SUPPLEMENTARY DATA

Calcium mediated interaction of calf-thymus DNA with monolayers of distearoylphosphatidylcholine: a neutron and X-ray reflectivity study

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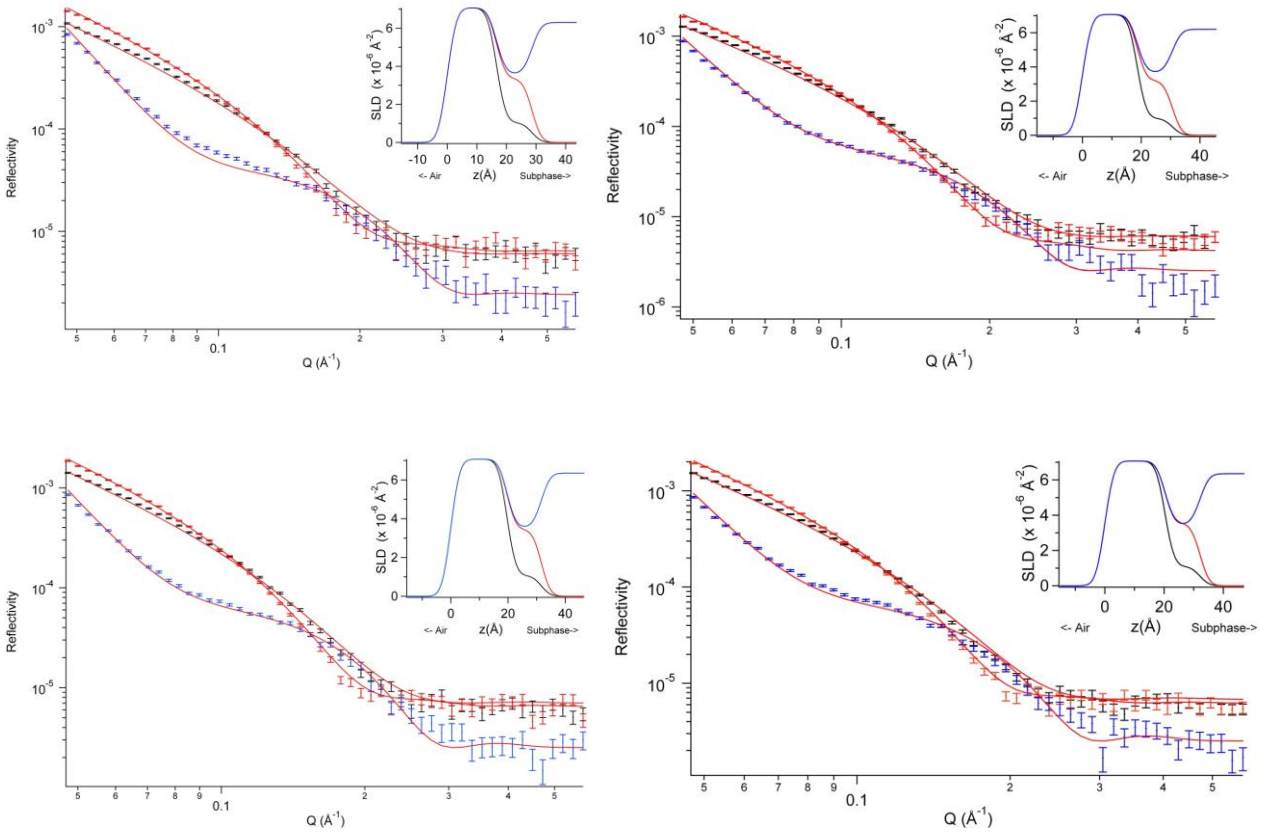
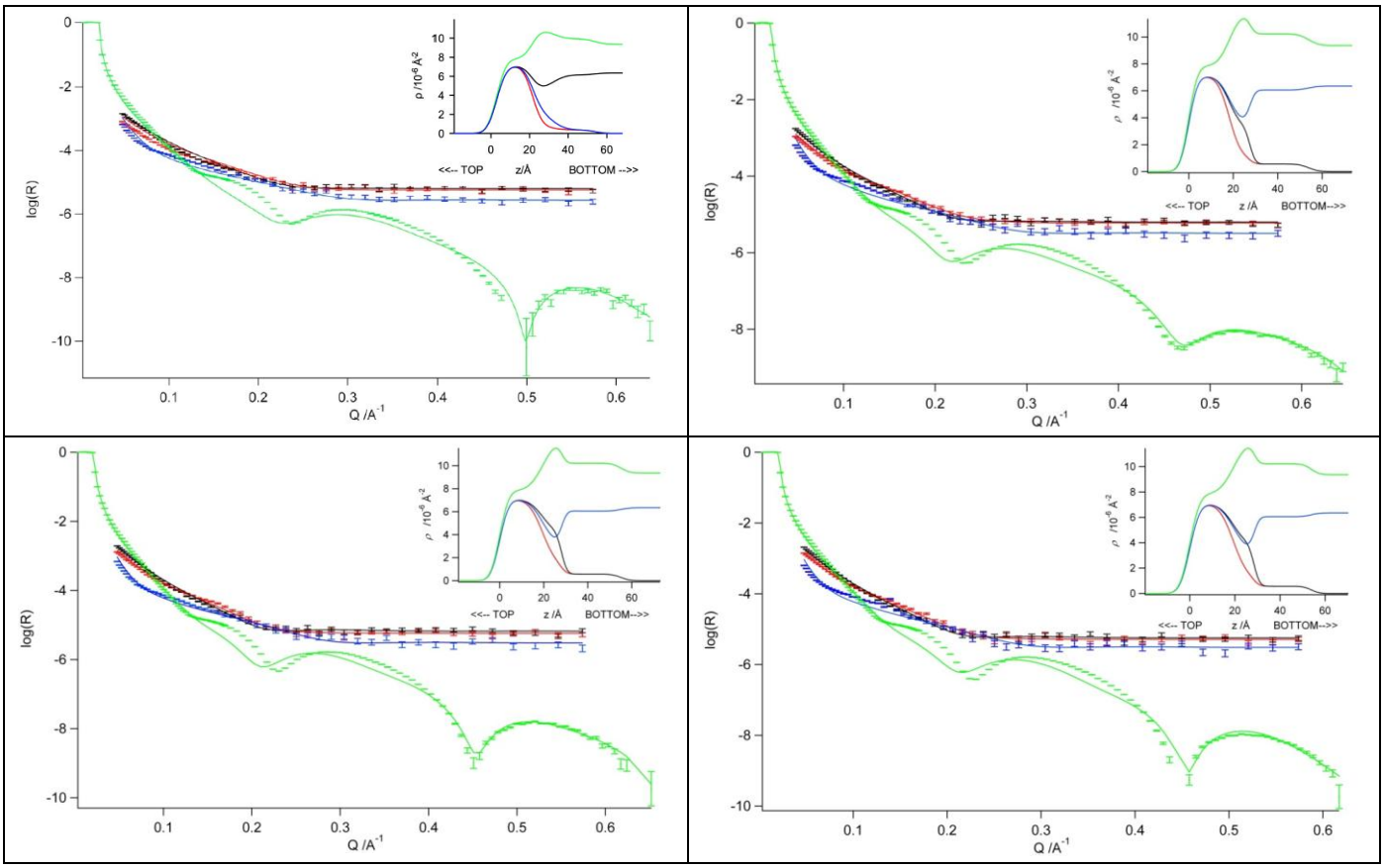


