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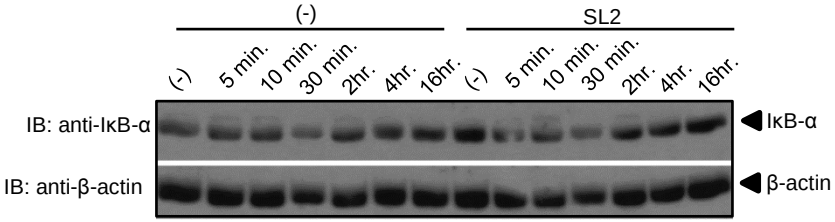

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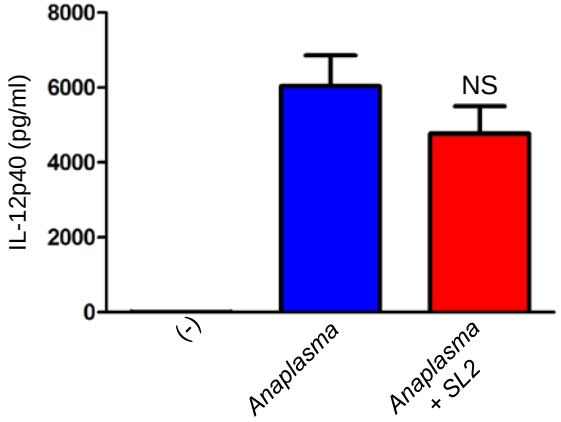

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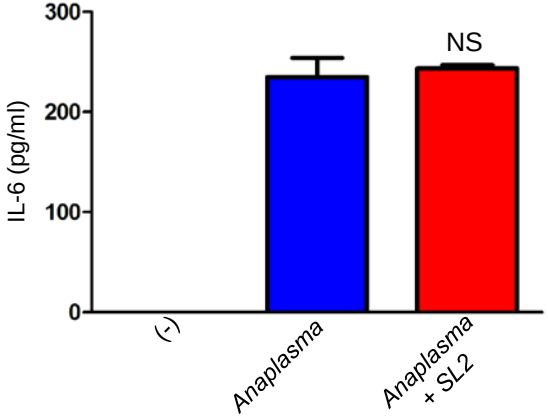
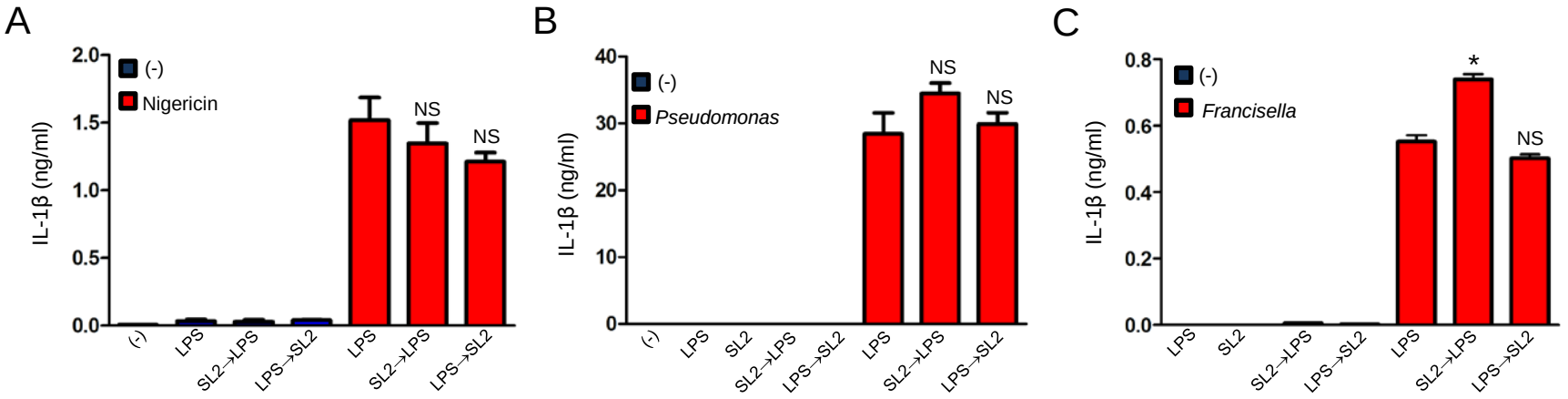
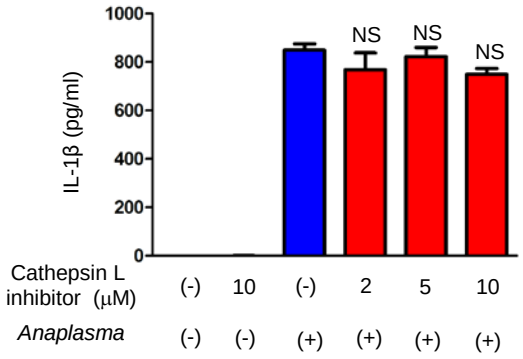


