

Cell, Volume 180

Supplemental Information

**Structure, Function, and Antigenicity
of the SARS-CoV-2 Spike Glycoprotein**

Alexandra C. Walls, Young-Jun Park, M. Alejandra Tortorici, Abigail Wall, Andrew T. McGuire, and David Veesler

Supplementary Table 1. CryoEM data collection and refinement statistics. Related to Figure 3-5.

	SARS-CoV-2 S (closed) PDB 6VXX EMD-21452	SARS-CoV-2 S (one S ^B open) PDB 6VYB EMD-21457
Data collection and processing		
Magnification	130,000	130,000
Voltage (kV)	300	300
Electron exposure (e ⁻ /Å ²)	70	70
Defocus range (µm)	0.5-3.0	0.5-3.0
Pixel size (Å)	0.525	0.525
Symmetry imposed	C3	C1
Final particle images (no.)	172,966	197,005
Map resolution (Å)	3.1	3.3
FSC threshold	0.143	0.143
Map sharpening <i>B</i> factor (Å ²)	-74	-59
Validation		
MolProbity score	0.91	1.05
Clashscore	0.55	1.24
Poor rotamers (%)	0.23	0.04
Ramachandran plot		
Favored (%)	96.55	96.7
Allowed (%)	99.58	99.43
Disallowed (%)	0.42	0.57
EMRinger Score	3.03	2.23