

Summary of integrative structure determination of The ensemble structure of alpha-synuclein monomer (PDB ID: 9A1A, PDB-Dev ID: PDBDEV_0000082)

1. Model Composition	
Entry composition	alpha-synuclein: Chain A (140 residues)
Datasets used for modeling	Other, File: 10.1016/j.jmb.2010.11.011
2. Representation	
Resolution	Atomic
Number of rigid bodies , flexible units	0, 1
Flexible units	A: 1-140
Structural coverage (rigid bodies)	100%
3. Restraints	
Physical principles	Information about physical principles was not provided
Experimental data	
4. Validation	
Number of ensembles	8
Number of models in ensembles	None, None, None, None, None, None, None, None
Number of deposited models	8
Model precision (uncertainty of models)	None, Å, None, Å, None, Å, None, Å, None, Å, None, Å, None, Å, None, Å, None, Å
Data quality	Data quality has not been assessed

<p><i>Model quality: assessment of atomic segments</i></p>	<ul style="list-style-type: none"> - Model-1: Clashscore = 17.37, Number of Ramachandran outliers = 30, Number of sidechain outliers = 17 - Model-2: Clashscore = 11.41, Number of Ramachandran outliers = 24, Number of sidechain outliers = 26 - Model-3: Clashscore = 7.94, Number of Ramachandran outliers = 33, Number of sidechain outliers = 24 - Model-4: Clashscore = 14.89, Number of Ramachandran outliers = 31, Number of sidechain outliers = 24 - Model-5: Clashscore = 8.44, Number of Ramachandran outliers = 26, Number of sidechain outliers = 22 - Model-6: Clashscore = 8.93, Number of Ramachandran outliers = 22, Number of sidechain outliers = 27 - Model-7: Clashscore = 8.44, Number of Ramachandran outliers = 26, Number of sidechain outliers = 17 - Model-8: Clashscore = 10.92, Number of Ramachandran outliers = 26, Number of sidechain outliers = 22
<p><i>Model quality: assessment of excluded volume</i></p>	<p>Not applicable</p>
<p><i>Fit to data used for modeling</i></p>	<p>Fit of model to information used to compute it has not been determined</p>
<p><i>Fit to data used for validation</i></p>	<p>Fit of model to information not used to compute it has not been determined</p>
<p>5. Methodology and Software</p>	
<p>1. <i>Method</i></p>	<p>Discrete molecular dynamics simulations</p>
<p><i>Name</i></p>	<p>None</p>
<p><i>Number of computed models</i></p>	<p>30303</p>
<p><i>Software</i></p>	<ul style="list-style-type: none"> - piDMD (version Not available) - TTClust (version Not available)