

**Summary of integrative structure determination of Modeling of the ciliary
Intraflagellar transport-A complex (PDB ID: 9A2D, PDB-Dev ID:
PDBDEV_00000156)**

1. Model Composition	
Entry composition	<ul style="list-style-type: none"> - Intraflagellar transport protein 43: chain(s) A (146 residues) - Intraflagellar transport protein 121: chain(s) B (1195 residues) - Intraflagellar transport protein 122: chain(s) C (1251 residues) - Intraflagellar transport protein 139: chain(s) D (1334 residues) - Intraflagellar transport protein 140: chain(s) E (1407 residues) - Intraflagellar transport protein 144: chain(s) F (1387 residues)
Datasets used for modeling	<ul style="list-style-type: none"> - Crosslinking-MS data, Zenodo: 10.5281/zenodo.7222413 - De Novo model, Zenodo: 10.5281/zenodo.7222413 - 3DEM volume, EMDB: EMD-26791
2. Representation	
Number of representations	1
Scale	Coarse-grained: 1 residue(s) per bead
Number of <i>rigid</i> and <i>flexible</i> segments	23, 3
3. Restraints	
Physical principles	Information about physical principles was not provided
Experimental data	- 1 unique CrossLinkRestraint: DSSO, 100 crosslinks
4. Validation	
Number of ensembles	0
Number of models in ensembles	Not applicable
Number of deposited models	1
Model precision (uncertainty of models)	Not available
Data quality	Data quality has not been assessed

<i>Model quality: assessment of atomic segments</i>	<ul style="list-style-type: none"> - Clashscore: 5.21 - Ramachandran outliers: 0 - Sidechain outliers: 0
<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>	Sampling
<i>Method</i>	Replica exchange monte carlo
<i>Number of computed models</i>	200000
<i>Software</i>	<ul style="list-style-type: none"> - AlphaFold2 (version Not available) - IMP PMI module (version 2.11.1) - Integrative Modeling Platform (IMP) (version 2.11.1)