



Fig. S2. Additional data on oncogene-induced transformation of HFF cells.

A). Representative crystal violet stained Petri dish with MPOR-transduced HFF and HFF-ATMKO cells at day 30 post gene transduction.

B). Western blot shows phosphorylated ATM (pATM) expression in MPOR (4F) transduced HFF cells treated with DMSO (4F+DMSO) or 2 μ M ATM inhibitor (ATMi: KU55933). GAPDH as loading control.

C). Morphologically transformed colony outgrowth in MPOR-transduced HFF cells treated with 2 μ M ATM inhibitor (KU55933) for 16 days. $n=3$, error bars represent SEM. * $p<0.05$, unpaired t test.

D). Tumors grown from MPORCC transduced primary fibroblast cells from normal adults and A-T patients in nude mice. About 1×10^6 cells were injected into each mice.

E). Tumors grown from small numbers (400 and 200 cells) of MPORCC transduced primary fibroblast cells from normal adults in nude mice.

F). Kinetics of tumor growth from small numbers (400 and 200 cells) of MPORCC transduced primary fibroblast cells from normal adults in nude mice. $n=6$, error bars represent SEM.