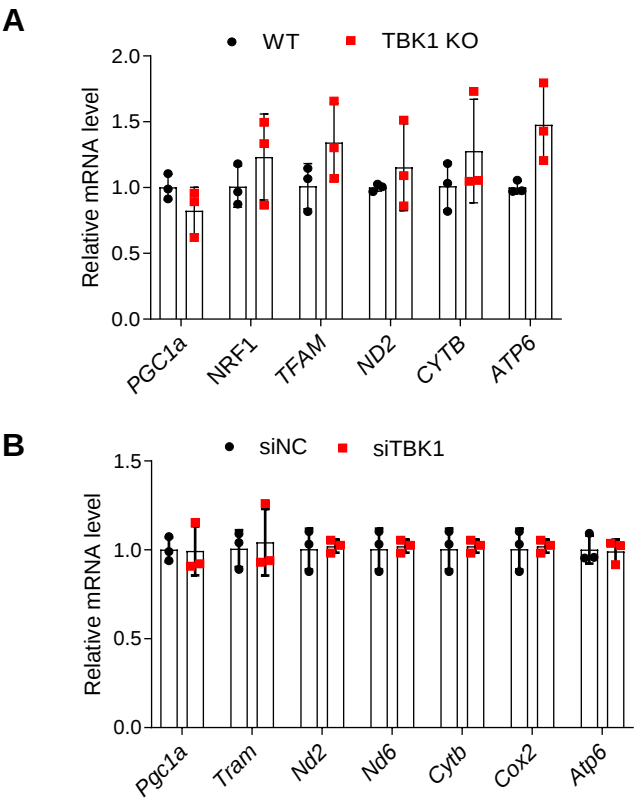
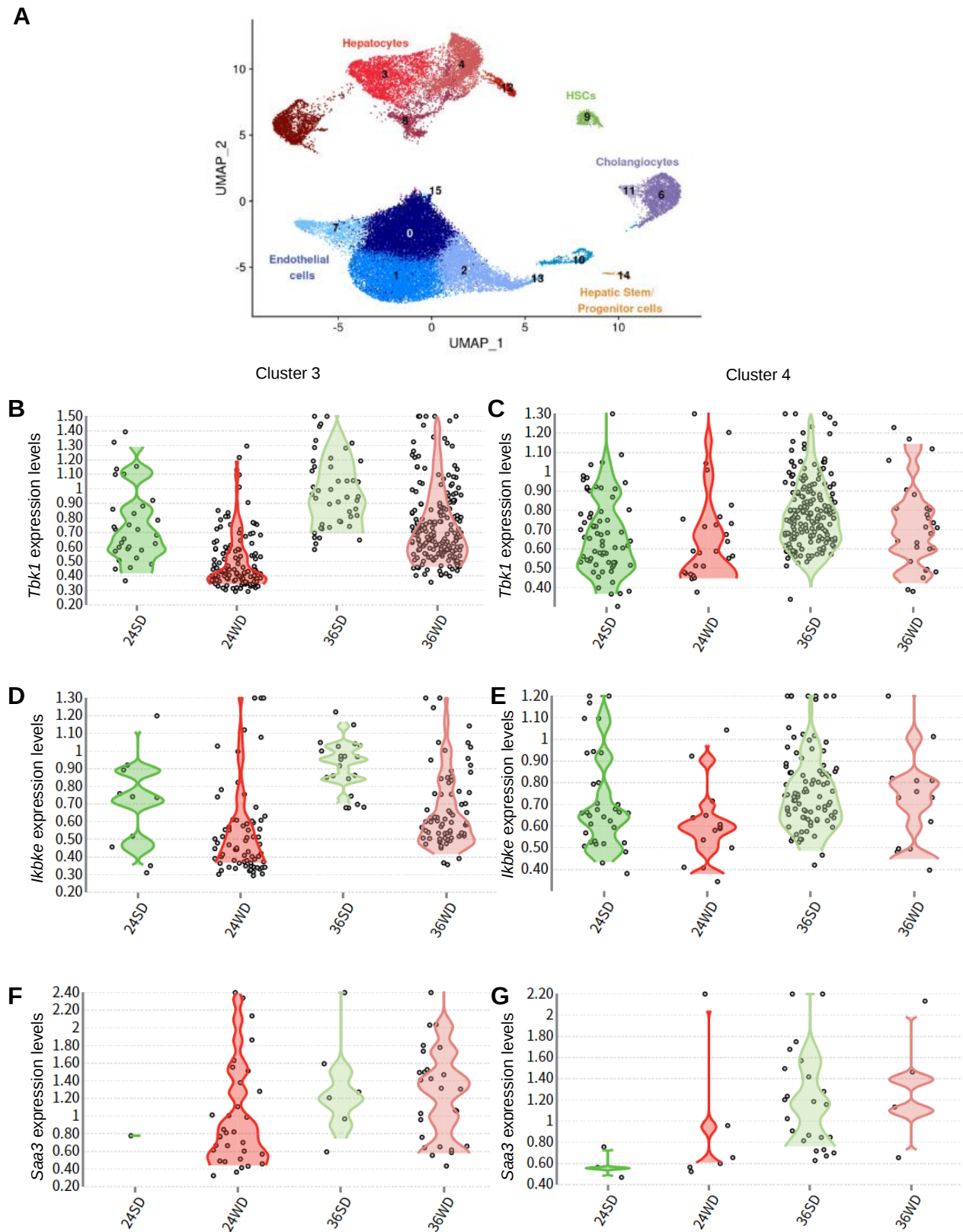


Supplementary Figure 1



Supplementary Figure 1. Mitochondrial biogenesis-related genes are not affected by TBK1 deficiency in HepG2 cells (A) or in primary hepatocytes (B).

