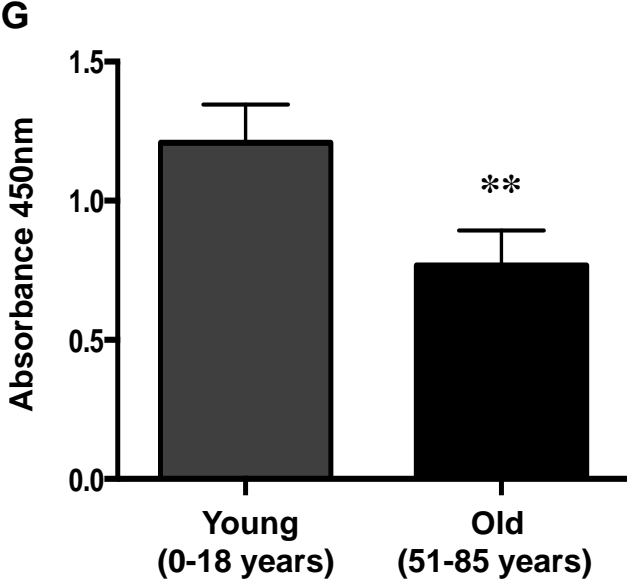
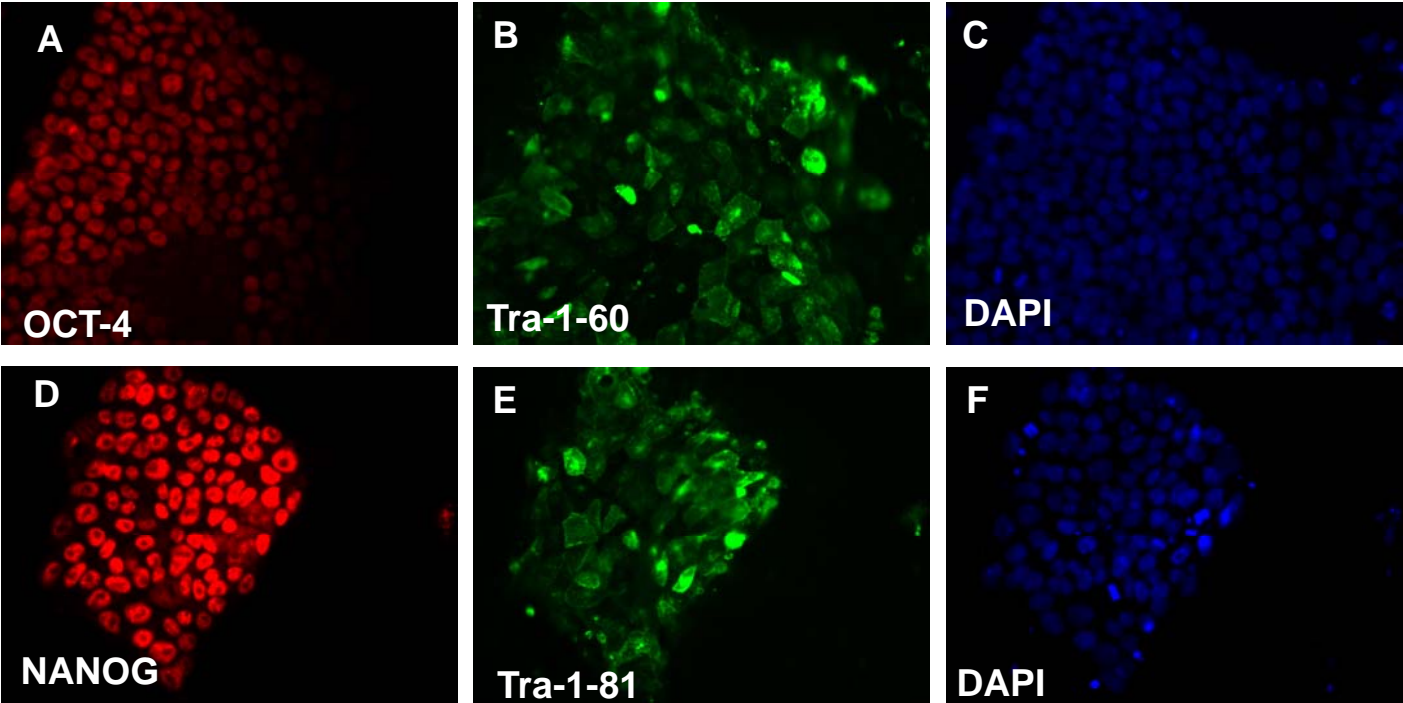


