

## TABLES

TABLE I. Summary of MD simulations on cationic mixed DMPC/DMTAP lipid bilayers.

$\chi_{\text{TAP}}$	Atoms <sup>a</sup>	DMPC	DMTAP	Water	Cl ions	$T_{\text{sim}}^{\text{b}}$ [ns]	$\langle A \rangle^{\text{c}}$ [nm <sup>2</sup> ]	Error <sup>d</sup> [nm <sup>2</sup> ]
0.0	16853	128	0	3655	0	20	0.656	$\pm 0.008$
0.06	16781	120	8	3647	8	20	0.635	$\pm 0.007$
0.16	16673	108	20	3635	20	22	0.607	$\pm 0.006$
0.25	16565	96	32	3623	32	22	0.598	$\pm 0.006$
0.31	16493	88	40	3615	40	20	0.579	$\pm 0.007$
0.39	16403	78	50	3605	50	20	0.585	$\pm 0.007$
0.50	16227	64	64	3591	64	30	0.577	$\pm 0.006$
0.63	16133	48	80	3575	80	25	0.585	$\pm 0.006$
0.75	15989	32	96	3559	96	22	0.608	$\pm 0.008$
0.89	15827	14	114	3541	114	25	0.665	$\pm 0.007$
1.0	15701	0	128	3527	128	24	0.712	$\pm 0.007$

<sup>a</sup>Total number of atoms in the system.

<sup>b</sup>Total simulation time.

<sup>c</sup>Area per lipid averaged over last 10 ns.

<sup>d</sup>Standard deviation from the average.