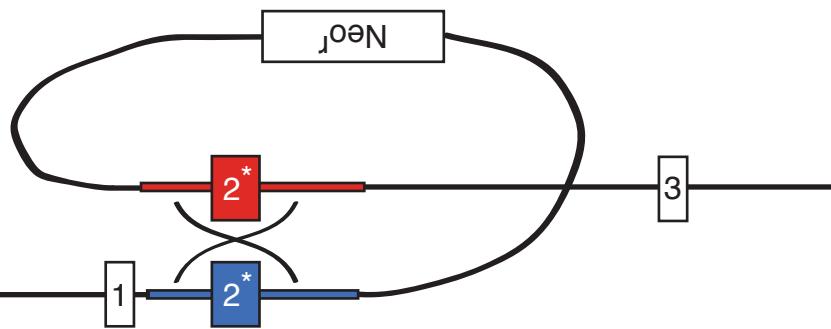
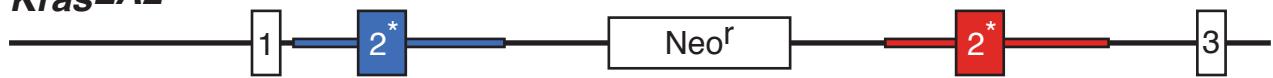
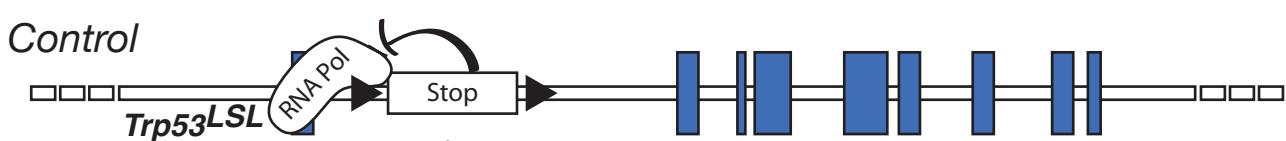
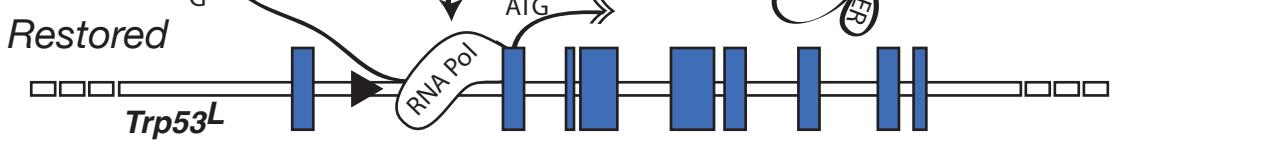
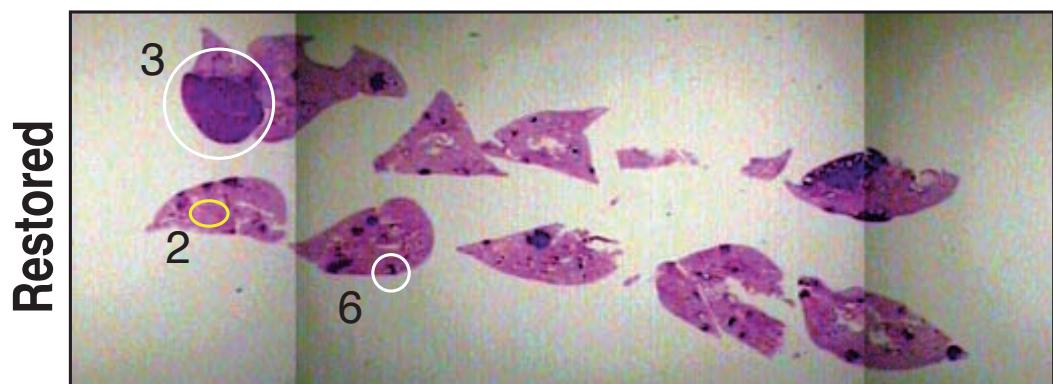
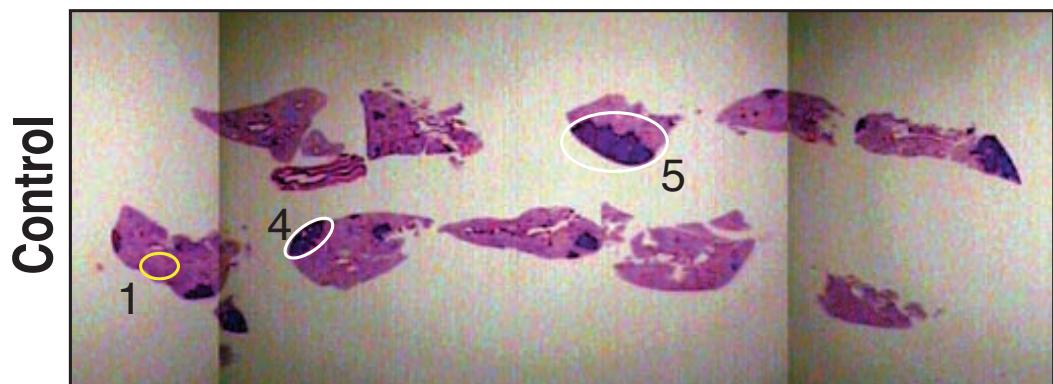


