

Summary of integrative structure determination of Integrative structural model of alpha-synuclein compact states bound to membrane mimics (PDB ID: 9A1H | pdb_00009a1h, PDB-Dev ID: PDBDEV_00000089)

1. Model Composition	
1.1. Entry composition	alpha-synuclein: chain(s) A, B (110 residues)
1.2. Datasets used for modeling	- Crosslinking-MS data, PRIDE: PXD027349 - NMR data, BMRB: 50996
2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	0, 2
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique CrossLinkRestraint: EDC, 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	5
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: 4.97-20.54 - Ramachandran outliers: 0-6 - Sidechain outliers: 0-2
4.8. Fit to data used for modeling	Satisfaction of crosslinks: 0.00-0.00%
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	Simulated annealing of the monomer
5.2. Method type	Simulated Annealing
5.4. Number of computed models	2700

2. <i>5.1. Method name</i>	Simulated annealing of the dimer
<i>5.2. Method type</i>	Simulated Annealing
<i>5.4. Number of computed models</i>	1500
<i>5.5. Software</i>	XPLOD-NIH (version 1.49)