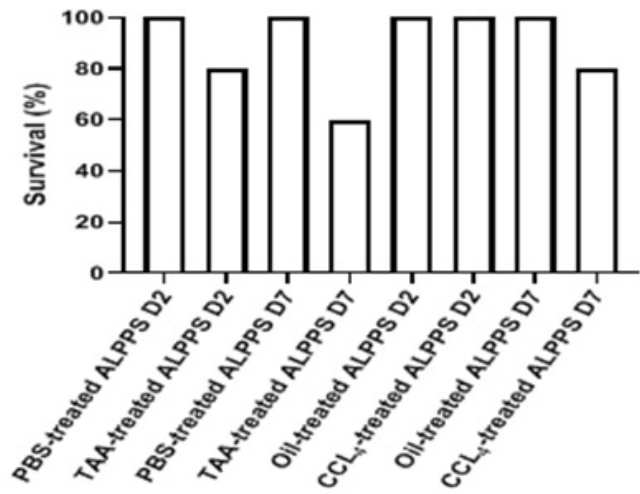
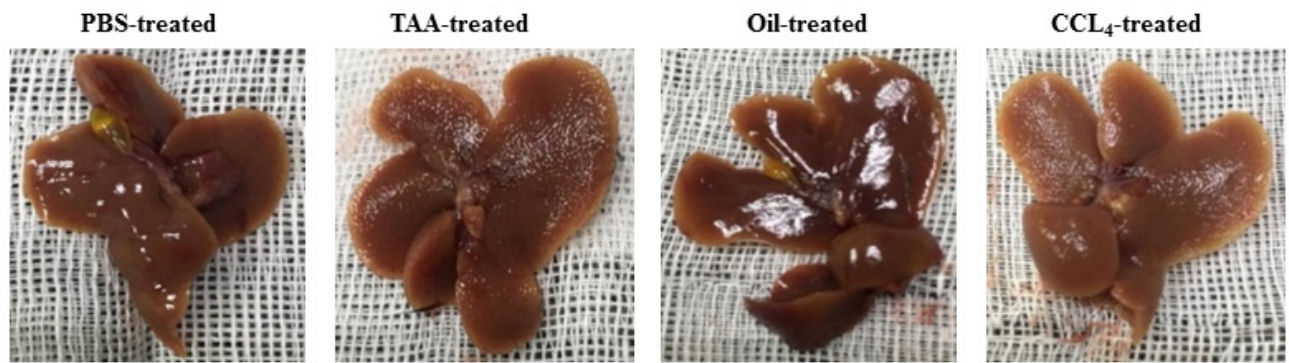


(A)



(B)



(C)

Figure S1 Establishment of fibrosis models. (A) Pictures of the apparatus; (B) Specimens of each group; (C) Mortality in each group during the associating liver partition and portal vein ligation for staged hepatectomy (ALPPS) procedure.

