

**Summary of integrative structure determination of F1N4 fully-glycosylated model of mouse N-cadherin EC4-EC5 (PDB ID: 9A41 | pdb\_00009a41, PDB-Dev ID: PDBDEV\_00000222 )**

<b>1. Model Composition</b>	
<a href="#">1.1. Entry composition</a>	<ul style="list-style-type: none"> <li>- Cadherin-2: chain(s) A (211 residues)</li> <li>- N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-3)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-alpha-D-mannopyranose-(1-6)]beta-D-mannopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)-[alpha-L-fucopyranose-(1-6)]2-acetamido-2-deoxy-beta-D-glucopyranose: chain(s) B, C, D, E</li> </ul>
<a href="#">1.2. Datasets used for modeling</a>	<ul style="list-style-type: none"> <li>- SAS data, SASBDB: <a href="#">SASDT45</a></li> <li>- Experimental model, PDB: <a href="#">pdb_00003q2w</a></li> </ul>
<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>	<ul style="list-style-type: none"> <li>- 1 unique SASRestraint: Assembly name: F1N4 fully-glycosylated model of mouse N-cadherin EC4-EC Fitting method: GASBOR Multi-state: True</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>	20
<a href="#">4.4. Number of deposited models</a>	20
<a href="#">4.5. Model precision</a>	Not available
<a href="#">4.6. Data quality</a>	Data quality has not been assessed
<a href="#">4.7. Model quality: assessment of atomic segments</a>	<ul style="list-style-type: none"> <li>- Clashscore: 16.47-59.26</li> <li>- Ramachandran outliers: 3-3</li> <li>- Sidechain outliers: 10-10</li> </ul>
<a href="#">4.8. Fit to data used for modeling</a>	Fit of model to information used to compute it has not been determined

<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>	Not available
<a href="#">5.2. Method type</a>	Use GlycoSHIELD, the tool we have developed, to graft MD-simulated glycan ensemble onto the ectodomains 4 to 5 of x-ray protein structure (PDB ID: 3Q2W).
<a href="#">5.4. Number of computed models</a>	20
<a href="#">5.5. Software</a>	<ul style="list-style-type: none"><li>- <a href="#">GlycoSHIELD</a> (version Not available)</li><li>- <a href="#">GASBOR</a> (version Not available)</li><li>- <a href="#">FoXSDock</a> (version Not available)</li></ul>