Full wwPDB EM Validation Report (i)

Nov 21, 2022 – 01:04 AM EST

EMDB ID	:	EMD-25853
Title	:	Cryo-EM structure of SARS-CoV-2 Delta (B.1.617.2) spike protein in complex with human ACE2 (focused refinement of RBD and ACE2)
Authors	:	Zhu, X.; Saville, J.W.; Mannar, D.; Srivastava, S.S.; Berezuk, A.M.; Demers, J.P.; Zhou, S.; Tuttle, K.S.; Subramaniam, S.
Deposited on	:	2022-01-06
Resolution	:	3.52 Å(reported)

This is a Full wwPDB EM Validation Report for a publicly released PDB entry.

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/EMMapValidationReportHelp
with specific help available everywhere you see the (i) symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

The following versions of software and data (see references (1)) were used in the production of this report:

EMDB validation analysis	:	0.0.1.dev43
Validation Pipeline (wwPDB-VP)	:	2.31.3

1 Experimental information (i)

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	Not Provided	
Number of particles used	97827	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	
Microscope	TFS KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	40.0	Depositor
Minimum defocus (nm)	0.5	Depositor
Maximum defocus (nm)	3.0	Depositor
Magnification	Not provided	
Image detector	FEI FALCON IV (4k x 4k)	Depositor

2 Map visualisation (i)

This section contains visualisations of the EMDB entry EMD-25853. These allow visual inspection of the internal detail of the map and identification of artifacts.

No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

2.1 Orthogonal projections (i)

This section was not generated.

2.2 Central slices (i)

This section was not generated.

2.3 Largest variance slices (i)

This section was not generated.

2.4 Orthogonal surface views (i)

This section was not generated.

2.5 Mask visualisation (i)

This section was not generated. No masks/segmentation were deposited.

3 Map analysis (i)

This section contains the results of statistical analysis of the map.

3.1 Map-value distribution (i)

This section was not generated.

3.2 Volume estimate versus contour level (i)

This section was not generated.

3.3 Rotationally averaged power spectrum (i)

This section was not generated. The rotationally averaged power spectrum had issues being displayed.

4 Fourier-Shell correlation (i)

This section was not generated. No FSC curve or half-maps provided.