



Figure S12. Hierarchical clustering of the samples analyzed with Affymetrix GeneChip Human Genome U219 array plates. The data is from three replicate experiments of Jurkat cells exposed with 10 $\mu\text{g/ml}$ of ZnO-2, ZnO-3, ZnO-5 or ZnO-9 for 24 h; or 10 $\mu\text{g/ml}$, 25 $\mu\text{g/ml}$, 50 $\mu\text{g/ml}$ or 100 $\mu\text{g/ml}$ of ZnO-4 for 24 h; HMDM, MDDC or Jurkat cells exposed with 10 $\mu\text{g/ml}$ of ZnO-1 for 6 h and 24 h, and 4 replicates experiments of MDDC exposed with 10 $\mu\text{g/ml}$ of ZnO-1 for 24 h (see **Figure S4, Figure S9** and **Table S3**). The clustering was done by using correlation distance with complete linkage.