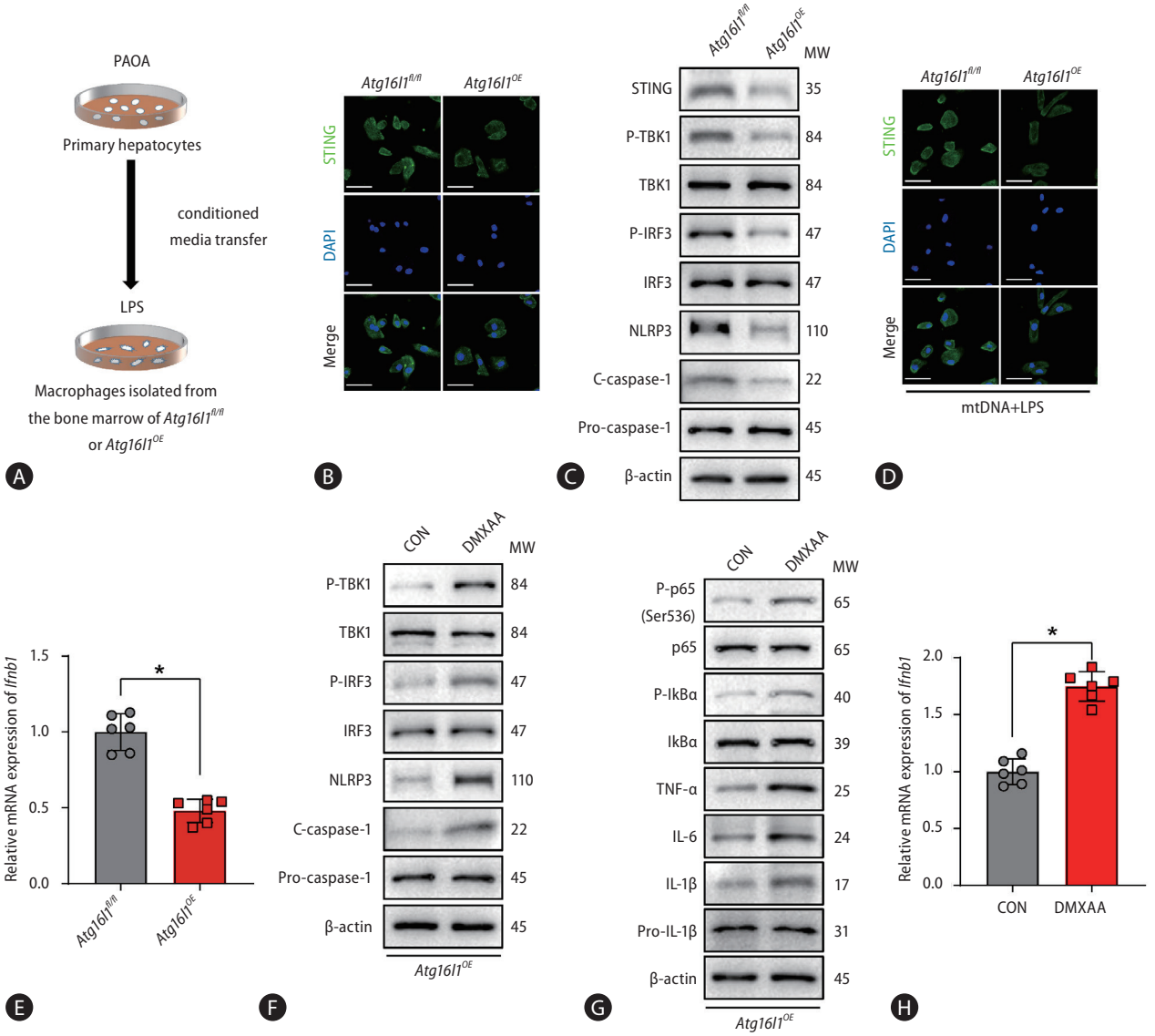

Supplementary Figure 5. Macrophage *Atg16l1* overexpression significantly inhibited STING and inflammatory signaling activation. (A) Schematic diagram showing that primary hepatocytes with or without PAOA stimulation isolated from *Atg16l1*$^{fl/fl}$ mice were cocultured with LPS-primed primary BMDMs from *Atg16l1*$^{fl/fl}$ and *Atg16l1*^{OE} mice. (B) Immunofluorescence staining for STING (green) expression in the *Atg16l1*$^{fl/fl}$ and *Atg16l1*^{OE} BMDMs. (C) The protein expression levels of STING, p-TBK1, TBK1, p-IRF3, IRF3, NLRP3, cleaved caspase-1, and pro-caspase-1 in stimulated *Atg16l1*$^{fl/fl}$ and *Atg16l1*^{OE} BMDMs were determined by Western blotting. (D) Immunofluorescence staining for STING (green) expression in the *Atg16l1*$^{fl/fl}$ and *Atg16l1*^{OE} BMDMs stimulated with mtDNA+LPS. (E) The mRNA expression level of *Ifnb1* in the *Atg16l1*$^{fl/fl}$ and *Atg16l1*^{OE} BMDMs cocultured with mtDNA+LPS. (F) The protein expression levels of p-TBK1, TBK1, p-IRF3, IRF3, NLRP3, cleaved caspase-1, and pro-caspase-1 in mtDNA+LPS-stimulated *Atg16l1*^{OE} BMDMs treated with the STING activator DMXAA were determined by Western blotting. (G) The expression levels of the inflammatory proteins p-p65 (Ser536), p65, p-IkBα, IkBα, TNF-α, IL-6, cleaved IL-1β, and pro-IL-1β in mtDNA+LPS-stimulated *Atg16l1*^{OE} BMDMs treated with the STING activator DMXAA. (H) The mRNA expression level of *Ifnb1* in mtDNA+LPS-stimulated *Atg16l1*^{OE} BMDMs treated with the STING activator DMXAA. STING, stimulator of interferon genes; PAOA, palmitic acid- and oleic acid; BMDMs, bone marrow-derived macrophages; STING, stimulator of interferon genes. The data are expressed as the mean±SD. *P<0.05 (unpaired t test or ANOVA).