

Table S2. Abundance of individual phospholipid species in mitochondrial membranes of *Chaenocephalus aceratus* and *Notothenia coriiceps*

	Possible species	<i>C. aceratus</i>	<i>N. coriiceps</i>
CL	18:2-18:0-22:6-22:6 22:6-22:6-18:1-18:1 22:6-20:4-20:3-18:1	1.12±0.08	0.67±0.10*
	20:4-20:4-22:6-22:5 18:2-22:6-22:6-22:5 22:6-22:6-22:6-18:1 22:6-22:6-20:4-20:3	0.85±0.07	0.99±0.07
MPC	D16:0-18:1 D16:1-18:0	3.66±0.09	1.79±0.10*
	D16:1-20:5	2.37±0.08	1.75±0.26
	D16:0-20:5 D16:1-20:4	6.17±0.42	3.83±0.35*
	D16:1-22:6 D18:2-20:5	2.24±0.22	1.85±0.22
	D16:0-22:6 D18:1-20:5 D18:2-20:4	16.76±1.12	17.81±0.90
	D18:1-22:6	2.53±0.26	2.18±0.20
	D18:0-22:6 D18:1-22:5	1.04±0.06	0.93±0.05
LPC	20:5	2.63±0.44	2.11±0.27
	22:6	6.11±0.91	13.33±1.56*
PE	D16:0-20:5 D16:1-20:4	1.48±0.15	1.79±0.20
	P16:0-22:6 P18:1-20:5 A18:2-20:5 P18:2-20:4 P18:1-20:4	1.35±0.05	1.36±0.08
	P18:0-20:5 A18:1-20:5 A16:0-22:6 P16:0-22:5 P18:2-20:3 A16:1-22:5 A18:2-20:4	1.36±0.09	1.84±0.10*
	D16:1-22:6 D18:2-20:5	1.20±0.06	1.57±0.06*
	D16:0-22:6 D18:1-20:5 D18:2-20:4	13.90±1.00	13.72±1.05
	D18:1-20:4 D18:0-20:5 D16:0-22:5	1.46±0.07	1.88±0.13*
	D18:0-20:4 D18:1-20:3 D16:0-22:4	0.80±0.06	1.01±0.07
	P18:1-22:6 A18:2-22:6 P18:2-22:5	2.07±0.08	1.41±0.04*

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P18:0-22:6	1.32±0.06	1.41±0.11
P18:1-22:5		
A18:1-22:6		
A18:2-22:5		
D18:1-22:6	12.57±0.50	8.95±0.67*
D18:2-22:5		
D18:0-22:6	6.86±0.40	5.39±0.48*
D18:1-22:5		

Total phosphate (mmol l⁻¹) 18.07±1.61 11.38±0.89*

Values are expressed as means ± s.e.m. *N*=6. Only phospholipids present in amounts > 1 mol% for at least one of the species are shown. When all phospholipid species are included, the total abundance equals 100 mol%. CL, cardiolipin; MPC, major phosphatidylcholine; LPC, lysophosphatidylcholine; PE, phosphatidylethanolamine. D, phosphatidyl (ester linked); A, plasmalogen (alkyl ether linked); and P, plasmalogen (vinyl ether linked). Significant differences in abundance of individual phospholipids between species are indicated with asterisks. *P*<0.05.
