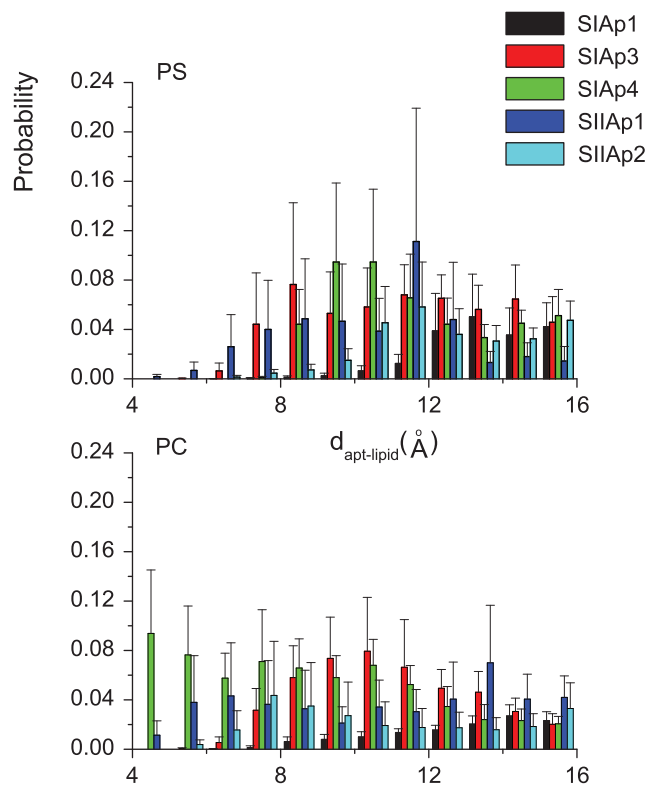# Supplementary Data

SUPPLEMENTARY FIG. S1. Probabilities of designed aptamers and lipid at a specific separation distance (d). The histograms plot probabilities of designed aptamers away from phosphatidylserine (PS) at $d_{apt\text{-}PS}$ distance (*upper panel*) and away from phosphatidylcholine (PC) at $d_{apt\text{-}PC}$ (*lower panel*) during 10-nanosecond simulations. Note that all probability points are calculated within every consecutive 1Å interval.