

**Summary of integrative structure determination of Integrative structure of human SNAPc-DNA  
(PDB ID: 9A8W | pdb\_00009a8w)**

<b>1. Model Composition</b>	
<a href="#">1.1. Entry composition</a>	<ul style="list-style-type: none"> <li>- snRNA-activating protein complex subunit 2: chain(s) A (334 residues)</li> <li>- snRNA-activating protein complex subunit 3: chain(s) B (411 residues)</li> <li>- snRNA-activating protein complex subunit 5: chain(s) C (98 residues)</li> <li>- snRNA-activating protein complex subunit 1: chain(s) D (368 residues)</li> <li>- snRNA-activating protein complex subunit 4: chain(s) E (1519 residues)</li> <li>- T strand: chain(s) F (20 residues)</li> <li>- NT strand: chain(s) G (20 residues)</li> </ul>
<a href="#">1.2. Datasets used for modeling</a>	<ul style="list-style-type: none"> <li>- Crosslinking-MS data, PRIDE: <a href="#">PXD053341</a></li> <li>- 3DEM volume, EMDB: <a href="#">EMD-50730</a></li> <li>- 3DEM volume, Zenodo: <a href="#">10.5281/zenodo.14746890</a></li> <li>- De Novo model, MODEL ARCHIVE: <a href="#">ma-ptjz</a></li> <li>- Experimental model, PDB: <a href="#">pdb_00009fso</a></li> <li>- Experimental model, PDB: <a href="#">pdb_00007zx8</a></li> <li>- Experimental model, PDB: <a href="#">pdb_00007xur</a></li> <li>- 3DEM volume, Zenodo: <a href="#">10.5281/zenodo.14746890</a></li> </ul>
<b>2. Representation</b>	
<a href="#">2.1. Number of representations</a>	1
<a href="#">2.2. Scale</a>	Multiscale: Coarse-grained: 1 - 20 residue(s) per bead
<a href="#">2.3. Number of rigid and flexible segments</a>	16, 16
<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>	<ul style="list-style-type: none"> <li>- 1 unique CrossLinkRestraint: SDA, 268 crosslinks</li> <li>- 1 unique EM3DRestraint: Gaussian mixture models</li> </ul>
<b>4. Validation</b>	
<a href="#">4.2. Number of ensembles</a>	1
<a href="#">4.3. Number of models in ensembles</a>	5766
<a href="#">4.4. Number of deposited models</a>	1
<a href="#">4.5. Model precision</a>	Not available
<a href="#">4.6. Data quality</a>	<ul style="list-style-type: none"> <li>- PXD053341: 100.00% of crosslinks found in the data.</li> <li>- PXD053341: 94.37% of crosslinks from the data were used for modeling.</li> <li>- EMD-50730: resolution is 3.28 Å</li> </ul>

<a href="#">4.7. Model quality: assessment of excluded volume</a>	Satisfaction: 99.71%
<a href="#">4.8. Fit to data used for modeling</a>	Satisfaction of crosslinks: 80.88%
<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>	Sampling
<a href="#">5.2. Method type</a>	Replica exchange monte carlo
<a href="#">5.4. Number of computed models</a>	320000
<a href="#">5.5. Software</a>	<ul style="list-style-type: none"> <li>- <a href="#">IMP PMI module</a> (version 2.20.0)</li> <li>- <a href="#">Integrative Modeling Platform (IMP)</a> (version 2.20.0)</li> <li>- <a href="#">AlphaPulldown</a> (version 0.30.7)</li> <li>- <a href="#">AlphaFold2</a> (version 2.3.2)</li> </ul>