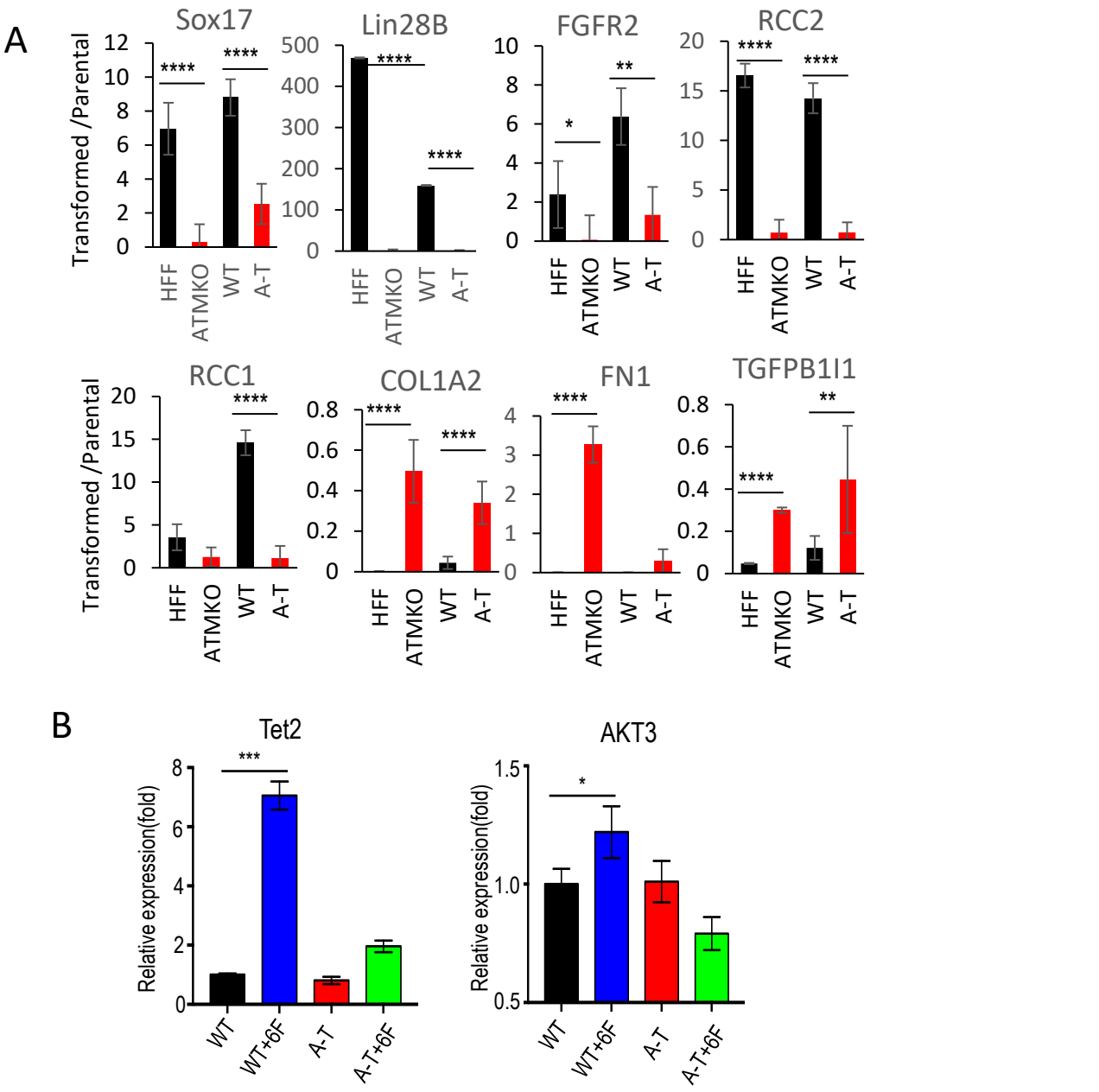

Fig. S4. Q-RT-PCR confirmation of select gene expression in control and oncogene transformed normal and ATM-deficient cells (day 21 post oncogene transduction).

A). Examined genes include those involved in regulation of stemness (SOX17, Lin28B, and FGFR2), chromatin (RCC1 and RCC2), and fibroblast pathways (COL1A2, FN1, TGFPB1I1). WT and A-T represent primary fibroblast cells from normal and AT patients.

B). Quantitative RT-PCR shows that TET2, AKT3 mRNA expression in 6-factor transduced fibroblasts with wild type ATM (WT,04350) or mutated ATM (A-T, 02052).

Error bars represent Mean ± SEM, *p<0.05, **p<0.01, ***p<0.005, ****p<0.001, unpaired t test.