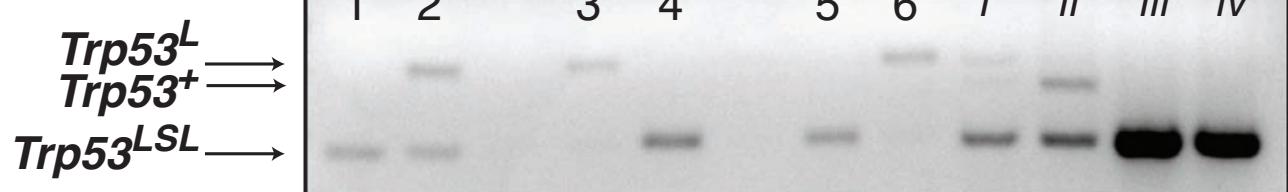
**a*****Kras<sup>LA2</sup>******Kras<sup>LA2</sup>******KrasG12D*****b*****Trp53<sup>LSL</sup>*****Control****Restored**

## Supplementary Fig. 2

a



b



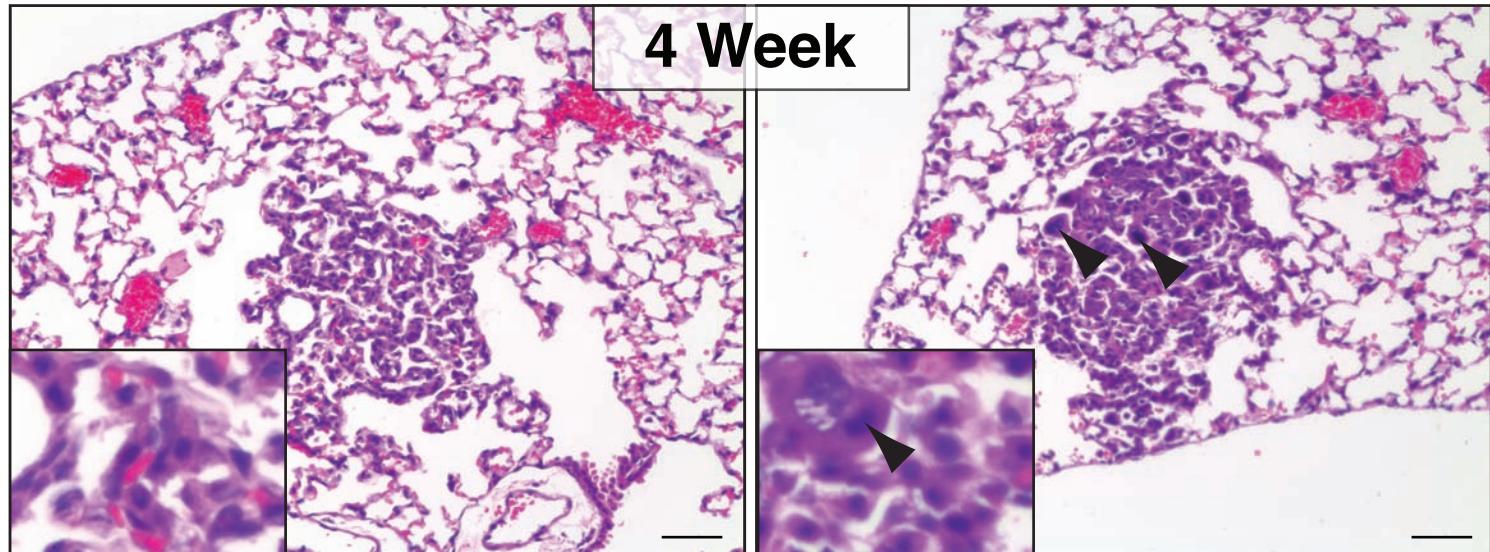
