Table 1: POPC and PoxnoPC composition at each oxidation level. The last column shows the percentage of oxidized lipids relative to all PO-type glycerophospholipids (POPC + POPE + POPI + POPS = 85%).

Oxidation level (%)	**POPC (%)**	**PoxnoPC (%)**	**Oxidized PO lipids (%)**
0	47.0	0.0	0.0
25	35.2	11.8	13.9
50	23.5	23.5	27.6
75	11.8	35.2	41.4
100	0.0	47.0	55.3

Table 2: Percentage distribution of POPC, PoxnoPC, and CHL molecules participating in proto-clusters, small clusters, and raft-like clusters at different POPC oxidation levels. Values represent mean ± standard deviation from three replicas.

	POPC + PoxnoPC		
Oxidation level	**Proto cluster**	**Small cluster**	**Raft-like cluster**
0%	23.25 ± 0.67	8.41 ± 0.71	0.12 ± 0.05
25%	22.51 ± 0.55	8.37 ± 0.75	0.06 ± 0.03
50%	20.93 ± 0.66	8.96 ± 0.79	0.41 ± 0.10
75%	17.86 ± 0.76	5.04 ± 0.38	0.02 ± 0.02
100%	19.29 ± 0.69	6.28 ± 0.32	0.06 ± 0.03

Table 3: Percentage distribution of POPC, PoxnoPC, and CHL molecules participating in proto-clusters, small clusters, and raft-like clusters at different POPC oxidation levels. Values represent mean ± standard deviation from three replicas.

	POPC + PoxnoPC + CHL		
Oxidation level	**Proto cluster**	**Small cluster**	**Raft-like cluster**
0%	14.17 ± 0.51	27.98 ± 0.82	39.73 ± 0.73
25%	15.09 ± 1.54	27.95 ± 1.25	37.78 ± 1.27
50%	15.14 ± 1.55	25.33 ± 0.95	35.37 ± 1.42
75%	17.94 ± 0.91	30.73 ± 1.36	24.18 ± 1.11
100%	15.88 ± 0.66	31.11 ± 0.97	25.89 ± 0.67