



Figure S1. HP1 gene inactivation. Rates of HP1 α , HP1 β and HP1 γ gene deletions in mouse liver have been measured on genomic DNA issued from 3C-qPCR experiments to get the best evaluation of our studied samples. Two samples were used for each genotype: 207, 316 for the HP1-TKO and 208, 315 for control mouse livers. Each mouse Control is linked to a mouse HP1-TKO by being born in the same litter. The percentage of remaining unrecombined genes was calculated as follow: $(HP1TKO/CTL)*100$. All data has been quantified in triplicate (error bars are s.e.m., n=2 biological replicates).