

Summary of integrative structure determination of Model of E. coli AtpD by in-cell photo-crosslinking MS and deep learning (PDB ID: 9A2S | pdb_00009a2s, PDB-Dev ID: PDBDEV_00000177)

1. Model Composition	
1.1. Entry composition	P0ABB4: chain(s) A (460 residues)
1.2. Datasets used for modeling	- Crosslinking-MS data, jPOSTrepo: JPST001851
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 CrossLinkRestrict: L-Photo-Leucine, 3 crosslinks
4. Validation	
4.2. Number of ensembles	0
4.3. Number of models in ensembles	Not applicable
4.4. Number of deposited models	10
4.5. Model precision	Not available
4.6. Data quality	- PXD036833: 100.00% of crosslinks found in the data. - PXD036833: 0.49% of crosslinks from the data were used for modeling.
4.7. Model quality: assessment of atomic segments	- Clashscore: 1.69-7.06 - Ramachandran outliers: 0-13 - Sidechain outliers: 0-9
4.8. Fit to data used for modeling	Satisfaction of crosslinks: 33.33-66.67%
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	AlphaLink
5.2. Method type	AlphaLink with 10 msa subsamples

<i>5.4. Number of computed models</i>	10
<i>5.5. Software</i>	AlphaLink (version 1.0)