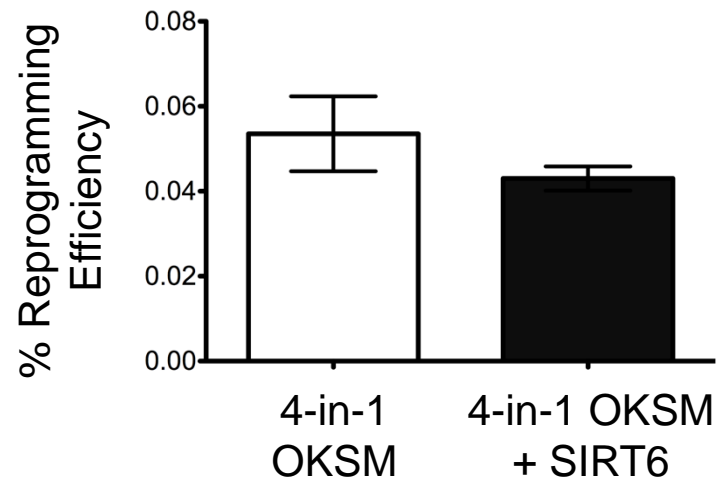
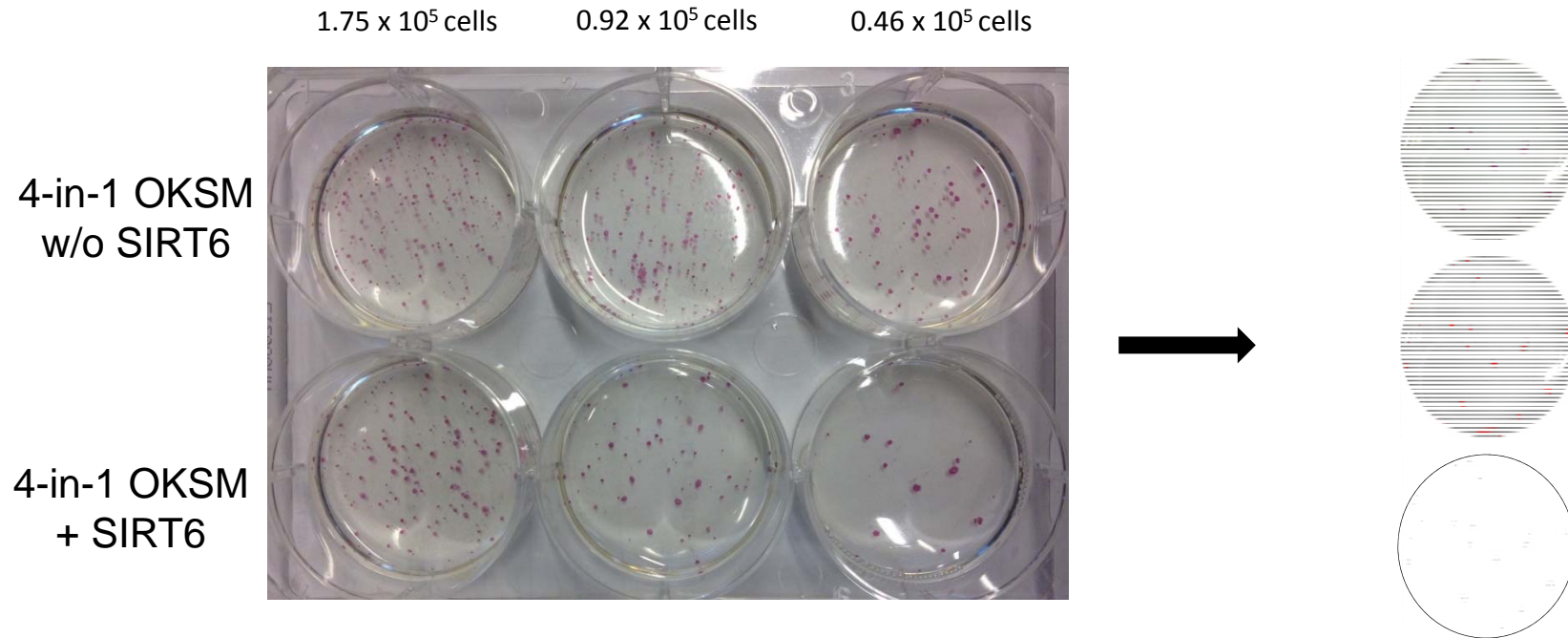
Supplementary Figure S1

