Summary of integrative structure determination of F1N6 fully-glycosylated model of mouse N-cadherin EC4-EC5 (PDB ID: 9A42 | pdb_00009a42, PDB-Dev ID: PDBDEV_00000223)

1. Model Composition	
1.1. Entry composition	- Cadherin-2 : chain(s) A (211 residues) - N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-2)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-4)]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)-[N-acetyl-alpha-neuraminic acid-(2-3)-beta-D-galactopyranose-(1-4)-2-acetamido-2-deoxy-beta-D-glucopyranose-(1-6)]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
1.2. Datasets used for modeling	- SAS data, SASBDB: SASDT45 - Experimental model, PDB: pdb_00003q2w
2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	0, 1
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique SASRestraint: Assembly name: F1N6 fully-glycosylated model of mouse N-cadherin EC4-EC5 Fitting method: GASBOR Multi-state: True
4. Validation	
4.2. Number of ensembles	1
4.3. Number of models in ensembles	20
4.4. Number of deposited models	20
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: 9.30-33.10 - Ramachandran outliers: 3-3 - Sidechain outliers: 10-10

4.8. Fit to data used for modeling	Fit of model to information used to compute it has not been determined
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*	Not available
5.2. Method type	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).
5.4. Number of computed models	20
5.5. Software	- GlycoSHIELD (version Not available) - GASBOR (version Not available) - FoXSDock (version Not available)