
Characterization and Bioactivities of Phospholipids from Squid Viscera and Gonad by Ultra Performance Liquid Chromatography-Q-Exactive Orbitrap/Mass Spectrometry-Based Lipidomics and Zebrafish Models

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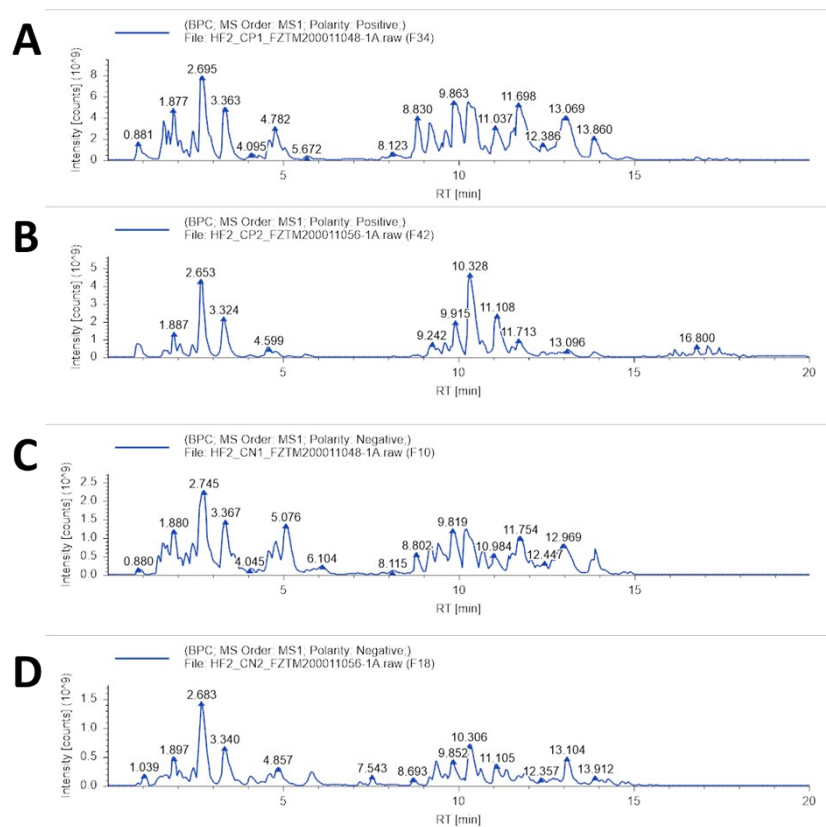


Figure S1. The total ion chromatograms (TICs) of the total phospholipids. (A) the total phospholipids from squid gonad in positive ionization mode, (B) the total phospholipids from squid viscera in positive ionization mode, (C) the total phospholipids from squid gonad in negative ionization mode and (D) the total phospholipids from squid viscera in negative ionization mode.

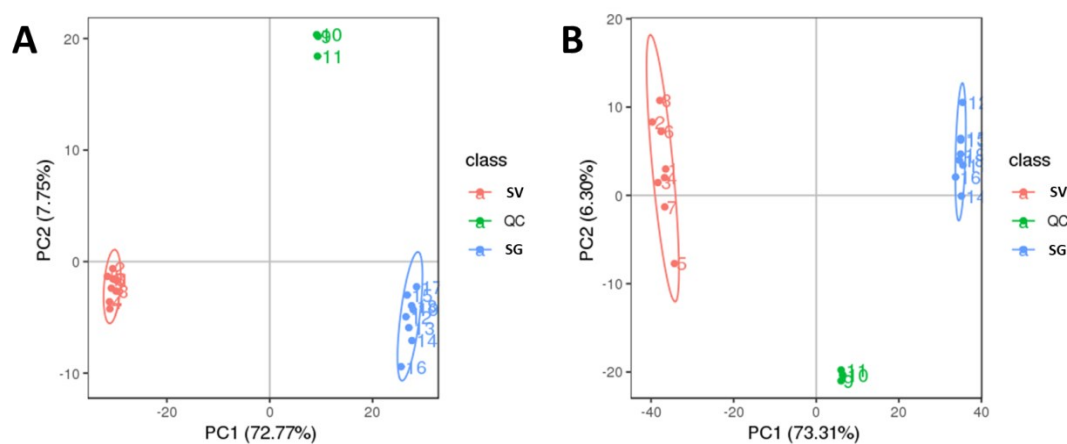


Figure S2. PCA score plot for phospholipid groups of squid viscera and gonad (n = 8). SV, squid viscera PLs; SG, squid gonad PLs; QC, Quality Control.

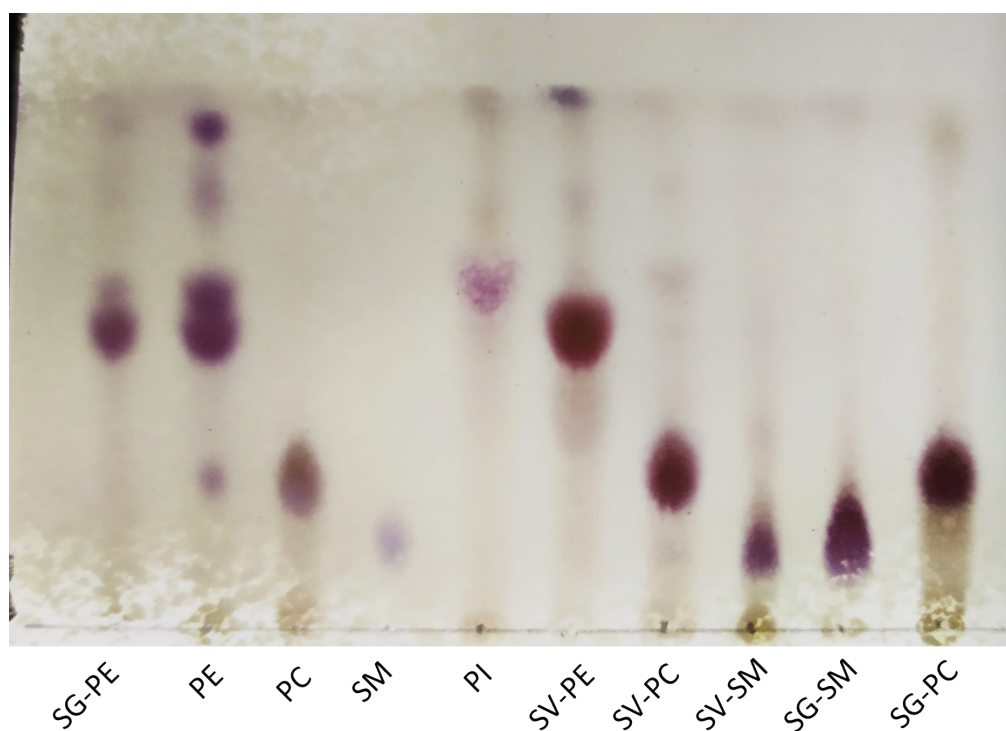


Figure S3. TLC analysis of three PL classes (PC, PE and SM) from squid viscera and gonad according to the PL standards. SV, squid viscera PLs; SG, squid gonad PLs; QC, Quality Control.

Table S1. Phospholipid molecular species in squid viscera and gonad identified by UHPLC-Q-Exactive Orbitrap /MS method

NO.	Name	Formula	Molecular Weight	RT [min]	Ion mode	NZ (%)	SZX (%)
1	LPA 20:1	C23 H45 O7 P	464.2919	4.902	Neg	0.0004	0.0024
2	LPA 22:6	C25 H39 O7 P	482.2444	1.894	Neg	0.0007	0.0011
3	LPC 12:0	C20 H42 N O7 P	439.2697	1.287	Pos	0.0019	0.0047
4	LPC 13:0	C21 H44 N O7 P	453.2853	1.467	Pos	0.0020	0.0024
5	LPC 14:0	C22 H46 N O7 P	467.3008	1.738	Pos	0.3399	0.9801
6	LPC 14:1	C22 H44 N O7 P	465.2854	1.38	Pos	0.0128	0.0184
7	LPC 15:0	C23 H48 N O7 P	481.3165	2.136	Pos	0.2529	0.1993
8	LPC 15:1	C23 H46 N O7 P	479.301	1.684	Pos	0.0089	0.0029
9	LPC 16:0	C24 H50 N O7 P	495.3322	9.074	Pos	0.0002	0.0010
10	LPC 16:1	C24 H48 N O7 P	493.3165	1.879	Pos	0.1909	0.2593
11	LPC 16:2	C24 H46 N O7 P	491.3009	1.68	Pos	0.0128	0.0036
12	LPC 16:4	C24 H42 N O7 P	487.2676	1.328	Pos	0.0009	0.0007
13	LPC 17:0	C25 H52 N O7 P	509.3478	3.214	Pos	0.1174	0.0831
14	LPC 17:1	C25 H50 N O7 P	469.3762	2.372	Pos	0.0961	0.0689
15	LPC 17:2	C25 H48 N O7 P	505.3166	1.973	Pos	0.0218	0.0042
16	LPC 18:0	C26 H54 N O7 P	523.3635	4.626	Pos	1.8697	1.3673
17	LPC 18:1	C26 H52 N O7 P	521.3478	2.917	Pos	0.7759	1.4802
18	LPC 18:2	C26 H50 N O7 P	565.3395	2.1	Neg	0.0214	0.0149
19	LPC 18:3	C26 H48 N O7 P	517.3162	1.666	Pos	0.0143	0.0133
20	LPC 18:4	C26 H46 N O7 P	515.3009	1.424	Pos	0.0109	0.0372
21	LPC 19:0	C27 H56 N O7 P	537.379	5.392	Pos	0.0152	0.0148
22	LPC 19:1	C27 H54 N O7 P	535.3635	3.765	Pos	0.1658	0.0882
23	LPC 19:2	C27 H52 N O7 P	533.3474	2.581	Pos	0.0010	0.0008
24	LPC 20:0	C28 H58 N O7 P	551.3942	6.536	Pos	0.0204	0.0085
25	LPC 20:1	C28 H56 N O7 P	549.379	5.017	Pos	0.9977	0.3659
26	LPC 20:2	C28 H54 N O7 P	565.3739	3.229	Pos	0.0559	0.0762
27	LPC 20:3	C28 H52 N O7 P	545.3479	2.132	Pos	0.0205	0.0058
28	LPC 20:4	C28 H50 N O7 P	543.332	2.011	Pos	0.2028	0.0763
29	LPC 20:5	C28 H48 N O7 P	541.3164	1.614	Pos	0.6753	1.7018
30	LPC 21:0	C29 H60 N O7 P	565.4101	7.677	Pos	0.0115	0.0003
31	LPC 21:1	C29 H58 N O7 P	609.4022	5.959	Neg	0.0032	0.0023
32	LPC 21:2	C29 H56 N O7 P	607.3865	4.837	Neg	0.0025	0.0008
33	LPC 22:0	C30 H62 N O7 P	579.4259	8.29	Pos	0.0353	0.0007
34	LPC 22:1	C30 H60 N O7 P	577.4104	7.051	Pos	0.0832	0.0174
35	LPC 22:2	C30 H58 N O7 P	575.3949	5.479	Pos	0.0171	0.0112
36	LPC 22:3	C30 H56 N O7 P	573.3791	3.806	Pos	0.0038	0.0009
37	LPC 22:4	C30 H54 N O7 P	571.3627	2.833	Pos	0.0130	0.0018
38	LPC 22:5	C30 H52 N O7 P	569.3477	2.452	Pos	0.0758	0.0358
39	LPC 22:6	C30 H50 N O7 P	567.332	1.897	Pos	2.3782	2.6152