**Supplementary Fig. 3**

**a**

*Kras<sup>LA2/+</sup>; Trp53<sup>+/+</sup>*

*Kras<sup>LA2/+</sup>; Trp53<sup>LSL/LSL</sup>*

**4 Week**

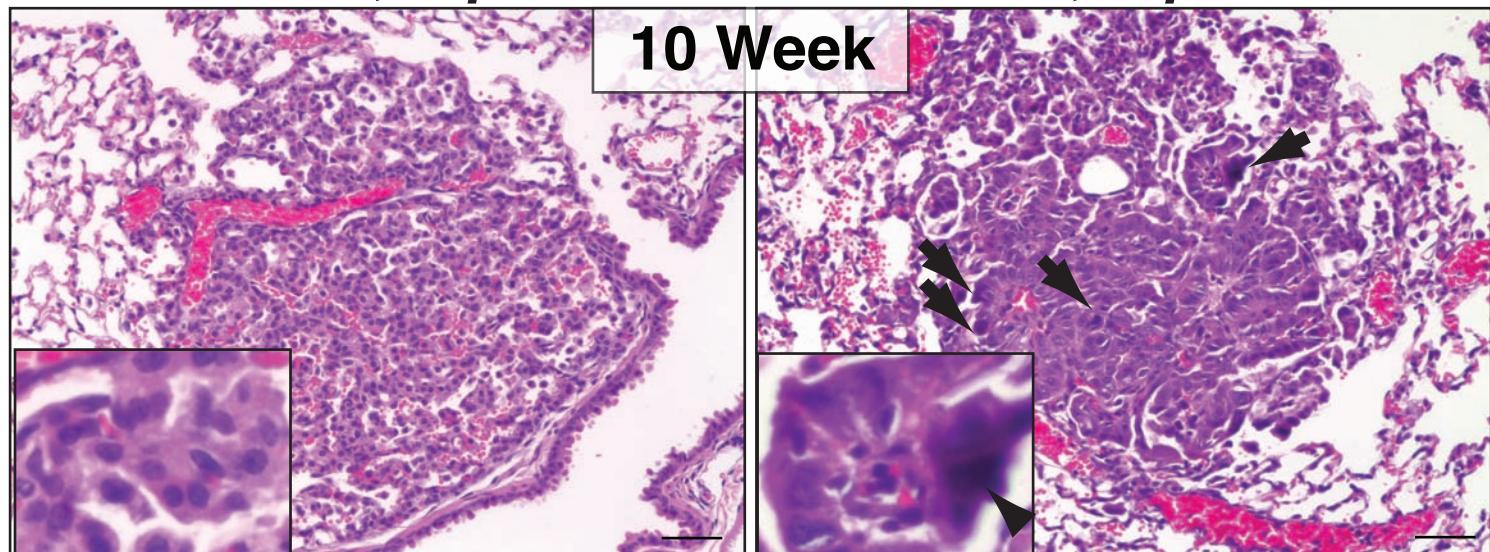


**b**

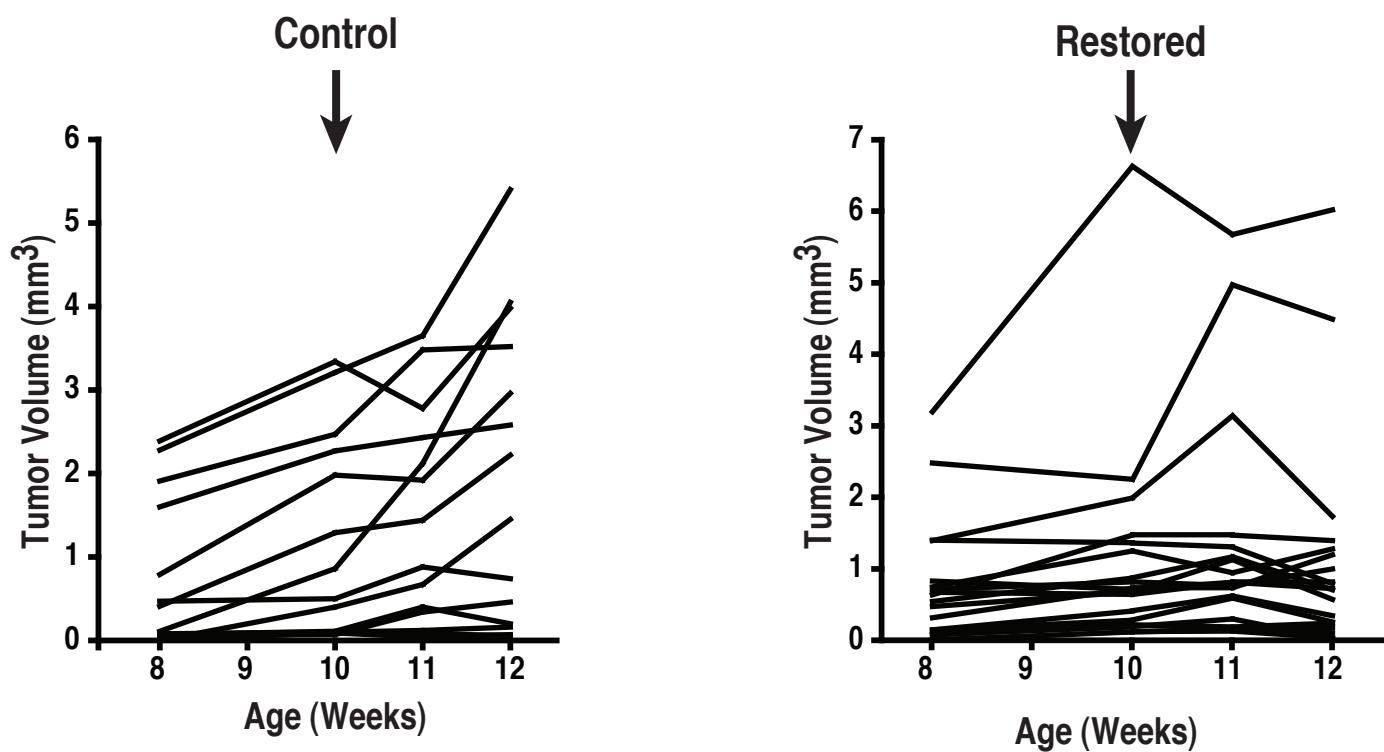
*Kras<sup>LA2/+</sup>; Trp53<sup>+/+</sup>*