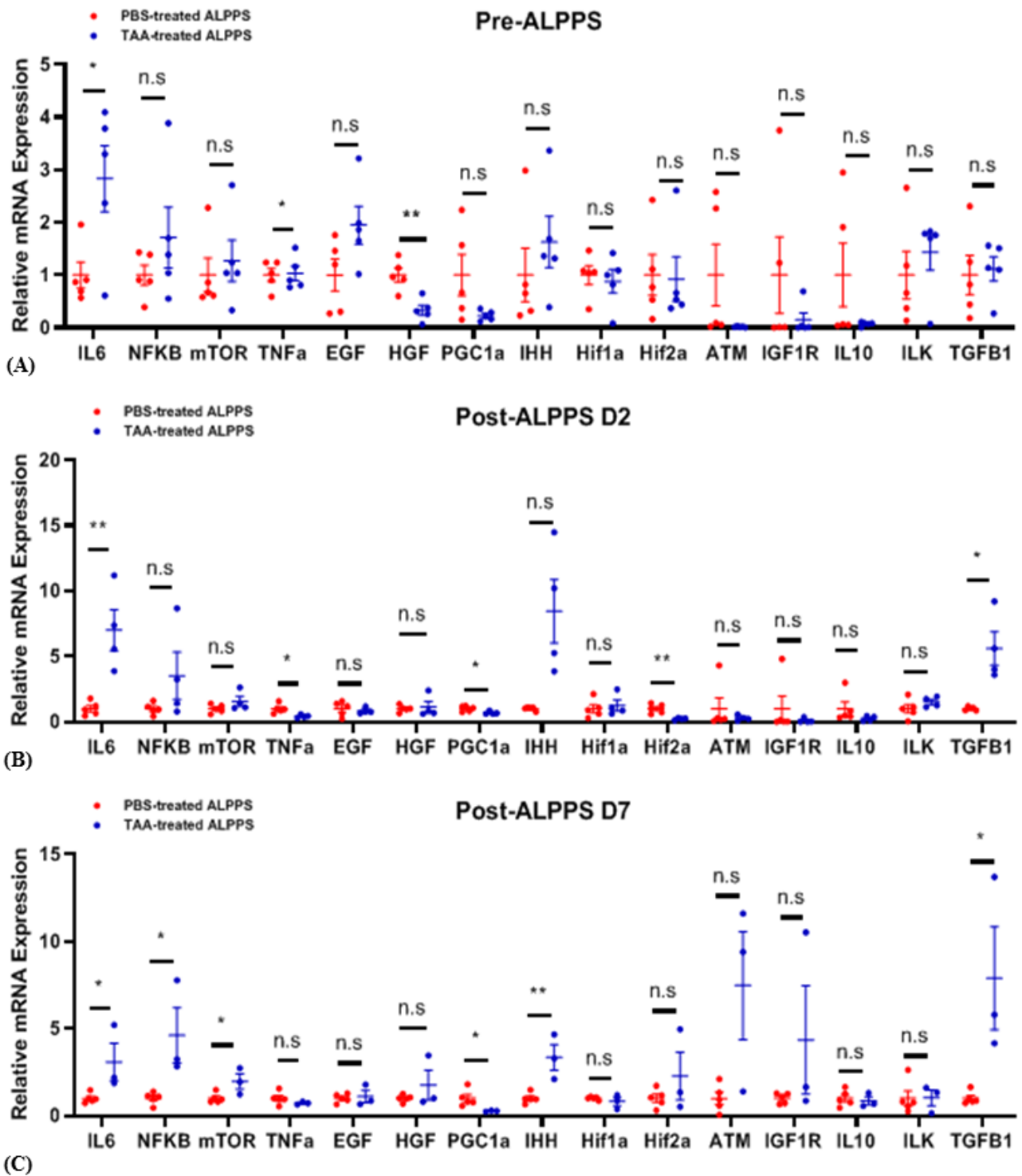


Figure S2 Several regenerative pathways during ALPPS in PBS- or TAA-treated models. (A) RNA expression pre-ALPPS; (B) RNA expression post-ALPPS day 2; (C) RNA expression post-ALPPS day 7. * $P < 0.05$, ** $P < 0.01$, and *** $P < 0.001$. TAA, thioacetamide; PBS, phosphate buffered-saline; ALPPS, associating liver partition and portal vein ligation for staged hepatectomy; $n = 5$ mice for each condition.

Table S1 Materials information (primers in this study)

