

SUPPLEMENTARY TABLES

Supplementary Table 1. Acute hepatic injury pathology score.

Score	Pathological manifestations
0	No abnormalities
1-2	Liver structure remains intact, a few scattered hepatocyte necrosis, regional mild hepatocyte degeneration.
3-4	Lobules of liver were disorder. Less than a third of the hepatic lobule was necrotic. The necrosis in the central area of the lobule is rare, and diffuse moderate hepatocyte degeneration.
5-6	Most of the liver structures were destroyed. Moderate and severe necrotic. Lobular center and bridge necrosis are widespread.

Supplementary Table 2. Primers used in this study.

Primers	Sequence (5'-3')
Xbp1-F	GCAGCACTCAGACTACGTGCATC
Xbp1-R	GATCCAAGTTGAACAGAATGCC
Grp78-F	AGAAACTCCGGCGTGAGGTAGA
Grp78-R	TTCCTGGACAGGCTTCATGGTAG
Chop-F	GCCCTCACTCTCCAGATTCCA
Chop-R	CTGTGCCACTTTCTCTCGTTC
Atf4-F	CCTGAGCAGCGAGGTGTTGG
Atf4-R	AGCCCGCCTTAGCCTTGTC
Atf6-F	ATCAGCGGGAAGCTCAGGGAGT
Atf6-R	TTGTGGTCTTGTGTGGGTGGT
IL-6-F	TGATGGCTACTGCTTCCCTACC
IL-6-R	CCAGTGCCTCTTTGCTGTCTTC
Cxcl8-F	ATGACTTCCAAGCTGGCTGTTG
Cxcl8-R	ATGTGGGCCACTGTCAATCACT
Mmp3-F	TGATGAACAATGGACAAGCGATAC
Mmp3-R	CTAGGGTCAGCCGAGTGAAAGAG
Ccl2-F	AGGTGCTCACCCAGCCAGAT
Ccl2-R	AGCTTCTTTGGGACACTTGCTG

Vegf-F	TGCCCAAGAAATCAACCCCTA
Vegf-R	TTGCTCACAATGCCTCAGTCG
Tnf- α -F	AAGGTCAACCTACTCTCTGCCATC
Tnf- α -R	CTGAGTCGATCACCCCTTCTCCA
Per2-F	CCAGGTCACCAGATAAACACGC
Per2-R	TTGCTGATAGGATGGGCTATGC
Bmal1-F	GACAGCGAACCAGACAACGAG
Bmal1-R	CTTCCCATCTATTGCGTGCC
Nrf2-F	TGAGGATTCTTTCAGCAGCATC
Nrf2-R	GCCTTCAATAGTCCCGTCCA
Gclc-F	TGGTGTTTGTGGTGCTGCTTAC
Gclc -R	GTAGCCATCTACTACAGTGTTGCCAC
Ho-1-F	CTTCTTCACCTTCCCCAACATC
Ho-1-R	CTCCTCAAACAGCTGAATGTTTCAG
Nqo1-F	CACACTCCTATGGATGTCCGAAT
Nqo1-R	AGTCAAAGAGGCTACTTGGAGCA
Hrd1-F	TGCCGCATTGTCTCCCTCAT
Hrd1-R	TCGCATACTCAAAGCCAAACACC
Vcp-F	GGAGGTGGAAAGGCGTATTGTAT
Vcp-R	GTCAATGCTATTGGGTCTGTTGG
Os9-F	AAGCAACATCGCCTGAAACG
Os9-R	GAAATACCAGCACCCCTCGTCAC
P50-F	CAGATAGTTTTCGGTGGCGGTA
P50-R	CTTCAGAATCATTTTTTAGATGGGGT
P65-F	GAAGAACAGCGTGGGGACTATG
P65-R	TGTCAAAGATGGGATGGGAGAG
Gapdh-F	GCTGCCAAATATGACGACATCA
Gapdh -R	GTAGCCCAGGATGCCTTTGAG

Supplementary Table 3. Parameters of the short hairpin RNA (shRNA).

shRNA	Sequence (5'-3')
Sh <i>Nrf2</i> -1-S	GATCCGCAGCAGGACATTGAGCAATCAAGAGTTGCTCAATGCCTGCTGCTTTTTTG
Sh <i>Nrf2</i> -1-A	AATTCAAAAAAGCAGCAGGACATTGAGCAACTCTTGATTGCTCAATGCCTGCTGCG
Sh <i>Nrf2</i> -2-S	GATCCGTAAGAAGCCAGATATTAATCAAGAGTTAATATCTGGCTTCTTACTTTTTTG
Sh <i>Nrf2</i> -2-A	AATTCAAAAAAGTAAGAAGCCAGATATTAACTCTTGATTAATATCTGGCTTCTTACG
Scrambled shRNA-S	GATCCGATGAAATGGGTAAGTACATTCAAGAGATGTACTTACCCATTCATCTTTTTT G
Scrambled shRNA-A	AATTCAAAAAAGATGAAATGGGTAAGTACATCTCTTGAATGTACTTACCCATTCAT CG