

## Supporting Information

Article title: **Evolutionary divergence of duplicated *Hsf* genes in *Populus***

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The following Supporting Information is available for this article:

**Figure S1** 3D structures comparison of paralogous pairs from PtHsf family.

**Figure S2** Two paralogous pairs protein sequence alignment analysis.

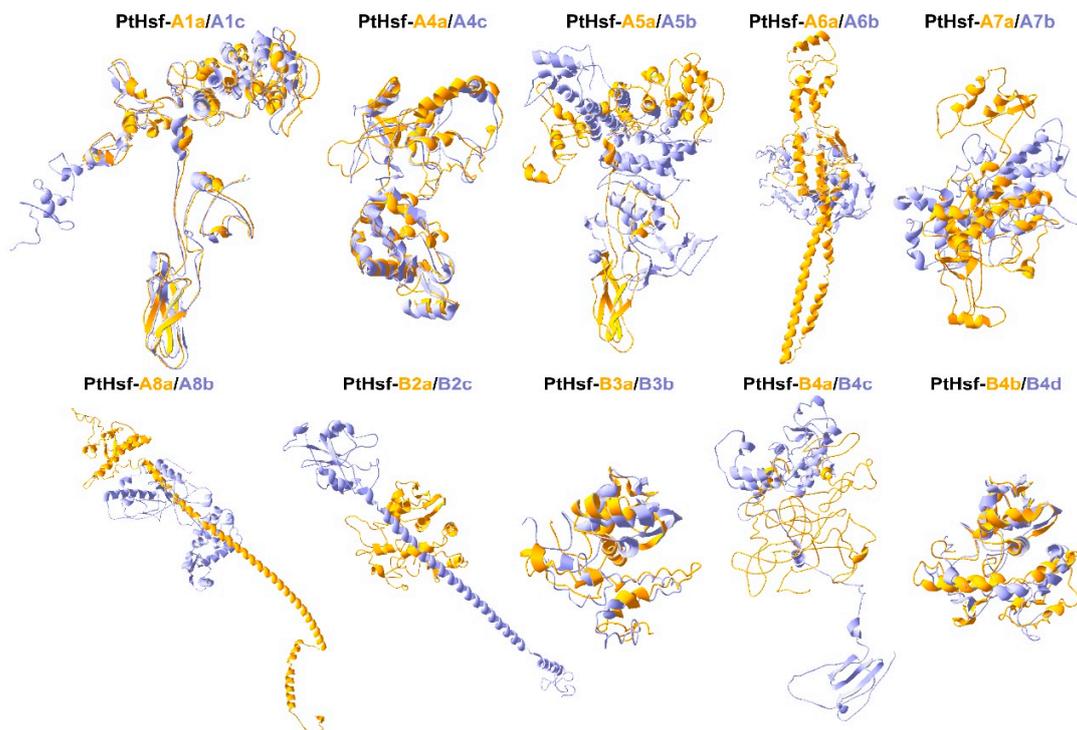
**Table S1** Enrichment analysis of *PtHsfs* co-expressed genes. (included as a separate excel file)

**Table S2** List of transcription factor genes co-expressed with *PtHsfs*. (included as a separate excel file)

**Table S3** SNP information of *PtHsf* gene family. (included as a separate excel file)

**Table S4** protein sequence similarity in Figure 6B. (included as a separate excel file)

**Figure S1** 3D structures comparison of paralogous pairs from PtHsf family



**Figure S2 Two paralogous pairs protein sequence alignment analysis**

(A) PtHsf-B2a and PtHsf-B2c protein sequence alignment. Blue arrows represent mutation to Pro or Gly mutation.

(B) PtHsf-B8a and PtHsf-B8b protein sequence alignment. Blue arrows represent mutation to Pro or Gly mutation.

