Summary of integrative structure determination of Structures of the PSG Supramodule of PSD-95 Resolved by Screening of FRET-derived Distance Restraints against Simulated Structures (PDB ID: 9A2F | pdb_00009a2f, PDB-Dev ID: PDBDEV_00000164)

1. Model Composition	
1.1. Entry composition	Postsynaptic density protein 95 (PSD95) PDZ3-SH3-GuK Module: chain(s) A (417 residues)

1.2. Datasets used for modeling	- Other, Zenodo: 10.5281/zenodo.7125978 - Single molecule FRET data, Zenodo: 10.5281/zenodo.7125978 - Integrative model, Zenodo: 10.5281/zenodo.7125978 - Comparative model, Zenodo: 10.5281/zenodo.7125978 - Experimental model, Zenodo: 10.5281/zenodo.7125978 - Experimental model, Zenodo: 10.5281/zenodo.7125978

2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	0, 1
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	
4. Validation	
4.2. Number of ensembles	2
4.3. Number of models in ensembles	4325, 114
4.4. Number of deposited models	200
4.5. Model precision	- Not available - Not available
4.6. Data quality	Data quality has not been assessed
4.7. Model quality: assessment of atomic segments	- Clashscore: 4.23-11.19 - Ramachandran outliers: 11-23 - Sidechain outliers: 49-80
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	Unbiased DMD Simulations
5.2. Method type	DMD simulations
5.4. Number of computed models	20871
2. 5.1. Method name	FRET-guided screening of structures from molecular dynamics simulations
5.4. Number of computed models	4439
5.5. Software	- AvTraj (version 0.0.9) - pDMD (version 1.100)