*Kras<sup>LA2/+</sup>; Trp53<sup>LSL/LSL</sup>*

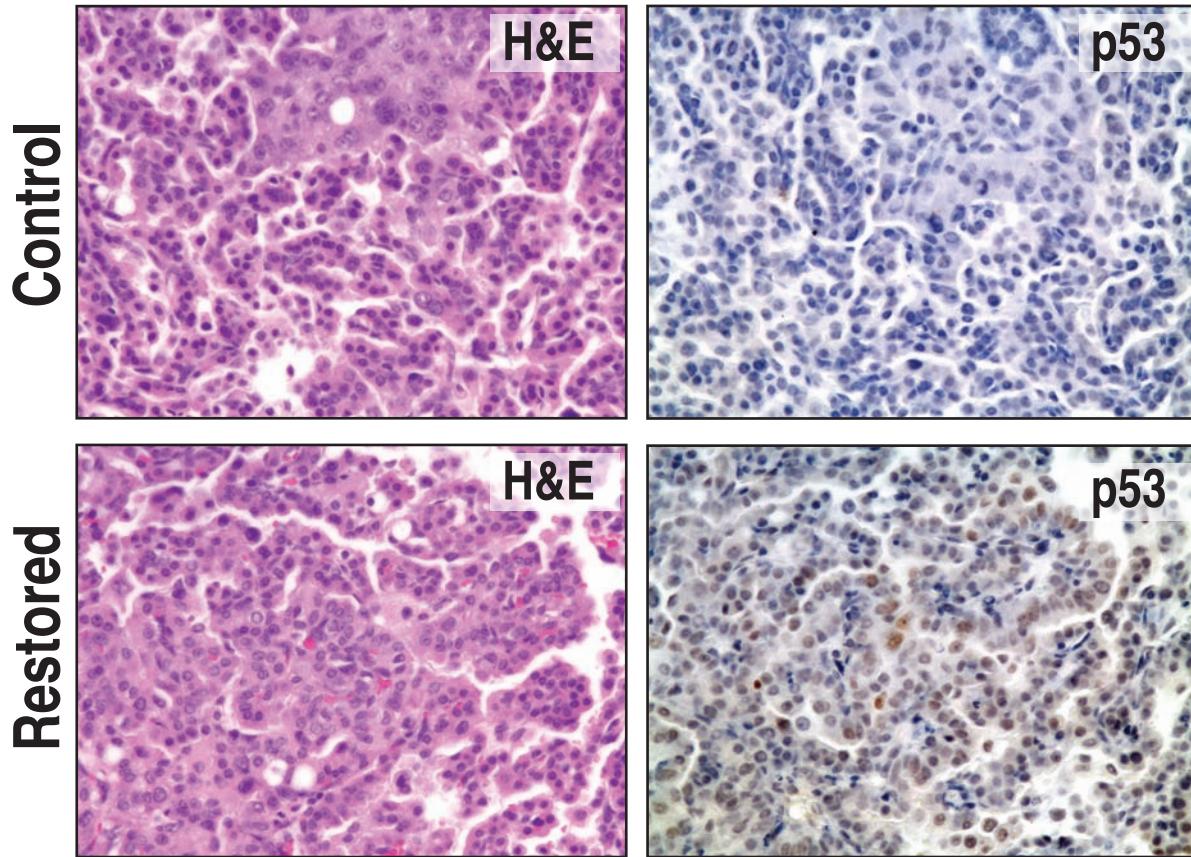
**10 Week**



## Supplementary Fig. 4