40	LPC 23:0	C31 H64 N O7 P	593.4415	8.934	Pos	0.0129	0.0004
41	LPC 24:0	C32 H66 N O7 P	607.4571	9.599	Pos	0.2068	0.0003
42	LPC 24:1	C32 H64 N O7 P	605.4416	8.185	Pos	0.1915	0.0068
43	LPC 24:2	C32 H62 N O7 P	603.4262	7.28	Pos	0.0112	0.0016
44	LPC 24:4	C32 H58 N O7 P	599.3943	4.347	Pos	0.0015	0.0002
45	LPC 25:0	C33 H68 N O7 P	621.4726	10.498	Pos	0.0048	0.0003
46	LPC 26:1	C34 H68 N O7 P	633.4726	9.411	Pos	0.0285	0.0003
47	LPC 26:2	C34 H66 N O7 P	631.4575	8.403	Pos	0.0027	0.0003
48	LPC 26:4	C34 H62 N O7 P	627.4233	6.519	Pos	0.0021	0.0007
49	LPC a C26:0	C34 H70 N O7 P	635.4886	8.843	Pos	0.0018	0.0003
50	LPC a C26:1	C34 H68 N O7 P	633.4756	6.373	Neg	0.0012	0.0106
51	LPC a C28:1	C36 H72 N O7 P	661.5073	7.987	Neg	0.0002	0.0018
52	LPC(14:1(9Z)/0:0)	C22 H44 N O7 P	465.2867	2.941	Neg	0.0104	0.0019
53	LPC(18:3(9Z,12Z,15Z))	C26 H48 N O7 P	517.3182	3.01	Neg	0.0008	0.0014
54	LPC(18:4(6Z,9Z,12Z,15Z))	C26 H46 N O7 P	515.3028	2.141	Neg	0.0007	0.0005
55	LPC(20:5(5Z,8Z,11Z,14Z,17Z))	C28 H48 N O7 P	541.3185	1.991	Neg	0.0046	0.0004
56	LPC(22:1(13Z))	C30 H60 N O7 P	577.4109	5.23	Pos	0.0015	0.0008
57	LPC(22:2(13Z,16Z))	C30 H58 N O7 P	575.3968	5.105	Neg	0.0038	0.0003
58	LPC(22:4(7Z,10Z,13Z,16Z))	C30 H54 N O7 P	571.3618	6.486	Pos	0.0003	0.0006
59	LPC(22:5(7Z,10Z,13Z,16Z,19Z))	C30 H52 N O7 P	569.3458	3.692	Pos	0.0013	0.0003
60	LPC(24:1(15Z))	C32 H64 N O7 P	605.4448	6.828	Neg	0.0019	0.0002
61	LPC(P-18:0)	C26 H54 N O6 P	507.37	7.78	Neg	0.0016	0.0000
62	LPE 14:0	C19 H40 N O7 P	425.2554	1.826	Neg	0.0042	0.0137
63	LPE 15:0	C20 H42 N O7 P	439.2697	2.23	Pos	0.0017	0.0015
64	LPE 16:0	C21 H44 N O7 P	453.2852	2.854	Pos	0.1895	0.2814
65	LPE 16:1	C21 H42 N O7 P	451.271	1.954	Neg	0.0060	0.0086
66	LPE 17:0	C22 H46 N O7 P	467.3022	3.706	Neg	0.0869	0.0261
67	LPE 17:1	C22 H44 N O7 P	465.2866	2.442	Neg	0.0080	0.0040
68	LPE 18:0	C23 H48 N O7 P	481.318	4.869	Neg	0.7394	0.1749
69	LPE 18:1	C23 H46 N O7 P	479.3024	3.059	Neg	0.1346	0.2517
70	LPE 18:2	C23 H44 N O7 P	477.2867	2.219	Neg	0.0027	0.0037
71	LPE 18:4	C23 H40 N O7 P	473.2553	1.454	Neg	0.0001	0.0003
72	LPE 19:0	C24 H50 N O7 P	495.3338	6.119	Neg	0.0195	0.0021
73	LPE 19:1	C24 H48 N O7 P	493.3182	3.936	Neg	0.0175	0.0320
74	LPE 20:0	C25 H52 N O7 P	509.3493	7.183	Neg	0.0136	0.0021
75	LPE 20:1	C25 H50 N O7 P	507.3336	5.077	Neg	0.2779	1.1567
76	LPE 20:2	C25 H48 N O7 P	505.3184	3.393	Neg	0.0188	0.0306
77	LPE 20:3	C25 H46 N O7 P	503.3027	2.507	Neg	0.0075	0.0356
78	LPE 20:4	C25 H44 N O7 P	501.2852	12.713	Pos	0.0025	0.0006

79	LPE 20:5	C25 H42 N O7 P	499.2712	1.654	Neg	0.2223	0.3560
80	LPE 21:0	C26 H54 N O7 P	523.3652	7.786	Neg	0.0012	0.0001
81	LPE 21:1	C26 H52 N O7 P	521.3494	6.306	Neg	0.0011	0.0030
82	LPE 21:2	C26 H50 N O7 P	519.3335	5.107	Neg	0.0030	0.0017
83	LPE 22:0	C27 H56 N O7 P	537.3811	8.42	Neg	0.0010	0.0000
84	LPE 22:1	C27 H54 N O7 P	535.3651	7.205	Neg	0.0030	0.0010
85	LPE 22:2	C27 H52 N O7 P	533.3496	5.696	Neg	0.0064	0.0056
86	LPE 22:4	C27 H48 N O7 P	529.3183	2.972	Neg	0.0042	0.0007
87	LPE 22:5	C27 H46 N O7 P	527.3026	2.244	Neg	0.0064	0.0083
88	LPE 22:6	C27 H44 N O7 P	525.2867	1.966	Neg	0.2678	0.2930
89	LPE 24:1	C29 H58 N O7 P	563.3966	8.304	Neg	0.0016	0.0000
90	LPE(22:6(4Z,7Z,10Z,13Z,16Z,19Z)/0:0)	C27 H44 N O7 P	525.2855	17.619	Pos	0.0007	0.0002
91	LPG 16:0	C22 H45 O9 P	484.2814	2.424	Neg	0.0212	0.0050
92	LPG 17:0	C23 H47 O9 P	498.2974	3.081	Neg	0.0026	0.0003
93	LPG 18:0	C24 H49 O9 P	452.2914	4.073	Neg	0.0293	0.0057
94	LPG 18:1	C24 H47 O9 P	510.297	2.563	Neg	0.0150	0.0111
95	LPG 20:1	C26 H51 O9 P	538.3285	4.228	Neg	0.0100	0.0141
96	LPG 20:2	C26 H49 O9 P	536.3131	2.878	Neg	0.0010	0.0008
97	LPG 20:4	C26 H45 O9 P	532.2815	1.85	Neg	0.0031	0.0003
98	LPG 20:5	C26 H43 O9 P	530.2658	1.491	Neg	0.0185	0.0064
99	LPG 22:6	C28 H45 O9 P	556.2816	1.74	Neg	0.0386	0.0226
100	LPI 16:0	C25 H49 O12 P	572.2976	2.282	Neg	0.0001	0.0023
101	LPI 18:0	C27 H53 O12 P	600.3294	3.835	Neg	0.0004	0.0059
102	LPI 18:1	C27 H51 O12 P	598.3136	2.456	Neg	0.0002	0.0026
103	LPI 20:1	C29 H55 O12 P	626.3451	3.969	Neg	0.0002	0.0055
104	LPI 20:5	C29 H47 O12 P	618.2822	1.399	Neg	0.0017	0.0321
105	LPS 16:0	C22 H44 N O9 P	497.2767	2.277	Neg	0.0005	0.0346
106	LPS 17:0	C23 H46 N O9 P	511.2921	2.897	Neg	0.0004	0.0021
107	LPS 18:0	C24 H48 N O9 P	525.3081	3.809	Neg	0.0027	0.0127
108	LPS 18:1	C24 H46 N O9 P	523.2924	2.458	Neg	0.0003	0.0076
109	LPS 19:1	C25 H48 N O9 P	537.3082	3.011	Neg	0.0002	0.0029
110	LPS 20:1	C26 H50 N O9 P	551.3238	3.968	Neg	0.0022	0.0346
111	LPS 20:2	C26 H48 N O9 P	549.3085	2.885	Neg	0.0006	0.0018
112	LPS 20:5	C26 H42 N O9 P	543.2612	1.412	Neg	0.0021	0.0123
113	LPS 22:6	C28 H44 N O9 P	569.2769	1.619	Neg	0.0039	0.0137
114	PA (16:0/20:1)	C39 H75 O8 P	702.522	13.077	Neg	0.0005	0.0010
115	PA (16:0/22:6)	C41 H69 O8 P	720.4754	10.451	Neg	0.0006	0.0014
116	PA (18:0/20:1)	C41 H79 O8 P	730.5546	14.138	Neg	0.0006	0.0007
117	PA (18:0/20:4)	C41 H73 O8 P	724.5066	11.765	Neg	0.0010	0.0003
118	PA (18:0/20:5)	C41 H71 O8 P	722.4907	11.282	Neg	0.0009	0.0015
119	PC	C44 H84 N O8 P	785.5967	11.949	Neg	0.0086	0.0021
120	PC (10:0/10:0)	C28 H56 N O8 P	565.3743	2.478	Pos	0.0009	0.0013

121	PC (10:0/11:0)	C29 H58 N O8 P	579.4013	2.597	Pos	0.0003	0.0005
122	PC (10:0/13:1)	C31 H60 N O8 P	605.4167	3.241	Pos	0.0013	0.0015
123	PC (10:0/16:3)	C34 H62 N O8 P	643.4206	3.593	Pos	0.0003	0.0022
124	PC (10:0/16:4)	C34 H60 N O8 P	687.4134	2.508	Neg	0.0037	0.0001
125	PC (11:0/11:0)	C30 H60 N O8 P	593.4057	3.451	Pos	0.0039	0.0006
126	PC (11:0/12:0)	C31 H62 N O8 P	607.4321	4.344	Pos	0.0037	0.0083
127	PC (11:0/13:1)	C32 H62 N O8 P	619.4207	6.98	Pos	0.0005	0.0003
128	PC (11:0/16:3)	C35 H64 N O8 P	657.4368	7.667	Pos	0.0003	0.0005
129	PC (11:0/22:6)	C41 H70 N O8 P	781.4743	7.871	Neg	0.0004	0.0000
130	PC (12:0/12:0)	C32 H64 N O8 P	621.4365	7.492	Pos	0.0001	0.0004
131	PC (12:0/13:1)	C33 H64 N O8 P	633.4365	6.473	Pos	0.0001	0.0004
132	PC (12:0/14:0)	C34 H68 N O8 P	695.4818	8.031	Neg	0.0019	0.0001
133	PC (12:0/15:0)	C35 H70 N O8 P	663.4834	8.768	Pos	0.0025	0.0009
134	PC (12:0/16:1)	C36 H70 N O8 P	675.4833	8.43	Pos	0.0075	0.0227
135	PC (12:0/16:3)	C36 H66 N O8 P	671.4523	5.872	Pos	0.0007	0.0100
136	PC (12:0/16:4)	C36 H64 N O8 P	669.4367	5.574	Pos	0.0001	0.0104
137	PC (12:0/18:3)	C38 H70 N O8 P	699.4823	8.035	Pos	0.0007	0.0039
138	PC (12:0/18:4)	C38 H68 N O8 P	697.4675	7.573	Pos	0.0003	0.0052
139	PC (12:0/20:5)	C40 H70 N O8 P	723.4832	7.875	Pos	0.0017	0.0850
140	PC (12:0/22:6)	C42 H72 N O8 P	749.4987	8.251	Pos	0.0060	0.2316
141	PC (13:0/13:0)	C34 H68 N O8 P	649.4675	8.261	Pos	0.0012	0.0043
142	PC (13:0/13:1)	C34 H66 N O8 P	647.4523	7.482	Pos	0.0002	0.0006
143	PC (13:0/14:1)	C35 H68 N O8 P	661.4676	7.993	Pos	0.0005	0.0006
144	PC (13:0/16:3)	C37 H68 N O8 P	685.4675	6.5	Pos	0.0004	0.0038
145	PC (13:0/16:4)	C37 H66 N O8 P	683.4516	5.081	Pos	0.0007	0.0081
146	PC (13:0/20:5)	C41 H72 N O8 P	737.499	8.531	Pos	0.0026	0.0101
147	PC (13:0/22:6)	C43 H74 N O8 P	809.5235	8.66	Neg	0.0012	0.0042
148	PC (13:1/13:1)	C34 H64 N O8 P	645.4366	5.123	Pos	0.0004	0.0087
149	PC (13:1/14:1)	C35 H66 N O8 P	659.4521	6.663	Pos	0.0003	0.0029
150	PC (13:1/16:4)	C37 H64 N O8 P	681.4357	7.408	Pos	0.0001	0.0006
151	PC (13:1/18:5)	C39 H66 N O8 P	707.4523	7.4	Pos	0.0001	0.0008
152	PC (14:0/14:0)	C36 H72 N O8 P	677.4986	9.306	Pos	0.1611	0.0212
153	PC (14:0/14:1)	C36 H70 N O8 P	721.4916	8.401	Neg	0.0019	0.0035
154	PC (14:0/15:0)	C37 H74 N O8 P	691.5168	8.761	Pos	0.0010	0.0005
155	PC (14:0/15:1)	C37 H72 N O8 P	689.4993	10.818	Pos	0.0024	0.0007
156	PC (14:0/16:0)	C38 H76 N O8 P	705.5301	10.477	Pos	0.4688	0.0310
157	PC (14:0/16:1)	C38 H74 N O8 P	703.5151	9.465	Pos	0.1322	0.1061
158	PC (14:0/16:3)	C38 H70 N O8 P	699.4835	7.518	Pos	0.0008	0.0014
159	PC (14:0/16:4)	C38 H68 N O8 P	697.4678	6.086	Pos	0.0001	0.0018
160	PC (14:0/17:0)	C39 H78 N O8 P	719.5458	9.787	Pos	0.0174	0.0032
161	PC (14:0/18:1)	C40 H78 N O8 P	731.5458	10.571	Pos	0.8509	0.6405
162	PC (14:0/18:3)	C40 H74 N O8 P	727.5148	8.974	Pos	0.0063	0.0468
163	PC (14:0/18:4)	C40 H72 N O8 P	771.5079	8.445	Neg	0.0018	0.0241