Supplementary Figure 2



Supplementary Figure 2. TBK1 mRNA expression level in hepatocytes by using single cell RNAseq data (Liver atlas). The mice were fed standard diet or western diet for 24 weeks or 36 weeks. (A) single cell UMAP plot in this data sets. TBK1 mRNA level in two kinds of hepatocyte clusters, 3 (B) and 4 (C). Ikbke mRNA level in cluster 3(D) and cluster 4(E). Saa3 expression levels in cluster 3(F) and 4(G).

Table S1.

Gene	Forward (5'->3')	Reverse (5'->3')
<i>Mouse Atp6v1h</i>	ATGAGTACCGGTTTGCCTGG	GACTGAATGCCAGGAGCCAT
<i>Mouse Bax</i>	TGGAGATGAACTGGACAGCA	GATCAGCTCGGGCACTTTAG
<i>Mouse Bcl2</i>	AGGAGCAGGTGCCTACAAGA	GCATTTTCCCACCACTGTCT
<i>Mouse Cd11b</i>	ATGGACGCTGATGGCAATACC	TCCCCATTACAGTCTCCCA
<i>Mouse Cd11c</i>	CAAGAAGCACCGAACATGGTT	GTCTGAGCTAGAGTCACTGGT
<i>Mouse Col1a1</i>	GTGCTCCTGGTATTGCTGGT	GGCTCCTCGTTTTCTTCTT
<i>Mouse Col3a1</i>	GGGTTTCCCTGGTCCTAAAG	CCTGGTTTCCCATTTTCTCC
<i>Mouse Col6a1</i>	GATGAGGGTGAAGTGGGAGA	CAGCACGAAGAGGATGTCAA
<i>Mouse Ctsc</i>	TGCCACATCTGAGGAACAAA	CACCAGGACTCCTCTGCATT
<i>Mouse Ctsa</i>	CAGCCCTCTTTCCGGCAATA	TTTGGGTCGTTCTGCGACTC
<i>Mouse Cyclophilin</i>	GTG GTC TTT GGG AAG GTG AA	TTA CAG GAC ATT GCG AGC AG
<i>Mouse Il1b</i>	GCAACTGTTCTGAAGTCAACT	ATCTTTTGGGGTCCGTCAACT
<i>Mouse Lamp1</i>	AGCATACCGGTGTGTCAGTG	GTTGGGGAAGGTCCATCCTG
<i>Mouse Mcoln1</i>	CTGACCCCCAATCCTGGGTAT	GGCCCGGAAGTTGTCACAT
<i>Mouse Saa3</i>	AGCGATGCCAGAGAGGCTGT	ACCCAGTAGTTGCCCTCTT
<i>Mouse Tbk1</i>	ACTGGTGATCTCTATGCTGTCA	TTCTGGAAGTCCATACGCATTG
<i>Human Tbk1</i>	CGGAGACCCGGCTGGTATAA	ATCCACTGGACGAAGGAAGC
<i>Mouse Tfeb</i>	CCAGAAGCGAGAGCTCACAGAT	TGTGATTGTCTTTCTTCTGCCG

Table S1. Primer sequences for qRT-PCR

Table S2.

Gene	Forward (5'->3')	Reverse (5'->3')
Human mtDNA	GCCTTCCCCCGTAAATGATA	TTATGCGATTACCGGGCTCT
Human ATPase6	AACGAAAATCTGTTCGCTTCAT	ATGTGTTGTCGTGCAGGTAGAG
Human tRNA	CACCCAAGAACAGGGTTTGT	TGGCCATGGGTATGTTGTTA
Human β2m	TGCTGTCTCCATGTTTGATGTATCT	TCTCTGCTCCCCACCTCTAAGT
Mouse mtDNA	CCCAGCTACTACCATCATTCAAGT	GATGGTTTGGGAGATTGGTTGATGT
Mouse 16s	CCGCAAGGGAAAGATGAAAGAC	TCGTTTGGTTTCGGGGTTTC
Mouse ND1	CTAGCAGAAACAAACCGGGC	CCGGCTGCGTATTCTACGTT
Mouse HK2	GCCAGCCTCTCCTGATTTTAGTGT	GGGAACACAAAAGACCTCTTCTGG

Table S2: Primer sequences for mitochondrial DNA quantification.