

Figure 3 - source data 1

Membrane partitioning data for cPLA2 α C2-domains mutated in PC binding region

Figure 3A (SPR data)

C2 domain conc. (μ M)	C2 WT	Y96F	Y96A	N65D
0.00	0.00	0.00	0.00	0.00
0.10	10.72	10.43	1.89	2.63
0.20	26.35	23.37	4.12	5.81
0.40	44.29	43.70	9.18	9.90
0.60	57.12	51.53	13.41	14.22
1.00	68.78	58.39	18.31	20.94
2.00	79.89	67.15	28.58	32.01
4.00	84.69	75.06	39.52	43.39

Figure 3B (FRET data)

[Ca ²⁺ conc.] (μ M)	C2 WT	Y96F	Y96A	N65D
0.00	0.00	0.00	0.00	0.00
0.22	0.01	0.02	-0.01	-0.01
0.60	0.07	0.03	0.03	0.03
1.00	0.15	0.07	0.03	0.05
2.20	0.52	0.13	0.05	0.11
6.00	0.87	0.54	0.16	0.28
10.00	0.93	0.66	0.24	0.32
22.00	0.96	0.70	0.31	0.48
60.00	0.97	0.81	0.36	0.67
100.00	0.98	0.78	0.43	0.69
220.00	1.00	0.84	0.47	0.74

Figure 3C (FRET data)

[Lipid conc.] (μ M)	C2 WT	Y96F	Y96A	N65D
0.00	0.00	0.00	0.00	0.00
0.44	0.21	0.21	0.05	0.06
0.72	0.40	0.38	0.09	0.10
1.20	0.44	0.38	0.21	0.21
2.00	0.66	0.64	0.30	0.29
4.40	0.95	0.84	0.51	0.64
7.20	1.12	0.96	0.70	0.81
12.00	1.14	1.10	0.83	0.92
20.00	1.22	1.11	0.97	1.00

Figure 3 - source data 1

Figure 3D (FRET data)

	Affinity	SD
WT	1.00	0.10
Y96A	0.27	0.04
Y96F	0.99	0.09
N65D	0.35	0.02