

Summary of integrative structure determination of Equilibrated 52-mer bacterial gasdermin pore model from Vitiosangium sp. (PDB ID: 9A85 | pdb_00009a85, PDB-Dev ID: PDBDEV_00000370)

1. Model Composition	
1.1. Entry composition	Gasdermin bGSDM: chain(s) A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA [a], BA [b], CA [c], DA [d], EA [e], FA [f], GA [g], HA [h], IA [i], JA [j], KA [k], LA [l], MA [m], NA [n], OA [o], PA [p], QA [q], RA [r], SA [s], TA [t], UA [u], VA [v], WA [w], XA [x], YA [y], ZA [z] (234 residues)
1.2. Datasets used for modeling	- Experimental model, PDB: pdb_00008sl0 - Integrative model, PDB: pdb_00009a84
2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	0, 52
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	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: 0.95 - Ramachandran outliers: 322 - Sidechain outliers: 367
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	Not available

<i>5.3. Method description</i>	This model is derivative of PDB 9A84 and the protocol is therefore highly similar. However, this particular model resulted from allowing the PDB 9A84 model to equilibrate in an MD simulation with backbone positions restrained, but the rest was allowed to move such that key features (i.e., the palmitoyl) entered more natural conformations.
<i>5.5. Software</i>	- Python (version v3.9.7) - MDAnalysis (version v2.4.2) - Gromacs (version v2022.4) - Charmm (version Not available)
