

Supplementary material

Solvent-Induced Lag Phase during the Formation of Lysozyme Amyloid Fibrils Triggered by Sodium Dodecyl Sulfate: Biophysical Experimental and In Silico Study of Solvent Effects

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| Solvents | LogP | Solubility in water w/w) | Boiling point (°C) | Dielectric constant |
|-----------------|-------|--------------------------|--------------------|---------------------|
| Acetone | −0.23 | 100 | 56 | 20.7 |
| Ethanol | −0.24 | 100 | 78 | 24.3 |
| Acetonitrile | −0.33 | 100 | 82 | 36.2 |
| Tetrahydrofuran | 0.49 | 100 | 65 | 6.4 |

Table S1: Physicochemical characteristics of solvents molecules (Phenomenex table and doi.org/10.1007/s002160000467)

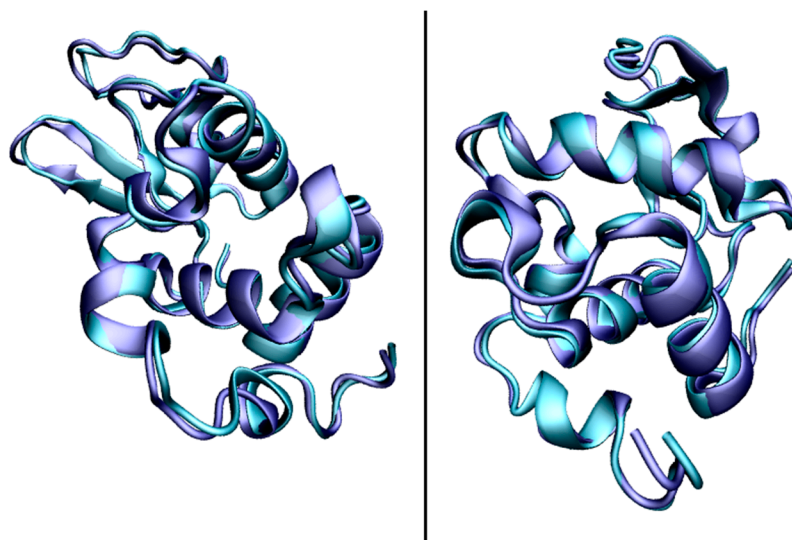


Figure S1: Structural alignment of 1LYZ (Cyan colour) and 1REX (Blue colour) at two different point of views.

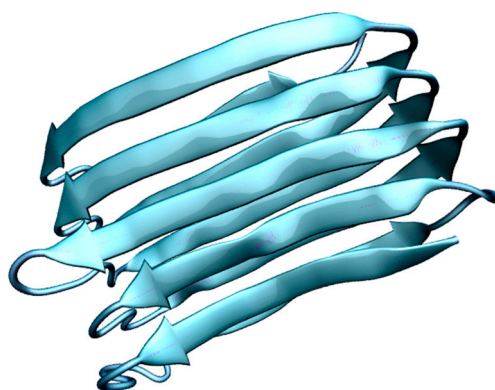


Figure S2: Structural alignment of protofibril of 1LYZ (Cyan colour) and 1REX (Blue colour) .

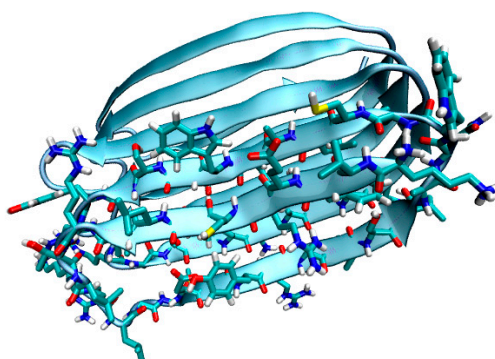


Figure S3: Residues from 1 to 50 of modeled protofibril lysozyme highlighted.

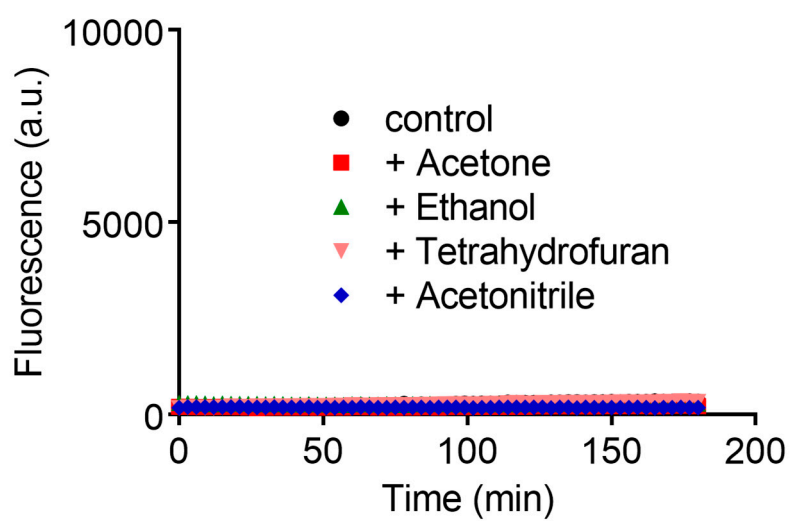


Figure S4: ThT fluorescence in the presence of the different solvents