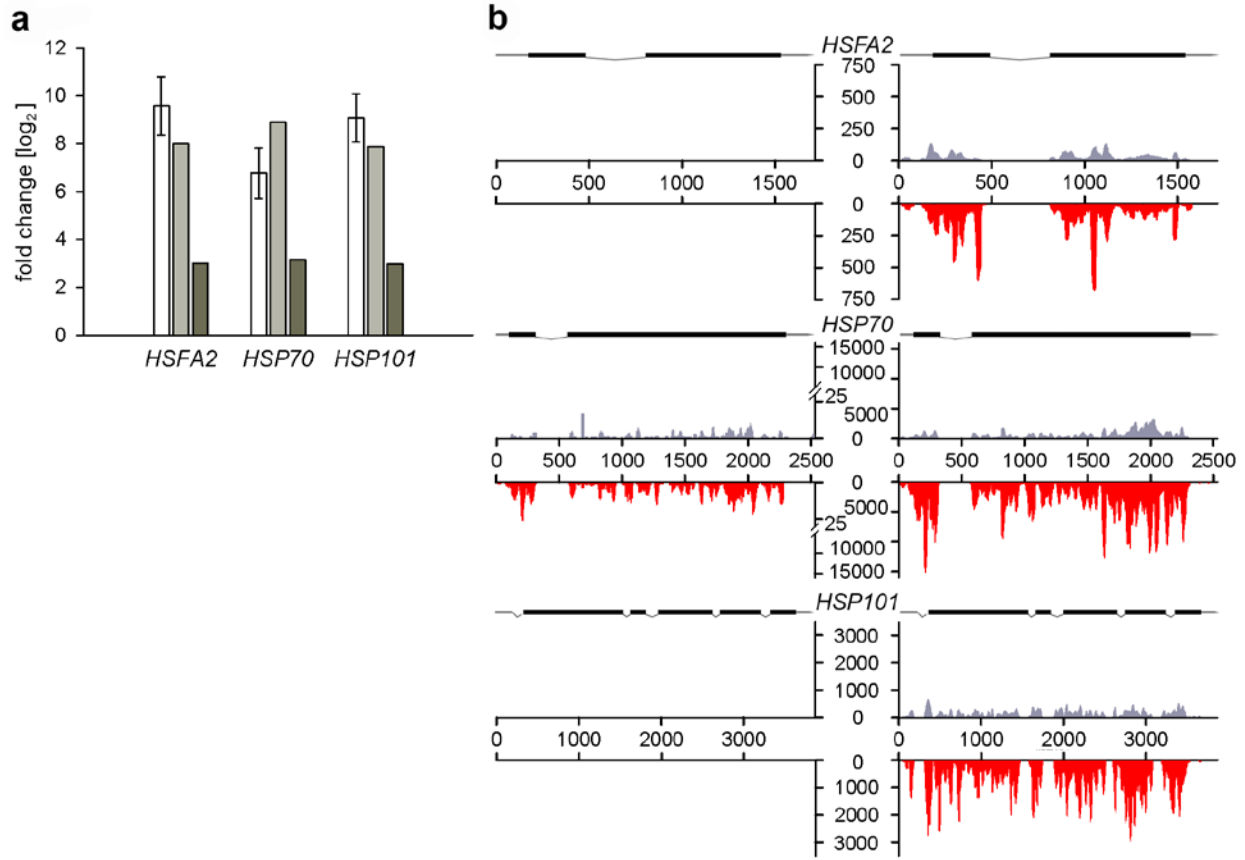




Additional File 4. The mRNA levels of marker stress-related genes are upregulated under thermal stress. **(a)** Quantification of mRNA expression of marker genes upregulated by heat by means of qRT-PCR (white bars; mean $\pm$ SEM, $n = 3$). For comparison the mRNA expression in our RNA-Seq data set (gray bars) and microarray data (dark gray bars; [7]) is given. In all three representations, the mRNA expression values are presented as a fold change ($\log_2$) compared to the control plants. In qRT-PCR data the mRNA expression values were normalized to the expression of housekeeping gene UBQ10. **(b)** mRNA (gray) and RPF (red) coverage profiles of the stress marker genes under control and thermal stress conditions. The schematic of each gene is included; exons are designated in black.