164	PC (14:0/20:5)	C42 H74 N O8 P	751.5145	8.839	Pos	0.3771	2.7508
165	PC (14:0/22:5)	C44 H78 N O8 P	779.5359	9.27	Pos	0.1788	0.1652
166	PC (14:0e/14:0)	C36 H74 N O7 P	663.5197	10.037	Pos	0.0608	0.0041
167	PC (14:0e/15:0)	C37 H76 N O7 P	677.5352	10.634	Pos	0.0354	0.0020
168	PC (14:0e/15:1)	C37 H74 N O7 P	675.5197	9.973	Pos	0.0150	0.0006
169	PC (14:0e/16:0)	C38 H78 N O7 P	691.551	11.275	Pos	0.3300	0.0468
170	PC (14:0e/16:1)	C38 H76 N O7 P	689.5353	10.584	Pos	0.2083	0.0058
171	PC (14:0e/16:2)	C38 H74 N O7 P	687.5193	9.6	Pos	0.0097	0.0023
172	PC (14:0e/17:0)	C39 H80 N O7 P	705.5669	11.605	Pos	0.0363	0.0055
173	PC (14:0e/17:2)	C39 H76 N O7 P	701.5358	10.219	Pos	0.0093	0.0006
174	PC (14:0e/18:0)	C40 H82 N O7 P	719.5699	9.547	Pos	0.0013	0.0002
175	PC (14:0e/18:1)	C40 H80 N O7 P	763.5754	11.317	Neg	0.0470	0.0362
176	PC (14:0e/18:2)	C40 H78 N O7 P	715.5511	10.709	Pos	0.0730	0.0089
177	PC (14:0e/18:4)	C40 H74 N O7 P	711.5069	6.883	Pos	0.0008	0.0001
178	PC (14:0e/19:2)	C41 H80 N O7 P	729.5664	11.306	Pos	0.0502	0.0061
179	PC (14:0e/2:0)	C24 H50 N O7 P	495.3322	2.442	Pos	1.2955	1.1858
180	PC (14:0e/20:0)	C42 H86 N O7 P	747.6138	13.79	Pos	0.0481	0.0181
181	PC (14:0e/20:4)	C42 H78 N O7 P	785.5603	10.162	Neg	0.0066	0.0036
182	PC (14:0e/20:5)	C42 H76 N O7 P	737.5353	9.484	Pos	0.2992	0.3247
183	PC (14:0e/21:1)	C43 H86 N O7 P	759.6136	14.757	Pos	0.0082	0.0320
184	PC (14:0e/22:0)	C44 H90 N O7 P	775.6318	8.857	Pos	0.0006	0.0002
185	PC (14:0e/22:1)	C44 H88 N O7 P	773.6293	13.884	Pos	1.1981	2.3508
186	PC (14:0e/22:3)	C44 H84 N O7 P	769.5979	11.992	Pos	0.0784	0.0103
187	PC (14:0e/22:5)	C44 H80 N O7 P	765.5666	10.672	Pos	2.0950	0.8851
188	PC (14:0e/24:2)	C46 H90 N O7 P	799.6451	14.528	Pos	0.0056	0.0059
189	PC (14:0e/25:0)	C47 H96 N O7 P	817.6827	15.062	Pos	0.0002	0.0008
190	PC (14:0e/26:4)	C48 H90 N O7 P	823.6442	13.645	Pos	0.0155	0.0419
191	PC (14:0e/3:0)	C25 H52 N O7 P	509.3478	2.167	Pos	0.3313	0.0384
192	PC (14:0e/4:0)	C26 H54 N O7 P	523.3635	4.113	Pos	0.4187	0.4713
193	PC (14:0e/7:0)	C29 H60 N O7 P	565.4214	5.577	Pos	0.0013	0.0001
194	PC (14:0e/9:0)	C31 H64 N O7 P	593.4531	5.801	Pos	0.0009	0.0009
195	PC (14:1/14:1)	C36 H68 N O8 P	673.4676	6.202	Pos	0.0001	0.0011
196	PC (14:1/15:1)	C37 H70 N O8 P	687.4712	6.012	Pos	0.0002	0.0000
197	PC (14:1/16:1)	C38 H72 N O8 P	747.508	8.586	Neg	0.0008	0.0019
198	PC (14:1/16:4)	C38 H66 N O8 P	695.4517	6.906	Pos	0.0001	0.0003
199	PC (14:1/17:1)	C39 H74 N O8 P	715.5169	8.862	Pos	0.0011	0.0001
200	PC (14:1/18:1)	C40 H76 N O8 P	775.5389	9.564	Neg	0.0098	0.0147
201	PC (14:1/20:5)	C42 H72 N O8 P	749.4988	8.026	Pos	0.0125	0.0617
202	PC (14:1/22:6)	C44 H74 N O8 P	775.5145	8.423	Pos	0.0222	0.1639
203	PC (14:1e/11:0)	C33 H66 N O7 P	619.4571	8.784	Pos	0.0048	0.0002
204	PC (14:1e/13:1)	C35 H68 N O7 P	645.4611	5.895	Pos	0.0004	0.0001
205	PC (14:1e/14:0)	C36 H72 N O7 P	707.5123	9.381	Neg	0.0037	0.0004
206	PC (14:1e/14:1)	C36 H70 N O7 P	659.4854	8.526	Pos	0.0033	0.0106

207	PC (14:1e/15:0)	C37 H74 N O7 P	721.5284	9.943	Neg	0.0018	0.0002
208	PC (14:1e/16:0)	C38 H76 N O7 P	689.5338	10.142	Pos	0.0684	0.0374
209	PC (14:1e/16:1)	C38 H74 N O7 P	733.5284	9.585	Neg	0.0029	0.0005
210	PC (14:1e/16:4)	C38 H68 N O7 P	681.4734	7.532	Pos	0.0006	0.0002
211	PC (14:1e/18:0)	C40 H80 N O7 P	717.5668	11.834	Pos	0.3197	0.0076
212	PC (14:1e/18:1)	C40 H78 N O7 P	761.5593	10.654	Neg	0.0051	0.0013
213	PC (14:1e/18:2)	C40 H76 N O7 P	713.5215	5.832	Pos	0.0009	0.0012
214	PC (14:1e/20:5)	C42 H74 N O7 P	781.5287	8.887	Neg	0.0125	0.0166
215	PC (14:1e/21:2)	C43 H82 N O7 P	755.5716	10.819	Pos	0.0256	0.0436
216	PC (14:1e/22:6)	C44 H76 N O7 P	761.5352	9.315	Pos	0.5239	0.1063
217	PC (14:1e/24:0)	C46 H92 N O7 P	801.6605	14.799	Pos	0.0776	0.3936
218	PC (14:1e/24:1)	C46 H90 N O7 P	799.6445	13.861	Pos	0.2471	0.5210
219	PC (14:1e/25:0)	C47 H94 N O7 P	815.676	15.045	Pos	0.0024	0.0089
220	PC (14:1e/26:1)	C48 H94 N O7 P	827.676	14.731	Pos	0.0203	0.0707
221	PC (14:1e/26:4)	C48 H88 N O7 P	821.629	13.236	Pos	0.0184	0.0088
222	PC (15:0/14:1)	C37 H72 N O8 P	689.4986	8.993	Pos	0.0027	0.0036
223	PC (15:0/15:0)	C38 H76 N O8 P	705.5378	8.733	Pos	0.0010	0.0001
224	PC (15:0/15:1)	C38 H74 N O8 P	703.5169	10.207	Pos	0.1188	0.0007
225	PC (15:0/16:0)	C39 H78 N O8 P	719.546	10.999	Pos	0.1912	0.0310
226	PC (15:0/16:1)	C39 H76 N O8 P	717.5303	10.088	Pos	0.0471	0.0112
227	PC (15:0/16:2)	C39 H74 N O8 P	715.5138	10.899	Pos	0.0029	0.0005
228	PC (15:0/16:3)	C39 H72 N O8 P	713.489	7.078	Pos	0.0001	0.0005
229	PC (15:0/16:4)	C39 H70 N O8 P	711.4835	7.062	Pos	0.0006	0.0066
230	PC (15:0/18:0)	C41 H82 N O8 P	747.566	11.294	Pos	0.0144	0.0095
231	PC (15:0/18:2)	C41 H78 N O8 P	789.5549	10.072	Neg	0.0009	0.0013
232	PC (15:0/18:3)	C41 H76 N O8 P	741.5301	9.564	Pos	0.0077	0.0073
233	PC (15:0/18:4)	C41 H74 N O8 P	739.5149	9.005	Pos	0.0038	0.0125
234	PC (15:0/20:4)	C43 H78 N O8 P	767.5369	9.387	Pos	0.0166	0.0177
235	PC (15:0/20:5)	C43 H76 N O8 P	765.5302	9.385	Pos	0.1862	0.2332
236	PC (15:0/22:6)	C45 H78 N O8 P	837.5545	9.71	Neg	0.0615	0.0599
237	PC (15:1/15:1)	C38 H72 N O8 P	701.499	8.613	Pos	0.0034	0.0130
238	PC (15:1/16:4)	C39 H68 N O8 P	709.4681	7.412	Pos	0.0003	0.0007
239	PC (15:1/18:1)	C41 H78 N O8 P	743.5464	12.381	Pos	0.0032	0.0057
240	PC (15:1/20:5)	C43 H74 N O8 P	763.5141	8.728	Pos	0.0086	0.0251
241	PC (15:1/22:6)	C45 H76 N O8 P	789.5318	10.996	Pos	0.0044	0.0073
242	PC (16:0/16:0)	C40 H80 N O8 P	733.5617	11.671	Pos	1.1283	0.0990
243	PC (16:0/16:1)	C40 H78 N O8 P	731.5468	12.615	Pos	0.0037	0.0023
244	PC (16:0/17:0)	C41 H82 N O8 P	747.5775	12.334	Pos	0.1145	0.0279
245	PC (16:0/17:1)	C41 H80 N O8 P	745.5617	11.243	Pos	0.3225	0.1721
246	PC (16:0/17:2)	C41 H78 N O8 P	743.5466	12.044	Pos	0.2340	0.1808
247	PC (16:0/18:0)	C42 H84 N O8 P	761.5929	12.943	Pos	0.1905	0.0906
248	PC (16:0/18:1)	C42 H82 N O8 P	759.5772	11.768	Pos	3.7525	7.2991
249	PC (16:0/18:2)	C42 H80 N O8 P	803.5701	10.811	Neg	0.0385	0.0961

