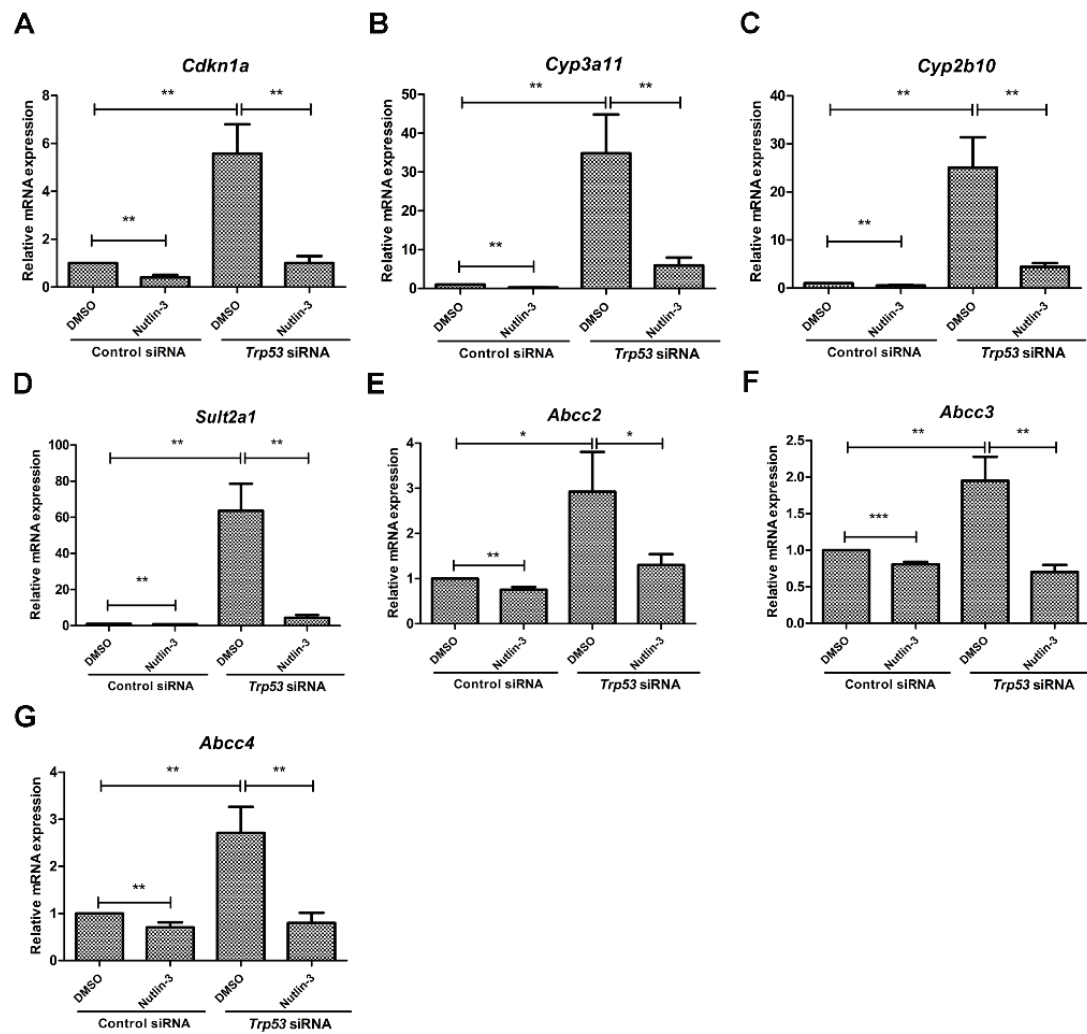
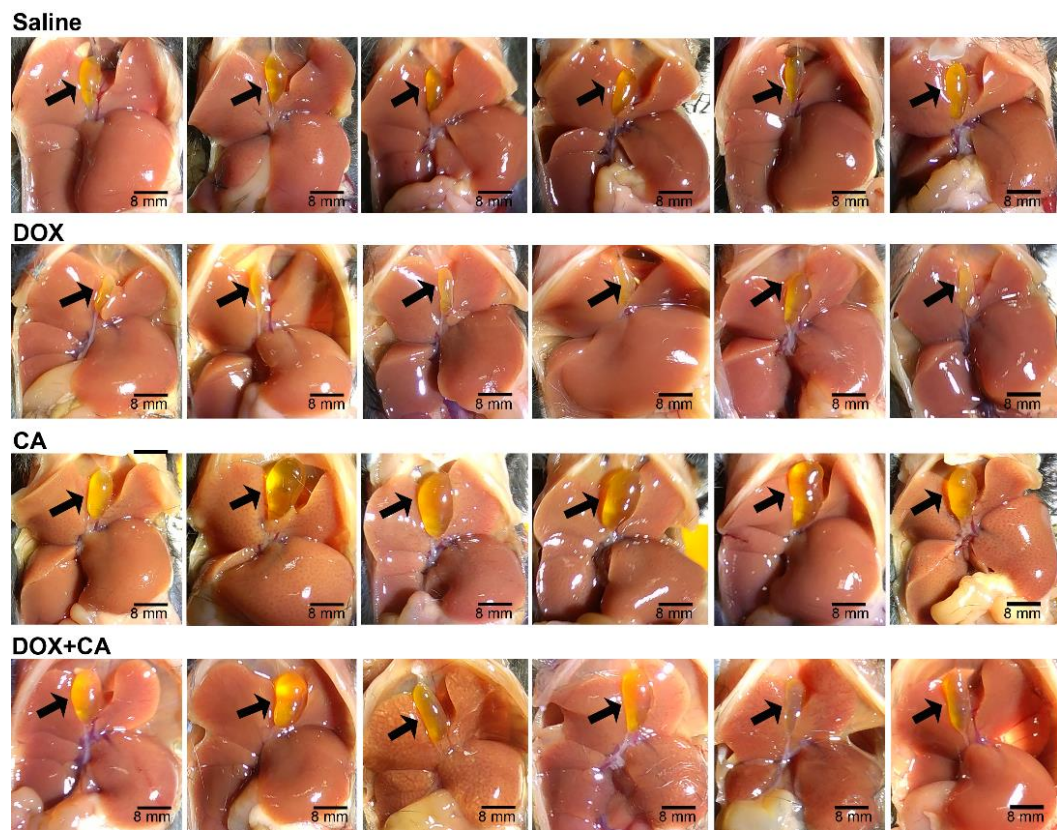


