## **Title: Supplementary Data 1.**

**Description: 1A**109 selected human transcription factors for the protein-protein interaction analysis using AP-MS and BioID- methods.

**1B.** High-confidence human TF protein-protein interactions (PPIs) identified with BioID-method.

**1C.** High-confidence human TF protein-protein interactions (PPIs) identified with AP-MS-method.

## Title: Supplementary Data 2.

**Description:** Subcellular localization data of BioID preys.

### Title: Supplementary Data 3.

**Description:** Summary protein-protein interactions (PPIs) for each TF family identified by BioID-method.

# Title: Supplementary Data 4.

**Description:** Gene Ontology Biological Process (GO-BP) enrichment analyses of identified prey proteins by DAVID Bioinformatics Resources.

# Title: Supplementary Data 5.

**Description:** General transcription factors, SAGA complex members and Poll-II components interacting with studies TFs.

#### Title: Supplementary Data 6.

**Description:** The TF prey-prey correlation analysis using ProHits-Viz revealed 17 biological clusters