

Summary of integrative structure determination of Yeast Hsp90 open structural ensemble (PDB ID: 9AAO | [pdb_00009aao](#))

1. Model Composition	
1.1. Entry composition	<ul style="list-style-type: none"> - ATP-dependent molecular chaperone HSP82: chain(s) A, B (759 residues) - ADENOSINE-5'-DIPHOSPHATE: chain(s) C [A], E [B] - MAGNESIUM ION: chain(s) D [A], F [B]
1.2. Datasets used for modeling	<ul style="list-style-type: none"> - Single molecule FRET data, Not available: 10.1038/nmeth.4081 - Experimental model, PDB: pdb_00002cg9
2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	0, 2
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	
4. Validation	
4.2. Number of ensembles	1
4.3. Number of models in ensembles	5
4.4. Number of deposited models	5
4.5. Model precision	Not available
4.6. Data quality	Data quality has not been assessed
4.7. Model quality: assessment of atomic segments	<ul style="list-style-type: none"> - Clashscore: 0.00-0.00 - Ramachandran outliers: 15-30 - Sidechain outliers: 59-73
4.8. Fit to data used for modeling	Fit of model to information used to compute it has not been determined
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	FPS-based docking

2. 5.1. Method name	Optimization by the use of another crystal structure for only the N-Domain, namely 2WEP
3. 5.1. Method name	MD refinement
5.5. Software	<ul style="list-style-type: none">- FPS (FRET Positioning and Screening) (version Not available)- MDA(Multi Domain Arrangement) (version Not available)- Amber14 (version Not available)