## Supplementary information, Fig. S7



## Fig. S7 Cryo-EM data processing of the Omicron BA.1 spike protein-mACE2 complex.

(a) A representative cryo-EM micrograph of Omicron BA.1 ECD-mACE2 complex with 50 nm scale bar included as a size reference. (b) Computational processing of cryo-EM data. (c) Twenty representative reference-free two-dimensional (2D) cryo-EM class averages reveal the mACE2 density (yellow arrow). (d) Local resolution of sub-reconstructions of RBD-mACE2 (left panel) and resolution bar is shown in the right panel. (e)The FSC curves for the reconstructions. Color scheme: BA.1 RBD-mACE2, black; BA.1 ECD trimer-mACE2, red; BA.1 ECD-trimer-2mACE2, green. The resolution of the reconstructions using the Fourier shell cutoff at 0.143 is shown. (f-g) The EM maps of Omicron BA.1 ECD trimer bound to 1 mACE2 (f), 2 mACE2 (g).