



Jurkat1 Zno 24h 1
Jurkat1 Tio\_6h 10
Jurkat1 Tio\_6h 10
Jurkat1 Tio\_6h 10
Jurkat1 Tio\_24h 1
Jurkat1 Zno\_6h 10
Jurkat1 Zno\_6h 10
Jurkat1 Zno\_6h 10
Jurkat2 Zno\_6h 10
Jurkat2 Zno\_6h 10
Jurkat2 Zno\_24h 10
Jurkat2 Tio\_24h 10
Jurkat2 Tio\_24h 10
Jurkat2 Tio\_24h 10
Jurkat2 Tio\_24h 10
Jurkat2 Tio\_6h 1
Jurkat2 Zno\_6h 1
Jurkat2 Tio\_6h 10
Jurkat3 Tio\_24h 10

Jurkat2\_6h

Figure S13. Hierarchical clustering of the expression of the zinc responsive genes reported by Cousins *et al.* [28] among A) HMDM samples and B) Jurkat samples in Illumina Sentrix HumanHT-12 Expression BeadChip data after exposing the cells with 1  $\mu$ g/ml or 10  $\mu$ g/ml of ZnO-1 or TiO<sub>2</sub> for 6 or 24 h in three replicate experiments (see **Figure S4** and **Table S3**). The subclusters separating different treatments are highlighted. The gene expression data for the differentially expressed genes is shown in **Table S9**.