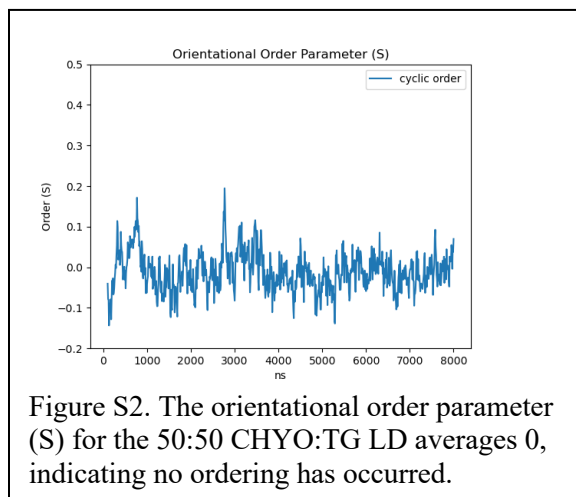
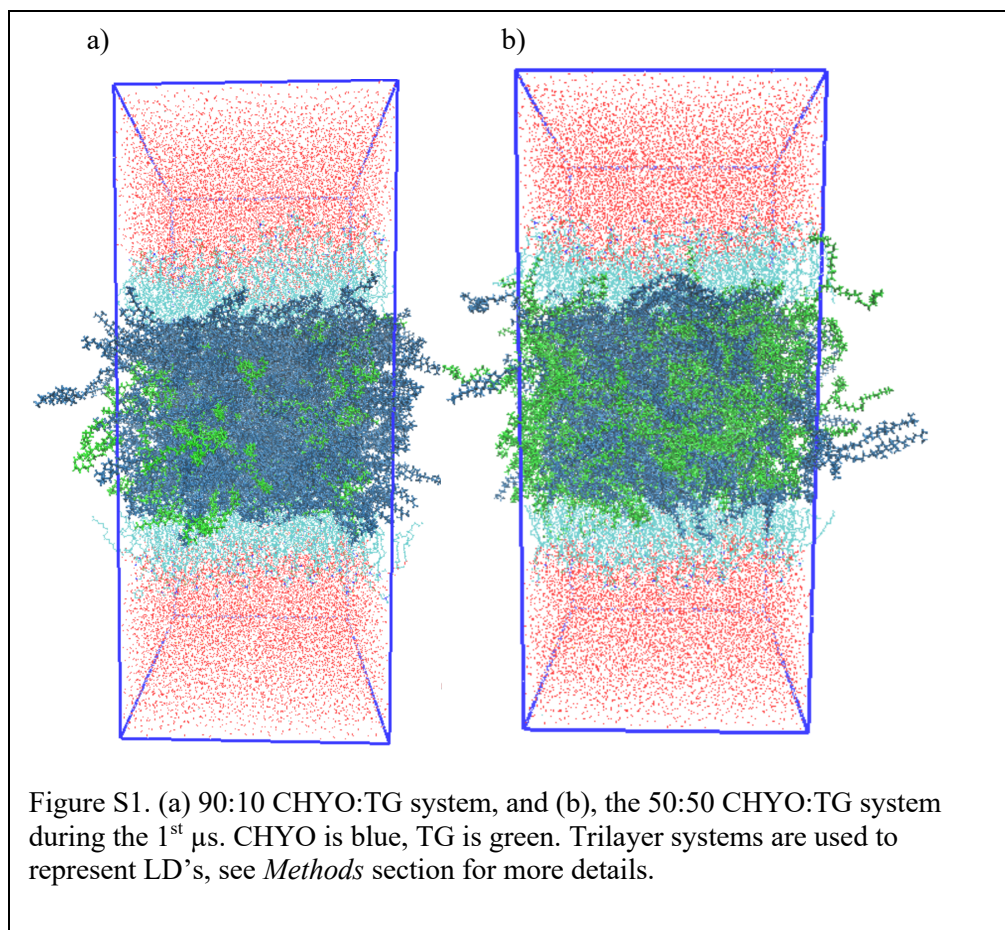


