

SUPPLEMENTARY FIG. S7. In 3D Matrigel epithelial cysts are generated by single EpCAM^{pos} cells that undergo proliferation at day 3–7 after plating in culture. (**A**) Epithelial cells were isolated from trachea, airways and the distal lung of transgenic EGFP and RFP-expressing mice using magnetic microbeads, and co-cultured with wild-type lung fibroblasts. Representative images of cysts at 18 days after plating. (**B**) Kinetics of apoptosis and proliferation of lung epithelial cells represented as percentage of GFP^{pos} TUNEL^{pos} (*gray line*) and GFP^{pos} nuclear PCNA^{pos} (*red line*) cells at days 0–7 in culture; n=3 independent experiments. Scale bar, $100 \,\mu\text{m}$.