iPSC lines without SIRT6



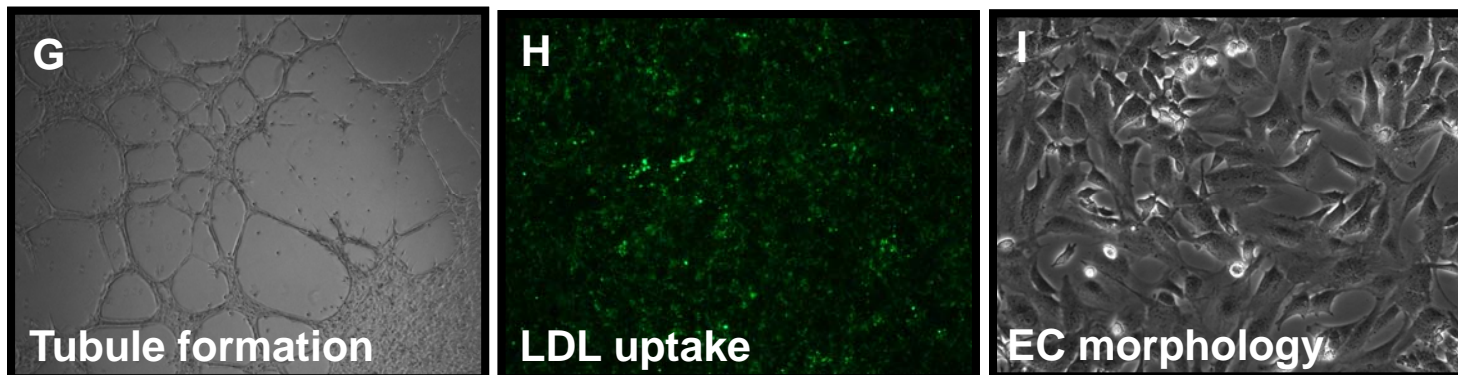
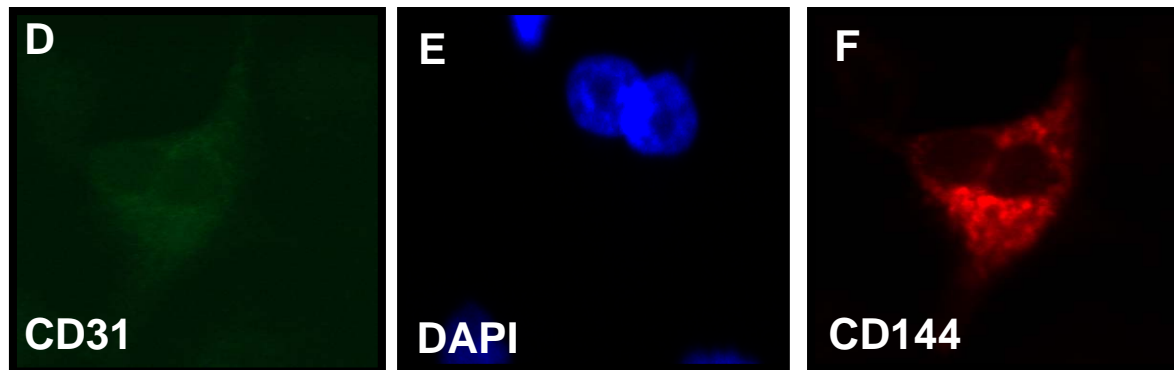
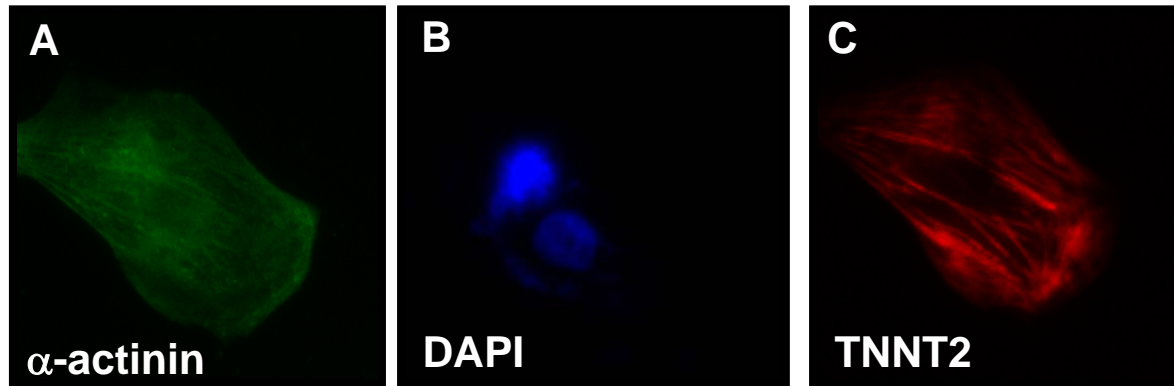
Supplementary Figure S2