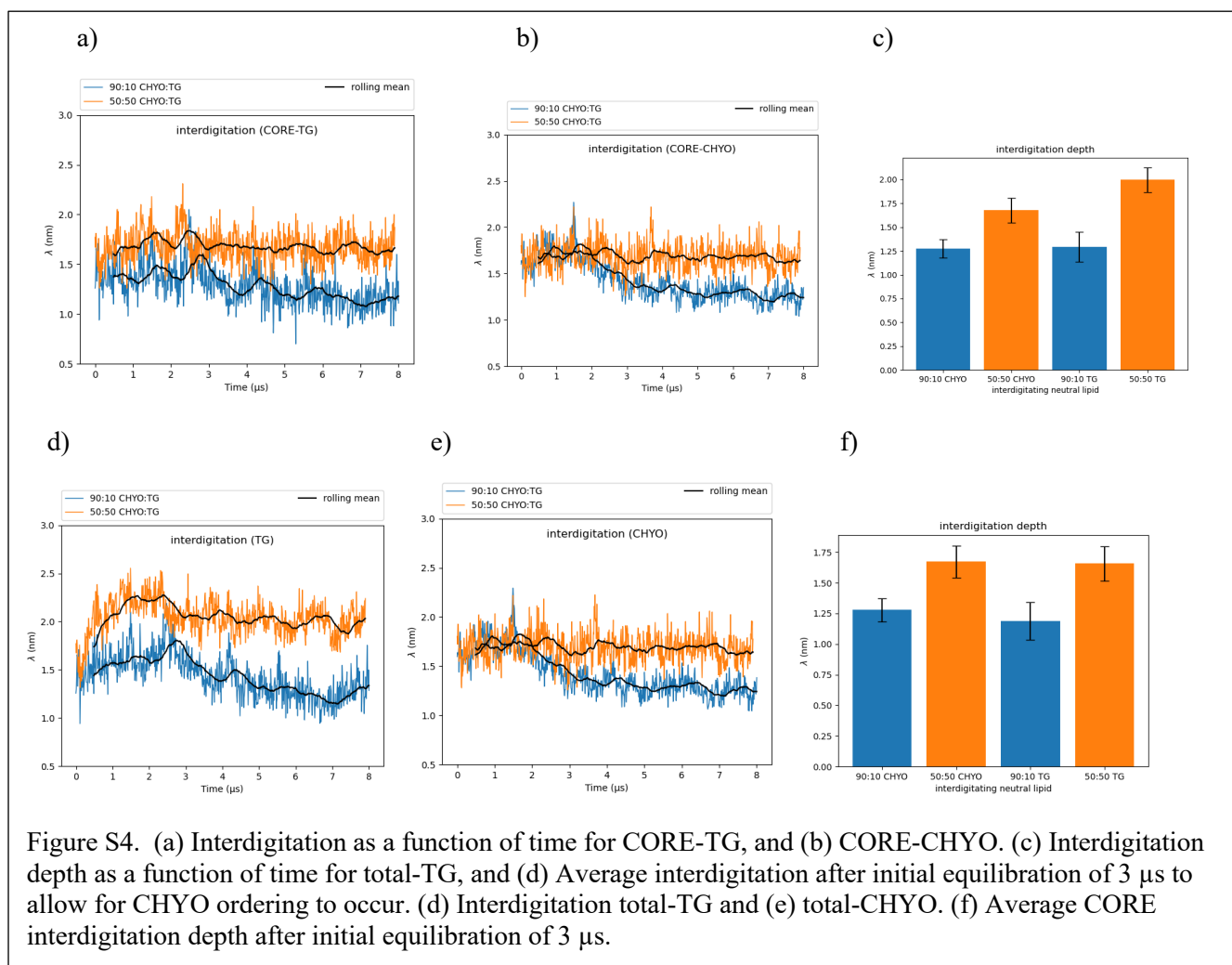
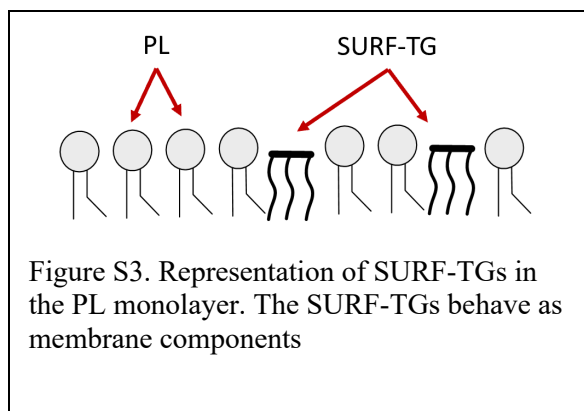
Supplementary Material

Capturing the liquid-crystalline phase transformation: Implications for protein targeting to sterol ester-rich lipid droplets

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SI table S1. The average magnitude of interdigitation of neutral lipids for multiple LD species. The calculation were taken after 4 μ s to allow for equilibration

| LD type | 90:10 CHYO:TG LD | 50:50 CHYO:TG LD | Pure TG LD |
|----------|-------------------|-------------------|-------------|
| SURF-TG | 0.130 \pm 0.014 | 0.605 \pm 0.039 | \sim 1.27 |
| CORE-TG | 1.188 \pm 0.155 | 1.657 \pm 0.139 | \sim 1.83 |
| TG total | 1.294 \pm 0.157 | 1.998 \pm 0.127 | \sim 2.42 |
| CHYO | 1.278 \pm 0.097 | 1.678 \pm 0.129 | |

Standard errors SURF: 90:10 TG: 0.001, 50:50 TG: 0.001

Standard errors CORE: 90:10 CHYO: 0.005, 50:50 CHYO: 0.008, 90:10 TG: 0.008, 50:50 TG: 0.007

Standard errors total: 90:10 CHYO: 0.005, 50:50 CHYO: 0.008, 90:10 TG: 0.008, 50:50 TG: 0.007

