



Supplementary information, Figure S6 Depletion of LasR alters TLR4-related host defense in mice and macrophages. Mice infected with 5×10^6 CFU/mouse with PA14 WT and $\Delta lasR$ mutant, respectively. **(A)** After 24 h infection, inflammatory cytokines in mouse BAL fluid were assessed by ELISA. **(B)** Expression of inflammatory cytokines in MH-S cells was detected by immunoblotting. **(C)** Expression of TLR4, NF- κ B and p-NF- κ B in PA14 WT-, and $\Delta lasR$ mutant-infected mouse lungs were detected by immunoblotting. **(D)** Phagocytosis of MH-S cells infected with PA14 WT and $\Delta lasR$ mutant measured by CFU count assay. These data are present of three independent experiments and are shown as means \pm SEM (n=3, one-way ANOVA with Tukey's post hoc; * $p \leq 0.05$; ** $p \leq 0.005$).