

**Summary of integrative structure determination of Model of E. coli DnaK by in-cell photo-crosslinking MS and deep learning (PDB ID: 9A2I | pdb\_00009a2i, PDB-Dev ID: PDBDEV\_00000167)**

<b>1. Model Composition</b>	
<a href="#">1.1. Entry composition</a>	P0A6Y8: chain(s) A (638 residues)
<a href="#">1.2. Datasets used for modeling</a>	- Crosslinking-MS data, jPOSTrepo: JPST001851
<b>2. Representation</b>	
<a href="#">2.1. Number of representations</a>	1
<a href="#">2.2. Scale</a>	Atomic
<a href="#">2.3. Number of rigid and flexible segments</a>	0, 1
<b>3. Restraints</b>	
<a href="#">3.1. Physical principles</a>	Information about physical principles was not provided
<a href="#">3.2. Experimental data</a>	- 1 unique CrossLinkRestraint: L-Photo-Leucine, 9 crosslinks
<b>4. Validation</b>	
<a href="#">4.2. Number of ensembles</a>	0
<a href="#">4.3. Number of models in ensembles</a>	Not applicable
<a href="#">4.4. Number of deposited models</a>	10
<a href="#">4.5. Model precision</a>	Not available
<a href="#">4.6. Data quality</a>	- PXD036833: 88.89% of crosslinks found in the data. - PXD036833: 1.31% of crosslinks from the data were used for modeling.
<a href="#">4.7. Model quality: assessment of atomic segments</a>	- Clashscore: 1.23-6.07 - Ramachandran outliers: 4-16 - Sidechain outliers: 3-30
<a href="#">4.8. Fit to data used for modeling</a>	Satisfaction of crosslinks: 11.11-44.44%
<a href="#">4.9. Fit to data used for validation</a>	Fit of model to information not used to compute it has not been determined
<b>5. Methodology and Software</b>	
1. <a href="#">5.1. Method name</a>	AlphaLink
<a href="#">5.2. Method type</a>	AlphaLink with 10 msa subsamples

---

<a href="#"><i>5.4. Number of computed models</i></a>	10
<a href="#"><i>5.5. Software</i></a>	<a href="#">AlphaLink</a> (version 1.0)