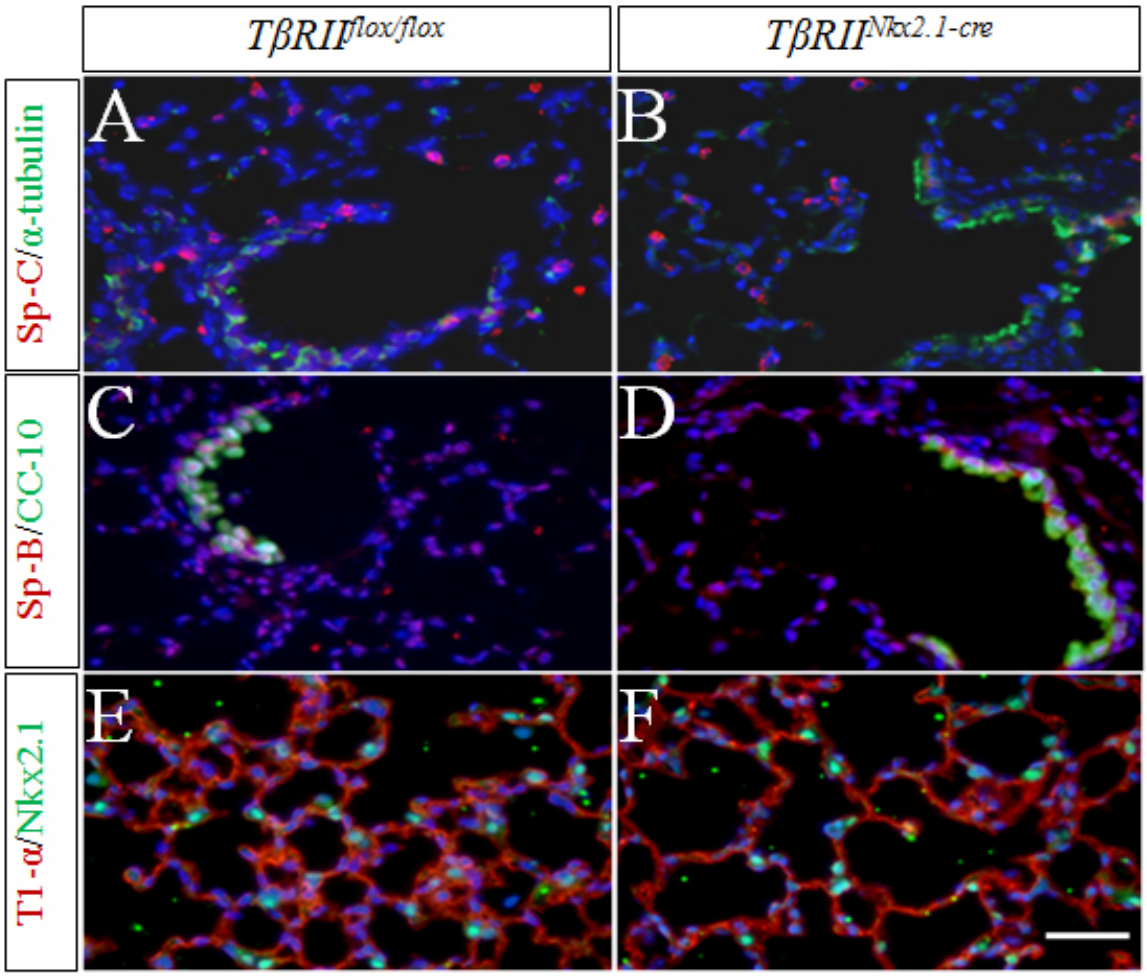
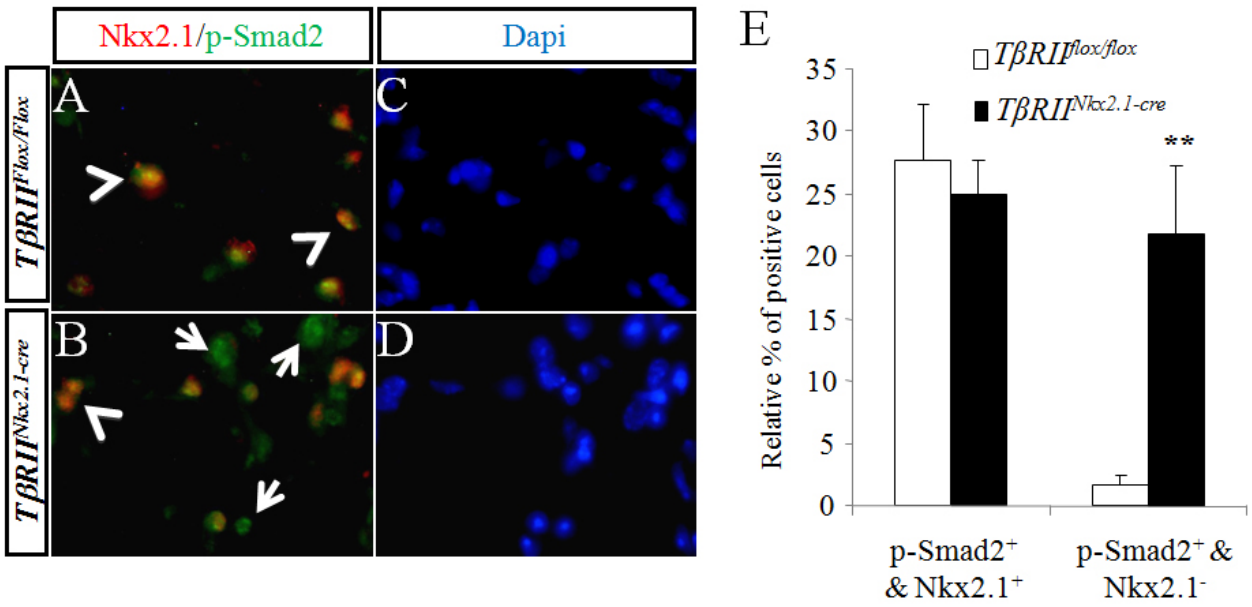


Supplementary Figure 1. Double immunofluorescence detection of lung epithelial differentiation markers in *TβRII*$^{flox/flox}$ and *TβRII*$^{Nkx2.1\text{-}cre}$ lungs. Panels A and B, double immunostaining for SpC in red and α-tubulin in green. Panels C and D, SpB in red and CC-10 in green. Panels E and F, T1-α in red and Nkx2.1 in green. Scale bar: 400μm.



Supplementary Figure 2. Phospho-Smad2 in non-epithelial (Nkx2.1-negative) cells in *TβRII*$^{Nkx2.1\text{-}cre}$ lungs. Panels A and B, Double immunofluorescent detection of Nkx2.1 (red) and p-Smad2 (green) in 8 week-old *TβRII*$^{flox/flox}$ and *TβRII*$^{Nkx2.1\text{-}cre}$ lungs, respectively. Panels C & D are Dapi staining of sections shown in Panels A and B respectively. Panel E, Relative percent of positive cells, normalized to total cell number in each lung. Multiple fields (More than 4000 cells in each group) were counted and averaged. Arrowheads=Nkx2.1+p-Smad2 double positive cells, arrow=p-Smad2 sincgel positive cells. ** = $p<0.01$