



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 01:18 pm GMT

EMDB ID : EMD-7580  
Title : SARS spike glycoprotein, trypsin-cleaved, stabilized variant, three S1 CTDs in an upwards conformation  
Authors : , Kirchdoerfer.RN.; , Wang.N.; , Pallesen.J.; , Turner.HL.; , Cottrell.CA.; , McLellan.JS.; , Ward.AB.  
Deposited on : 2018-03-19  
Resolution : 10.60 Å(reported)

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

We welcome your comments at [validation@mail.wwpdb.org](mailto: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 ⓘ symbol.

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The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

EMDB validation analysis : **FAILED**  
Validation Pipeline (wwPDB-VP) : 2.13

# 1 Experimental information

| Property                             | Value                     | Source    |
|--------------------------------------|---------------------------|-----------|
| EM reconstruction method             | singleParticle            | Depositor |
| Imposed symmetry                     | POINT, C3                 | Depositor |
| Number of images used                | 452                       | Depositor |
| Resolution determination method      | FSC 0.143 CUT-OFF         | Depositor |
| CTF correction method                | Not provided              | Depositor |
| Microscope                           | FEI TITAN KRIOS           | Depositor |
| Voltage (kV)                         | 300                       | Depositor |
| Electron dose ( $e^-/\text{\AA}^2$ ) | 65.0                      | Depositor |
| Minimum defocus (nm)                 | 1.2                       | Depositor |
| Maximum defocus (nm)                 | 2.2                       | Depositor |
| Magnification                        | 29000.                    | Depositor |
| Image detector                       | GATAN K2 SUMMIT (4k x 4k) | Depositor |