Alkaline Phosphatase Staining with and without SIRT6 expression

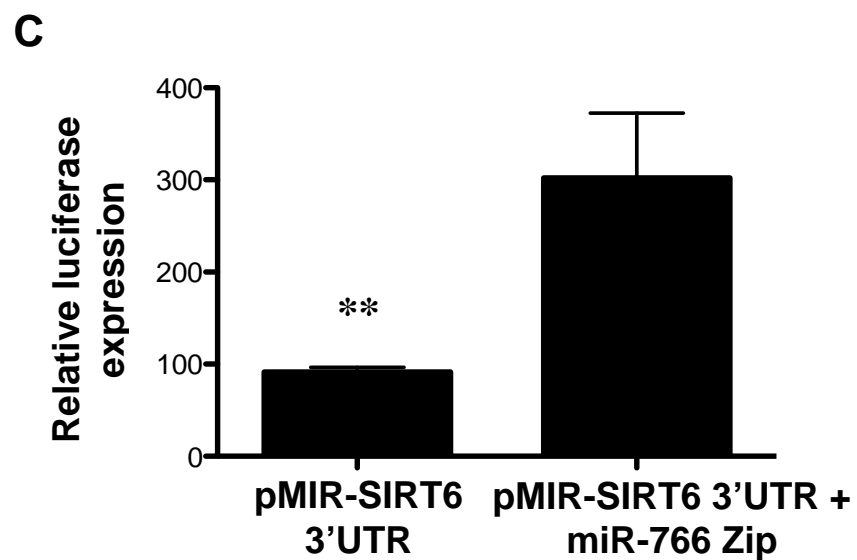
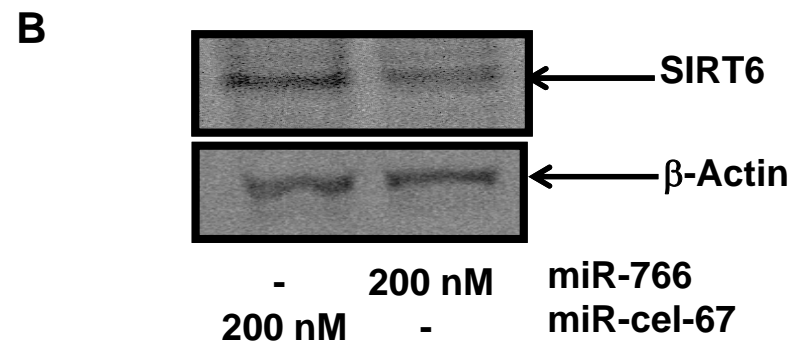
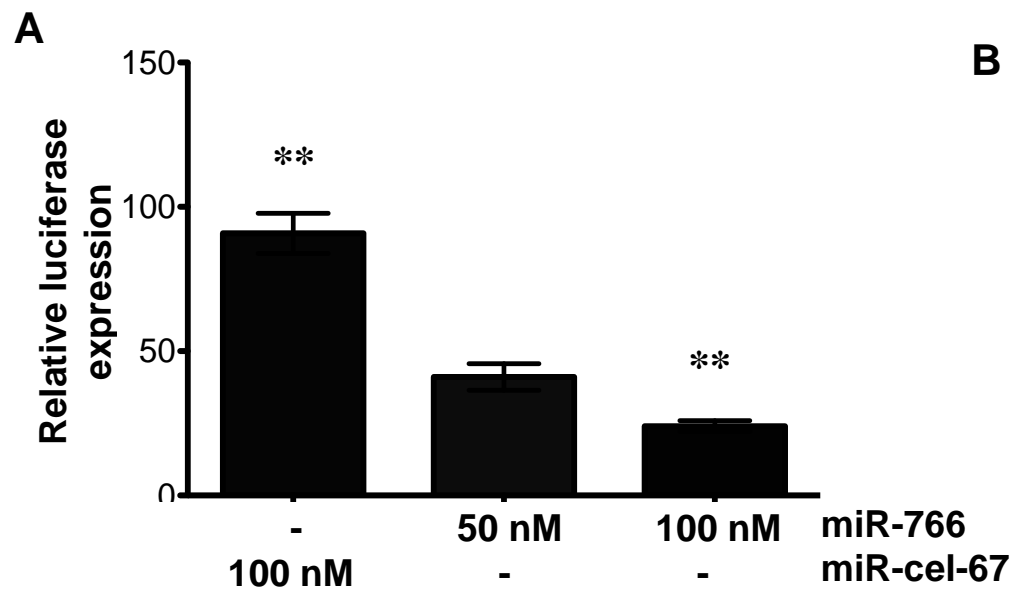


