

Summary of integrative structure determination of Type II Amyloid beta Fibril MEMMI ensemble (PDB ID: 9A8F | pdb_00009a8f, PDB-Dev ID: PDBDEV_00000379)

1. Model Composition	
1.1. Entry composition	Amyloid-beta protein 42: chain(s) A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X (42 residues)
1.2. Datasets used for modeling	- 3DEM volume, EMDB: EMD-13809 - Experimental model, PDB: pdb_00007q4m - 3DEM volume, Zenodo: 10.5281/zenodo.14766466
2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	0, 24
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique EM3DRestraint: Gaussian mixture model
4. Validation	
4.2. Number of ensembles	0
4.3. Number of models in ensembles	Not applicable
4.4. Number of deposited models	10
4.5. Model precision	Not available
4.6. Data quality	EMD-13809: resolution is 2.80 Å
4.7. Model quality: assessment of atomic segments	- Clashscore: 0.07-0.80 - Ramachandran outliers: 0-1 - Sidechain outliers: 0-13
4.8. Fit to data used for modeling	- 3DEM q-score(s): 0.32 - 3DEM atom inclusion score(s): 0.55
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

<i>5.3. Method description</i>	All the necessary input files for the ensemble generation are available at https://zenodo.org/records/14766466 in the SIMULATION zip file.
<i>5.5. Software</i>	- gmmconvert (version Not available) - Gromacs (version GROMACS-2020.5) - Plumed (version PLUMED.2.6.0-dev)
