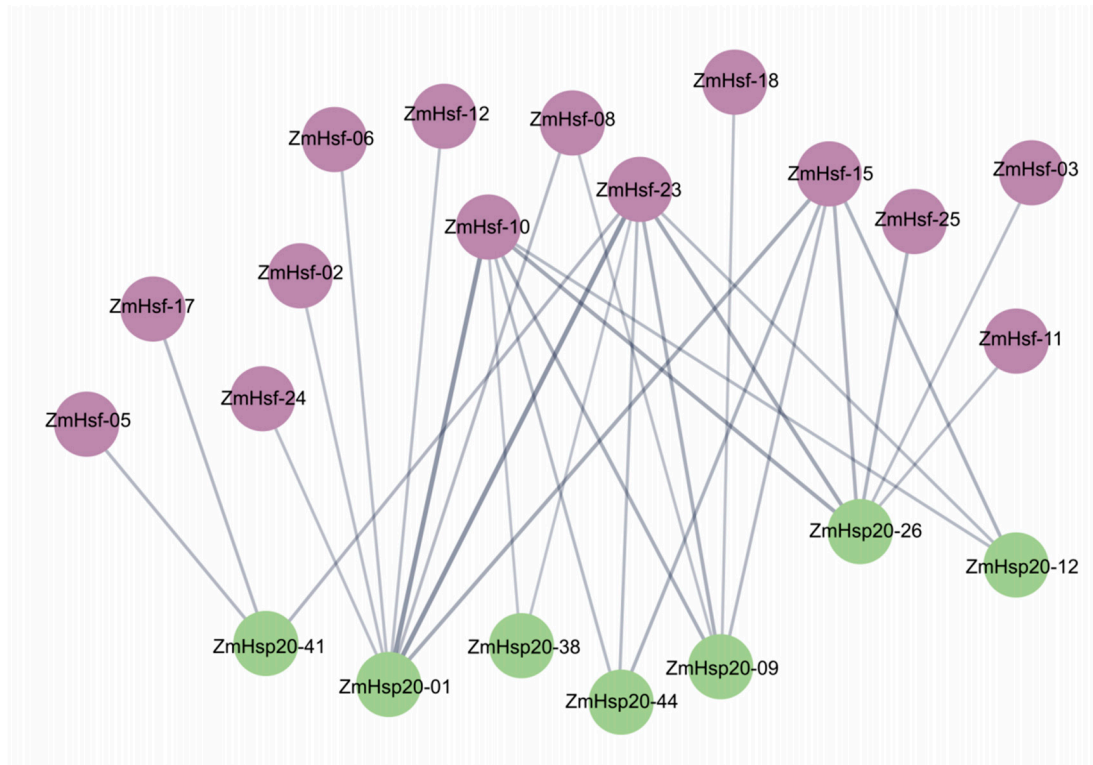


Figure S3. Predicted Interaction between ZmHSP20s and ZmHSFs protein using STRING database.

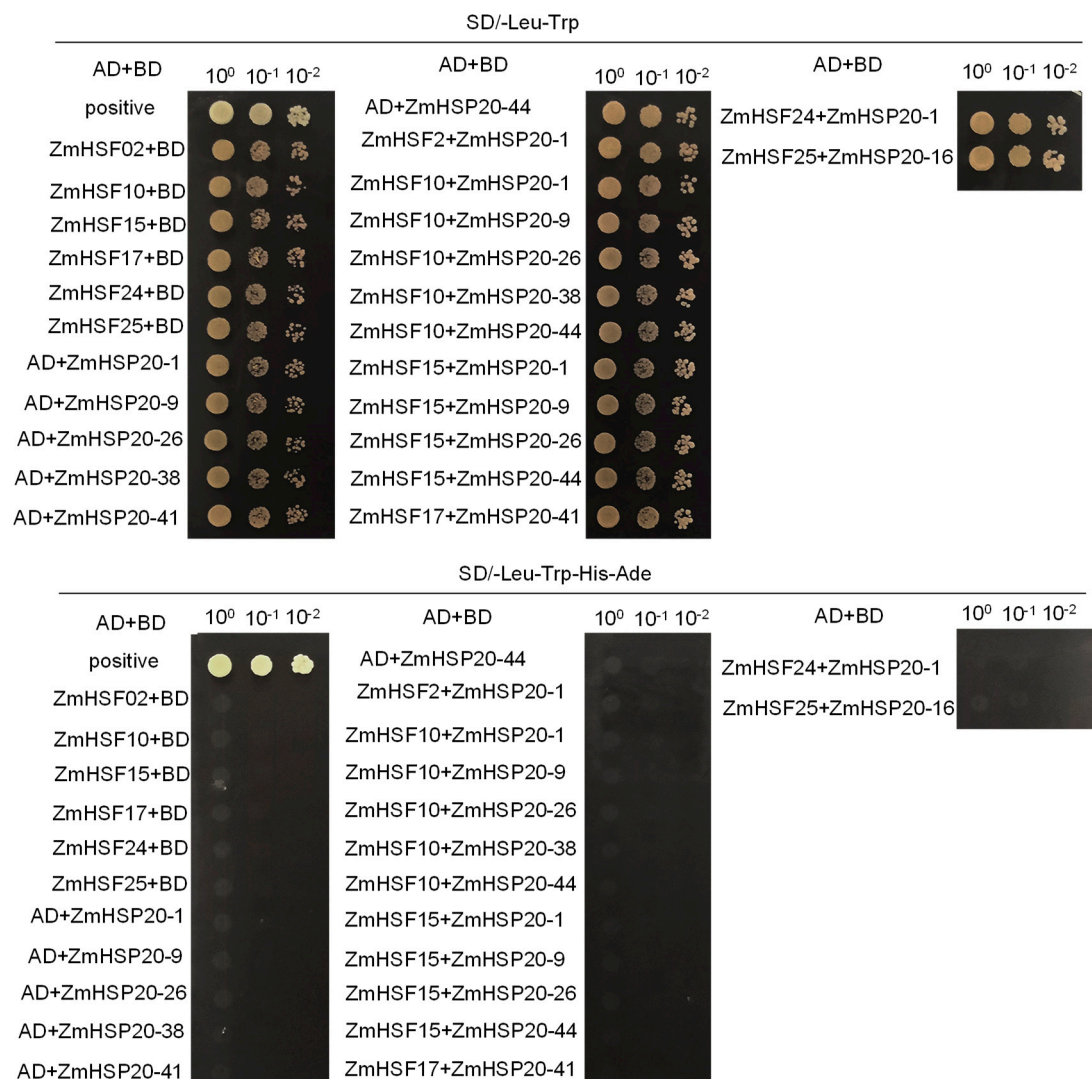


Figure S4. The interaction between ZmHSFs and ZmHSP20s based on yeast-two-hybrid experiments. SD, synthetic dropout medium; Leu, leucine; Trp, tryptophan; His, histidine; Ade, adenine.