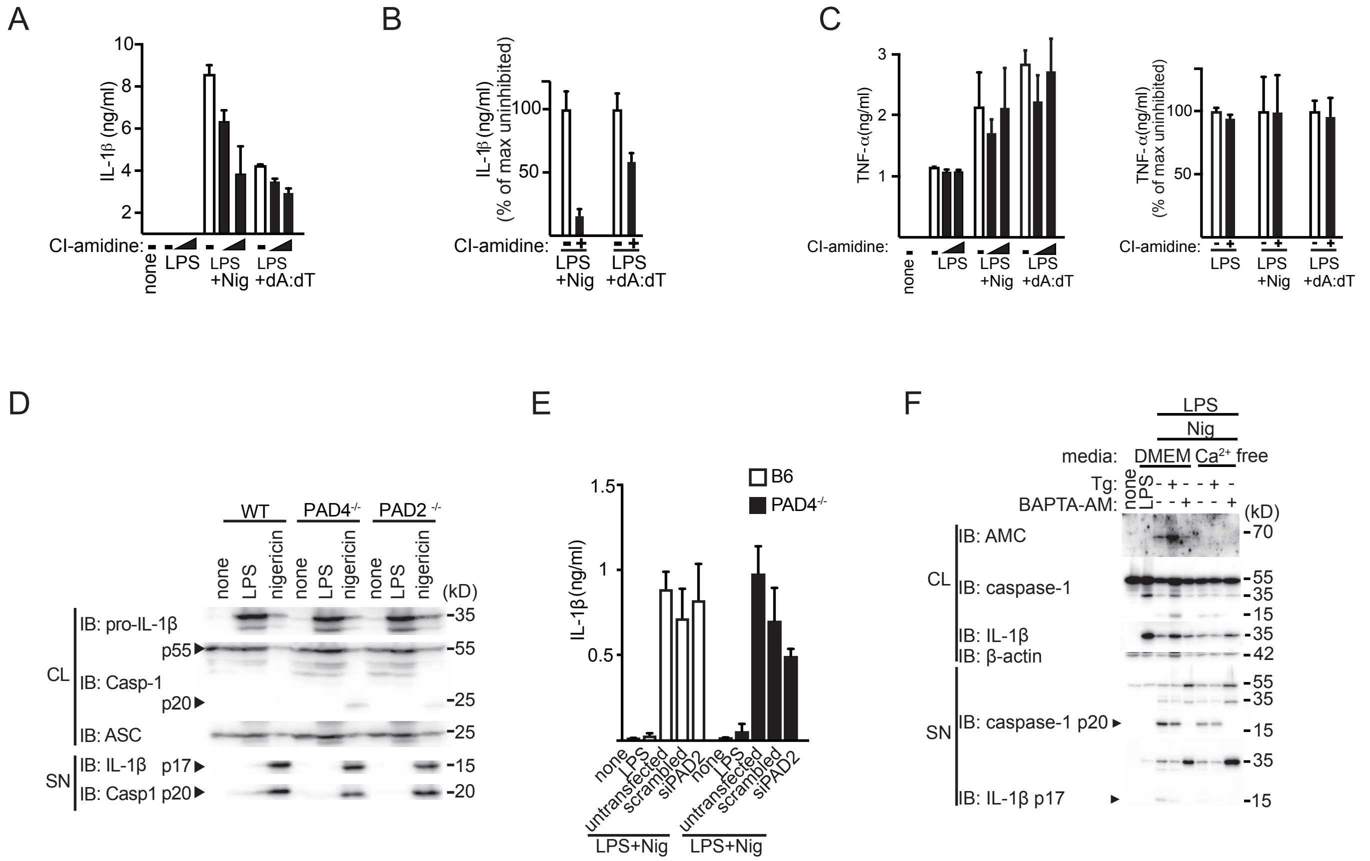
Supplemental Figure 2



Supplemental Figure 2. Effect of PAD enzyme inhibition for NLRP3 and AIM2 inflammasome activation:

(A) ELISA for IL-1β from SN of NLRP3 and AIM2 activated BMDMs in presence of PAD inhibitor as indicated. The bar graphs in (B) show the effect of Cl- amidine (200μM) on IL-1β production in % of the uninhibited condition (pooled data of 5 mice, mean ± SEM of duplicate samples). (C) ELISA for TNF-α from SNs of BMDMs stimulated as in (A). (D) Immunoblot for IL-1β, caspase-1 and ASC from CL and SNs of LPS primed BMDMs of WT, PAD2$^{-/-}$ or PAD4$^{-/-}$ (all FVB background) treated with the indicated NLRP3 stimuli. (E) ELISA of IL-1β from SNs of PAD2 siRNA transfected WT and PAD4$^{-/-}$ BMDMs stimulated with LPS and nigericin (wt n=6, PAD4$^{-/-}$ n=2, data pooled from 2 independent experiments (mean ± SEM for duplicate samples). (F) Immunoblot for IL-1β, caspase-1 and ASC from CL and SN of BMDMs stimulated with LPS and nigericin alone or in the presence of thapsigargin or BAPTA-AM. BMDMs were stimulated in the presence or absence of extracellular calcium as indicated. The data is representative of two independent experiments.