**S3 Table. SAXS data collection parameters, analysis software employed and deposition.**

|  |  |
| --- | --- |
| Instrument  | Advanced Light Source SIBYLS SAXS Beamline with 2M detector [1] |
| Wavelength (Å)Camera length (m)*q* measurement (Å-1)Sample configurationSample temperature (˚C) | 1.12720.015 – 0.266static sample cell10 |
| Data reduction  | Solvent subtraction PRIMUSqt (ATSAS 2.8.3) [2] |
| Extinction coefficientIsoelectric pointBasis analysesAtomic structure modellingVolume fraction modellingEnsemble modelling Ab initio modellingSASBDB [9] code | ProtParam [3]ProtParam [3]PRIMUSqtCRYSOL 2.8.3 [4]OLIGOMER 7.1 [5]EOM 2.1 [6]DENSS 1.4.10 [7]DAMMIN [8]SASDHG6 |

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