250	PC (16:0/18:3)	C42 H78 N O8 P	755.5459	10.102	Pos	0.0828	0.2178
251	PC (16:0/18:4)	C42 H76 N O8 P	799.5389	9.495	Neg	0.0193	0.1124
252	PC (16:0/18:5)	C42 H74 N O8 P	751.5147	7.658	Pos	0.0004	0.0071
253	PC (16:0/19:0)	C43 H86 N O8 P	775.6093	13.336	Pos	0.0111	0.0081
254	PC (16:0/19:1)	C43 H84 N O8 P	773.5929	12.412	Pos	0.4106	1.2039
255	PC (16:0/20:0)	C44 H88 N O8 P	835.6337	14.037	Neg	0.0080	0.0034
256	PC (16:0/20:1)	C44 H86 N O8 P	787.6084	13.071	Pos	2.1371	7.1380
257	PC (16:0/20:3)	C44 H82 N O8 P	783.5773	11.329	Pos	0.0180	0.0623
258	PC (16:0/20:4)	C44 H80 N O8 P	781.5614	10.67	Pos	1.8193	0.6485
259	PC (16:0/20:5)	C44 H78 N O8 P	779.5458	9.934	Pos	5.4171	6.6222
260	PC (16:0/21:0)	C45 H90 N O8 P	849.6488	14.566	Neg	0.0026	0.0002
261	PC (16:0/21:2)	C45 H86 N O8 P	799.5987	10.729	Pos	0.0036	0.0002
262	PC (16:0/22:0)	C46 H92 N O8 P	863.6647	14.969	Neg	0.0062	0.0006
263	PC (16:0/22:3)	C46 H86 N O8 P	811.5954	7.77	Pos	0.0006	0.0000
264	PC (16:0/22:4)	C46 H84 N O8 P	855.6019	11.361	Neg	0.0039	0.0169
265	PC (16:0/22:5)	C46 H82 N O8 P	853.5861	10.649	Neg	0.0297	0.0670
266	PC (16:0/22:6)	C46 H80 N O8 P	805.5614	10.36	Pos	14.485 1	8.0599
267	PC (16:0/23:0)	C47 H94 N O8 P	817.6596	15.342	Neg	0.0025	0.0001
268	PC (16:0/24:0)	C48 H96 N O8 P	891.6962	15.655	Neg	0.0044	0.0001
269	PC (16:0/24:1)	C48 H94 N O8 P	829.6587	14.775	Neg	0.0151	0.0096
270	PC (16:0/25:0)	C49 H98 N O8 P	905.7122	16.034	Neg	0.0007	0.0000
271	PC (16:0e/14:0)	C38 H78 N O7 P	737.5426	8.801	Neg	0.0005	0.0022
272	PC (16:0e/16:0)	C40 H82 N O7 P	765.5912	12.497	Neg	0.0842	0.0142
273	PC (16:0e/16:1)	C40 H80 N O7 P	717.5672	12.358	Pos	0.0858	0.0088
274	PC (16:0e/17:0)	C41 H84 N O7 P	779.6069	12.864	Neg	0.0069	0.0007
275	PC (16:0e/17:2)	C41 H80 N O7 P	729.5667	10.999	Pos	0.0056	0.0045
276	PC (16:0e/18:1)	C42 H84 N O7 P	791.6069	12.653	Neg	0.1939	0.2045
277	PC (16:0e/18:3)	C42 H80 N O7 P	787.5759	10.755	Neg	0.0037	0.0022
278	PC (16:0e/19:0)	C43 H88 N O7 P	807.629	13.343	Neg	0.0030	0.0031
279	PC (16:0e/19:1)	C43 H86 N O7 P	759.6137	13.376	Pos	0.2395	0.2261
280	PC (16:0e/20:1)	C44 H88 N O7 P	819.6383	13.825	Neg	0.2377	0.3548
281	PC (16:0e/20:3)	C44 H84 N O7 P	815.6069	11.917	Neg	0.0102	0.0023
282	PC (16:0e/20:4)	C44 H82 N O7 P	813.5913	11.389	Neg	0.0646	0.0171
283	PC (16:0e/20:5)	C44 H80 N O7 P	811.5755	10.601	Neg	0.1817	0.1132
284	PC (16:0e/21:0)	C45 H92 N O7 P	789.6514	14.339	Pos	0.0114	0.0239
285	PC (16:0e/21:1)	C45 H90 N O7 P	787.6449	14.303	Pos	0.0779	0.2865
286	PC (16:0e/21:2)	C45 H88 N O7 P	785.6294	13.414	Pos	0.0346	0.0671
287	PC (16:0e/22:2)	C46 H90 N O7 P	845.6536	13.798	Neg	0.0505	0.0906
288	PC (16:0e/22:4)	C46 H86 N O7 P	841.6225	12.304	Neg	0.0202	0.0080
289	PC (16:0e/22:5)	C46 H84 N O7 P	839.607	11.399	Neg	0.0096	0.0210
290	PC (16:0e/22:6)	C46 H82 N O7 P	837.5909	11.051	Neg	1.1228	0.5215
291	PC (16:0e/24:0)	C48 H98 N O7 P	831.6981	15.515	Pos	0.0017	0.0004

292	PC (16:0e/24:1)	C48 H96 N O7 P	829.692	15.441	Pos	0.0048	0.0058
293	PC (16:0e/26:2)	C50 H98 N O7 P	855.7074	15.706	Pos	0.0039	0.0012
294	PC (16:0e/3:0)	C27 H56 N O7 P	537.3789	3.601	Pos	0.1871	0.0155
295	PC (16:1/16:1)	C40 H76 N O8 P	729.5305	9.634	Pos	0.0621	0.0973
296	PC (16:1/16:2)	C40 H74 N O8 P	727.5143	9.272	Pos	0.0066	0.0045
297	PC (16:1/17:1)	C41 H78 N O8 P	743.5461	10.174	Pos	0.0112	0.0078
298	PC (16:1/17:2)	C41 H76 N O8 P	741.5329	10.671	Pos	0.3661	0.3633
299	PC (16:1/18:4)	C42 H74 N O8 P	751.501	5.312	Pos	0.0004	0.0001
300	PC (16:1/18:5)	C42 H72 N O8 P	749.4991	8.984	Pos	0.0005	0.0006
301	PC (16:1/20:4)	C44 H78 N O8 P	779.5458	12.01	Pos	0.0170	0.0128
302	PC (16:1/20:5)	C44 H76 N O8 P	823.539	8.915	Neg	0.0079	0.0564
303	PC (16:1/22:6)	C46 H78 N O8 P	803.5455	9.374	Pos	0.3455	1.1156
304	PC (16:1e/12:0)	C36 H72 N O7 P	661.5041	9.079	Pos	0.0011	0.0015
305	PC (16:1e/16:0)	C40 H80 N O7 P	763.5748	12.311	Neg	0.0148	0.0023
306	PC (16:1e/16:2)	C40 H76 N O7 P	713.5353	10.034	Pos	0.0362	0.0083
307	PC (16:1e/17:1)	C41 H80 N O7 P	775.5754	10.982	Neg	0.0060	0.0016
308	PC (16:1e/18:1)	C42 H82 N O7 P	789.5914	11.343	Neg	0.0020	0.0068
309	PC (16:1e/19:2)	C43 H82 N O7 P	755.5687	8.026	Pos	0.0017	0.0007
310	PC (16:1e/20:0)	C44 H88 N O7 P	773.6205	12.819	Pos	0.0178	0.0349
311	PC (16:1e/20:1)	C44 H86 N O7 P	771.5997	12.121	Pos	0.0002	0.0015
312	PC (16:1e/20:2)	C44 H84 N O7 P	815.5971	11.357	Neg	0.0051	0.0007
313	PC (16:1e/20:5)	C44 H78 N O7 P	809.5599	9.793	Neg	0.1156	0.0898
314	PC (16:1e/21:2)	C45 H86 N O7 P	829.6226	12.55	Neg	0.0024	0.0013
315	PC (16:1e/22:2)	C46 H88 N O7 P	843.6378	13.222	Neg	0.0048	0.0023
316	PC (16:1e/22:6)	C46 H80 N O7 P	789.5665	10.909	Pos	0.5906	0.1097
317	PC (16:1e/24:4)	C48 H88 N O7 P	821.6196	12.432	Pos	0.1040	0.1376
318	PC (16:1e/26:2)	C50 H96 N O7 P	853.6914	14.683	Pos	0.0021	0.0056
319	PC (16:1e/27:0)	C51 H102 N O7 P	871.7428	16.288	Pos	0.0000	0.0000
320	PC (16:1e/3:0)	C27 H54 N O7 P	236.1775	3.038	Pos	0.0078	0.0018
321	PC (16:2/16:2)	C40 H72 N O8 P	725.4989	8.473	Pos	0.0060	0.1315
322	PC (16:2/16:3)	C40 H70 N O8 P	723.4798	3.782	Pos	0.0001	0.0017
323	PC (16:2/17:2)	C41 H74 N O8 P	739.5055	10.157	Pos	0.0272	0.0061
324	PC (16:2/18:5)	C42 H70 N O8 P	747.4812	8.471	Pos	0.0008	0.0024
325	PC (16:2/22:6)	C46 H76 N O8 P	801.5302	8.559	Pos	0.0075	0.0354
326	PC (16:2e/10:0)	C34 H66 N O7 P	631.4574	7.283	Pos	0.0013	0.0017
327	PC (16:2e/15:0)	C39 H76 N O7 P	747.5434	10.15	Neg	0.0000	0.0000
328	PC (16:2e/15:1)	C39 H74 N O7 P	699.5071	5.418	Pos	0.0022	0.0001
329	PC (16:2e/17:2)	C41 H76 N O7 P	725.5261	8.896	Pos	0.0013	0.0021
330	PC (16:2e/2:0)	C26 H50 N O7 P	519.3322	2.115	Pos	0.0494	0.0464
331	PC (16:2e/20:4)	C44 H78 N O7 P	809.56	11.31	Neg	0.0016	0.0010
332	PC (16:2e/20:5)	C44 H76 N O7 P	807.5452	8.627	Neg	0.0004	0.0012
333	PC (16:2e/22:6)	C46 H78 N O7 P	833.5596	9.757	Neg	0.0757	0.0711
334	PC (16:3/18:5)	C42 H68 N O8 P	745.4736	6.43	Pos	0.0000	0.0003

335	PC (16:3/24:4)	C48 H82 N O8 P	831.5783	7.965	Pos	0.0004	0.0029
336	PC (16:4/16:4)	C40 H64 N O8 P	717.4469	14.385	Pos	0.0001	0.0002
337	PC (17:0/17:0)	C42 H84 N O8 P	761.5915	11.311	Pos	0.0172	0.0015
338	PC (17:0/17:1)	C42 H82 N O8 P	759.5674	10.866	Pos	0.0237	0.0481
339	PC (17:0/18:0)	C43 H86 N O8 P	775.6081	11.725	Pos	0.0466	0.0083
340	PC (17:0/18:1)	C43 H84 N O8 P	773.5945	14.218	Pos	0.0034	0.0078
341	PC (17:0/18:2)	C43 H82 N O8 P	771.5772	11.365	Pos	0.0421	0.0915
342	PC (17:0/18:3)	C43 H80 N O8 P	769.5602	8.019	Pos	0.0001	0.0003
343	PC (17:0/18:4)	C43 H78 N O8 P	767.5461	10.134	Pos	0.0378	0.0346
344	PC (17:0/18:5)	C43 H76 N O8 P	765.5302	9.142	Pos	0.0047	0.0390
345	PC (17:0/20:0)	C45 H90 N O8 P	849.6484	13.079	Neg	0.0174	0.0015
346	PC (17:0/20:1)	C45 H88 N O8 P	801.6241	12.47	Pos	0.1278	0.0140
347	PC (17:0/20:4)	C45 H82 N O8 P	795.5766	11.307	Pos	0.0718	0.0208
348	PC (17:0/20:5)	C45 H80 N O8 P	793.5615	9.333	Pos	0.0867	0.0186
349	PC (17:0/22:6)	C47 H82 N O8 P	819.5772	10.971	Pos	0.5739	0.5759
350	PC (17:1/17:1)	C42 H80 N O8 P	757.5617	10.853	Pos	0.1653	0.2916
351	PC (17:1/17:2)	C42 H78 N O8 P	755.532	7.135	Pos	0.0009	0.0004
352	PC (17:1/18:1)	C43 H82 N O8 P	771.5779	10.24	Pos	0.0742	0.2497
353	PC (17:1/18:5)	C43 H74 N O8 P	763.514	8.317	Pos	0.0000	0.0001
354	PC (17:1/20:5)	C45 H78 N O8 P	837.5545	9.446	Neg	0.0124	0.0178
355	PC (17:1/22:6)	C47 H80 N O8 P	817.5621	9.047	Pos	0.0043	0.0060
356	PC (17:1/26:1)	C51 H98 N O8 P	929.712	15.21	Neg	0.0017	0.0005
357	PC (17:2/16:3)	C41 H72 N O8 P	737.4992	4.197	Pos	0.0001	0.0018
358	PC (17:2/16:4)	C41 H70 N O8 P	735.4835	8.607	Pos	0.0002	0.0040
359	PC (17:2/17:2)	C42 H76 N O8 P	753.5303	7.436	Pos	0.0003	0.0019
360	PC (17:2/18:5)	C43 H72 N O8 P	779.5099	9.112	Pos	0.0000	0.0001
361	PC (17:2/20:5)	C45 H76 N O8 P	789.5304	9.027	Pos	0.0229	0.0306
362	PC (17:2/22:6)	C47 H78 N O8 P	737.5313	9.479	Pos	0.0468	0.0114
363	PC (18:0/16:4)	C42 H76 N O8 P	753.5208	7.772	Pos	0.0146	0.0012
364	PC (18:0/18:0)	C44 H88 N O8 P	789.6364	12.123	Pos	0.0417	0.0191
365	PC (18:0/18:1)	C44 H86 N O8 P	787.5986	11.968	Pos	0.3014	0.1833
366	PC (18:0/19:0)	C45 H90 N O8 P	803.6392	13.136	Pos	0.1130	0.0093
367	PC (18:0/19:1)	C45 H88 N O8 P	801.6241	14.865	Pos	0.0012	0.0001
368	PC (18:0/19:2)	C45 H86 N O8 P	799.608	12.346	Pos	0.0746	0.1079
369	PC (18:0/20:1)	C46 H90 N O8 P	861.6487	14.101	Neg	0.0488	0.1886
370	PC (18:0/20:4)	C46 H84 N O8 P	809.5925	11.939	Pos	0.2463	0.0975
371	PC (18:0/20:5)	C46 H82 N O8 P	807.5772	8.682	Pos	0.0121	0.0385
372	PC (18:0/22:1)	C48 H94 N O8 P	843.6708	14.829	Pos	0.0676	0.0552
373	PC (18:0/22:4)	C48 H88 N O8 P	883.6334	12.348	Neg	0.1635	0.2114
374	PC (18:0/22:5)	C48 H86 N O8 P	881.6174	12.349	Neg	0.0094	0.0191
375	PC (18:0/22:6)	C48 H84 N O8 P	879.6019	11.108	Neg	0.1677	0.2475
376	PC (18:0e/13:0)	C39 H80 N O7 P	705.5667	11.922	Pos	0.0993	0.0046
377	PC (18:0e/14:0)	C40 H82 N O7 P	719.5824	12.567	Pos	0.5170	0.0956