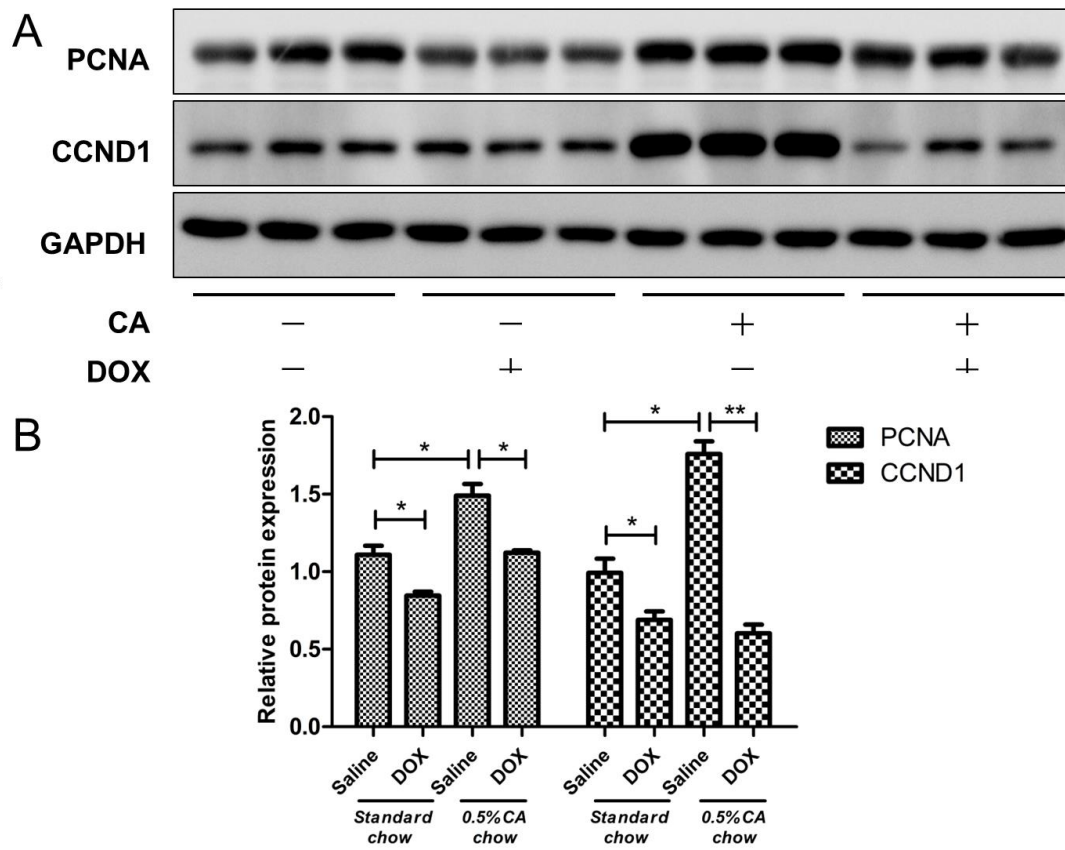
Supplementary Data



Supplementary Fig. 1. Effects of p53 activation on bile acid disposition related gene expression in primary hepatocytes of *Trp53*-WT mice.



Supplementary Fig. 2. Effects of p53 activator Dox on morphology of liver and gallbladder in *Trp53*-WT mice.



Supplementary Fig. 3. Effects of p53 activator Dox on liver regeneration related gene expression in CA-fed *Trp53*-WT mice.

Supplementary Table 1. Sequences of the gene-specific primers

Gene	Species	Genbank	Forward primer (5'→3')	Reverse primer (5'→3')
<i>Gapdh</i>	Mouse	NM_008084	AGGTCGGTGTGAACGGATTTG	GGGGTCGTTGATGGCAACA
<i>Trp53</i>	Mouse	NM_011640	CTCTCCCCGCAAAAGAAAAA	CGGAACATCTCGAAGCGTTTA
<i>Cdkn1a</i>	Mouse	NM_001111099	CCTGGTGATGTCCGACCTG	CCATGAGCGCATCGCAATC
<i>Slc10a1</i>	Mouse	NM_001177561	CAAACCTCAGAAGGACCAAACA	GTAGGAGGATTATTCGGTTGTG
<i>Slco1b2</i>	Mouse	NM_020495	GCACTGCGATGGATTCAGGAT	AGCTTTGGTCGGTGTAGCTTG
<i>Abcb11</i>	Mouse	NM_021022	TCTGACTCAGTGATTCTTCGCA	CCCATAAACATCAGCCAGTTGT
