

Figure S1. Western blot analysis of the expression levels of the transcription factors STAT1, NFκB p50, C/EBP β and NFκB p65. β actin was used as loading control. 20 μg total protein was loaded for each sample.

Method 1: Down-regulated

Gene-gene interactions

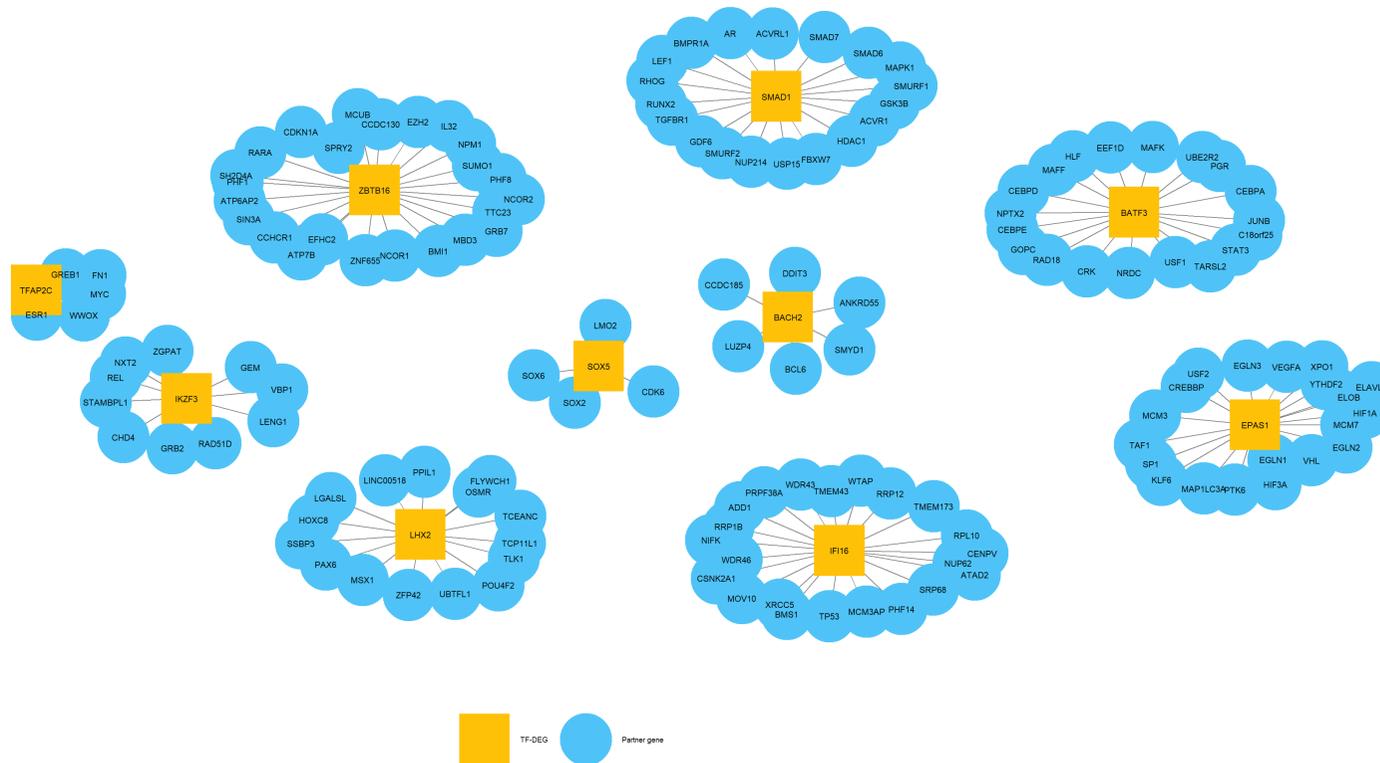


Figure S3. Method 1: genes that interact with TF-DEGs. TF-DEGs are square-shaped while gene partners are represented by circles. Yellow labels are referred to TF-DEGs while light blue is assigned to their partners. We note that there are no interconnected nets.

