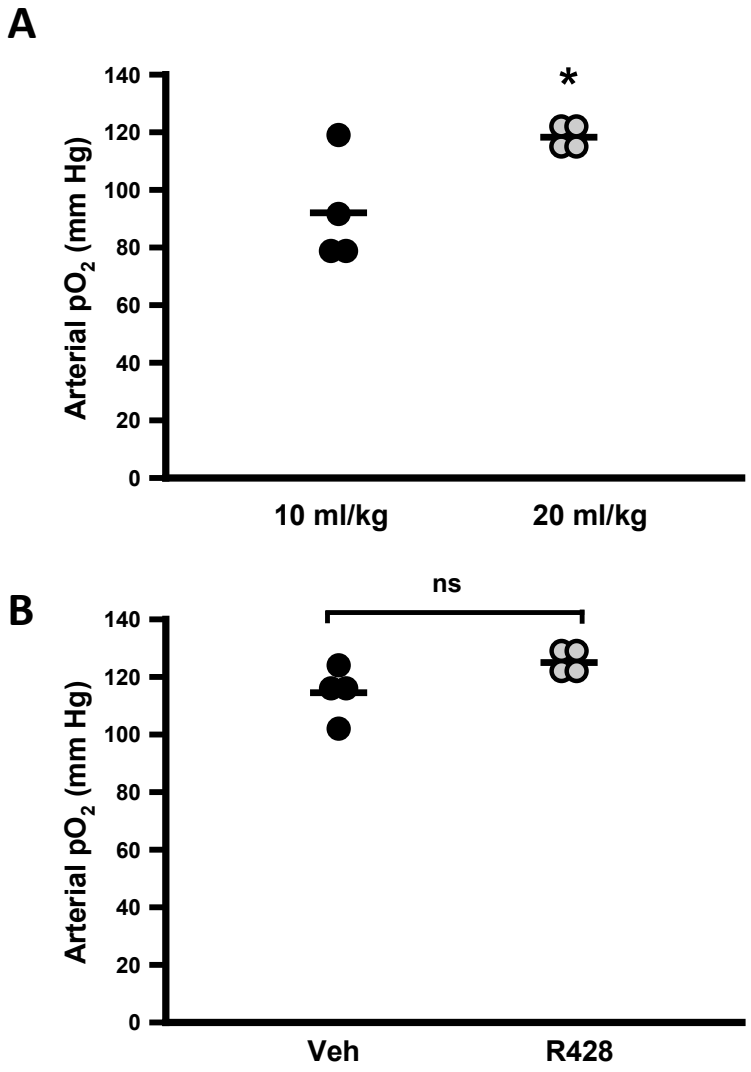
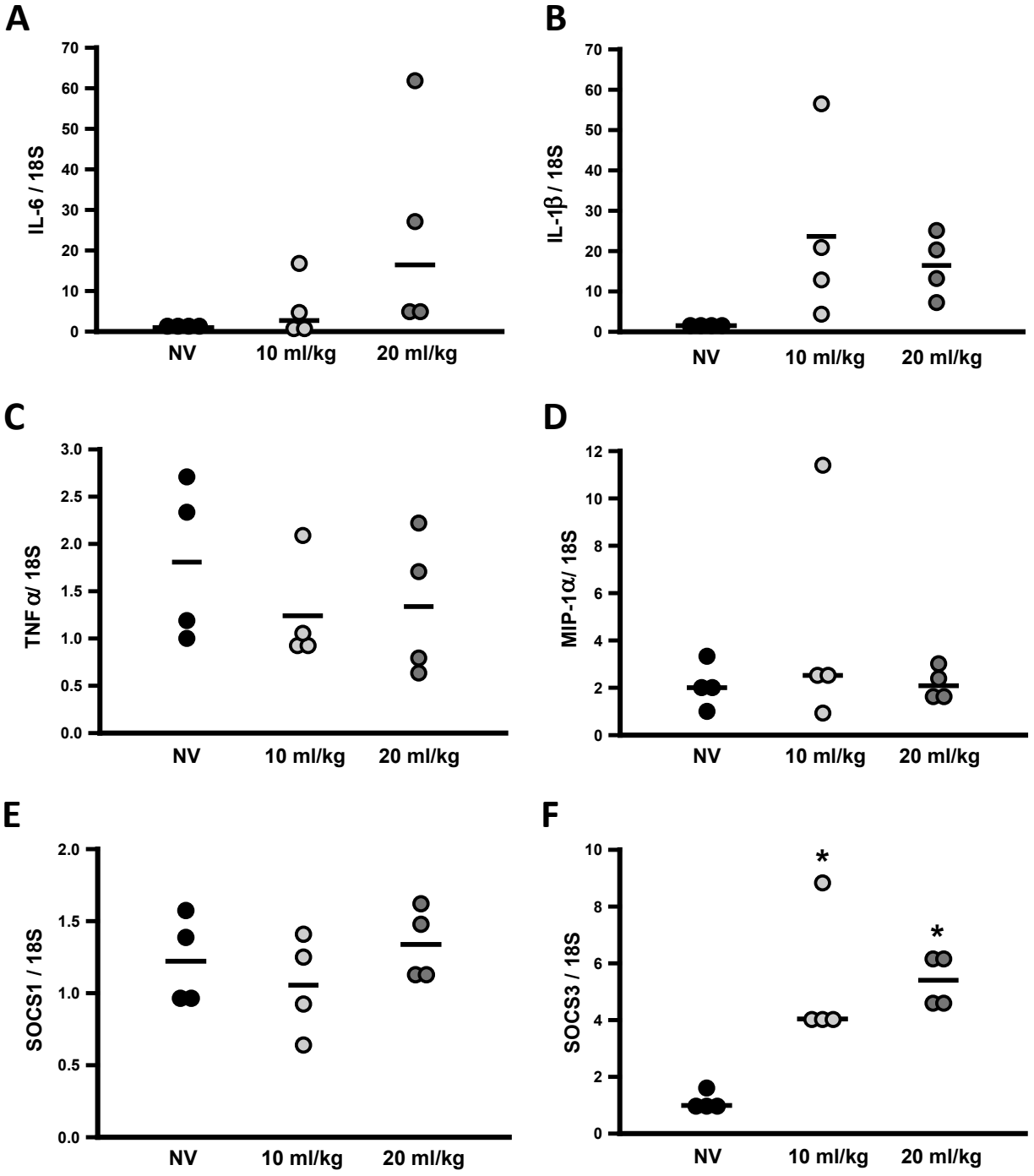
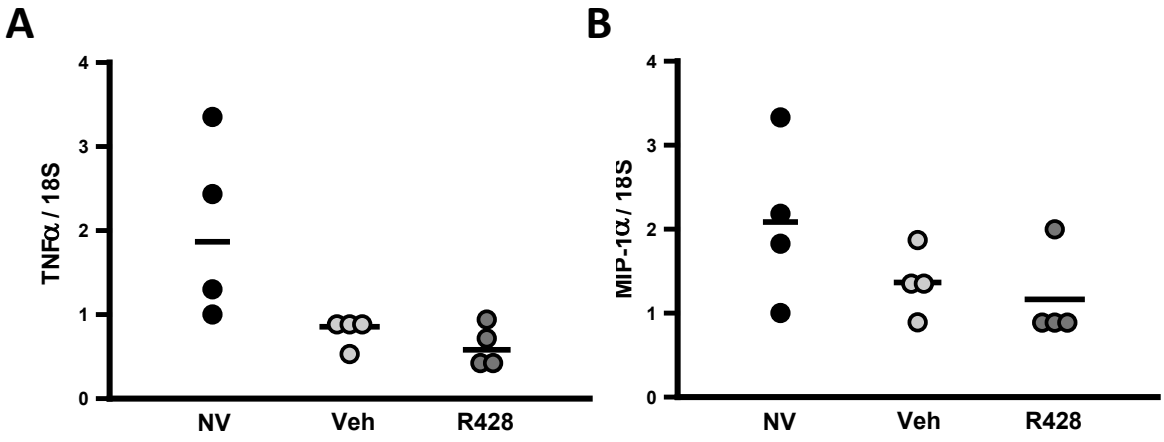


