



Supplemental Figure.1 Tumor growth and histopathology in mouse xenografts

(A) Growth curves of the tumors derived from HCK1T-tre16EMR or HCK1T-tre18EMR, with or without expression of FOXA2 (+F) and/or SMAD4mi (+S), and HCK1T-tre16EMR expressing HRASG12V (HRAS). Dox (100ng/ml) was administered to a group of mice with HCK1T-tre16EMR or HCK1T-tre18EMR through drinking water (DOX+) to verify the tumor formation depends on the transgene expression. The tumor-bearing mice were sacrificed when the average tumor volume attained 600-mm³. Mice whose tumors did not reach 600-mm³ were sacrificed at 100 days. Each point is the mean of the tumor volume + standard deviation (n = 8). (B)(C) Representative images of H&E staining (A) or AB/PAS staining and IHC with indicated antibodies (B) for tumors with 18EMR. A scale bar corresponds to 100- μ m. (C) Quantification for lineage-specific marker expression detected by IHC in tumors with indicated cells (n \geq 3). Mean values from at least three independent tumors were plotted. Error bars showed standard deviation. P-value was evaluated using student T-test.; *p \leq 0.05, **p \leq 0.01, ***p \leq 0.001, ns p > 0.05.