Supplementary Materials

SARS-CoV-2 infection causes heightened disease severity and mortality in a mouse model of Down syndrome

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Supplementary Figures S1-S2

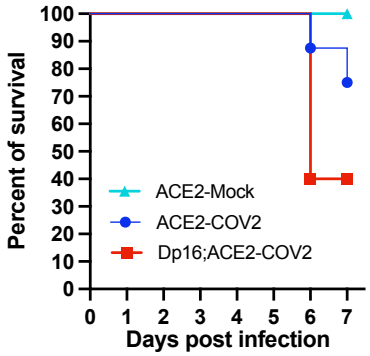

Fig. S1. Percent of survival of ACE2 and Dp16;ACE2 mice following SARS-CoV-2 infection. ACE2 and Dp16;ACE2 mice were infected intranasally with SARS-CoV-2 (COV2) at 2.5 × 10^4 PFU per mouse or mock-infected (mock) as control. The experiment was terminated on day 7 p.i. n = 4, 8, and 5 for ACE2-Mock, ACE2-COV2, and Dp16;ACE2, respectively.

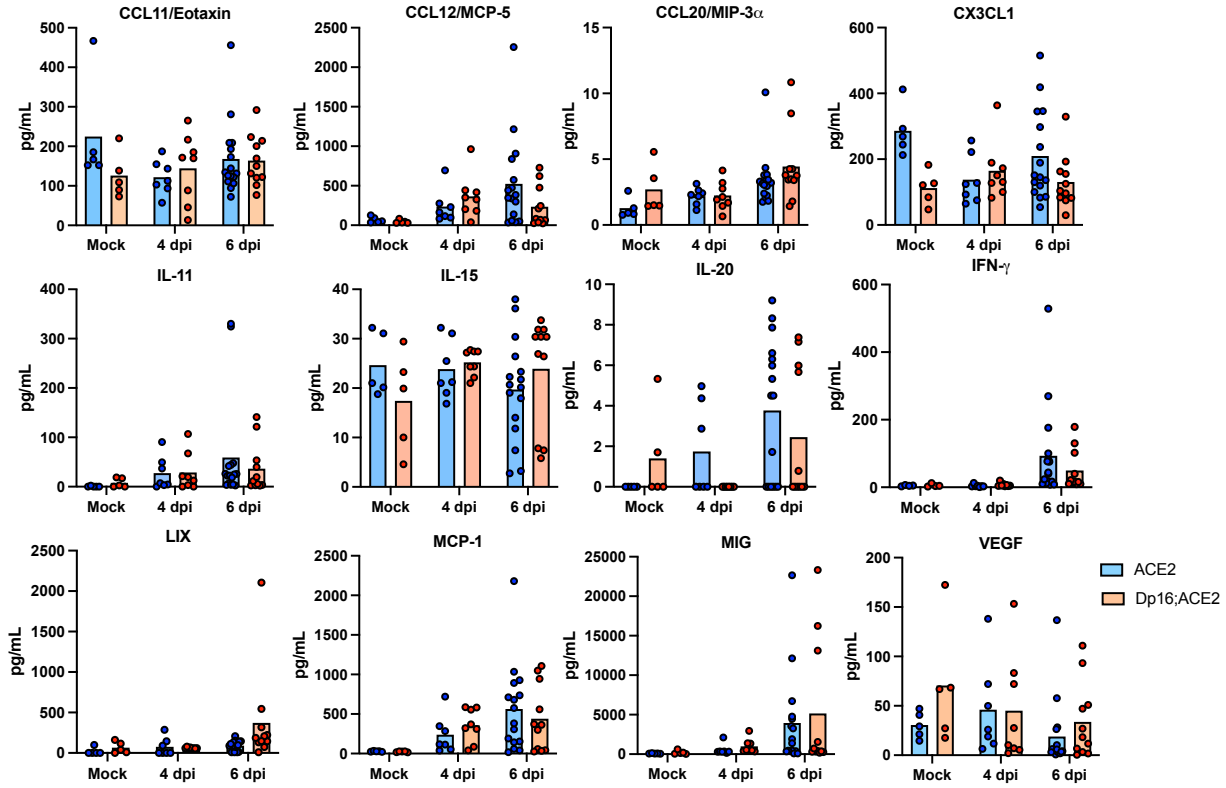

Fig. S2. Additional chemokine and cytokine responses to SARS-CoV-2 infection in the lungs of ACE2 and Dp16;ACE2 mice. Flow cytometric beads array analysis was carried out to determine the amount of cytokine and chemokine proteins in lung homogenates from ACE2 and Dp16;ACE2 mice following mock infection (Mock) or intranasal infection with SARS-CoV-2 at 2.5 × 10^4 PFU at 4 dpi and 6 dpi (4 independent experiments; n = 5, 7, and 16 for mock, 4 dpi and 6 dpi, respectively, for ACE2 mice; n = 5, 8, and 11 for mock, 4 dpi and 6 dpi, respectively, for Dp16;ACE2 mice).