Chen *et al*., 2014 – Figure S1



Chen *et al*., 2014 – Figure S2

A



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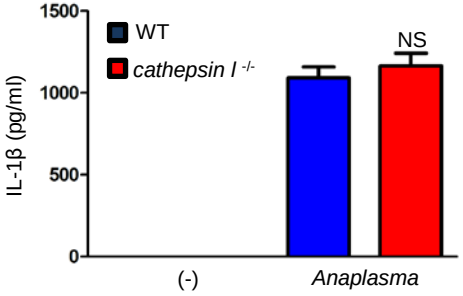

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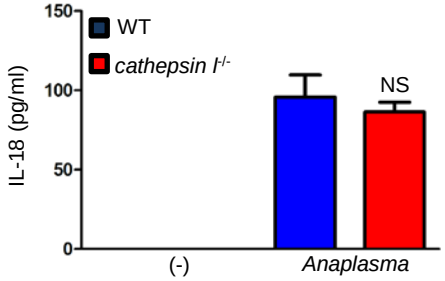

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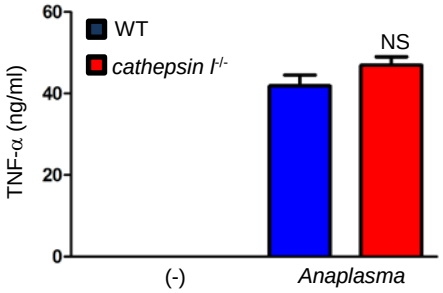

Chen *et al*., 2014 – Figure S3

Supplemental Figure Legends

Figure S1: Sialostatin L2 does not mitigate NF-κB signaling in macrophages during *A. phagocytophilum* stimulation. BMDMs ($1x10^6$) were stimulated with *A. phagocytophilum* (MOI 50) in the presence or absence of sialostatin L2 (SL2 - 3 μM). (A) IκB-α was measured by western blot (IB) at the indicated time points. β-actin was used as a loading control. (B) IL-12p40 and (C) IL-6 were measured by ELISA. Cytokine measurements were taken in triplicate and presented as mean ± SEM. These experiments were repeated twice. Student's t test. (-) non-stimulated cells. NS – not significant.

Figure S2: Sialostatin L2 does not hinder IL-1β secretion mediated by known NLRP3, NLRC4 and AIM2 agonists. BMDMs ($8x\ 10^5$) were stimulated with (A) nigericin (10 μM) (B) *P. aeruginosa* PAK (MOI 10) or (C) *F. tularensis* LVS (MOI 50) for 9 hours in the presence or absence of sialostatin L2 (SL2 - 3 μM) for 30 minutes either prior to or immediately after priming with LPS (50 ηg/ml). IL-1β secretion in the supernatants was assessed by ELISA. Experiments represent mean ± SEM performed in triplicate and were repeated twice. $*P < .05$, ANOVA (post-hoc Bonferroni). (-) non-stimulated cells. NS – not significant.

Figure S3: Cathepsin L does not affect caspase-1 maturation during *A. phagocytophilum* stimulation. BMDMs ($1x\ 10^6$) were pretreated with the indicated concentrations of the cathepsin L inhibitor for 30 minutes and stimulated with *A. phagocytophilum* (MOI 50) for 18 hours. (A) IL-1β was measured by ELISA. (B-D) BMDMs ($1x\ 10^6$) from C57BL/6 (WT) and *cathepsin* $l^{-/-}$ mice were stimulated with *A. phagocytophilum* (MOI 50) for 18 hours. (B) IL-1β, (C) IL-18 and (D) TNF-α were measured by ELISA. Cytokine measurements were taken in triplicate and

presented as mean ± SEM. These experiments were repeated twice. *$P < .05$, (A) ANOVA (post-hoc Bonferroni); (B-D) Student's t test. (-) non-stimulated cells. NS – not significant.