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Supporting Information

Conformational Flexibility in the Transmembrane Protein TSPO**

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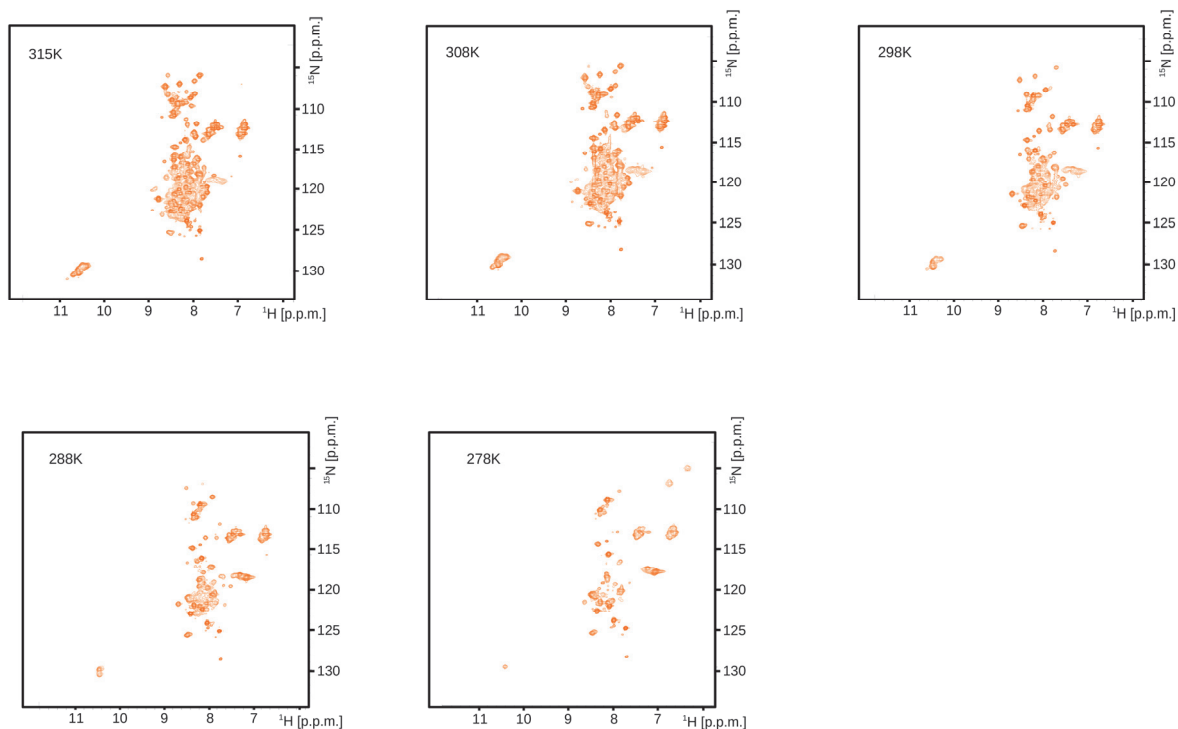


Figure S1. Temperature induced broadening of the backbone $^1\text{H}/^{15}\text{N}$ signals of mTSPO in fos-choline-12 micelles (2%). 2D ^1H - ^{15}N HSQC spectra were recorded on 0.8 mM ^{15}N -labelled mTSPO at 315 K, 308 K, 298 K, 288 K, and 278 K, respectively. Temperature dependent changes support the presence of conformational changes occurring in TSPO on the μs -ms time scale.

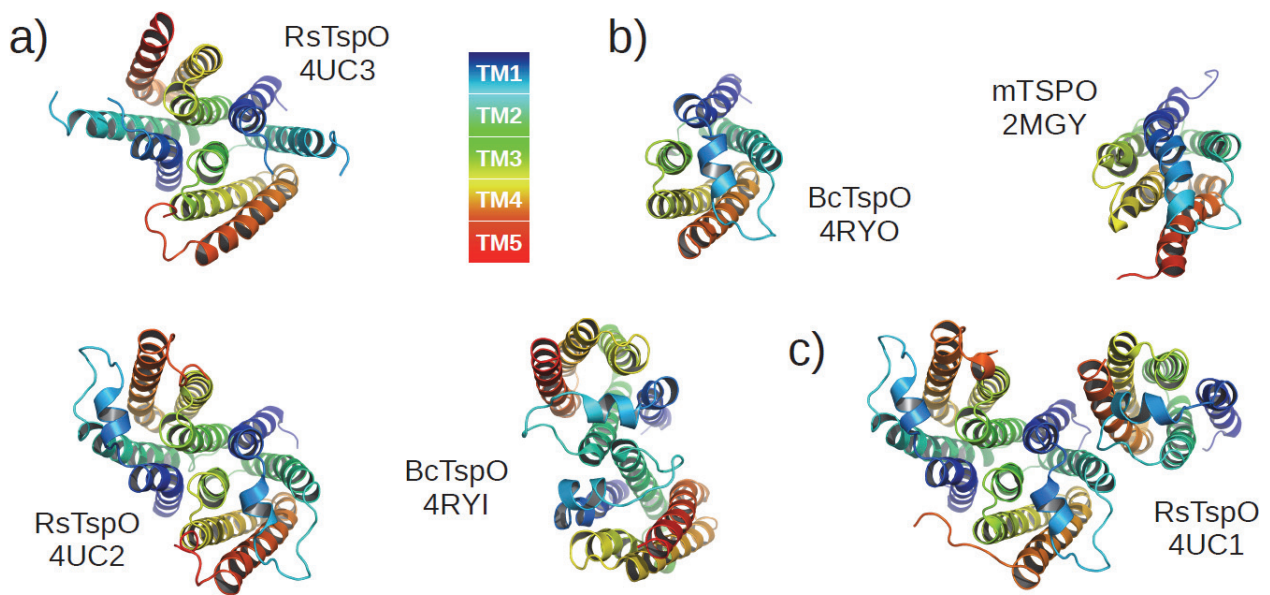


Figure S2. Oligomer states observed in different crystal structures of the bacterial tryptophan-rich sensory proteins from *Rhodobacter spheroides* (RsTspO) and *Bacillus cereus* (BcTspO). a) dimers. b) monomers. c) trimer.