S3 Fig. Differentially expressed upstream regulatory genes involved in cellular stress response. Transcript isoforms of genes are distinguished by capital letters, immediately after the name of genes. Fe and Zn represent iron and zinc treatments and, 6 and 24 represent samples of 6 h and 24 h after either of the treatments. UT stands for untreated sample. Comparisons of 24Fe/Untreated sample and 24Zn/Untreated sample are shown as 24Fe and 24Zn, respectively. Zinc treatment was compared with iron treatment which is shown as 6Zn/6Fe or 24Zn/24Fe. Gene names and accession numbers are indicated in the S1 Text. ROS and ABA stand for reactive oxygen species and abscisic acid, respectively.
Activity & expression

HsfA

Hsp90 (6Zn/6Fe)

Hsp70 co-chaperone (24Fe,24Fe/24Zn)

Hsp70 (6Fe/6Zn)

HspB1

HsfA2c (24Zn)

Activity & expression

HsfA1 (24Zn)

Activity

Metabolic pathways