Primers	Forward	Reverse
GAPDH (Mouse)	GGAGAGTGTTCCTCGTCCC	ACTGTGCCGTTGAATTTGCC
IL-6 (Mouse)	TGGAGTACCATAGCTACCTGGA	GGAGAGCATTGGAAATTGGGG
NF- κ B (Mouse)	CCCTACGGAACCTGGGCAAAT	GCGGAATCGAAATCCCCTCT
mTOR (Mouse)	ACCAACTATACCCGCTCCCT	TTGCCATCCAGACCCGTAAC
TNF- α (Mouse)	ATGGCCTCCCTCTCATCAGT	TTTGTACGACGTGGGCTAC
EGF (Mouse)	AGGAGGTCCGCTAGAGAAATG	TCTCCAAGCACTGAACCTG
HGF (Mouse)	TTTCAGCCCCGGCATCTCC	TCAGTAATGGGTCTTCCTTGGT
PGC1 α (Mouse)	ACACCGCAATTCTCCCTTGT	CGGCGCTCTTCAATTGCTTT
IHH (Mouse)	CCTCAGACCGTGACCGAAAT	CGGCCGAATGCTCAGACTTG
Hif1 α (Mouse)	TGGACTTGTCTCTTTCTCCGC	TTGACGTTCCAGAACTCATCCT
Hif2 α (Mouse)	GGAGCTACTTGGACGCTCTG	TTGCGGGGGTTGTAGATGAC
ATM (Mouse)	CGCACGTCCGAGGATTTTC	AATCCAGCCAGAAAGCGTCA
IGF1R (Mouse)	TGACACGCGGTGATCTCAAA	CACACTGCAGGTGTTTTAGCTT
TGF- β 1(Mouse)	AGCTGCGCTTGCAGAGATTA	AGCCCTGTATTCCGTCTCCT
DRP1 (Mouse)	ATTTCCAGAGCTGGAACCTGC	ACAACGTTGGGCGAGAAAAC
PPAR-gamma (Mouse)	TGACGACAAGGTGACCGGG	CACCGCTTCTTTCAAATCTTGTCTG
MFN1 (Mouse)	AGGGACGGAGTGAGTGTCC	GTTTCTGCCATTATGCACCTGGA
MFN2 (Mouse)	CCAGCTAGAAACTTCTCCTCTGT	ACTTCAGCCATGTGTCGCTT
Fis1 (Mouse)	GAGCTGGTGTCTGTGGAGGAT	TTCATATTCCTTGAGCCGGTAGTTG
TFAM (Mouse)	TCCTGAGGAAAAGCAGGCAT	CCTAACTGGTTTTCTTGGGCCT
GAPDH (Human)	TCGGAGTCAACGGATTTGGT	TCGCCCCACTTGATTTTGGGA
PGC1 α (Human)	CCCCATGGATGAAGGGTACTTT	TCTTCTTCCAGCCTTGGGGA
DRP1 (Human)	AGAAAATGGGGTGAAGCAGA	CACCTACAGGCACCTTGGTC
PPAR-gamma (Human)	TCGAGGACACCGGAGAGG	CACGGAGCTGATCCCAAAGT
MFN1 (Human)	TTACCGAGGAGGTGGCAAAC	GGTCTGAAGCACTAAGGCGT
MFN2 (Human)	CTGGTGGAGTCAACACAGTCA	AGAAGAGCAGGGACATTGCC
Fis1 (Human)	CCAAGAGCACGCAGTTTGAG	CAACCCGCGGACGTACTTTA
TFAM (Human)	CTTATAGGGCGGAGTGGCAG	CAGCTTTTCCTGCGGTGAAT

Table S2 Materials information (Primers, antibodies, agents and softwares in this study)

	Source	Identifier
Antibodies		
Rabbit polyclonal anti-ACTB	Abcam	ab8227
Rabbit polyclonal anti-Ki-67	Abcam	ab15580
Rabbit polyclonal anti- α -SMA	Abcam	ab5694
Rabbit polyclonal anti-PGC1 α	Abcam	ab188102
Reagents		
Sirius Red	Solarbio	G1471
Haematoxylin & Eosin Solution	Solarbio	G1120
Thioacetamide (TAA)	Sigma	163678
Tetrachloromethane (CCL ₄)	Aladdin	C112041
Recombinant TGF- β 1	Peprotech	100-21
Mitochondrial membrane potential assay kit with JC-1	Beyotime	C2006
Lipid Peroxidation MDA Assay Kit	Beyotime	S0131S
ATP Assay Kit	Beyotime	S0026
Apoptosis	YEASEN	40305ES20
CCK8	YEASEN	40203ES60
Software and Algorithms		
GraphPad Prism	GraphPad Software	Version 5.0.1
Adobe Photoshop CS5	Adobe	Version 12.0.3