378	PC (18:0e/15:0)	C41 H84 N O7 P	733.5883	12.093	Pos	0.0161	0.0050
379	PC (18:0e/15:1)	C41 H82 N O7 P	731.5827	12.089	Pos	0.1989	0.0599
380	PC (18:0e/16:0)	C42 H86 N O7 P	793.6229	13.408	Neg	0.0040	0.0019
381	PC (18:0e/16:1)	C42 H84 N O7 P	745.5982	14.381	Pos	0.0064	0.0108
382	PC (18:0e/16:2)	C42 H82 N O7 P	743.5826	12.014	Pos	0.1411	0.0340
383	PC (18:0e/17:0)	C43 H88 N O7 P	761.6382	13.143	Pos	0.0080	0.0043
384	PC (18:0e/18:3)	C44 H84 N O7 P	769.5968	13.612	Pos	0.0017	0.0015
385	PC (18:0e/19:1)	C45 H90 N O7 P	787.6448	13.998	Pos	0.0019	0.0038
386	PC (18:0e/2:0)	C28 H58 N O7 P	597.4033	3.514	Neg	0.0019	0.0003
387	PC (18:0e/20:1)	C46 H92 N O7 P	847.6694	14.761	Neg	0.0252	0.0595
388	PC (18:0e/20:3)	C46 H88 N O7 P	797.6295	14.87	Pos	0.0010	0.0004
389	PC (18:0e/21:1)	C47 H94 N O7 P	793.6943	15.474	Pos	0.0035	0.0020
390	PC (18:0e/21:2)	C47 H92 N O7 P	859.6695	14.224	Neg	0.0023	0.0049
391	PC (18:0e/22:1)	C48 H96 N O7 P	829.6828	14.894	Pos	0.0044	0.0013
392	PC (18:0e/22:2)	C48 H94 N O7 P	873.6865	14.311	Neg	0.0007	0.0002
393	PC (18:0e/22:5)	C48 H88 N O7 P	867.6382	13.214	Neg	0.0039	0.0018
394	PC (18:0e/22:6)	C48 H86 N O7 P	865.6224	12.364	Neg	0.1589	0.2016
395	PC (18:0e/24:1)	C50 H100 N O7 P	857.7145	15.317	Pos	0.0001	0.0006
396	PC (18:0e/26:2)	C52 H102 N O7 P	929.748	16.315	Neg	0.0005	0.0000
397	PC (18:1/18:1)	C44 H84 N O8 P	785.5927	11.89	Pos	0.2872	0.8308
398	PC (18:1/18:2)	C44 H82 N O8 P	783.5773	10.929	Pos	0.0628	0.1408
399	PC (18:1/19:1)	C45 H86 N O8 P	799.6084	12.586	Pos	0.0802	0.2750
400	PC (18:1/19:2)	C45 H84 N O8 P	797.5832	9.843	Pos	0.0008	0.0005
401	PC (18:1/20:1)	C46 H88 N O8 P	859.6328	13.087	Neg	0.0597	0.3421
402	PC (18:1/20:2)	C46 H86 N O8 P	857.6174	12.044	Neg	0.0122	0.0524
403	PC (18:1/20:5)	C46 H80 N O8 P	805.5614	10.033	Pos	0.4107	0.5232
404	PC (18:1/21:2)	C47 H88 N O8 P	871.6332	12.611	Neg	0.0008	0.0040
405	PC (18:1/22:6)	C48 H82 N O8 P	831.5768	10.472	Pos	0.6723	0.5249
406	PC (18:1/24:1)	C50 H96 N O8 P	915.6962	14.799	Neg	0.0291	0.0091
407	PC (18:1/26:1)	C52 H100 N O8 P	943.7274	15.508	Neg	0.0050	0.0015
408	PC (18:1/26:2)	C52 H98 N O8 P	941.7115	14.908	Neg	0.0058	0.0008
409	PC (18:1e/13:0)	C39 H78 N O7 P	703.5512	10.946	Pos	0.1064	0.0110
410	PC (18:1e/15:0)	C41 H82 N O7 P	777.5911	12.046	Neg	0.0238	0.0067
411	PC (18:1e/16:1)	C42 H82 N O7 P	743.5829	11.418	Pos	0.0226	0.0368
412	PC (18:1e/18:1)	C44 H86 N O7 P	817.6227	12.729	Neg	0.0435	0.0524
413	PC (18:1e/19:2)	C45 H86 N O7 P	783.6023	11.971	Pos	0.0584	0.2966
414	PC (18:1e/2:0)	C28 H56 N O7 P	549.3791	4.341	Pos	0.0953	0.2637
415	PC (18:1e/20:2)	C46 H88 N O7 P	843.632	12.41	Neg	0.0129	0.0027
416	PC (18:1e/20:5)	C46 H82 N O7 P	837.5826	10.406	Neg	0.0045	0.0005
417	PC (18:1e/21:1)	C47 H92 N O7 P	813.6607	14.289	Pos	0.0101	0.0300
418	PC (18:1e/22:2)	C48 H92 N O7 P	871.669	13.816	Neg	0.0030	0.0028
419	PC (18:1e/22:6)	C48 H84 N O7 P	863.6069	12.15	Neg	0.0138	0.0069
420	PC (18:1e/23:0)	C49 H98 N O7 P	843.7074	15.77	Pos	0.0008	0.0003

421	PC (18:1e/24:0)	C50 H100 N O7 P	857.7284	16.113	Pos	0.0000	0.0000
422	PC (18:1e/24:1)	C50 H98 N O7 P	901.7171	15.389	Neg	0.0007	0.0004
423	PC (18:1e/26:0)	C52 H104 N O7 P	885.7685	16.412	Pos	0.0309	0.0037
424	PC (18:1e/26:4)	C52 H96 N O7 P	877.696	15.133	Pos	0.0007	0.0000
425	PC (18:1e/27:0)	C53 H106 N O7 P	899.7679	16.756	Pos	0.0027	0.0000
426	PC (18:1e/5:0)	C31 H62 N O7 P	637.4341	7.611	Neg	0.0022	0.0003
427	PC (18:2/18:2)	C44 H80 N O8 P	781.5616	8.385	Pos	0.0018	0.0111
428	PC (18:2/18:3)	C44 H78 N O8 P	779.5461	7.163	Pos	0.0000	0.0000
429	PC (18:2/19:2)	C45 H82 N O8 P	795.5787	8.729	Pos	0.0036	0.0001
430	PC (18:2/20:5)	C46 H78 N O8 P	803.5455	8.167	Pos	0.0050	0.0430
431	PC (18:2e/10:0)	C36 H70 N O7 P	659.4875	8.719	Pos	0.0008	0.0004
432	PC (18:2e/17:2)	C43 H80 N O7 P	753.5539	7.587	Pos	0.0056	0.0001
433	PC (18:2e/18:0)	C44 H86 N O7 P	771.6137	12.783	Pos	0.3145	0.2990
434	PC (18:2e/20:1)	C46 H88 N O7 P	843.638	12.705	Neg	0.0010	0.0066
435	PC (18:2e/20:5)	C46 H80 N O7 P	789.5665	10.462	Pos	0.3798	0.0490
436	PC (18:2e/23:0)	C49 H96 N O7 P	841.6909	15.107	Pos	0.0007	0.0011
437	PC (18:2e/26:0)	C52 H102 N O7 P	883.7266	15.524	Pos	0.0003	0.0002
438	PC (18:2e/27:0)	C53 H104 N O7 P	897.748	13.584	Pos	0.0017	0.0001
439	PC (18:3/18:3)	C44 H76 N O8 P	777.5315	10.104	Pos	0.0037	0.0031
440	PC (18:3/18:4)	C44 H74 N O8 P	775.5148	14.668	Pos	0.0001	0.0006
441	PC (18:3/20:5)	C46 H76 N O8 P	801.5338	15.386	Pos	0.0000	0.0000
442	PC (18:3/22:6)	C48 H78 N O8 P	827.5489	7.131	Pos	0.0016	0.0043
443	PC (18:3e/16:0)	C42 H80 N O7 P	741.5575	10.217	Pos	0.0064	0.0029
444	PC (18:3e/16:1)	C42 H78 N O7 P	739.551	10.204	Pos	0.0531	0.0103
445	PC (18:3e/16:3)	C42 H74 N O7 P	735.5199	8.897	Pos	0.0702	0.0477
446	PC (18:3e/17:0)	C43 H82 N O7 P	755.5824	11.476	Pos	0.0055	0.0012
447	PC (18:3e/17:2)	C43 H78 N O7 P	751.5413	7.226	Pos	0.0007	0.0001
448	PC (18:3e/18:3)	C44 H78 N O7 P	763.5501	15.662	Pos	0.0008	0.0002
449	PC (18:3e/21:2)	C47 H86 N O7 P	807.6039	11.49	Pos	0.0319	0.0131
450	PC (18:3e/22:6)	C48 H80 N O7 P	859.5752	9.404	Neg	0.0003	0.0032
451	PC (18:3e/25:0)	C51 H98 N O7 P	867.7063	14.583	Pos	0.0015	0.0000
452	PC (18:3e/3:0)	C29 H54 N O7 P	559.3636	2.056	Pos	0.0017	0.0001
453	PC (18:3e/8:0)	C34 H64 N O7 P	629.4419	7.656	Pos	0.0017	0.0001
454	PC (18:4/18:4)	C44 H72 N O8 P	773.4968	7.747	Pos	0.0015	0.0011
455	PC (18:4/18:5)	C44 H70 N O8 P	771.483	7.414	Pos	0.0002	0.0002
456	PC (18:4/20:5)	C46 H74 N O8 P	799.5145	8.02	Pos	0.0085	0.0312
457	PC (18:4e/15:1)	C41 H74 N O7 P	723.5201	8.975	Pos	0.0075	0.0421
458	PC (18:4e/16:0)	C42 H78 N O7 P	739.5384	6.976	Pos	0.0003	0.0004
459	PC (18:4e/18:5)	C44 H72 N O7 P	757.5004	5.95	Pos	0.0001	0.0024
460	PC (18:4e/19:2)	C45 H80 N O7 P	777.5572	9.66	Pos	0.0079	0.0081
461	PC (18:4e/21:0)	C47 H88 N O7 P	809.6279	12.691	Pos	0.0023	0.0010
462	PC (18:4e/21:2)	C47 H84 N O7 P	805.5973	12.924	Pos	0.0018	0.0037
463	PC (18:4e/22:6)	C48 H78 N O7 P	857.5601	9.005	Neg	0.0004	0.0004

