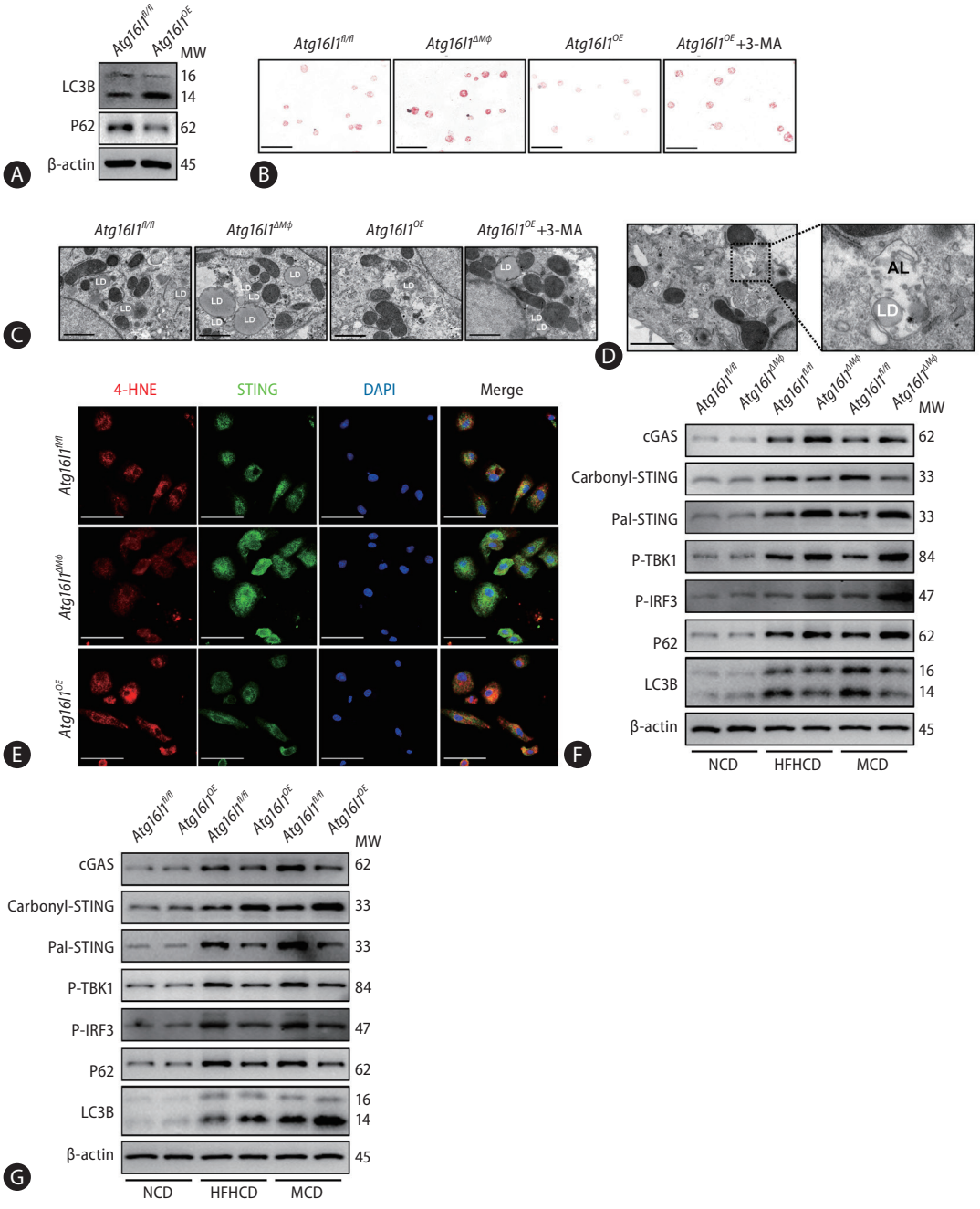

Supplementary Figure 8. Macrophage *Atg16l1* expression promotes lipophagy and inhibits STING signaling activation. (A) The protein expression levels of LC3B and P62 in LPS-primed *Atg16l1*$^{fl/fl}$ and *Atg16l1*^{OE} macrophages treated with CM from PAOA-stimulated *Atg16l1*$^{fl/fl}$ hepatocytes. (B) Oil red O staining in *Atg16l1*$^{fl/fl}$, *Atg16l1*$^{\Delta M\phi}$, and *Atg16l1*^{OE} macrophages treated with CM from PAOA-stimulated *Atg16l1*$^{fl/fl}$ hepatocytes with or without the autophagy inhibitor 3-MA. Scale bar, 50 μm. (C) *Atg16l1*$^{fl/fl}$, *Atg16l1*$^{\Delta M\phi}$, and *Atg16l1*^{OE} macrophages treated with CM from PAOA-stimulated *Atg16l1*$^{fl/fl}$ hepatocytes with or without the autophagy inhibitor 3-MA were visualized by electron microscopy. Scale bar, 2 μm. (D) Lipid droplets (LDs) digested by autophagic lysosomes (AL) were visualized by electron microscopy. (E) Images of 4-HNE (red) and STING (green) staining in the *Atg16l1*$^{fl/fl}$, *Atg16l1*$^{\Delta M\phi}$, and *Atg16l1*^{OE} BMDMs treated with CM from PAOA-stimulated hepatocytes. (F) The protein expression levels of cGAS, Carbonyl-STING, Pal-STING, P-TBK1, P-IRF3, P62, LC3B in liver tissues from *Atg16l1*$^{fl/fl}$ and *Atg16l1*$^{\Delta M\phi}$ mice fed an HFHCD or MCD were examined by Western blotting. (G) The protein expression levels of cGAS, Carbonyl-STING, Pal-STING, P-TBK1, P-IRF3, P62, LC3B in liver tissues from *Atg16l1*$^{fl/fl}$ and *Atg16l1*^{OE} mice fed an HFHCD or MCD were examined by Western blotting. ATG16L1, autophagy-related protein 16-like 1; STING, stimulator of interferon genes; PAOA, palmitic acid- and oleic acid; CM, conditioned media; BMDMs, bone marrow-derived macrophages; HFHCD, high-fat and high-cholesterol diet; MCD, methionine- and choline-deficient diet.