S3 Fig. Lipid order parameters $S_{CD}$ as a function of membrane-AnxA2 and membrane-Ca$^{2+}$ interactions. (A) System A. (B) System C. In the upper and lower plots the horizontal axes represent membrane-AnxA2 and membrane-Ca$^{2+}$ interaction energies, respectively. Shown are the average values for the last 20 ns of the 200 ns simulation. The PI(4,5)P$_2$ and POPS lipids which significantly interacted with both AnxA2 as well as with Ca$^{2+}$ ions are shown in yellow.