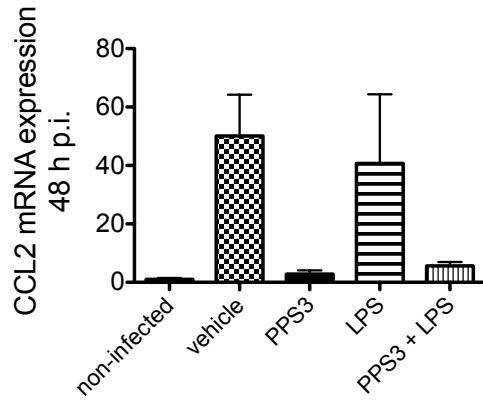
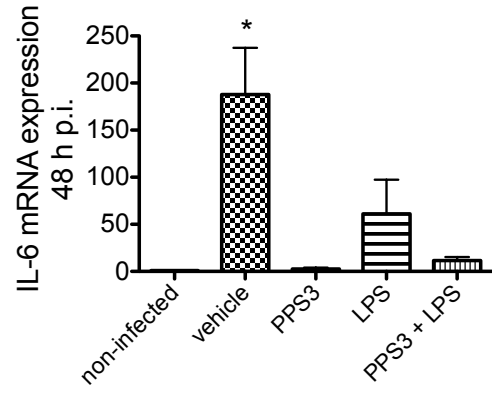


SUPPLEMENTARY FIGURE 1.

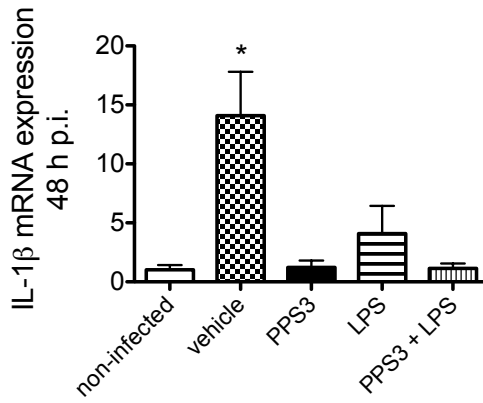
A



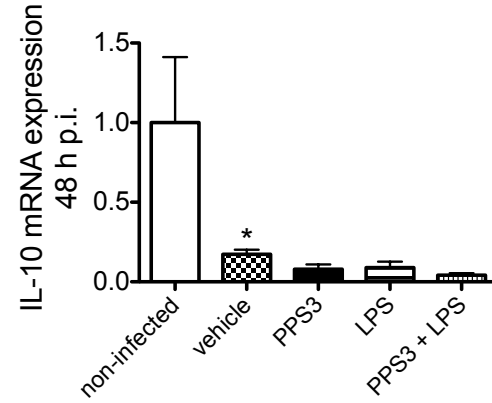
B



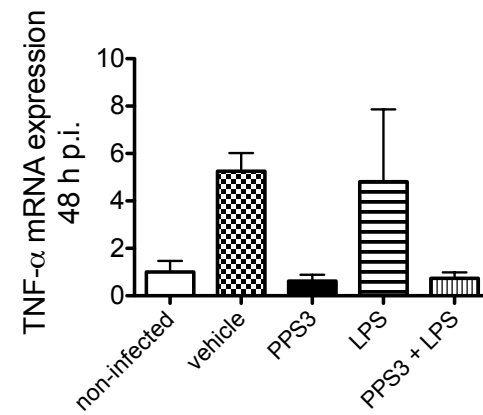
C



D



E



SF 1. Lung proinflammatory cytokine expression at 48 h p.i. in mice inoculated with a lower infectious dose (5×10^3 CFU) of *S. pneumoniae* ST 3. Mice ($n = 4$ per group) were immunized with vehicle (PBS) or PPS3 + LPS 5 days prior to inoculation. Lung mRNA expression of (A) CCL2, (B) IL-6, (C) IL-1 β , (D) IL-10, and (E) TNF- α was assessed by Q-PCR. Results were analyzed by $\Delta\Delta$ CT method and expression levels are shown as fold change in comparison to baseline non-infected values ($n = 5$). An asterisk denotes a P -value < 0.05 as determined by one-way ANOVA with Tukey's post-hoc test in comparison to infected controls.