

Summary of integrative structure determination of Integrative structure of the COX-AIFM1 complex (PDB ID: 9A1K | pdb_00009a1k, PDB-Dev ID: PDBDEV_00000092)

<i>1. Model Composition</i>	
<i>1.1. Entry composition</i>	<ul style="list-style-type: none"> - Cytochrome c oxidase polypeptide I: chain(s) A (513 residues) - Cytochrome c oxidase polypeptide II: chain(s) B (226 residues) - Cytochrome c oxidase polypeptide III: chain(s) C (259 residues) - Cytochrome c oxidase subunit IV isoform 1: chain(s) D (144 residues) - Cytochrome c oxidase polypeptide Va: chain(s) E (109 residues) - Cytochrome c oxidase polypeptide Vb: chain(s) F (98 residues) - Cytochrome c oxidase polypeptide VIa-heart: chain(s) G (83 residues) - Cytochrome c oxidase polypeptide VIb: chain(s) H (86 residues) - Cytochrome c oxidase polypeptide VIc: chain(s) I (72 residues) - Cytochrome c oxidase polypeptide VIIa-heart: chain(s) J (58 residues) - Cytochrome c oxidase polypeptide VIIb: chain(s) K (49 residues) - Cytochrome c oxidase polypeptide VIIc: chain(s) L (46 residues) - Cytochrome c oxidase polypeptide VIII-heart: chain(s) M (43 residues) - Cytochrome c oxidase subunit NDUFA4: chain(s) N (80 residues) - Apoptosis inducing factor 1: chain(s) O, P (559 residues)

<p>1.2. Datasets used for modeling</p>	<ul style="list-style-type: none"> - Crosslinking-MS data, PRIDE: PXD025102 - Comparative model, Not available - Comparative model, Not available - Comparative model, Not available - Comparative model, Not available - De Novo model, Not available - Experimental model, PDB: pdb_00001v54 - Experimental model, PDB: pdb_00001occ - Experimental model, PDB: pdb_00002y69 - Experimental model, PDB: pdb_00003j9m - Experimental model, PDB: pdb_00004g23 - Experimental model, PDB: pdb_00004g26 - Experimental model, PDB: pdb_00004leu - Experimental model, PDB: pdb_00005diz - Experimental model, PDB: pdb_00005ft9 - Experimental model, PDB: pdb_00005iwb - Experimental model, PDB: pdb_00005orm - Experimental model, PDB: pdb_00005z62 - Experimental model, PDB: pdb_00006f5d - Experimental model, PDB: pdb_00006gaw - Experimental model, PDB: pdb_00006gaz - Experimental model, PDB: pdb_00006hu9 - Experimental model, PDB: pdb_00006lvr - Experimental model, PDB: pdb_00002lqt - Experimental model, PDB: pdb_00005jj4 - Experimental model, PDB: pdb_00005z62 - Experimental model, PDB: pdb_00006nl3 - Experimental model, PDB: pdb_00006pce - Experimental model, PDB: pdb_00006pcf - Experimental model, PDB: pdb_00006tdv - Experimental model, PDB: pdb_00006x89 - Experimental model, PDB: pdb_00004bur
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 CrossLinkRestraint: Other, 1 crosslinks
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	Data quality has not been assessed
4.7. Model quality: assessment of atomic segments	- Clashscore: 14.90 - Ramachandran outliers: 61 - Sidechain outliers: 130
4.8. Fit to data used for modeling	Satisfaction of crosslinks: 56.52%
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	- trRossetta (version Not available) - Robetta (version Not available) - DisVis (version Not available) - Haddock (version 2.4) - Naccess (version Not available)