Supporting Information

**Temperature Mediated Switching of Protectant-Denaturant
Behavior of Trimethylamine-N-Oxide and Consequences on
Protein Stability from a Replica Exchange Molecular Dynamics
Simulation Study**

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FIG. 1: Probability distribution of radius of gyration for Kast and Osmotic model of TMAO calculated at 284K.

FIG. 2: (a) Melting curves and (b) corresponding free energy of unfolding are shown for TMAO containing systems with Kast and Osmotic model.

FIG. 3: Free energy landscapes are shown for (a) Kast and (b) Osmotic model of TMAO.

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