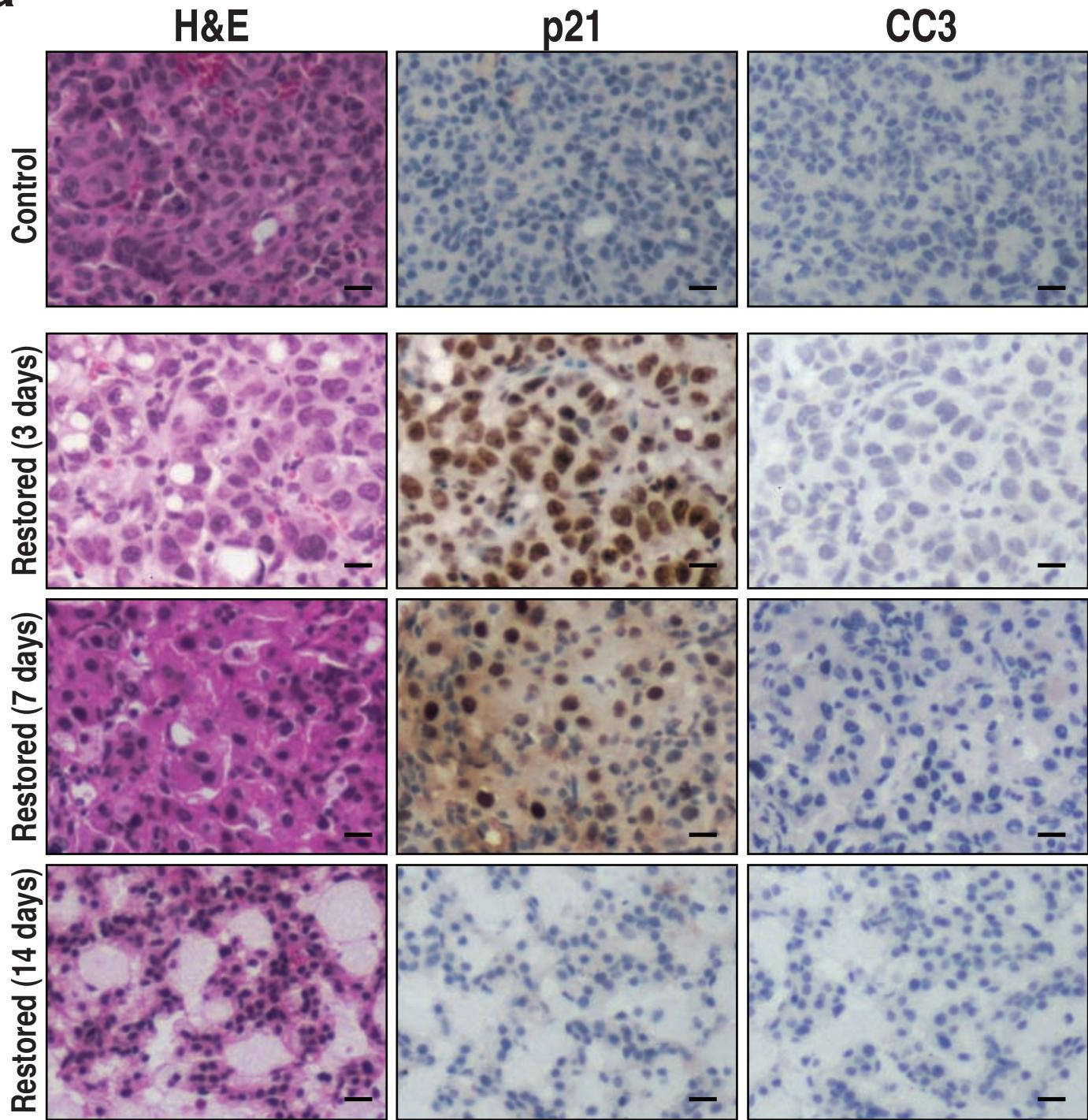


**Supplementary Fig. 5**

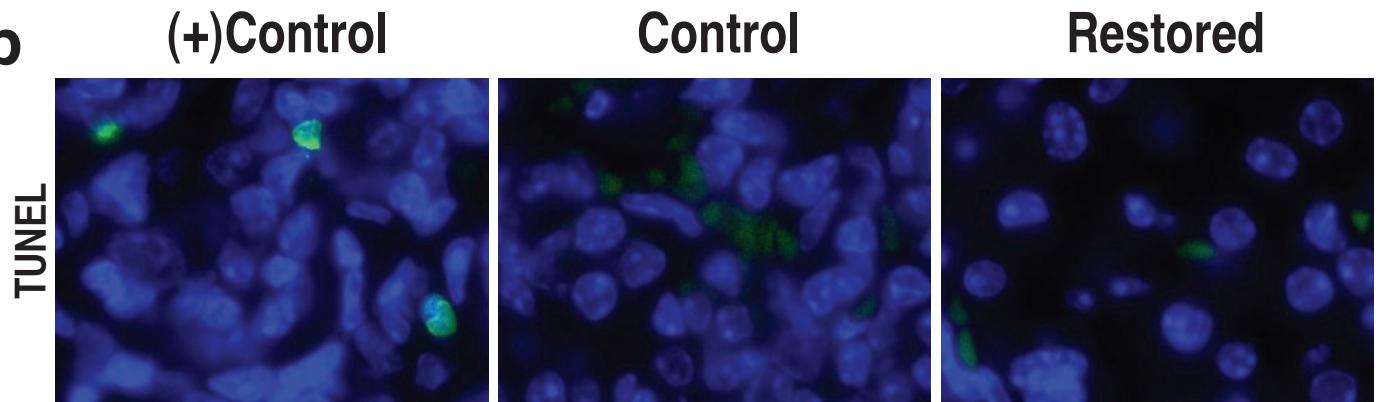


**Supplementary Fig. 6**