Method 2: Down-regulated

Control of gene expression

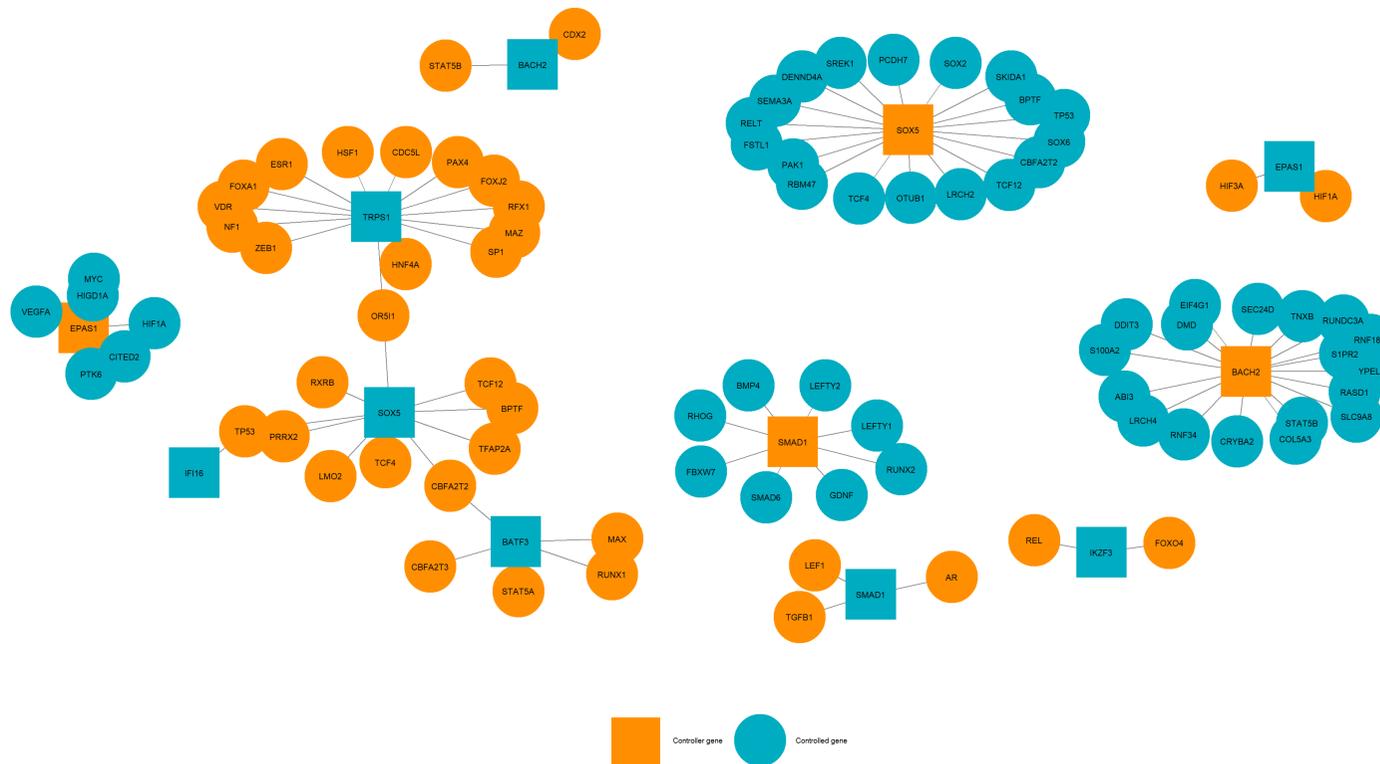


Figure S4. Method 2: genes associated to TF-DEGs by a relationship of the kind "control of gene expression" The plot shows all the genes associated to TF-DEGs by a relationship of the kind "control of gene expression". TF-DEGs are square-shaped while gene partners are represented by circles. Orange labels are referred to genes that act as controllers while cyan is assigned to those genes that are controlled by others. We note that the nets originating from TRPS1, SOX5, IFI16 and BATF3 are interconnected through some common genes.

