

Table S1 – Cryo-EM data collection, processing, model refinement and validation – related to Figures 1, S2 and S3

	A/New Caledonia/20/99 + 310- 39G10 Fab	A/New Caledonia/20/99 + 310- 63E6 Fab
Microscope	Talos Arctica	Talos Arctica
Voltage (kV)	200	200
Detector	Gatan K2 Summit	Gatan K2 Summit
Recording mode	Counting	Counting
Magnification	36,000	36,000
Movie micrograph pixel size	1.15	1.15
No. of frames per movie micrograph	36	36
Frame exposure (ms)	250	250
Movie micrograph exposure time (s)	9.02	9.02
Total dose (e-/Å ²)	49.88	49.88
Grid type	UltrAuFoil R 1.2/1.3	UltrAuFoil R 1.2/1.3
focus range (um)	-0.7 - 1.4	-0.6 - 1.3
Number of movie micrographs	853	958
Number of particles picked	323,979	590,972
Number of particles after 2D classification	219,060	204,274
Particles in the final map	135,198	123,683
Map symmetry	C3	C3
Map sharpening B-factor	-49.18	-52.67
Map resolution (Å)	3.37	3.09
EMDB ID	EMD-25040	EMD-25039
Residues	2,175	2,160
Amino acids	2,157	2,145
Carbohydrates	18	15
RMSD Bonds (4σ)	0.021	0.021
RMSD Angles (4σ)	1.711	1.775
Ramachandran		
Outliers (%)	0	0
Allowed (%)	1.41	1.56
Favored (%)	98.59	98.44
Rotamer outliers (%)	0	0
Clash score	0.98	1.43
Molprobit score	0.79	0.88
EMRinger score	3.79	4.67
PDB ID	7SCO	7SCN