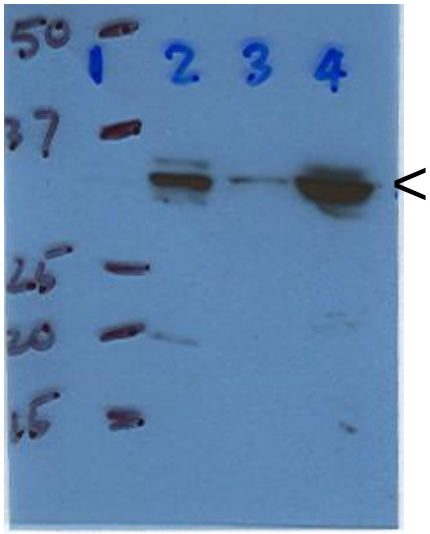
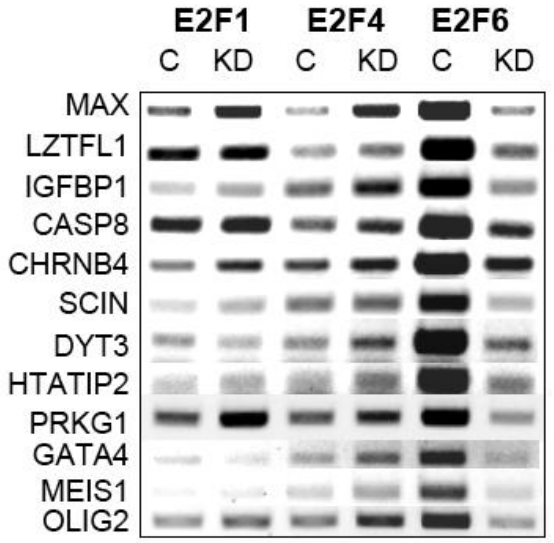
A.



B.



Xu_Figure S4. ChIP assays of E2F family members in E2F6 knockdown cells. ChIP analysis was performed using antibodies to E2F1, E2F4, and E2F6 control Ntera2 cells (C) and Ntera2 cells harboring a plasmid that produces shRNAs against E2F6 (KD).

E2F6 antibody: Santa cruz Biotechnology sc-22823x Polyclonal Rabbit
Cat# for the E2F6 siRNA is TR316522. tube ID TI363299 from OriGene, HuSH shRNA plasmid.

Validation of the E2F6 antibody.

A. Antibody specificity was determined by Western blotting. HeLa(lane2), HepG2(lane3) and K562(lane4) nuclear extracts were probed with E2F6 Rabbit pAb.

B. A plasmid that expresses shRNAs against E2F6 was stably introduced into Ntera2 cells and then ChIP experiments were performed in control and knockdown cells. The E2F6 signals were greatly reduced at all target genes but the enrichment of the same target genes by E2F1 or E2F4 was not reduced.

C. Summary: The E2F6 antibody recognized the right size band, enriches for a large number of known E2F target sites, and the enrichment is lost when the E2F6 mRNA is reduced.

Farnham lab @ UC Davis: E2F6