**a**

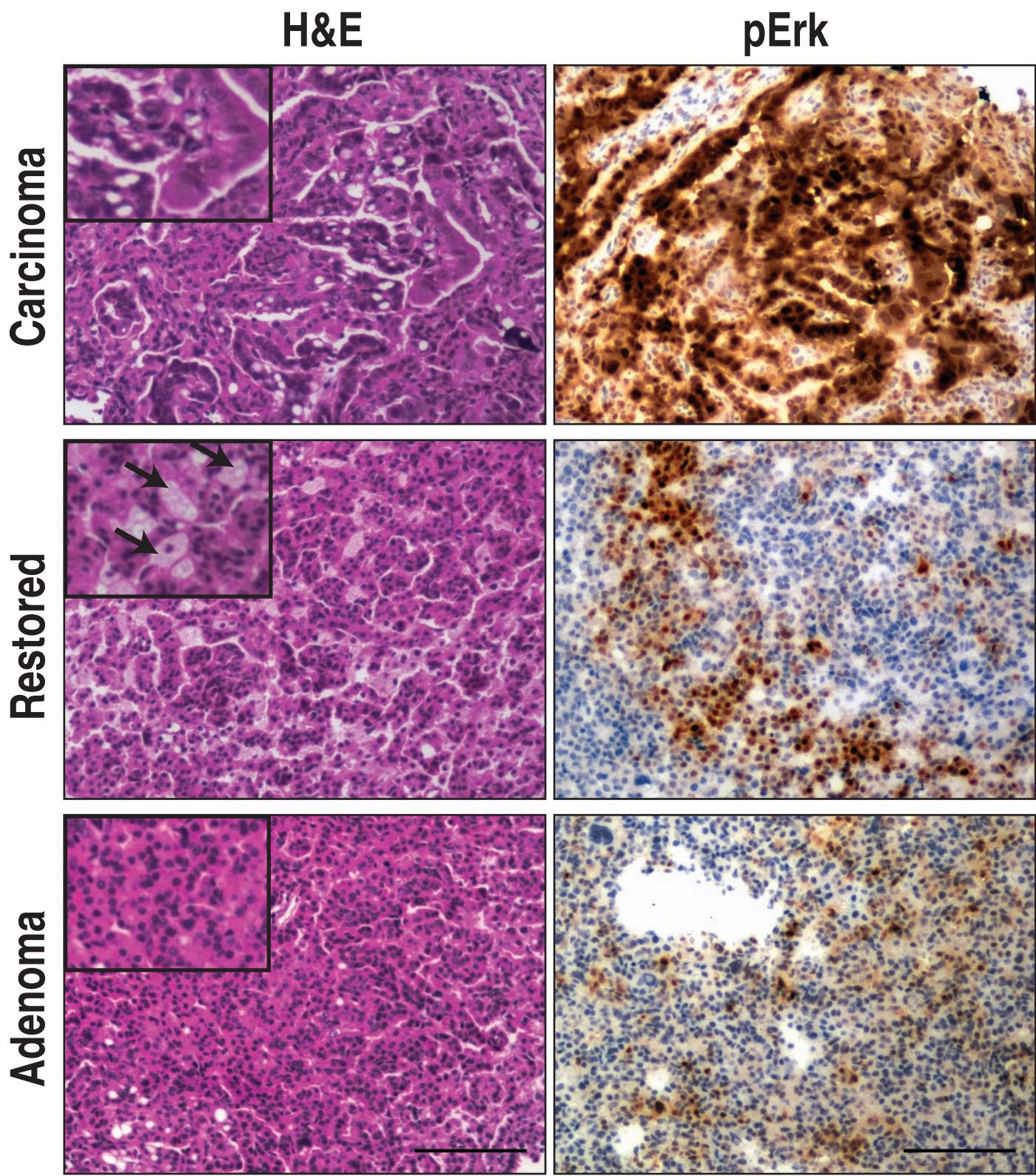


**b**



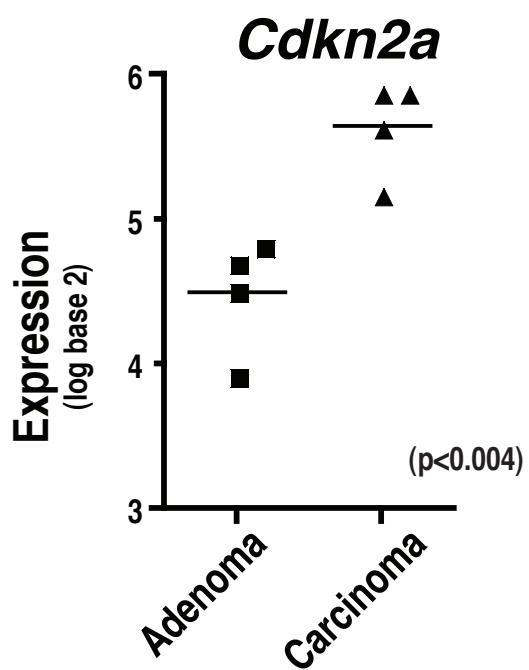
Scale bars=100 m

Supplementary Fig. 7