Reprogramming factors	1.75 x 10 ⁵ cells	0.92 x 10 ⁵ cells	0.46 x 10 ⁵ cells
4-in-1 w/o SIRT6	112 colonies	106 colonies	63 colonies
4-in-1 + SIRTt6	85 colonies	36 colonies	19 colonies

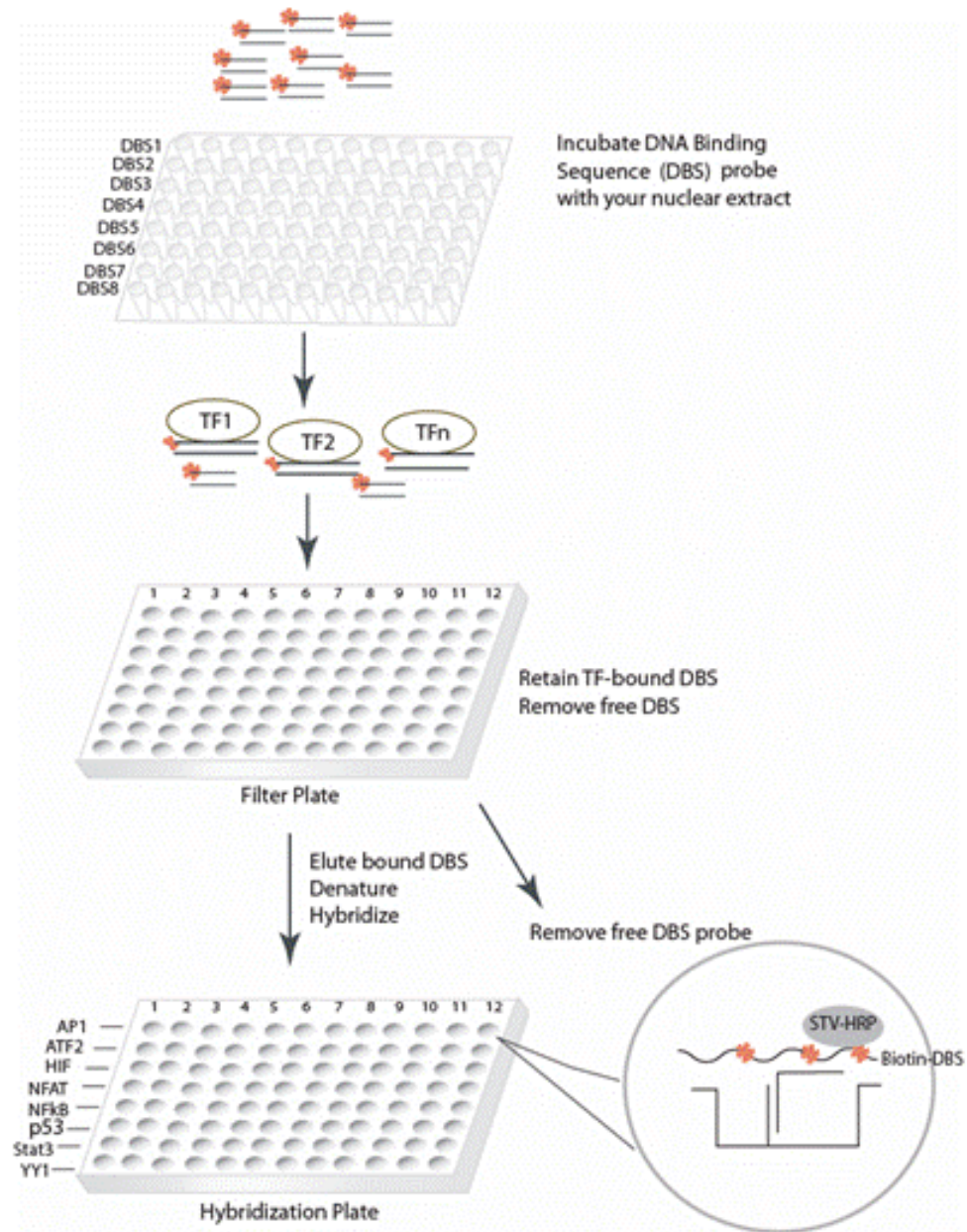
