



Figure S1: PR8 virus pre-incubated with purified recombinant CD66c causes lower inflammatory response in mice lung. Figure shows histopathological analysis of lung tissues of mice infected with A/PR8/34 influenza virus. Images shown in the figure are lung tissues of sacrificed animals, preserved in formalin, embedded in paraffin and sectioned into serial 4- $\mu$ m sections. The figure shows images of infected tissues stained with hematoxylin & eosin dye (H&E) captured at 20X magnification. The representative images of mice from different experimental animal groups are — (a) the lung tissues from mice infected with A/PR8/34 virus pre-incubated with CD66c that showed a mild alveolitis and slight hemorrhage (indicated with arrow). (b) H&E stained lung tissues from mice infected with A/PR8/34 virus, showing significant alveolitis and extensive intra-alveolar hemorrhage (marked by arrow). (c) H&E stained lung tissues from mice infected with A/PR8/34 virus pre-incubated with BSA (as a mock protein control), showing alveolitis and intra-alveolar hemorrhage (marked by arrow). (d) Lung tissues from uninfected mice showing no sign of alveolitis.