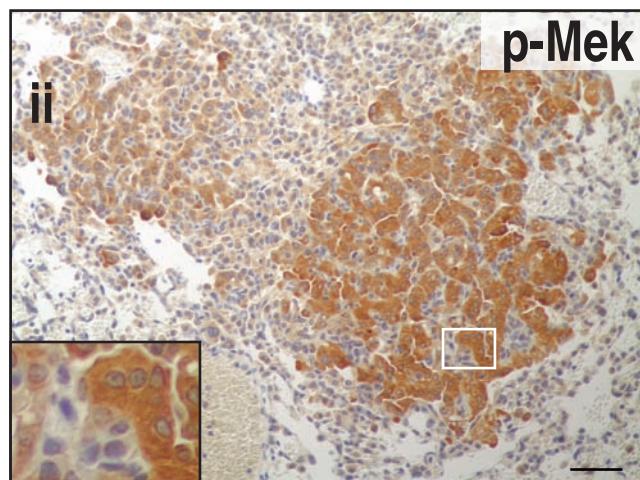
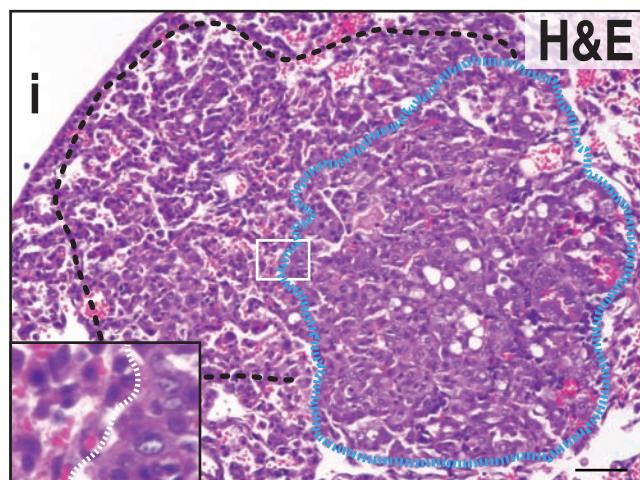


Supplementary Fig. 8

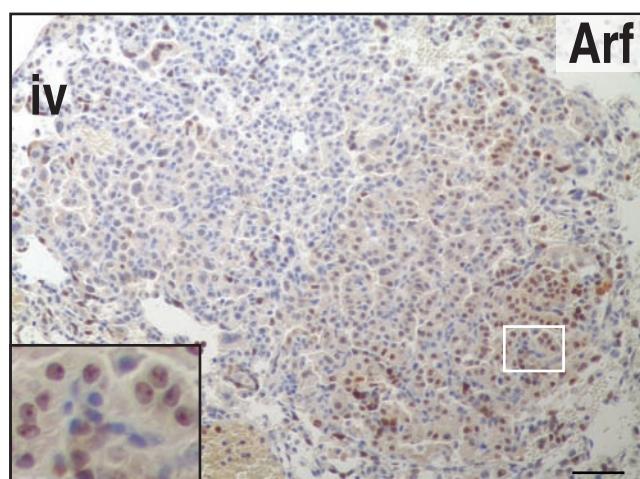
