

Summary of integrative structure determination of Integrative structure of P450-Ferredoxin Complex (PDB ID: 8ZZD, PDB-Dev ID: PDBDEV_0000013)

1. Model Composition	
Entry composition	<ul style="list-style-type: none"> - CYP199A2: Chain A (399 residues) - HaPux: Chain B (106 residues)
Datasets used for modeling	<ul style="list-style-type: none"> - Experimental model, PDB ID: 4DNJ - Experimental model, PDB ID: 4LTU - Other, File: 10.5287/bodleian:5zqPg5yVe - Other, File: 10.5287/bodleian:5zqPg5yVe - Other, File: 10.5287/bodleian:5zqPg5yVe - Other, File: 10.5287/bodleian:5zqPg5yVe - Other, File: 10.5287/bodleian:5zqPg5yVe - Other, File: 10.5287/bodleian:5zqPg5yVe
2. Representation	
Resolution	Atomic
Number of rigid bodies, flexible units	2, 0
Rigid bodies	<ul style="list-style-type: none"> - A: 1-399 - B: 1-106 - C: - - D: - - E: - - F: -
Structural coverage (rigid bodies)	100%
3. Restraints	
Physical principles	Information about physical principles was not provided
Experimental data	<ul style="list-style-type: none"> - 1 unique DerivedDistanceRestraint: Upper Bound Distance: 41.2 - 1 unique DerivedDistanceRestraint: Upper Bound Distance: 23.0 - 1 unique DerivedDistanceRestraint: Upper Bound Distance: 35.2 - 1 unique DerivedDistanceRestraint: Upper Bound Distance: 26.8 - 1 unique DerivedDistanceRestraint: Upper Bound Distance: 44.2 - 1 unique DerivedDistanceRestraint: Upper Bound Distance: 31.0
4. Validation	
Number of ensembles	1
Number of models in ensembles	6

Number of deposited models	6
Model precision (uncertainty of models)	None, Å
Data quality	Data quality has not been assessed
Model quality: assessment of atomic segments	<ul style="list-style-type: none"> - Model-1: Clashscore = 2.58, Number of Ramachandran outliers = 15, Number of sidechain outliers = 18 - Model-2: Clashscore = 2.58, Number of Ramachandran outliers = 10, Number of sidechain outliers = 13 - Model-3: Clashscore = 3.1, Number of Ramachandran outliers = 15, Number of sidechain outliers = 11 - Model-4: Clashscore = 2.58, Number of Ramachandran outliers = 10, Number of sidechain outliers = 12 - Model-5: Clashscore = 2.71, Number of Ramachandran outliers = 10, Number of sidechain outliers = 13 - Model-6: Clashscore = 2.46, Number of Ramachandran outliers = 13, Number of sidechain outliers = 13
Model quality: assessment of excluded volume	Not applicable
Fit to data used for modeling	Fit of model to information used to compute it has not been determined
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. Method	Integrative Modeling
Name	None
Software	<ul style="list-style-type: none"> - PatchDock (version Beta1.3) - FireDock (version develop-5abded4c39) - MMM (version 2017.1) - Matlab (version R2017a) - Gromacs (version Not available)