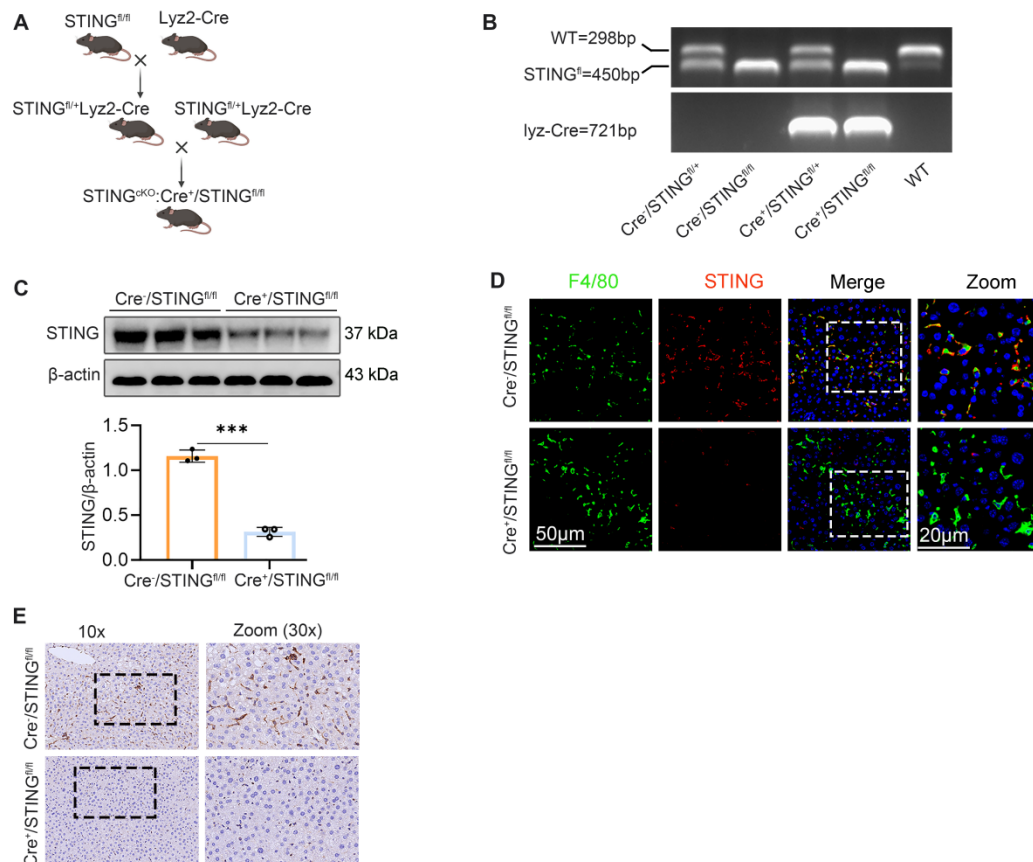
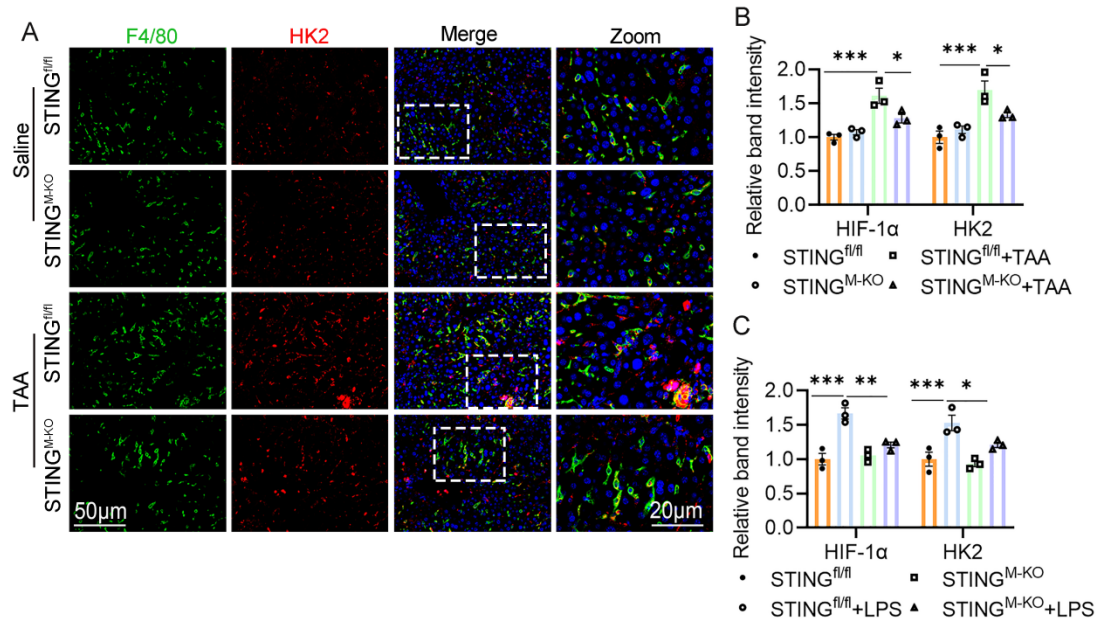


Supplementary Figure



Supplementary Figure 1. Identification of myeloid-specific STING knockout ($STING^{M-KO}$) mice