<i>Abcc2</i>	Mouse	NM_013806	GTGTGGATTCCCTTGGGCTTT	CACAACGAACACCTGCTTGG
<i>Abcc3</i>	Mouse	NM_029600	CTGGGTCCCTGCATCTAC	GCCGTCTTGAGCTGGATAAC
<i>Abcc4</i>	Mouse	NM_001033336	CATCGCGGTAACCGTCCTC	CCGCAGTTTTACTCCGCAG
<i>Cyp7a1</i>	Mouse	NM_007824	GAACTCCTTTGGACAACGGG	GGAGTTGTGATGAAGTGGACAT
<i>Cyp3a11</i>	Mouse	NM_007818	GGATGAGATCGATGAGGCTCTG	CAGGTATTCCATCTCCATCACAGT
<i>Cyp2b10</i>	Mouse	NM_009999	TGCTGTGTTGAGCCAACC	CCACTAAACATTGGGCTTCTCT
<i>Sult2a1</i>	Mouse	NM_001111296	GAAGGCATACCTTTTCTGCCAT	GTAACCAGACACAAGAATATCTCT
<i>Ugt1a1</i>	Mouse	NM_201645	GCTTCTCCGTACCTTCTGTTG	GCTGCTGAATAACTCCAAGCAT

Supplementary Table 2: Sequences of Primers Used in ChIP Assay

Gene	5'- 3' Forward	3'- 5' Reverse
ABCC3 promoter 1	TACCAGTGGGGGAAGCCTC	CTTGAGCGGGATGCACTT
ABCC3 promoter 2	GGAGAGTTGGAGGAAGCCG	AAGGGCAGGGACTAACTCAG
ABCC3 promoter 3	ATTGGAGGGGACTGAGTTAGTC	CCTTTCCACTCATCCACACA
ABCC3 promoter 4	CAGGGCAACAGCGGGATTG	GCCCCAGGAGGAGCCCCAC
CYP2B6 promoter 1	TTTGAACATGCACTACCACCAC	TCTATTTTTGTAAGCATAGGTGAGCT
CYP2B6 promoter 2	GGTGCAGGGCAGTCAGAC	TTCCCAAAGGGGCAGA