

Summary of integrative structure determination of Molecular architecture of the yeast Mediator complex (PDB ID: 8ZZ3 | pdb_00008zz3, PDB-Dev ID: PDBDEV_00000003)

1. Model Composition	
1.1. Entry composition	<ul style="list-style-type: none"> - med6: chain(s) A (295 residues) - med8: chain(s) B (223 residues) - med11: chain(s) C (115 residues) - med17: chain(s) D (687 residues) - med18: chain(s) E (307 residues) - med20: chain(s) F (210 residues) - med22: chain(s) G (121 residues) - med4: chain(s) H (284 residues) - med7: chain(s) I (222 residues) - med9: chain(s) J (149 residues) - med31: chain(s) K (127 residues) - med21: chain(s) L (140 residues) - med10: chain(s) M (157 residues) - med1: chain(s) N (566 residues) - med14: chain(s) O (1082 residues) - med19: chain(s) P (220 residues) - med2: chain(s) Q (436 residues) - med3: chain(s) R (401 residues) - med5: chain(s) S (1146 residues) - med15: chain(s) T (1094 residues) - med16: chain(s) U (986 residues)
1.2. Datasets used for modeling	<ul style="list-style-type: none"> - Experimental model, PDB: pdb_00004gwp - Comparative model, Not available: 10.1093/nar/gkt704 - Comparative model, Zenodo: 10.5281/zenodo.802915 - Experimental model, PDB: pdb_00003fbi - Experimental model, Zenodo: 10.5281/zenodo.802915 - Experimental model, PDB: pdb_00001ykh - Experimental model, Zenodo: 10.5281/zenodo.802915 - Experimental model, PDB: pdb_00004bzk - Comparative model, Zenodo: 10.5281/zenodo.802915 - Mass Spectrometry data, MASSIVE: MSV000079237 - Crosslinking-MS data, Zenodo: 10.5281/zenodo.802915 - 3DEM volume, EMDB: EMD-2634 - 3DEM volume, Zenodo: 10.5281/zenodo.802915 - 3DEM volume, Zenodo: 10.5281/zenodo.802915 - 3DEM volume, Zenodo: 10.5281/zenodo.802915 - 3DEM volume, Zenodo: 10.5281/zenodo.802915
2. Representation	
2.1. Number of representations	1
2.2. Scale	Multiscale: Coarse-grained: 1 - 40 residue(s) per bead
2.3. Number of rigid and flexible segments	12, 50
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	<ul style="list-style-type: none"> - 1 unique CrossLinkRestraint: DSS, 359 crosslinks - 2 unique EM3DRestraint: Gaussian mixture models

4. Validation	
4.2. Number of ensembles	4
4.3. Number of models in ensembles	142, 192, 39, 126
4.4. Number of deposited models	4
4.5. Model precision	- 19.52, Å - 21.83, Å - 25.29, Å - 21.06, Å
4.6. Data quality	EMD-2634: resolution is 25.00 Å
4.7. Model quality: assessment of excluded volume	Satisfaction: 99.83-99.83%
4.8. Fit to data used for modeling	Satisfaction of crosslinks: 84.64-86.31%
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	Sampling
5.2. Method type	Replica exchange monte carlo
5.4. Number of computed models	20000
5.5. Software	- Integrative Modeling Platform (IMP) (version develop-0a5706e202) - IMP PMI module (version 67456c0) - Protein Prospector (version 5.13.1) - Situs (version 2.7) - Phyre2 (version 2.0)