464	PC (18:4e/3:0)	C29 H52 N O7 P	557.3473	2.332	Pos	0.0019	0.0011
465	PC (18:4e/5:0)	C31 H56 N O7 P	585.379	2.487	Pos	0.0257	0.0019
466	PC (18:5/20:5)	C46 H72 N O8 P	797.5007	3.967	Pos	0.0004	0.0001
467	PC (18:5/22:6)	C48 H74 N O8 P	823.5128	8.539	Pos	0.0000	0.0000
468	PC (18:5e/13:1)	C39 H68 N O7 P	693.4722	7.421	Pos	0.0007	0.0002
469	PC (18:5e/15:1)	C41 H72 N O7 P	721.5044	8.475	Pos	0.0058	0.1213
470	PC (18:5e/16:2)	C42 H72 N O7 P	733.5044	10.543	Pos	0.0027	0.0005
471	PC (18:5e/16:3)	C42 H70 N O7 P	731.4854	4.15	Pos	0.0001	0.0007
472	PC (18:5e/16:4)	C42 H68 N O7 P	729.4704	6.676	Pos	0.0000	0.0004
473	PC (18:5e/17:0)	C43 H78 N O7 P	751.5385	7.207	Pos	0.0011	0.0001
474	PC (18:5e/17:1)	C43 H76 N O7 P	749.536	8.412	Pos	0.0023	0.0100
475	PC (18:5e/18:1)	C44 H78 N O7 P	809.5637	5.438	Neg	0.0002	0.0083
476	PC (18:5e/20:4)	C46 H76 N O7 P	831.5437	8.662	Neg	0.0005	0.0005
477	PC (18:5e/20:5)	C46 H74 N O7 P	829.5291	8.328	Neg	0.0014	0.0000
478	PC (18:5e/21:1)	C47 H84 N O7 P	805.5976	11.76	Pos	0.5220	0.0642
479	PC (18:5e/21:2)	C47 H82 N O7 P	803.5824	13.597	Pos	0.0078	0.0030
480	PC (18:5e/22:6)	C48 H76 N O7 P	809.5356	8.515	Pos	0.0036	0.0336
481	PC (18:5e/24:0)	C50 H92 N O7 P	849.6589	14.356	Pos	0.0015	0.0004
482	PC (18:5e/26:1)	C52 H94 N O7 P	921.6697	14.455	Neg	0.0000	0.0003
483	PC (18:5e/3:0)	C29 H50 N O7 P	555.3322	1.828	Pos	0.0101	0.0255
484	PC (18:5e/5:0)	C31 H54 N O7 P	583.3631	3.073	Pos	0.0010	0.0002
485	PC (18:5e/6:0)	C32 H56 N O7 P	597.3795	3.151	Pos	0.0009	0.0008
486	PC (18:5e/7:0)	C33 H58 N O7 P	611.3945	2.875	Pos	0.0014	0.0002
487	PC (19:0/19:0)	C46 H92 N O8 P	817.6552	14.978	Pos	0.0149	0.0028
488	PC (19:0/20:0)	C47 H94 N O8 P	831.6601	14.533	Pos	0.0010	0.0034
489	PC (19:0/20:1)	C47 H92 N O8 P	829.6554	14.472	Pos	0.0112	0.0323
490	PC (19:0/20:2)	C47 H90 N O8 P	827.6397	14.747	Pos	0.0012	0.0015
491	PC (19:0/20:3)	C47 H88 N O8 P	825.6238	12.674	Pos	0.0046	0.0215
492	PC (19:0/20:4)	C47 H86 N O8 P	823.6084	12.197	Pos	0.0071	0.0067
493	PC (19:0/20:5)	C47 H84 N O8 P	821.592	10.322	Pos	0.6559	0.0500
494	PC (19:0/22:1)	C49 H96 N O8 P	903.6963	14.359	Neg	0.0012	0.0002
495	PC (19:0/22:5)	C49 H88 N O8 P	895.6332	12.404	Neg	0.0010	0.0013
496	PC (19:0/22:6)	C49 H86 N O8 P	893.6178	12.208	Neg	0.0059	0.0073
497	PC (19:1/19:1)	C46 H88 N O8 P	813.6238	13.167	Pos	0.3250	2.0039
498	PC (19:1/20:1)	C47 H90 N O8 P	827.6397	13.651	Pos	0.0258	0.0942
499	PC (19:1/20:2)	C47 H88 N O8 P	825.6229	12.335	Pos	0.0076	0.0060
500	PC (19:1/20:3)	C47 H86 N O8 P	823.6078	12.598	Pos	0.0050	0.0035
501	PC (19:1/20:5)	C47 H82 N O8 P	819.5677	8.959	Pos	0.0027	0.0053
502	PC (19:1/22:6)	C49 H84 N O8 P	845.5919	9.594	Pos	0.0078	0.0018
503	PC (19:2/18:3)	C45 H80 N O8 P	793.5621	8.059	Pos	0.0105	0.0302
504	PC (19:2/18:4)	C45 H78 N O8 P	791.5452	8.003	Pos	0.0087	0.1188
505	PC (19:2/18:5)	C45 H76 N O8 P	789.525	9.638	Pos	0.0000	0.0001
506	PC (19:2/19:2)	C46 H84 N O8 P	809.5925	11.441	Pos	0.0788	0.0957

507	PC (19:2/20:5)	C47 H80 N O8 P	817.5608	14.879	Pos	0.0000	0.0000
508	PC (19:2/22:6)	C49 H82 N O8 P	843.5755	10.576	Pos	0.0110	0.0051
509	PC (2:0/18:5)	C28 H46 N O8 P	555.296	1.089	Pos	0.0003	0.0014
510	PC (2:0/20:5)	C30 H50 N O8 P	629.3349	1.207	Neg	0.0041	0.0112
511	PC (20:0/20:0)	C48 H96 N O8 P	845.6977	14.387	Pos	0.0048	0.0186
512	PC (20:0/20:5)	C48 H86 N O8 P	881.6186	10.898	Neg	0.0014	0.0005
513	PC (20:0/21:0)	C49 H98 N O8 P	859.7135	14.8	Pos	0.0028	0.0325
514	PC (20:0/21:1)	C49 H96 N O8 P	857.6975	13.876	Pos	0.0157	0.0154
515	PC (20:0/21:2)	C49 H94 N O8 P	855.671	14.494	Pos	0.0122	0.0137
516	PC (20:0/22:5)	C50 H90 N O8 P	863.6397	13.673	Pos	0.0037	0.0028
517	PC (20:0/22:6)	C50 H88 N O8 P	861.6236	12.848	Pos	0.0191	0.0395
518	PC (20:1/16:2)	C44 H82 N O8 P	783.5764	8.348	Pos	0.0010	0.0006
519	PC (20:1/16:3)	C44 H80 N O8 P	827.5702	9.248	Neg	0.0022	0.0108
520	PC (20:1/16:4)	C44 H78 N O8 P	779.5455	8.018	Pos	0.0005	0.0043
521	PC (20:1/17:2)	C45 H84 N O8 P	843.6016	12.03	Neg	0.0021	0.0018
522	PC (20:1/18:2)	C46 H86 N O8 P	811.6082	12.082	Pos	0.0932	0.2869
523	PC (20:1/19:2)	C47 H88 N O8 P	825.6238	13.729	Pos	0.0003	0.0017
524	PC (20:1/20:1)	C48 H92 N O8 P	841.6551	14.114	Pos	0.1233	0.3965
525	PC (20:1/20:2)	C48 H90 N O8 P	839.6393	13.357	Pos	0.0281	0.1274
526	PC (20:1/20:4)	C48 H86 N O8 P	835.608	11.934	Pos	0.3209	0.1569
527	PC (20:1/21:1)	C49 H94 N O8 P	901.6806	14.435	Neg	0.0041	0.0030
528	PC (20:1/21:2)	C49 H92 N O8 P	899.6647	13.66	Neg	0.0023	0.0012
529	PC (20:1/22:2)	C50 H94 N O8 P	913.6802	14.087	Neg	0.0097	0.0057
530	PC (20:1/22:4)	C50 H90 N O8 P	863.6398	12.697	Pos	0.0141	0.0170
531	PC (20:1/22:5)	C50 H88 N O8 P	861.6237	12.319	Pos	0.0875	0.1659
532	PC (20:1/22:6)	C50 H86 N O8 P	859.6082	11.529	Pos	1.6801	1.6001
533	PC (20:1/26:1)	C54 H104 N O8 P	971.7591	16.169	Neg	0.0004	0.0001
534	PC (20:1/26:4)	C54 H98 N O8 P	965.7075	14.4	Neg	0.0001	0.0001
535	PC (20:2/20:2)	C48 H88 N O8 P	837.6242	12.319	Pos	0.0351	0.0578
536	PC (20:2/20:3)	C48 H86 N O8 P	835.6081	12.389	Pos	0.0649	0.1436
537	PC (20:2/20:5)	C48 H82 N O8 P	877.577	9.524	Neg	0.0011	0.0022
538	PC (20:2/21:2)	C49 H90 N O8 P	851.6396	12.434	Pos	0.0038	0.0085
539	PC (20:2/22:2)	C50 H92 N O8 P	911.6651	13.482	Neg	0.0008	0.0014
540	PC (20:2/22:6)	C50 H84 N O8 P	857.5924	10.844	Pos	0.0377	0.0942
541	PC (20:3/20:3)	C48 H84 N O8 P	833.5928	11.592	Pos	1.3539	1.8909
542	PC (20:3/20:4)	C48 H82 N O8 P	831.5621	7.291	Pos	0.0011	0.0037
543	PC (20:3/20:5)	C48 H80 N O8 P	875.5704	9.575	Neg	0.0082	0.0165
544	PC (20:3/22:5)	C50 H84 N O8 P	857.5929	10.156	Pos	0.0115	0.0165
545	PC (20:3/22:6)	C50 H82 N O8 P	855.5767	9.812	Pos	0.0266	0.0223
546	PC (20:3e/15:1)	C43 H80 N O7 P	753.5573	10.103	Pos	0.0085	0.0117
547	PC (20:3e/16:3)	C44 H78 N O7 P	763.5386	7.248	Pos	0.0011	0.0001
548	PC (20:3e/17:2)	C45 H82 N O7 P	779.572	10.515	Pos	0.0255	0.0085
549	PC (20:3e/18:0)	C46 H88 N O7 P	797.6292	12.821	Pos	0.0089	0.0181

550	PC (20:3e/18:5)	C46 H78 N O7 P	787.5506	9.146	Pos	0.0017	0.0054
551	PC (20:3e/2:0)	C30 H56 N O7 P	573.3788	1.499	Pos	0.0002	0.0001
552	PC (20:3e/20:5)	C48 H82 N O7 P	861.5909	10.088	Neg	0.0024	0.0141
553	PC (20:3e/7:0)	C35 H66 N O7 P	643.4578	7.159	Pos	0.0020	0.0003
554	PC (20:3e/8:0)	C36 H68 N O7 P	657.4738	8.601	Pos	0.0017	0.0002
555	PC (20:4/20:4)	C48 H80 N O8 P	829.5612	15.259	Pos	0.0001	0.0003
556	PC (20:4/20:5)	C48 H78 N O8 P	827.5455	8.95	Pos	0.0297	0.0643
557	PC (20:4/22:6)	C50 H80 N O8 P	853.5609	9.368	Pos	0.0668	0.0150
558	PC (20:4e/13:0)	C41 H76 N O7 P	725.5229	4.169	Pos	0.0006	0.0001
559	PC (20:4e/16:0)	C44 H82 N O7 P	767.5821	11.452	Pos	0.5351	0.0398
560	PC (20:4e/16:4)	C44 H74 N O7 P	759.5231	6.564	Pos	0.0000	0.0001
561	PC (20:4e/18:5)	C46 H76 N O7 P	785.5449	15.516	Pos	0.0001	0.0003
562	PC (20:4e/19:2)	C47 H84 N O7 P	805.5871	11.145	Pos	0.6849	0.8982
563	PC (20:4e/21:2)	C49 H88 N O7 P	833.6287	12.78	Pos	0.0076	0.0143
564	PC (20:4e/23:0)	C51 H96 N O7 P	865.6799	13.802	Pos	0.0012	0.0004
565	PC (20:4e/26:1)	C54 H100 N O7 P	905.7235	15.138	Pos	0.0003	0.0003
566	PC (20:4e/26:4)	C54 H94 N O7 P	899.6761	14.028	Pos	0.0066	0.0068
567	PC (20:4e/3:0)	C31 H56 N O7 P	631.387	2.484	Neg	0.0077	0.0005
568	PC (20:5/20:5)	C48 H76 N O8 P	825.53	8.37	Pos	0.0561	0.2420
569	PC (20:5/22:6)	C50 H78 N O8 P	851.5456	8.73	Pos	0.3096	0.4682
570	PC (20:5e/19:0)	C47 H86 N O7 P	807.6113	14.725	Pos	0.0011	0.0006
571	PC (20:5e/21:2)	C49 H86 N O7 P	831.6131	12.377	Pos	0.0493	0.0632
572	PC (20:5e/22:6)	C50 H80 N O7 P	837.5522	16.283	Pos	0.0001	0.0001
573	PC (20:5e/26:1)	C54 H98 N O7 P	903.6995	14.528	Pos	0.0014	0.0008
574	PC (20:5e/27:0)	C55 H102 N O7 P	919.7257	14.766	Pos	0.0009	0.0001
575	PC (21:0/21:0)	C50 H100 N O8 P	873.7285	15.059	Pos	0.0007	0.0009
576	PC (21:0/21:1)	C50 H98 N O8 P	871.7019	15.677	Pos	0.1974	0.0032
577	PC (21:0/22:1)	C51 H100 N O8 P	885.7292	14.739	Pos	0.0008	0.0055
578	PC (21:0/22:2)	C51 H98 N O8 P	883.7021	15.236	Pos	0.0037	0.0026
579	PC (21:0/22:3)	C51 H96 N O8 P	881.6929	13.661	Pos	0.0027	0.0030
580	PC (21:0/22:4)	C51 H94 N O8 P	879.671	13.653	Pos	0.0065	0.0009
581	PC (21:0/22:5)	C51 H92 N O8 P	877.6457	12.563	Pos	0.0059	0.0020
582	PC (21:0/22:6)	C51 H90 N O8 P	875.6394	13.499	Pos	0.0020	0.0023
583	PC (21:1/20:4)	C49 H88 N O8 P	895.6335	11.538	Neg	0.0055	0.0017
584	PC (21:1/21:1)	C50 H96 N O8 P	869.6865	14.834	Pos	0.0797	0.0491
585	PC (21:1/22:3)	C51 H94 N O8 P	879.6693	13.965	Pos	0.0025	0.0005
586	PC (21:1/22:6)	C51 H88 N O8 P	873.6237	12.329	Pos	0.1145	0.0276
587	PC (21:2/18:5)	C47 H80 N O8 P	817.5619	13.471	Pos	0.0003	0.0007
588	PC (21:2/20:3)	C49 H88 N O8 P	849.6351	11.17	Pos	0.1514	0.0131
589	PC (21:2/20:4)	C49 H86 N O8 P	847.6088	13.616	Pos	0.0003	0.0007
590	PC (21:2/20:5)	C49 H84 N O8 P	845.5932	15.658	Pos	0.0009	0.0001
591	PC (21:2/21:2)	C50 H92 N O8 P	865.6551	13.541	Pos	0.0039	0.0075
592	PC (21:2/22:5)	C51 H88 N O8 P	873.6239	11.86	Pos	0.0231	0.0017

