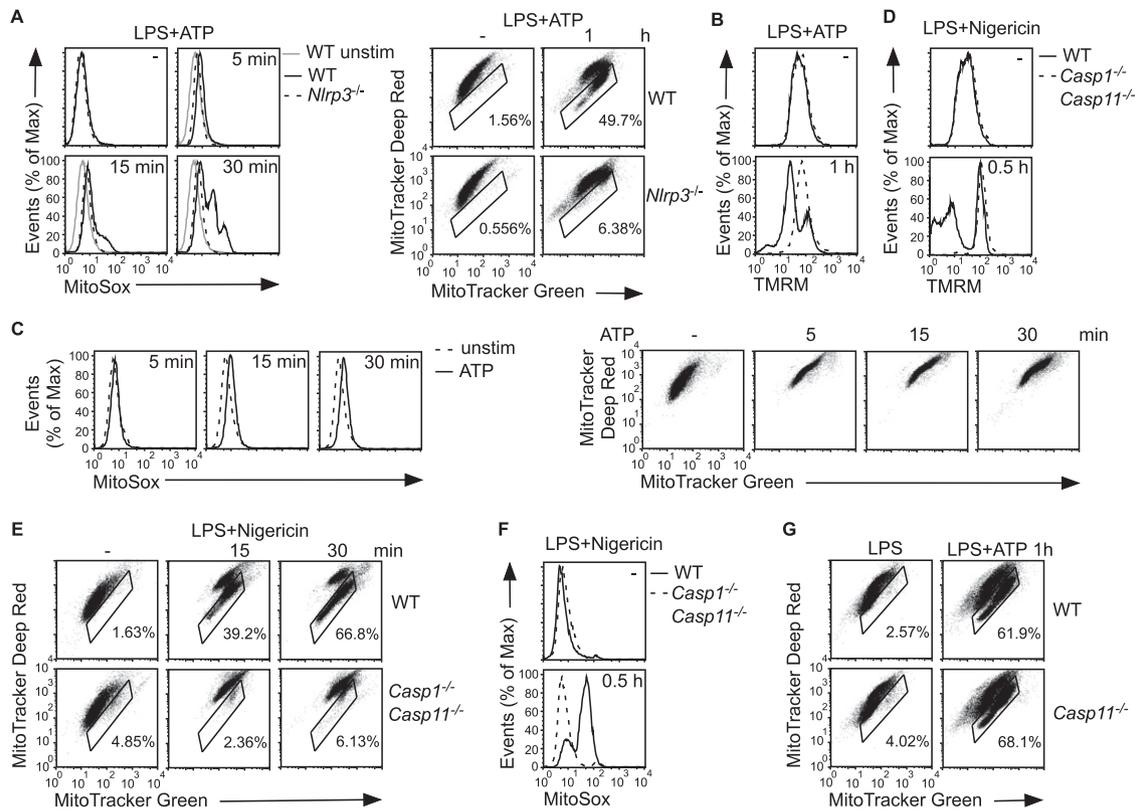


# Supporting Information

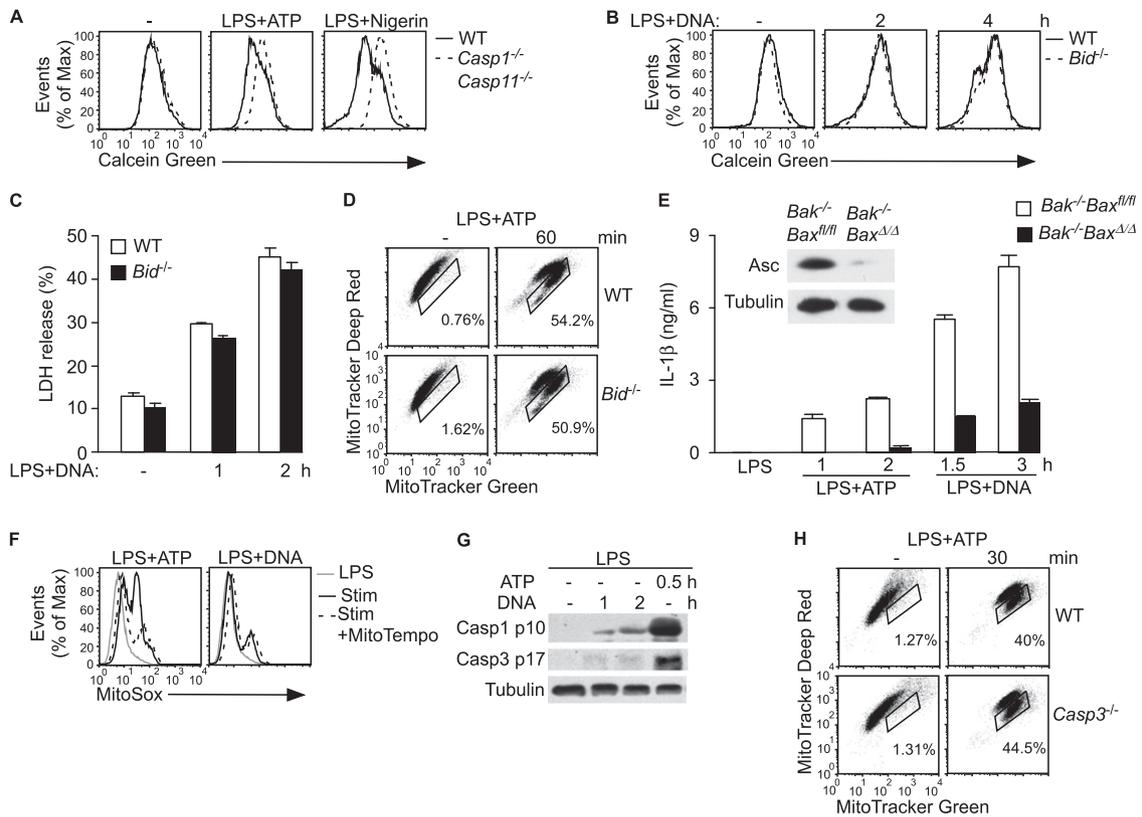
Yu et al. 10.1073/pnas.1414859111



**Fig. S1.** The NLRP3 inflammasome amplifies mitochondrial damage. (A) WT and *Nlrp3*<sup>-/-</sup> BMDMs were stimulated as indicated, followed by MitoSox (Left) or Mitotracker Green and Deep Red (Right) staining. (B) WT and *Casp1*<sup>-/-</sup> *Casp11*<sup>-/-</sup> BMDMs stimulated as indicated were examined by TMRM staining. (C) WT BMDMs were stimulated with ATP followed by MitoSox (Left) or Mitotracker Green and Deep Red staining (Right). (D–F) WT and *Casp1*<sup>-/-</sup> *Casp11*<sup>-/-</sup> BMDMs were stimulated as indicated followed by TMRM (D), Mitotracker Green and Deep Red (E), and MitoSox (F) staining. (G) WT and *Casp11*<sup>-/-</sup> BMDMs stimulated as indicated were examined by Mitotracker Green and Deep Red staining.







**Fig. S6.** Role of Bid in inflammasome-mediated mitochondrial damage. (A) WT and *Casp1<sup>-/-</sup>Casp11<sup>-/-</sup>* BMDMs were stimulated as indicated, followed by analysis in calcein green quenching assay. (B–D) WT and *Bid<sup>-/-</sup>* BMDMs were stimulated as indicated, followed by analysis in calcein green quenching (B), LDH release assay (C), and Mitotracker Green and Deep Red staining (D). (E) *Bak<sup>-/-</sup>Bax<sup>fl/fl</sup>* and *Bak<sup>-/-</sup>Bax<sup>ΔΔ</sup>* macrophage cell lines were examined by Western blotting of whole-cell lysates with  $\alpha$ -Asc antibody (Upper) or IL-1 $\beta$  ELISA of culture free supernatants (Lower). (F) Analysis of MitoSox staining in WT BMDMs stimulated as indicated  $\pm$  MitoTempo cotreatment. (G) WT BMDMs were stimulated as indicated followed by analysis of Caspase-1 and Caspase-3 processing to the active subunits. (H) WT and *Casp3<sup>-/-</sup>* BMDMs were stimulated as indicated and analyzed by Mitotracker Green and Deep Red staining.



