



Supplementary information, Fig. S6: Representative histopathological changes in lung tissues of SARS-CoV-2-infected Syrian golden hamsters.

a Scanning images of whole lung tissue sections by H&E staining. A representative image from uninfected Syrian golden hamsters ($n = 4$), and SARS-CoV-2-infected Syrian golden hamsters vaccinated with HR121 plus CFA/IFA ($n = 6$), vaccinated with CFA/IFA ($n = 6$) and PBS ($n = 6$). **b** Nucleocapsid protein of SARS-CoV-2 immunostaining. In the hamsters immunized with HR121, no nucleocapsid proteins were detected after SARS-CoV-2 challenge, just as in uninfected hamsters. Meanwhile, in the groups of CFA/IFA and PBS controls, more stained nucleocapsid proteins were detected around bronchial epithelial cells (black arrow). A representative photograph of each group ($n = 3$) is presented.