Supplementary Figure S1. Inhibition of Axl with R428 did not worsen lung injury in murine VILI. (A) Mice ventilated with high V_T (20 mL/kg) for 4 h exhibit good oxygenation. (*P<0.05 vs 10 mL/kg, t-test, N=4/group). (B) Inhibition of Axl with R428 does not result in impaired arterial oxygenation (ns = not significant, t-test, N=4/group). Veh, Vehicle, VT, tidal volume.



Supplementary Figure S2. Expression of Cytokines and SOCS mRNAs in Ventilated Mouse Lung. Mechanical ventilation trended to increase IL-6 and IL-1β but did not reach significance compared to NV mice (A, ANOVA on RANKS; B, one-way ANOVA, N=4/group); TNFα and MIP1α expression were not affected (C, one-way ANOVA; D, ANOVA on RANKS, N=4/group). SOCS1 mRNA expression was not altered by mechanical ventilation (E, one-way ANOVA, N=4/group), however SOCS3 was induced by both low and high V_T (F, ANOVA on RANKS, N=4/group). IL, Interleukin; MIP, Macrophage Inflammatory Protein; NV, Non-Ventilated; SOCS, Suppressor of Cytokine Signaling; TNF, Tumor Necrosis Factor.



Supplementary Figure S3. Ventilation, Axl Inhibition, and Expression of Cytokines. In ventilated murine lungs, Axl blockade with R428 had no significant effect on TNFα or MIP-1α expression (A, ANOVA on RANKS, N=4/group; B, ANOVA, N=4/group). ; MIP, Macrophage Inflammatory Protein; NV, Non-Ventilated; TNF, Tumor Necrosis Factor; Veh, Vehicle.