



Supplementary Figure 8. Establishment of JCAD conditional knockout mouse clones. (A) A schematic diagram illustrating JCAD conditional mouse construct. (B) Tail DNA genotyping of HSC-JCAD-KO mice. (C) Both Western blotting analyses and qPCR results showed that JCAD levels were down-regulated in HSCs isolated from tamoxifen (TAX)-injected mice compared to corn oil-injected mice. For western blotting analyses, HSCs from 5 livers were pooled to increase the yield and was seen as one *ex vivo* experiment, repeated 2 times. For qRT-PCR analysis, HSCs from 3 livers were pooled to increase the yield and was seen as one *ex vivo* experiment, repeated 3 times (n=3). (D) Cre activity was detected in primary stellate cells isolated from tamoxifen (TAX)-injected HSC-JCAD-KO mice. Corn oil was used as solvent for TAX injection. All data were expressed as mean \pm SD. *** $P < 0.001$ vs. WT mice.