

Summary of integrative structure determination of Escherichia coli sigma70 in apo form (PDB ID: 9A8C | pdb_00009a8c, PDB-Dev ID: PDBDEV_00000377)

1. Model Composition	
1.1. Entry composition	RNA polymerase sigma factor RpoD: chain(s) A (536 residues)
1.2. Datasets used for modeling	- Crosslinking-MS data, PRIDE: PXD037183 - Experimental model, PDB: pdb_00006p1k
2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	0, 1
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique CrossLinkRestraint: BS3, 1 crosslinks - 1 unique CrossLinkRestraint: DMTMM, 1 crosslinks
4. Validation	
4.2. Number of ensembles	0
4.3. Number of models in ensembles	Not applicable
4.4. Number of deposited models	4
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: 43.31-62.59 - Ramachandran outliers: 8-9 - Sidechain outliers: 1-1
4.8. Fit to data used for modeling	Satisfaction of crosslinks: 100.00-100.00%
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	Docking
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[5.5. Software](#)

- [PatchDock](#) (version 1.3)
- [ChimeraX](#) (version 1.2.5)