

Summary of integrative structure determination of Integrative model of Nup116 knockout (at 25C) yeast nuclear pore complex (PDB ID: 9A0G, PDB-Dev ID: PDBDEV_00000052)

1. Model Composition	
Entry composition	<ul style="list-style-type: none"> - Nic96: chain(s) A1, A2, A3, A4 (839 residues) - Nup188: chain(s) B1, B2 (1655 residues) - Nup192: chain(s) C1, C2 (1683 residues) - Nup157: chain(s) D1, D2 (1391 residues) - Nup57: chain(s) H1, H2, H3, H4 (541 residues) - Nup49: chain(s) I1, I2, I3, I4 (472 residues) - Nsp1: chain(s) J1, J2, J3, J4 (823 residues) - Nup133: chain(s) K1, K2 (1157 residues) - Nup84: chain(s) L1, L2 (726 residues) - Nup145c: chain(s) M1, M2 (712 residues) - Sec13: chain(s) N1, N2 (297 residues) - Seh1: chain(s) O1, O2 (349 residues) - Nup85: chain(s) P1, P2 (744 residues) - Nup120: chain(s) R1, R2 (1037 residues) - Nup170: chain(s) d1, d2 (1502 residues)
Datasets used for modeling	<ul style="list-style-type: none"> - 3DEM volume, EMDB: EMD-10660 - 3DEM volume, Zenodo: 10.5281/zenodo.3820319 - Integrative model, PDB: 9A0F - Integrative model, PDB: 9A0F - Integrative model, PDB: 9A0F - Other, Not available: https://doi.org/10.1038/nsmb1194
2. Representation	
Number of representations	1
Scale	Atomic
Number of rigid and flexible segments	0, 38
3. Restraints	
Physical principles	Information about physical principles was not provided
Experimental data	- 1 unique InnerSurfaceGeometricRestraint: None
4. Validation	
Number of ensembles	0
Number of models in ensembles	Not applicable
Number of deposited models	1

<i>Model precision (uncertainty of models)</i>	Not available
<i>Data quality</i>	Data quality has not been assessed
<i>Model quality: assessment of atomic segments</i>	<ul style="list-style-type: none"> - Clashscore: 0.00 - Ramachandran outliers: 973 - Sidechain outliers: 1306
<i>Fit to data used for modeling</i>	Fit of model to information used to compute it has not been determined
<i>Fit to data used for validation</i>	Fit of model to information not used to compute it has not been determined
5. Methodology and Software	
1. <i>Name</i>	Monte Carlo simulated annealing optimization of multiple rigid bodies with IMP
<i>Software</i>	<u>Integrative Modeling Platform (IMP)</u> (version 2.9.0)