

**Summary of integrative structure determination of PTX3 hybrid cryoEM and AlphaFold model
(PDB ID: 9A24 | pdb_00009a24, PDB-Dev ID: PDBDEV_00000141)**

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| 1. Model Composition | |
| 1.1. Entry composition | <ul style="list-style-type: none"> - PTX3 (protein complex): chain(s) A [B], B [A], C [D], D [C], E [F], F [E], G [H], H [G] (364 residues) - N-ACETYL-D-GLUCOSAMINE: chain(s) I [B], J [B], N [A], O [A], S [D], W [D], X [C], Y [C], CA [F], DA [F], HA [E], IA [E], MA [H], NA [H], RA [G], SA [G] - BETA-D-MANNOSE: chain(s) K [B], P [A], T [D], Z [C], EA [F], JA [E], OA [H], TA [G] - ALPHA-D-MANNOSE: chain(s) L [B], M [B], Q [A], R [A], U [D], V [D], AA [C], BA [C], FA [F], GA [F], KA [E], LA [E], PA [H], QA [H], UA [G], VA [G] - water: chain(s) WA [B], XA [F], YA [I] |
| 1.2. Datasets used for modeling | <ul style="list-style-type: none"> - De Novo model, Not available - 3DEM volume, EMDB: EMD-14774 - Mass Spectrometry data, PRIDE: PXD034602 - 2DEM class average, Not available - Other, Not available - Experimental model, PDB: pdb_00007z11 |
| 2. Representation | |
| 2.1. Number of representations | 1 |
| 2.2. Scale | Atomic |
| 2.3. Number of rigid and flexible segments | 0, 16 |
| 3. Restraints | |
| 3.1. Physical principles | Information about physical principles was not provided |
| 3.2. Experimental data | - 1 unique EM3DRestraint: None |
| 4. Validation | |
| 4.2. Number of ensembles | 0 |
| 4.3. Number of models in ensembles | Not applicable |
| 4.4. Number of deposited models | 1 |
| 4.5. Model precision | Not available |
| 4.6. Data quality | EMD-14774: resolution is 2.50 Å |
| 4.7. Model quality: assessment of atomic segments | <ul style="list-style-type: none"> - Clashscore: 5.10 - Ramachandran outliers: 33 - Sidechain outliers: 8 |

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| 4.8. Fit to data used for modeling | - 3DEM q-score(s): 0.31 - 3DEM atom inclusion score(s): 0.47 |
| 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 |
| 5.5. Software | - EMAN2 (version Not available) - IMOD (version Not available) - Relion (version Not available) - AlphaFold (version Not available) |
