Supplementary Material: Effect of tension and curvature on the chemical potential of lipids inlipid aggregates†

Andrea Grafmüller,[*a] Reinhard Lipowsky,[a] and Volker Knecht[a]*

Figure S1

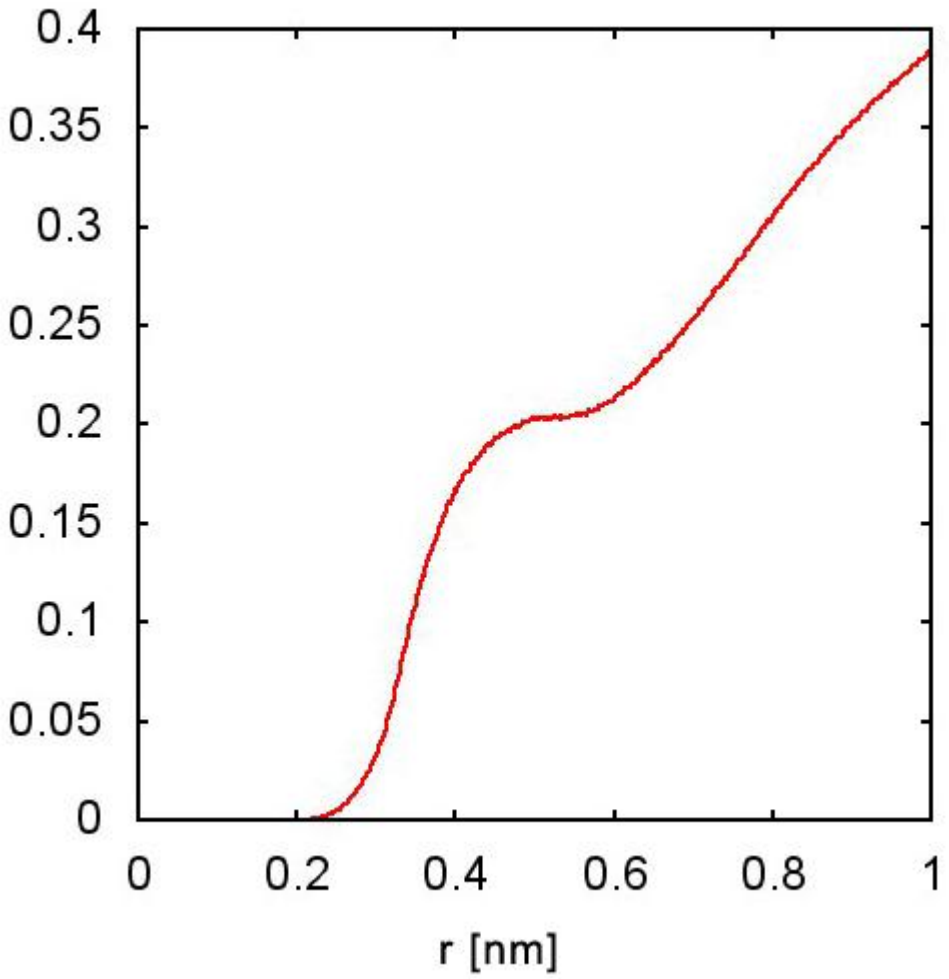

Figure S1: Radial distribution function for the distance r of water molecules from the atoms in the hydrocharbon chains of the lipid tails. The first minimum (0.56 nm) is taken as the cutoff distance for the number of contacts analysis.

Figure S2

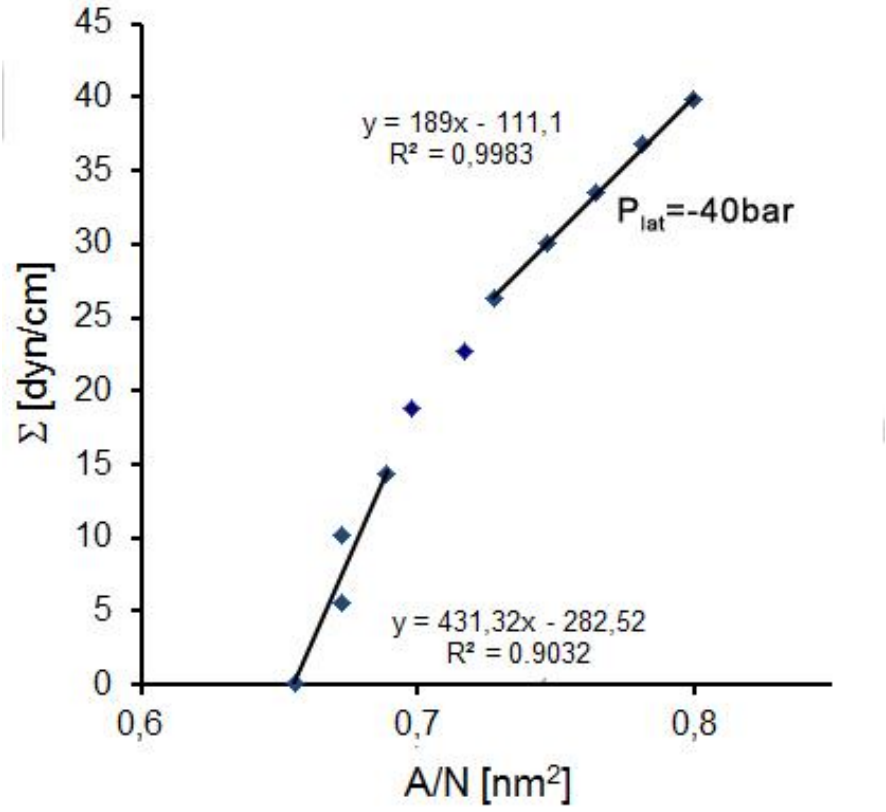

Figure S2: The membrane tension Σ as a function of the area per lipid. The elastic modulus of the bilayer is estimated from the gradient close to $P_{\mathrm{lat}} = 1$ bar and $P_{\mathrm{lat}} = 40$ bar, and the area per molecule, A/N, is found to be $A/N = 0.66\ \mathrm{nm}^2$ and $A/N = 0.76\ \mathrm{nm}^2$ at the two lateral pressures respectively.