Supplementary Materials: Probing Slipids force field for phase transitions in SOPC lipid bilayers with various cholesterol concentrations

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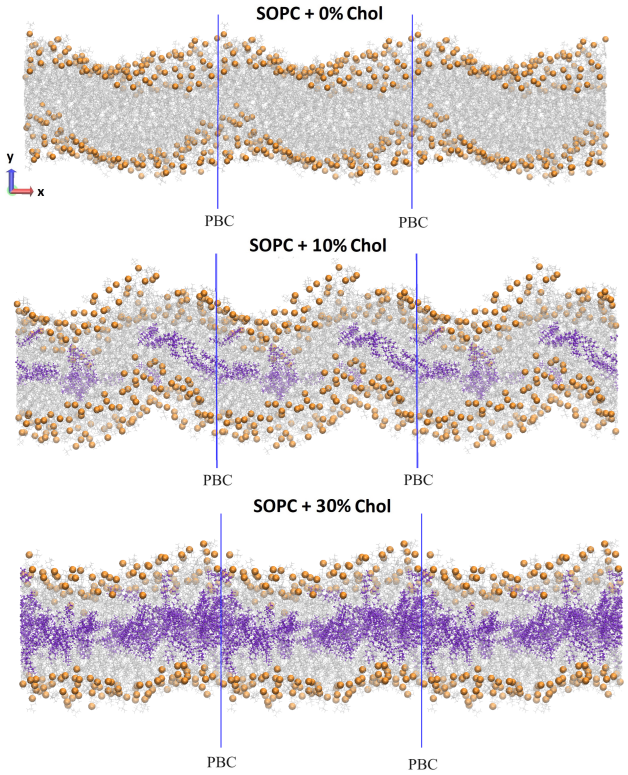


Figure S1. Side view of SOPC lipid bilayers for the studied concentrations at temperature 400 K.

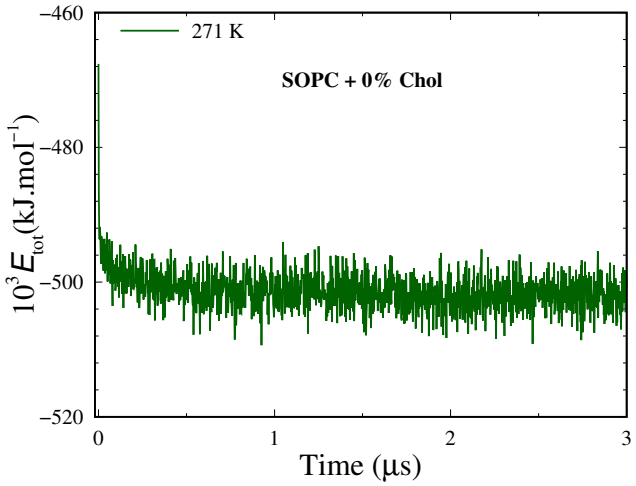


Figure S2. The total energy of the pure SOPC system at temperature 271 K for the entire simulation duration of 3 μs.

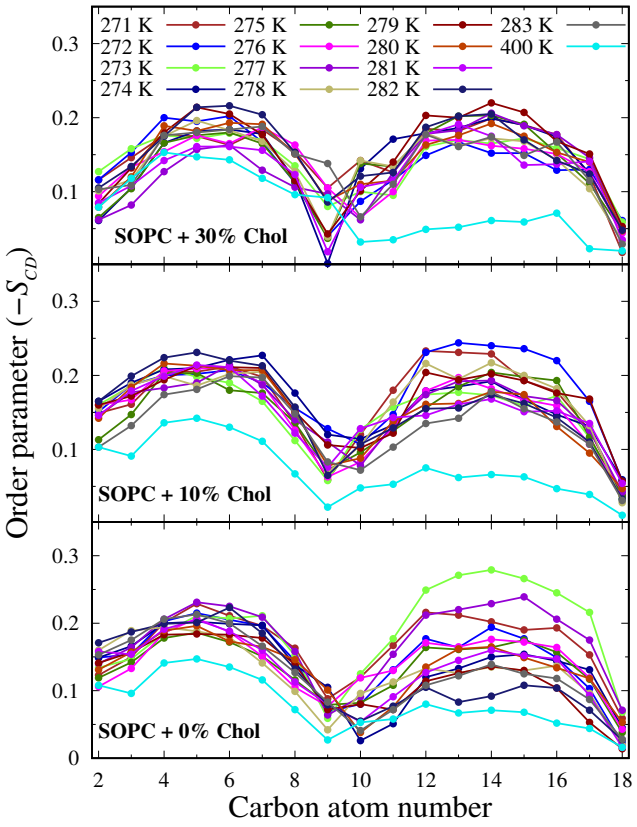


Figure S3. The order parameter S_{CD} for the unsaturated sn-2 tails for all systems.

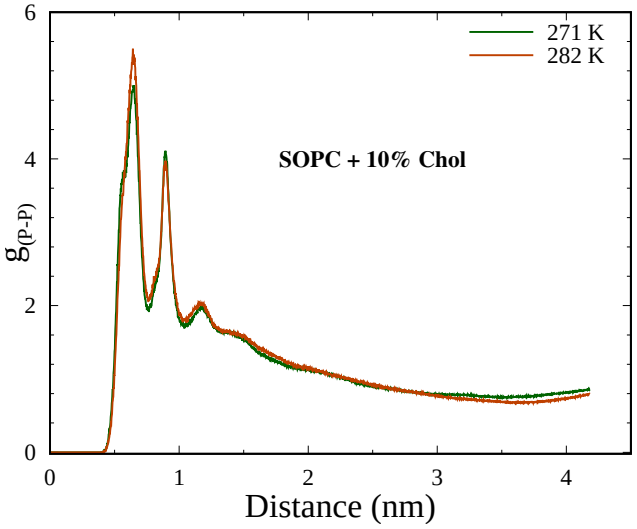


Figure S4. Radial distribution function RDF $g_{\mathrm{P-P}}$ of the distance between the phosphorus atoms at the initial and final temperatures for SOPC + 10% Chol.

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