

## **Description of Additional Supplementary Files**

**Supplementary Data 1.** Lists of downregulated genes in DDX10-AID mESCs treated with IAA for 48 h followed by washing off 48 h in contrast to the untreated mESCs. Related to Fig. 1.

**Supplementary Data 2.** Annotation of DDX10 peaks from CLIP-seq data. Related to Fig. 2a.

**Supplementary Data 3.** Antibodies used for Western blot (WB) and Immunofluorescence (IF). Related to Methods.

**Supplementary Data 4.** Lists of primers and probes used in this study. Related to Methods.