Supplementary Figure S3



Supplementary Figure S4

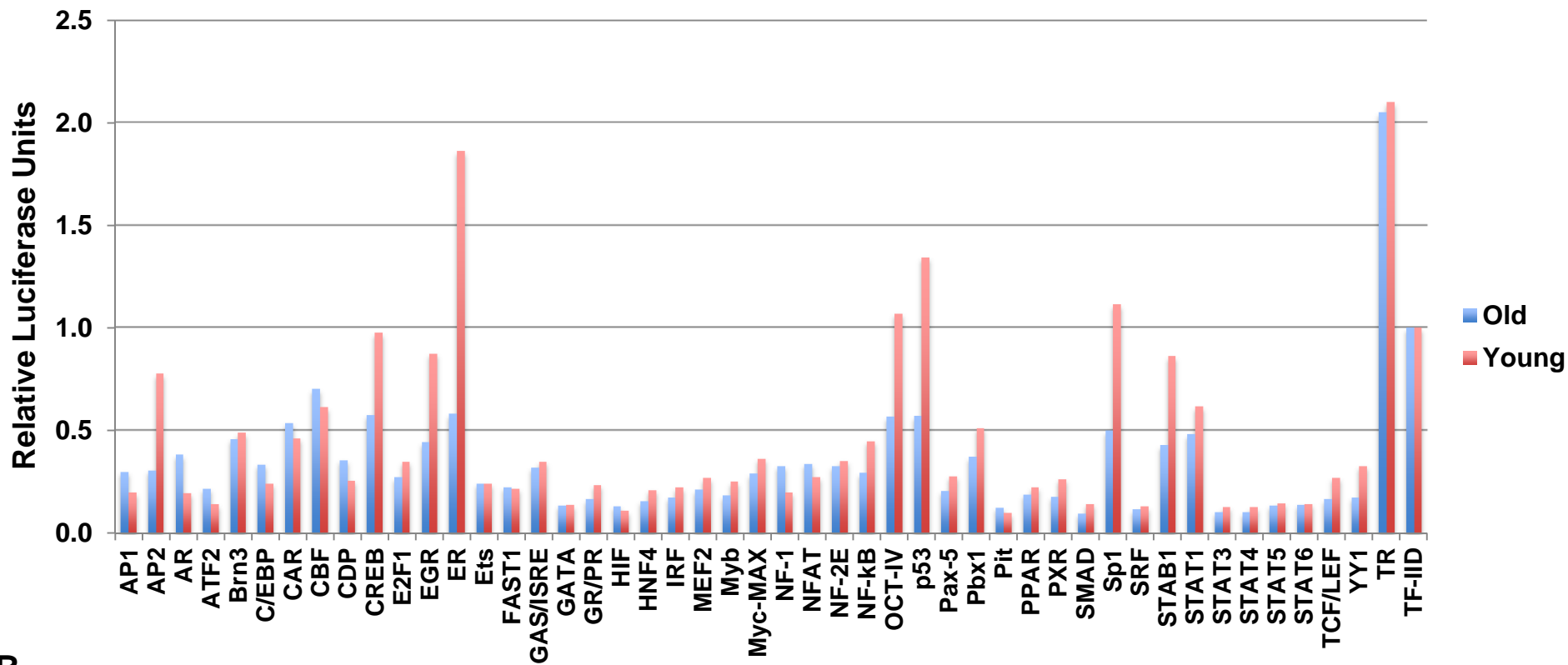


Supplementary Figure S5



Schematic representation of TF activation profiling assay

Supplementary Figure S6

A**TF binding assay on SEPT6 promoter****B**