

Supplementary information, Fig. S5

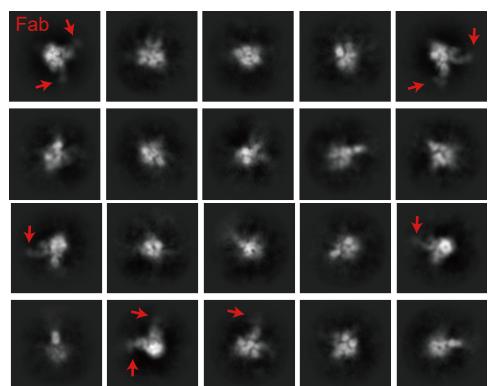
a



b

Micrographs (22,686 movies)
Motion correction (MOTIONCOR2)
CTF estimation (CTFFIND4)
Autopick (4,623,613 particles)
2D classification (819,158 particles)

c



Hetero Refinement



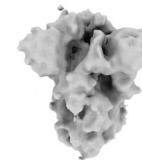
Class 1
(163,662 particles)



Class 2
(370,074 particles)



Class 3
(135,790 particles)



Class 4
(149,632 particles)



Class 1
(21,768 particles)

Hetero Refinement

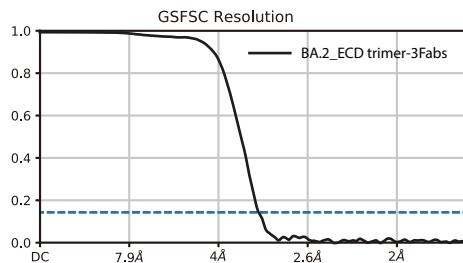


Class 2
(348,306 particles)



Class 2
(21,504 particles)

d



Refinement (3.27 Å)

e



f

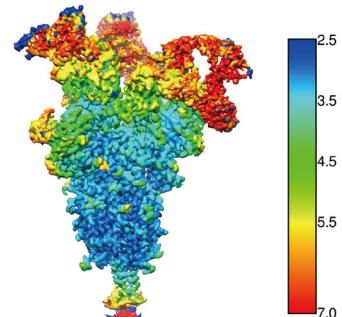


Fig. S5. Cryo-EM data processing of the Omicron BA.2 ECD-Fab complex.

(a) A representative cryo-EM micrograph of Omicron BA.2 ECD-Fab 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 Fab density (red arrow). (d) The FSC curves for the reconstructions. (e) The EM maps of Omicron BA.2 ECD trimer-3Fabs in two front views. (f) Local resolution of sub-reconstructions of BA.2 ECD trimer-3Fabs (left panel) and resolution bar is shown in the right panel.