593	PC (21:2/22:6)	C51 H86 N O8 P	871.5924	8.064	Pos	0.0002	0.0013
594	PC (22:0/20:5)	C50 H90 N O8 P	909.6488	13.637	Neg	0.0010	0.0006
595	PC (22:0/22:1)	C52 H102 N O8 P	899.7198	14.73	Pos	0.0007	0.0008
596	PC (22:0/22:6)	C52 H92 N O8 P	935.6654	13.952	Neg	0.0005	0.0005
597	PC (22:0/23:0)	C53 H106 N O8 P	915.7796	15.042	Pos	0.0033	0.0003
598	PC (22:0/24:1)	C54 H106 N O8 P	927.7524	15.385	Pos	0.0012	0.0009
599	PC (22:0/24:2)	C54 H104 N O8 P	925.7365	14.831	Pos	0.0045	0.0056
600	PC (22:1/19:2)	C49 H92 N O8 P	853.6554	14.548	Pos	0.0001	0.0001
601	PC (22:1/22:1)	C52 H100 N O8 P	897.7189	14.994	Pos	0.0039	0.0017
602	PC (22:1/22:2)	C52 H98 N O8 P	895.7028	15.147	Pos	0.0090	0.0022
603	PC (22:1/22:6)	C52 H90 N O8 P	887.6395	12.751	Pos	0.0390	0.0701
604	PC (22:1/24:2)	C54 H102 N O8 P	923.7346	15.581	Pos	0.0011	0.0007
605	PC (22:1/24:4)	C54 H98 N O8 P	919.7019	14.572	Pos	0.0007	0.0008
606	PC (22:2/22:2)	C52 H96 N O8 P	893.6856	14.438	Pos	0.0015	0.0011
607	PC (22:2/22:3)	C52 H94 N O8 P	891.6707	14.094	Pos	0.0328	0.0137
608	PC (22:3/22:3)	C52 H92 N O8 P	889.6551	14.012	Pos	0.0029	0.0043
609	PC (22:3/22:4)	C52 H90 N O8 P	887.6394	12.289	Pos	0.0051	0.0064
610	PC (22:3/24:4)	C54 H94 N O8 P	915.6708	13.002	Pos	0.0037	0.0008
611	PC (22:3/26:4)	C56 H98 N O8 P	943.7016	13.948	Pos	0.0021	0.0007
612	PC (22:3e/11:0)	C41 H78 N O7 P	727.5514	10.824	Pos	0.0077	0.0003
613	PC (22:3e/12:0)	C42 H80 N O7 P	741.5673	10.871	Pos	0.0296	0.0063
614	PC (22:3e/14:0)	C44 H84 N O7 P	769.598	11.619	Pos	0.0002	0.0007
615	PC (22:3e/16:1)	C46 H86 N O7 P	795.6137	12.765	Pos	0.0647	0.0166
616	PC (22:3e/16:2)	C46 H84 N O7 P	793.5833	8.24	Pos	0.0016	0.0035
617	PC (22:3e/16:3)	C46 H82 N O7 P	791.5783	9.39	Pos	0.0297	0.0020
618	PC (22:3e/18:0)	C48 H92 N O7 P	825.6603	13.871	Pos	0.0078	0.0161
619	PC (22:3e/18:1)	C48 H90 N O7 P	823.6354	12.782	Pos	0.0011	0.0021
620	PC (22:3e/18:3)	C48 H86 N O7 P	819.6026	11.121	Pos	0.0429	0.0153
621	PC (22:3e/2:0)	C32 H60 N O7 P	601.4104	6.057	Pos	0.0006	0.0002
622	PC (22:3e/20:1)	C50 H94 N O7 P	897.6855	14.109	Neg	0.0010	0.0008
623	PC (22:3e/20:2)	C50 H92 N O7 P	895.6683	13.467	Neg	0.0006	0.0004
624	PC (22:3e/20:4)	C50 H88 N O7 P	891.6388	11.989	Neg	0.0110	0.0030
625	PC (22:3e/21:1)	C51 H96 N O7 P	911.7018	15.876	Neg	0.0013	0.0000
626	PC (22:3e/22:0)	C52 H100 N O7 P	881.7279	15.799	Pos	0.0020	0.0002
627	PC (22:3e/26:0)	C56 H108 N O7 P	937.7726	15.938	Pos	0.0019	0.0013
628	PC (22:3e/26:1)	C56 H106 N O7 P	935.7568	15.697	Pos	0.0005	0.0003
629	PC (22:3e/3:0)	C33 H62 N O7 P	615.4249	5.815	Pos	0.0016	0.0002
630	PC (22:4/22:4)	C52 H88 N O8 P	885.6234	11.836	Pos	0.0586	0.0105
631	PC (22:4/22:5)	C52 H86 N O8 P	883.5952	8.628	Pos	0.0009	0.0148
632	PC (22:4/24:4)	C54 H92 N O8 P	913.6555	12.867	Pos	0.0053	0.0032
633	PC (22:4e/13:1)	C43 H78 N O7 P	797.5598	9.723	Neg	0.0005	0.0041
634	PC (22:4e/15:0)	C45 H84 N O7 P	781.5903	11.07	Pos	0.0374	0.0842
635	PC (22:4e/15:1)	C45 H82 N O7 P	825.5914	10.972	Neg	0.0110	0.0060

636	PC (22:4e/19:0)	C49 H92 N O7 P	837.6771	15.021	Pos	0.0645	0.0549
637	PC (22:4e/19:2)	C49 H88 N O7 P	879.6385	13.033	Neg	0.0040	0.0020
638	PC (22:4e/20:3)	C50 H88 N O7 P	845.6292	13.522	Pos	0.0009	0.0002
639	PC (22:4e/21:2)	C51 H92 N O7 P	861.66	14.239	Pos	0.0049	0.0013
640	PC (22:4e/22:0)	C52 H98 N O7 P	879.7124	15.514	Pos	0.0006	0.0001
641	PC (22:4e/22:2)	C52 H94 N O7 P	921.6857	14.652	Neg	0.0016	0.0002
642	PC (22:4e/23:0)	C53 H100 N O7 P	893.7417	14.332	Pos	0.0005	0.0001
643	PC (22:4e/26:4)	C56 H98 N O7 P	927.7074	14.815	Pos	0.0150	0.0002
644	PC (22:4e/8:0)	C38 H70 N O7 P	683.4886	8.44	Pos	0.0026	0.0004
645	PC (22:5/22:5)	C52 H84 N O8 P	881.5926	10.172	Pos	0.0073	0.0010
646	PC (22:5/22:6)	C52 H82 N O8 P	879.5766	9.457	Pos	0.0239	0.0088
647	PC (22:5e/10:0)	C40 H72 N O7 P	709.5041	8.505	Pos	0.0021	0.0026
648	PC (22:5e/14:1)	C44 H78 N O7 P	763.551	9.878	Pos	1.1432	0.5767
649	PC (22:5e/15:0)	C45 H82 N O7 P	779.5825	11.335	Pos	0.1110	0.1019
650	PC (22:5e/15:1)	C45 H80 N O7 P	777.5667	10.215	Pos	0.0512	0.1139
651	PC (22:5e/16:0)	C46 H84 N O7 P	793.5973	11.476	Pos	0.1857	0.1195
652	PC (22:5e/16:1)	C46 H82 N O7 P	791.5732	10.467	Pos	0.0283	0.0033
653	PC (22:5e/17:2)	C47 H82 N O7 P	803.582	11.533	Pos	0.0398	0.0080
654	PC (22:5e/18:1)	C48 H86 N O7 P	819.6134	12.423	Pos	1.0616	1.4986
655	PC (22:5e/18:2)	C48 H84 N O7 P	817.5976	13.372	Pos	0.0001	0.0002
656	PC (22:5e/18:3)	C48 H82 N O7 P	815.582	10.183	Pos	0.0103	0.0286
657	PC (22:5e/18:4)	C48 H80 N O7 P	813.5568	14.651	Pos	0.0001	0.0002
658	PC (22:5e/19:2)	C49 H86 N O7 P	877.6308	8.264	Neg	0.0014	0.0000
659	PC (22:5e/20:1)	C50 H90 N O7 P	893.6547	13.626	Neg	0.0037	0.0031
660	PC (22:5e/21:2)	C51 H90 N O7 P	859.6435	13.285	Pos	0.0000	0.0000
661	PC (22:5e/22:5)	C52 H86 N O7 P	867.6127	11.556	Pos	0.0055	0.0022
662	PC (22:5e/22:6)	C52 H84 N O7 P	865.5821	9.067	Pos	0.0018	0.0511
663	PC (22:5e/4:0)	C34 H60 N O7 P	625.4103	3.628	Pos	0.0025	0.0001
664	PC (22:6/22:6)	C52 H80 N O8 P	877.5612	9.111	Pos	0.3734	0.3285
665	PC (22:6e/10:0)	C40 H70 N O7 P	707.4883	8.261	Pos	0.0427	0.0053
666	PC (22:6e/13:1)	C43 H74 N O7 P	747.5194	8.839	Pos	0.2238	0.3120
667	PC (22:6e/15:0)	C45 H80 N O7 P	777.5666	10.522	Pos	0.3049	0.1046
668	PC (22:6e/15:1)	C45 H78 N O7 P	775.5509	9.695	Pos	0.1844	0.1221
669	PC (22:6e/16:4)	C46 H74 N O7 P	783.5194	8.137	Pos	0.0036	0.0060
670	PC (22:6e/17:0)	C47 H84 N O7 P	805.5976	11.474	Pos	0.2076	0.1513
671	PC (22:6e/17:2)	C47 H80 N O7 P	801.5661	10.918	Pos	0.0031	0.0015
672	PC (22:6e/18:1)	C48 H84 N O7 P	817.5977	11.657	Pos	0.1511	0.0485
673	PC (22:6e/18:4)	C48 H78 N O7 P	811.5505	9.104	Pos	0.0023	0.0425
674	PC (22:6e/19:0)	C49 H88 N O7 P	833.6272	14.211	Pos	0.0036	0.0039
675	PC (22:6e/19:1)	C49 H86 N O7 P	831.5999	8.634	Pos	0.0058	0.0324
676	PC (22:6e/19:2)	C49 H84 N O7 P	829.5981	13.461	Pos	0.0018	0.0014
677	PC (22:6e/2:0)	C32 H54 N O7 P	595.3633	2.531	Pos	0.0060	0.0037
678	PC (22:6e/20:0)	C50 H90 N O7 P	815.6178	12.207	Pos	0.0004	0.0002