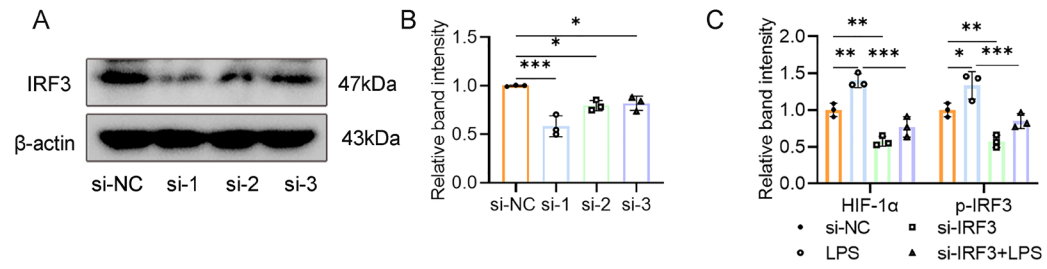
- (A) Schematic diagram for generation of conditional myeloid knockout of STING ($STING^{M-KO}$) by crossing $STING^{fl/fl}$ mice with $Lyz2-Cre$ mice.
- (B) Representative PCR image of tail genotyping.
- (C) Western blot and gray scale analysis of STING protein level in the liver tissues among different group.
- (D) Dual IF staining of STING and F4/80 to assess the STING expression in mice liver macrophages. Scale bar, 50 μ m.
- (E) IHC staining of hepatic STING. Magnification: 10x; zoom at 30x. * $p < 0.05$.



Supplementary Figure 2. HK2 and HIF-1 α expression in response to STING deletion

(A) Double IF staining of HK2 and F4/80 in mice liver sections from STING^{fl/fl}, STING^{M-KO}, STING^{fl/fl}+TAA and STING^{M-KO}+TAA groups. Scale bar, 50 μ m.

(B-C) Quantification analysis of the western blot results of HIF-1 α and HK2 both in liver tissues and in BMDMs, respectively. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$.



Supplementary Figure 3. Analysis the effect of IRF3 silencing on HIF-1α

(A-B) Representative western blot and semi-quantification of IRF3 in BMDMs after transfected with siRNA targeting IRF3 or negative control.

(B) Semi-quantification of protein levels in Fig.9(O). * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$.

Supplementary Tables

Supplementary Table 1. All primary and secondary antibodies used for WB, IF and IHC

Source	Antibody	Dilutions	Company	Item No.
Mouse	β -actin	1:10000	Proteintech	66009-1-Ig
Rabbit	p-IRF3	1:1000	Abclonal	AP0623
Rabbit	IRF3	1:1000	Abclonal	A24864
Rabbit	p-TBK1	1:2000	Abclonal	AP1026
Rabbit	TBK1	1:2000	Abclonal	A3458
Rabbit	STING	1:1000	CST	13647S
Rabbit	p-STING	1:2000	Immunoway	YP1518
Rabbit	HIF-1 α	1:1000	Immunoway	YT2133
Mouse	HK2	1:1000	Proteintech	66974-1-Ig
Rabbit	HK2	1:100	Zenbio	24552
Rabbit	PKM2	1:2000	CST	4053
Rabbit	PFKP	1:1000	Proteintech	13389-1-AP
Rabbit	α -SMA	1:1000	Abcam	ab124964
Rabbit	Col1-a1	1:2000	Absin	abs118788
Rabbit	CD86	1:1000	CST	19589
Rabbit	CD68	1:200	Abcam	ab283654
Rabbit	F4/80	1:300	Abcam	ab300421
Rabbit	Ly6g	1:100	CST	#87048
HRP-conjugated Goat anti-Rabbit IgG (H+L)		1:5000	Abclonal	AS014
HRP-conjugated Goat anti-Mouse IgG (H+L)		1:5000	Abclonal	AS003
Goat anti-Rabbit IgG H&L (Alexa Fluor® 488)		1:500	Abcam	Ab150077
Donkey anti-Rabbit IgG H&L		1:500	Abcam	ab150075

(Alexa Fluor® 647)

Goat Anti-Rabbit IgG H&L

1:500

Abcam

ab150080

(Alexa Fluor® 594)

Supplementary Table 2. All primer sequences used in RT-qPCR

Gene	Forward	Reverse
α -SMA	CCAGCTATGTGTGAAGAGGA AGA	TTGGTGATGATGCCGTGTT CTAT
Col-1a1	CCCGAGGTATGCTTGATCTGT AT	TCCCTCGACTCCTACATCTT CTG
β -actin	GGCTGTATTCCCCTCCATCG	CCAGTTGGTAACAATGCCA TGT
TNF- α	CCCTCACACTCAGATCATCTT CT	GCTACGACGTGGGCTACAG
IFN- β	CAGCTCCAAGAAAGGACGA AC	GGCAGTGTAACCTCTTCTGC AT
IL6	CCAAGAGGTGAGTGCTTCCC	CTGTTGTTTCAGACTCTCTC CCT
IL-1 β	GCAACTGTTCCCTGAACTCAA CT	ATCTTTTGGGGTCCGTCAA CT
IL-10	GCTGGACAACATACTGCTAA CC	ATTCCGATAAGGCTTGGC AA

Supplementary Table 3. ELISA kits (Elabscience, China) used to quantify the levels of inflammatory cytokines

Inflammatory cytokines	Item No.
Mouse TNF- α	E-EL-M3063
Mouse IFN- β	E-EL-M0033
Mouse IL-6	E-EL-M0044
Mouse IL-1 β	E-EL-M0037
Mouse IL-10	E-EL-M0046