

Supplementary Figure 4. β -catenin TALENs alone are able to induce liver tumors.

 $\texttt{tcagccact} \textcolor{red}{\textbf{cGCAGCAGCAGTCTT}} \textbf{acttggatg-------attc} \textcolor{red}{\textbf{TGGTGCCACCAC}} \textbf{agctccttc} \hspace{0.1cm} (\texttt{\#831 tumor2}, \hspace{0.1cm} \Delta9)$

(A) C3H mice were treated with GoldyTALEN vector (20ug) only or β -catenin TALEN (10ug of each) only, without DEN (n = 5). The yellow arrows point to distinct tumors with a red, fleshy appearance.

-attcTGGTGCCACCACagctccttc (#831 tumor1, Δ9)

- (B) Genotyping of liver and tumor samples.
- (C) Sequencing results of the β -catenin mutated tumors. Highlighted sequences are TALEN binding sites.