

Electronic Supplementary Information

Copper-induced cell death and the protective role of glutathione: implication of impaired protein folding rather than oxidative stress

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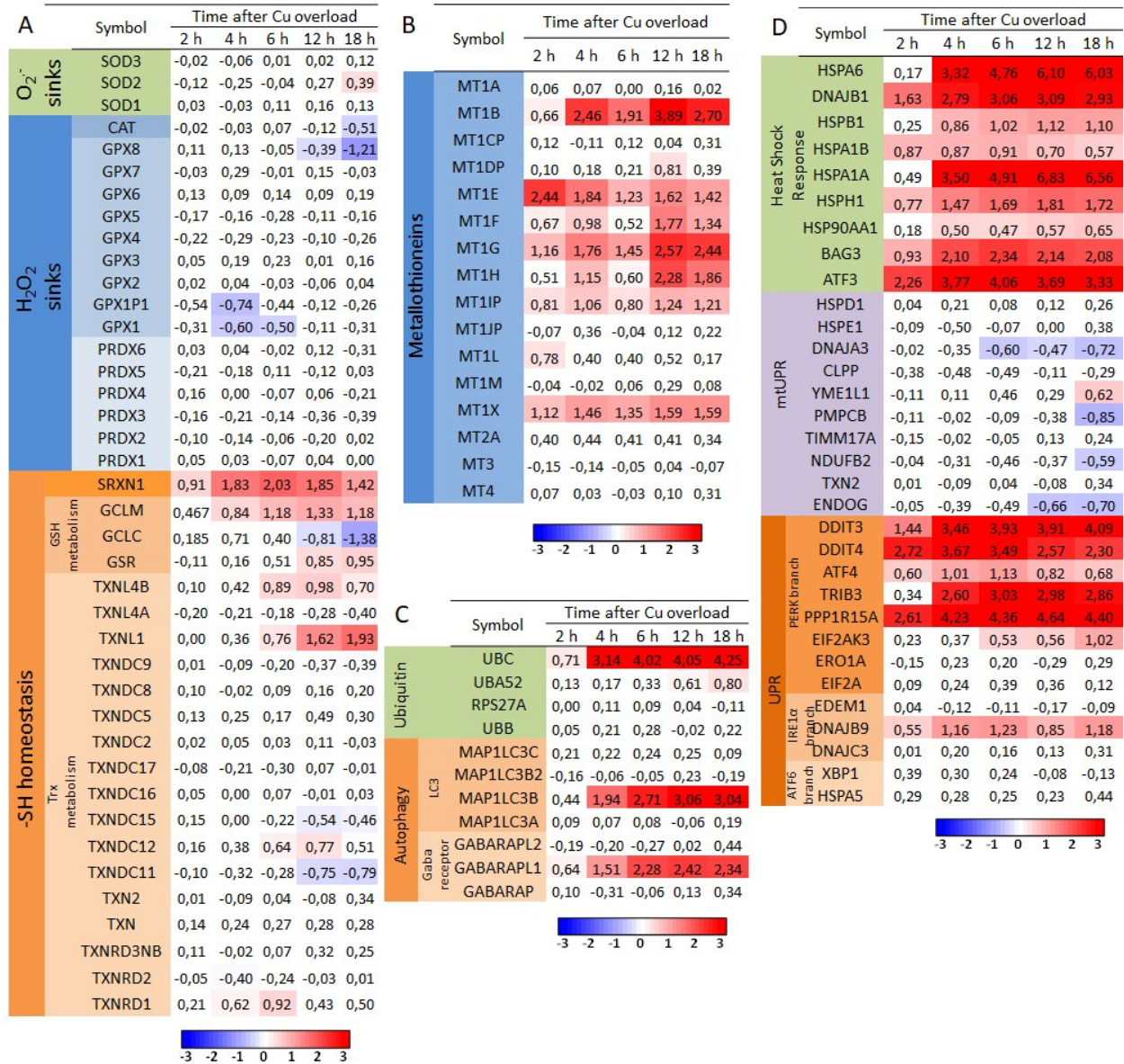


Fig. S1 Transcriptional profile remodeling in HCT116 cells after Cu²⁺ exposure. The cells were exposed to 1400 μM Cu²⁺ which killed nearly 50% of the cells at 24 h. Values in tables correspond to the log₂ fold change. Non-significantly changed values are shown in white. n = 2. **a** Effect of Cu accumulation on the transcription of antioxidant enzymes. **b** Effect of Cu accumulation on the transcription of metallothioneins. **c** Effect of Cu accumulation on the transcriptional profile of autophagy and proteasomal degradation related genes. **d** Effect of Cu accumulation on the transcriptional profile of HSR, mtUPR and UPR related genes.