

Summary of integrative structure determination of Integrative model of SARS-CoV-2 Replicase polyprotein 1ab (PDB ID: 9A8D | [pdb_00009a8d](#), PDB-Dev ID: PDBDEV_00000536)

1. Model Composition	
1.1. Entry composition	SARS-CoV-2 Replicase polyprotein 1ab: chain(s) A (638 residues)
1.2. Datasets used for modeling	- Crosslinking-MS data, PRIDE: PXD023487 - De Novo model, Not available - Comparative model, Not available - Experimental model, PDB: pdb_00003ld1
2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	0, 8
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique CrossLinkRestraint: BS3, 72 crosslinks
4. Validation	
4.2. Number of ensembles	0
4.3. Number of models in ensembles	Not applicable
4.4. Number of deposited models	1
4.5. Model precision	Not available
4.6. Data quality	Data quality has not been assessed
4.7. Model quality: assessment of atomic segments	- Clashscore: 103.58 - Ramachandran outliers: 14 - Sidechain outliers: 13
4.8. Fit to data used for modeling	Satisfaction of crosslinks: 95.83%
4.9. Fit to data used for validation	Fit of model to information not used to compute it has not been determined
5. Methodology and Software	
1. 5.1. Method name	Modeling with CombDock
5.3. Method description	CombDock with AlphaFold2 domains and crosslinks as an input

[5.5. Software](#)

- [UCSF ChimeraX](#) (version 1.2/v9)
- [CombDock](#) (version Not available)