Method 2: Down-regulated

Gene-gene interactions

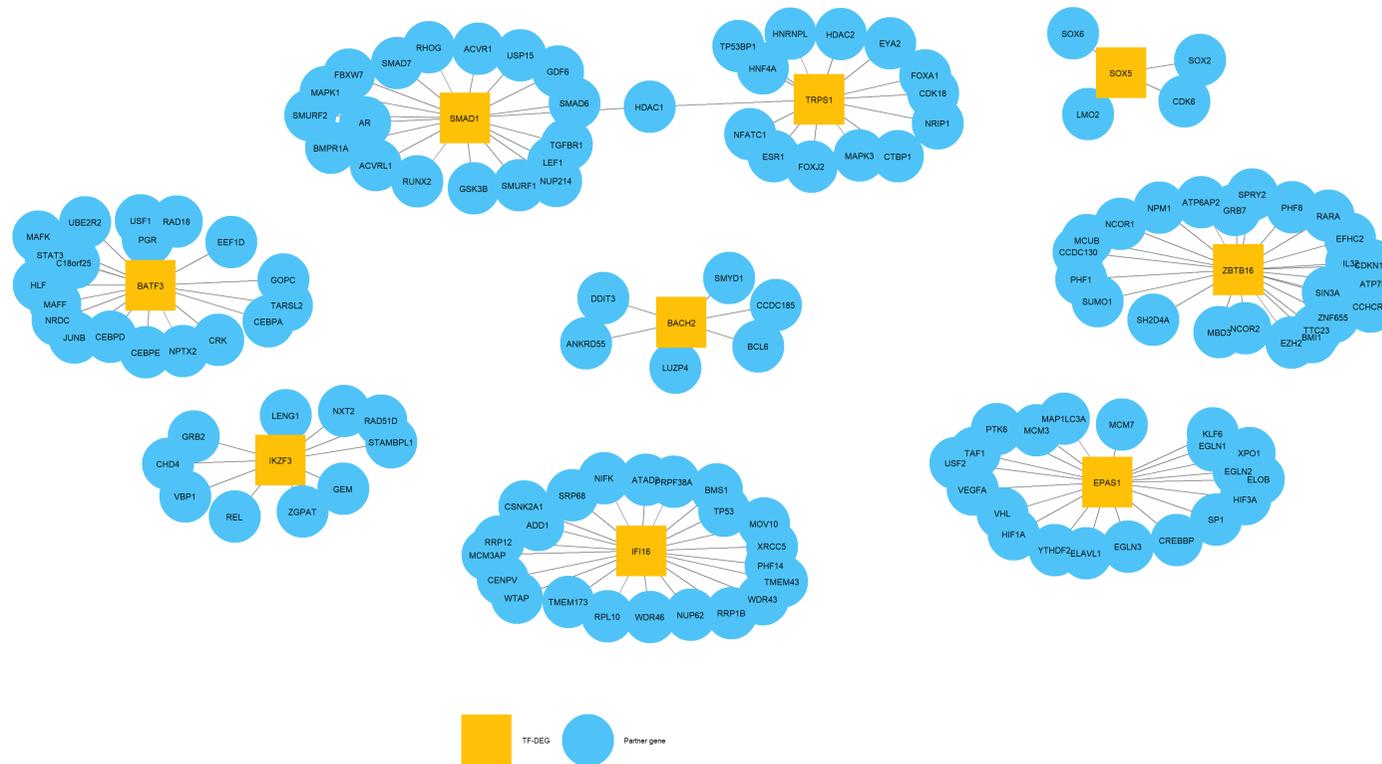


Figure S5. Method 2: genes that interact with TF-DEGs. TF-DEGs are square-shaped while gene partners are represented by circles. Yellow labels are referred to TF-DEGs while light blue is assigned to their partners. We note that the nets originating from SMAD1 and TRPS1 are interconnected through gene HDAC1.