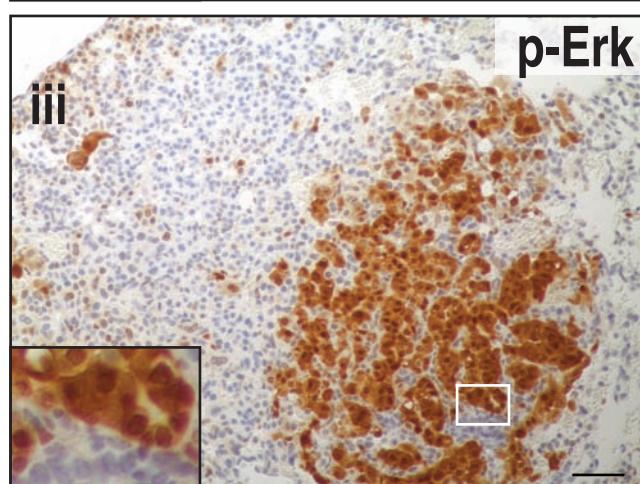
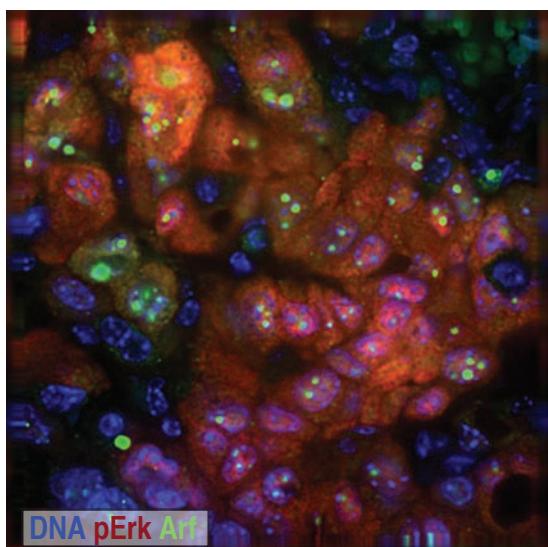
a



b



c



# Supplementary Fig. 9

