



**Supplementary Fig. 5.** Distribution of cells with pβ-cat-Ser552.

A-B. Comparison of distribution pattern of cells with nuclear pβ-cat-Ser552 between control and PTEN mutant.

C. A selected region in polyp (B) shows fission crypts and also shows higher levels (red arrow) and lower levels of perinuclear pβ-cat-Ser552 (black arrow) seen in multiple crypt cells.

D. Quantification of the number of cells with high levels (red arrow) of nuclear pβ-cat-Ser552 in equal lengths (5 crypt distance) of intestine.