Summary of integrative structure determination of Streptococcal Protein G antibody-binding domain C2 - variant C2Ca EP7-G35E (PDB ID: 9A9U | pdb_00009a9u)

1. Model Composition	
1.1. Entry composition	Immunoglobulin G-binding protein G: chain(s) A (64 residues)
1.2. Datasets used for modeling	- NMR data, BMRB: 53011
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	0
4.3. Number of models in ensembles	Not applicable
4.4. Number of deposited models	10
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: 0.00-1.02 - Ramachandran outliers: 0-0 - Sidechain outliers: 0-0
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	Secondary Structure and Torsion Prediction
5.2. Method type	TALOS
5.3. Method description	Phi/psi torsion predictions from shifts using TALOS

2. 5.1. Method name	Fragment Library Generation
5.2. Method type	Rosetta fragment picker
5.3. Method description	Rosetta fragment picker generates fragment libraries
3. 5.1. Method name	Abinitio Structure Modeling
5.2. Method type	Rosetta AbinitioRelax
5.3. Method description	Rosetta AbinitioRelax generates thousands of candidate structures
4. 5.1. Method name	Clustering and Scoring
5.2. Method type	Rosetta Energy Score
5.3. Method description	Clustering and Scoring
5.5. Software	CS-ROSETTA (version Not available)