Supplementary Figure 1. Measured and fitted reflectivity profiles for DSPC monolayers on a sub-phase containing 20mM $CaCl_2$ - with Motofit simultaneous fitting of a two-layer model using the data for d_{70}-DSPC on acmw (black), d_{83}-DSPC on acmw (red) and d_{70}-DSPC on D_2O (blue). The monolayers were maintained at surface pressures of (A) 10 mN m^{-1}; (B) 20 mN m^{-1}; (C) 30 mN m^{-1}; and (D) 40 mN m^{-1}. Insert to each figure shows the scattering length density profiles calculated from the fit to that data set as a function of the interface in the z-direction.



Supplementary Figure 2. Measured and fitted reflectivity profiles for DSPC monolayers on a sub-phase containing 20mM $CaCl_2$ and DNA (0.067 mg/mL) - with Motofit simultaneous fitting of a three-layer model using the data for d_{70}-DSPC on acmw (black), d_{83}-DSPC on acmw (red), d_{70}-DSPC on D_2O (blue) and *h*-DSPC on H_2O. The monolayers were maintained at surface pressures of (A) 10 mN m^{-1}; (B) 20 mN m^{-1}; (C) 30 mN m^{-1}; and (D) 40 mN m^{-1}. Insert to each figure shows the scattering length density profiles calculated from the fit to that data set as a function of the interface in the z-direction.