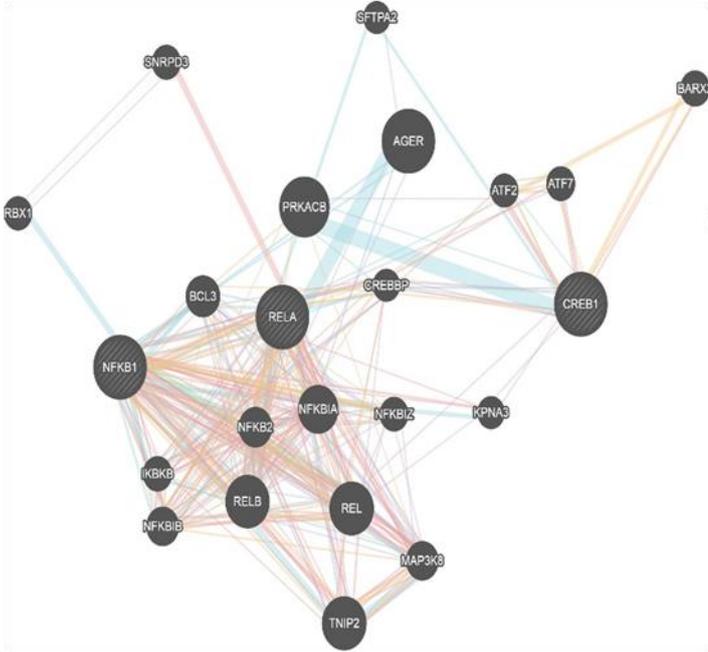
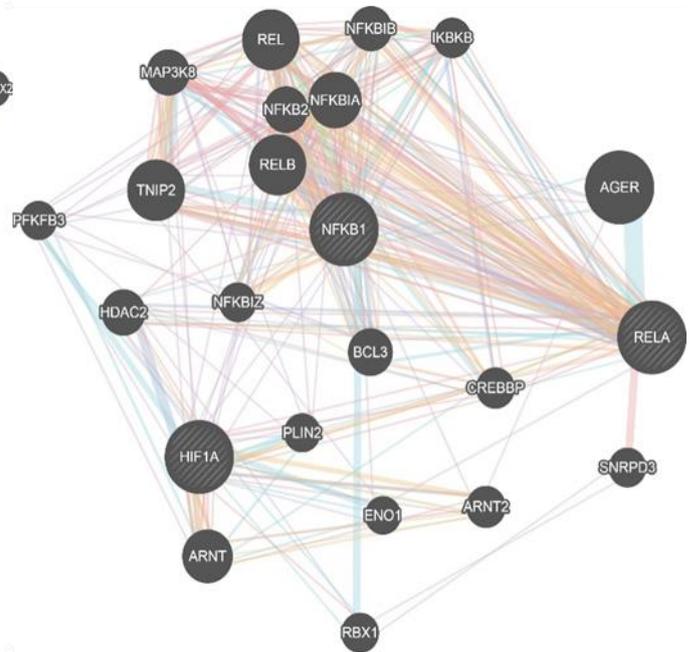


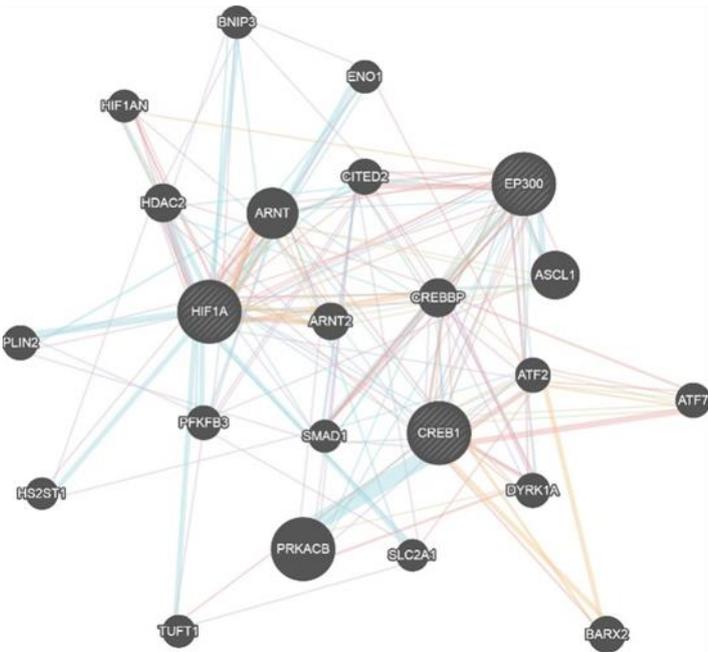
A



B



C



**Networks**

- Physical interactions
- Co-expression
- Pathway
- Co-localization
- Genetic interactions

**Additional file 6.** Cooperativity analysis of NF- $\kappa$ B, CREB and HIF-1 $\alpha$ . The protein-protein interaction of (A) NF- $\kappa$ B with CREB, (B) NF- $\kappa$ B with HIF-1 $\alpha$ , and (C) CREB with HIF-1 $\alpha$  were analyzed by GENEMANIA. The pink line indicates physical interaction, which is the highest interaction in the network. The purple, light blue, dark blue and green lines indicate that the protein has an interaction with the TF with different effects, co-expression, the involved pathway, co-localization and genetic interaction, respectively.