679	PC (22:6e/20:2)	C50 H86 N O7 P	843.6132	11.39	Pos	0.0378	0.0142
680	PC (22:6e/20:4)	C50 H82 N O7 P	839.5671	8.756	Pos	0.0009	0.0171
681	PC (22:6e/21:2)	C51 H88 N O7 P	857.6285	12.316	Pos	0.0177	0.0542
682	PC (22:6e/22:0)	C52 H94 N O7 P	875.676	14.673	Pos	0.0080	0.0024
683	PC (22:6e/22:2)	C52 H90 N O7 P	871.6433	12.573	Pos	0.0673	0.0151
684	PC (22:6e/22:3)	C52 H88 N O7 P	869.6291	11.856	Pos	0.0148	0.0019
685	PC (22:6e/22:6)	C52 H82 N O7 P	863.5637	6.542	Pos	0.0001	0.0005
686	PC (22:6e/23:0)	C53 H96 N O7 P	889.691	15.04	Pos	0.0019	0.0003
687	PC (22:6e/24:1)	C54 H96 N O7 P	901.6917	14.954	Pos	0.0245	0.0048
688	PC (22:6e/26:0)	C56 H102 N O7 P	931.7363	15.24	Pos	0.0014	0.0002
689	PC (22:6e/26:1)	C56 H100 N O7 P	929.7234	15.6	Pos	0.0011	0.0000
690	PC (22:6e/26:4)	C56 H94 N O7 P	923.6761	13.373	Pos	0.0011	0.0011
691	PC (22:6e/6:0)	C36 H62 N O7 P	651.4265	5.625	Pos	0.0005	0.0002
692	PC (22:6e/7:0)	C37 H64 N O7 P	665.439	3.244	Pos	0.0001	0.0007
693	PC (22:6e/8:0)	C38 H66 N O7 P	679.4573	7.283	Pos	0.0064	0.0013
694	PC (23:0/20:5)	C51 H92 N O8 P	923.6647	12.766	Neg	0.0003	0.0017
695	PC (23:0/22:1)	C53 H104 N O8 P	881.7113	15.017	Pos	0.0003	0.0000
696	PC (23:0/22:2)	C53 H102 N O8 P	911.7328	15.905	Pos	0.0609	0.0026
697	PC (23:0/22:4)	C53 H98 N O8 P	907.7016	14.178	Pos	0.0010	0.0011
698	PC (23:0/22:5)	C53 H96 N O8 P	905.6995	13.689	Pos	0.0012	0.0009
699	PC (23:0/22:6)	C53 H94 N O8 P	903.6711	14.479	Pos	0.0011	0.0019
700	PC (23:0/23:0)	C54 H108 N O8 P	929.779	14.458	Pos	0.0010	0.0001
701	PC (24:0/16:1)	C48 H94 N O8 P	843.6711	15.024	Pos	0.0737	0.0622
702	PC (24:0/18:1)	C50 H98 N O8 P	917.7119	15.651	Neg	0.0711	0.0005
703	PC (24:0/20:5)	C52 H94 N O8 P	891.6694	14.734	Pos	0.0047	0.0019
704	PC (24:0/22:6)	C54 H96 N O8 P	963.6956	14.839	Neg	0.0008	0.0005
705	PC (24:0/24:1)	C56 H110 N O8 P	955.7836	15.86	Pos	0.0003	0.0006
706	PC (24:0/25:0)	C57 H114 N O8 P	954.7912	14.904	Pos	0.0000	0.0000
707	PC (24:1/20:5)	C52 H92 N O8 P	889.6552	13.49	Pos	0.0153	0.0249
708	PC (24:1/22:6)	C54 H94 N O8 P	915.6709	13.815	Pos	0.0146	0.0596
709	PC (24:1/24:1)	C56 H108 N O8 P	921.7435	14.463	Pos	0.0005	0.0001
710	PC (24:1/24:4)	C56 H102 N O8 P	947.7273	15.344	Pos	0.0007	0.0000
711	PC (24:2/24:4)	C56 H100 N O8 P	945.7174	14.648	Pos	0.0078	0.0048
712	PC (24:2/26:4)	C58 H104 N O8 P	973.7493	15.342	Pos	0.0012	0.0005
713	PC (24:4/22:6)	C54 H88 N O8 P	909.6233	8.611	Pos	0.0000	0.0000
714	PC (24:4/24:4)	C56 H96 N O8 P	941.686	13.989	Pos	0.0002	0.0005
715	PC (24:4/26:4)	C58 H100 N O8 P	969.718	14.103	Pos	0.0007	0.0004
716	PC (25:0/18:1)	C51 H100 N O8 P	931.7276	15.999	Neg	0.0037	0.0000
717	PC (25:0/22:6)	C55 H98 N O8 P	931.7025	15.246	Pos	0.0003	0.0004
718	PC (26:0/18:1)	C52 H102 N O8 P	899.7344	16.272	Pos	0.0309	0.0004
719	PC (26:0/20:1)	C54 H106 N O8 P	927.7524	15.14	Pos	0.0015	0.0001
720	PC (26:1/22:6)	C56 H98 N O8 P	943.7019	14.701	Pos	0.0008	0.0046
721	PC (26:1/26:4)	C60 H110 N O8 P	1003.795	15.004	Pos	0.0008	0.0000

722	PC (26:4/22:5)	C56 H94 N O8 P	939.6714	13.111	Pos	0.0003	0.0014
723	PC (26:4/22:6)	C56 H92 N O8 P	937.6549	12.197	Pos	0.0029	0.0020
724	PC (26:4/26:4)	C60 H104 N O8 P	997.7484	14.9	Pos	0.0024	0.0027
725	PC (27:0/22:6)	C57 H102 N O8 P	959.744	14.937	Pos	0.0010	0.0005
726	PC (3:0/16:3)	C27 H48 N O8 P	545.3129	2.362	Pos	0.0009	0.0012
727	PC (4:0/16:2)	C28 H52 N O8 P	561.3426	2.084	Pos	0.0007	0.0010
728	PC (4:0/16:3)	C28 H50 N O8 P	559.3267	1.657	Pos	0.0016	0.0015
729	PC (4:0/16:4)	C28 H48 N O8 P	557.3115	1.126	Pos	0.0013	0.0054
730	PC (4:0/18:5)	C30 H50 N O8 P	583.3271	1.198	Pos	0.0066	0.0127
731	PC (5:0/16:0)	C29 H58 N O8 P	579.4008	2.952	Pos	0.0215	0.0160
732	PC (5:0/16:3)	C29 H52 N O8 P	573.354	1.429	Pos	0.0001	0.0005
733	PC (6:0/14:0)	C28 H56 N O8 P	565.3852	2.351	Pos	0.0026	0.0020
734	PC (6:0/16:0)	C30 H60 N O8 P	593.4167	3.8	Pos	0.0165	0.0019
735	PC (6:0/16:2)	C30 H56 N O8 P	589.374	3.159	Pos	0.0020	0.0012
736	PC (6:0/16:3)	C30 H54 N O8 P	587.3584	1.369	Pos	0.0013	0.0006
737	PC (6:0/17:1)	C31 H60 N O8 P	605.4052	4.001	Pos	0.0004	0.0021
738	PC (6:0/18:0)	C32 H64 N O8 P	621.4478	5.618	Pos	0.0008	0.0001
739	PC (6:0/18:1)	C32 H62 N O8 P	619.42	4.428	Pos	0.0001	0.0003
740	PC (6:0/18:2)	C32 H60 N O8 P	617.4045	4.183	Pos	0.0005	0.0009
741	PC (6:0/19:0)	C33 H66 N O8 P	635.4522	6.433	Pos	0.0000	0.0001
742	PC (6:0/19:1)	C33 H64 N O8 P	633.4479	5.482	Pos	0.0005	0.0004
743	PC (6:0/20:0)	C34 H68 N O8 P	649.4793	6.445	Pos	0.0021	0.0029
744	PC (6:0/20:1)	C34 H66 N O8 P	647.4636	6.363	Pos	0.0036	0.0006
745	PC (7:0/16:2)	C31 H58 N O8 P	603.3897	2.541	Pos	0.0002	0.0037
746	PC (7:0/16:3)	C31 H56 N O8 P	601.3762	2.091	Pos	0.0163	0.0104
747	PC (7:0/16:4)	C31 H54 N O8 P	599.3694	1.607	Pos	0.0188	0.0147
748	PC (7:0/18:5)	C33 H56 N O8 P	625.385	1.908	Pos	0.0465	0.0192
749	PC (7:0/8:0)	C23 H46 N O8 P	541.3014	1.149	Neg	0.0005	0.0000
750	PC (8:0/16:2)	C32 H60 N O8 P	617.4053	3.193	Pos	0.0006	0.0041
751	PC (8:0/16:3)	C32 H58 N O8 P	615.3891	3.473	Pos	0.0008	0.0004
752	PC (8:0/8:0)	C24 H48 N O8 P	509.3119	1.58	Pos	0.0011	0.0004
753	PC (9:0/10:0)	C27 H54 N O8 P	551.3584	3.814	Pos	0.0010	0.0048
754	PC (9:0/16:0)	C33 H66 N O8 P	635.4517	7.952	Pos	0.0008	0.0012
755	PC (9:0/16:2)	C33 H62 N O8 P	631.4209	4.288	Pos	0.0011	0.0170
756	PC (9:0/16:3)	C33 H60 N O8 P	597.3788	4.271	Pos	0.0008	0.0006
757	PC (9:0/16:4)	C33 H58 N O8 P	673.3978	2.159	Neg	0.0027	0.0001
758	PC (9:0/9:0)	C26 H52 N O8 P	537.3426	2.378	Pos	0.0083	0.0009
759	PC(18:1(11Z)/24:1(15Z))	C50 H96 N O8 P	869.6868	16.104	Pos	0.0002	0.0001
760	PC(18:3(6Z,9Z,12Z)/P-16:0)	C42 H78 N O7 P	739.5514	12.323	Pos	0.0126	0.0027
761	PC(18:3(6Z,9Z,12Z)/P-18:1(11Z))	C44 H80 N O7 P	765.5671	12.844	Pos	0.0082	0.0039
762	PC(18:3(9Z,12Z,15Z)/18:	C44 H78 N O8 P	779.5502	9.942	Pos	0.0031	0.0012

	2(9Z,12Z))						
763	PC(18:4(6Z,9Z,12Z,15Z)/P-18:1(11Z))	C44 H78 N O7 P	763.5544	12.581	Neg	0.0183	0.0106
764	PC(20:5(5Z,8Z,11Z,14Z,17Z)/P-18:1(11Z))	C46 H80 N O7 P	789.5702	13.033	Neg	0.0111	0.0047
765	PC(22:0/18:3(9Z,12Z,15Z))	C48 H90 N O8 P	839.6395	15.04	Pos	0.0007	0.0002
766	PC(22:2(13Z,16Z)/P-18:1(11Z))	C48 H90 N O7 P	823.6423	14.81	Pos	0.0030	0.0047
767	PC(o-16:1(9Z)/22:0)	C46 H92 N O7 P	801.6623	18.79	Pos	0.0000	0.0000
768	PC(o-18:0/18:2(9Z,12Z))	C44 H86 N O7 P	771.6172	14.352	Neg	0.0071	0.0080
769	PC(o-18:1(9Z)/18:2(9Z,12Z))	C44 H84 N O7 P	769.6014	14.221	Neg	0.0091	0.0098
770	PC(o-18:1(9Z)/20:1(11Z))	C46 H90 N O7 P	799.6466	13.27	Neg	0.0005	0.0004
771	PC(o-18:2(9Z,12Z)/18:2(9Z,12Z))	C44 H82 N O7 P	767.582	12.617	Pos	0.0886	0.2838
772	PC(o-18:2(9Z,12Z)/22:0)	C48 H94 N O7 P	827.6791	15.934	Pos	0.0007	0.0001
773	PC(o-18:2(9Z,12Z)/24:0)	C50 H98 N O7 P	855.705	11.914	Pos	0.0215	0.0024
774	PC(o-20:0/18:3(6Z,9Z,12Z))	C46 H88 N O7 P	797.6326	14.823	Neg	0.0012	0.0005
775	PC(o-22:1(13Z)/22:3(10Z,13Z,16Z))	C52 H98 N O7 P	879.7093	16.34	Pos	0.0253	0.0000
776	PC(o-22:2(13Z,16Z)/22:3(10Z,13Z,16Z))	C52 H96 N O7 P	877.6958	16.124	Neg	0.0002	0.0000
777	PC(P-16:0/16:0)	C40 H80 N O7 P	717.5698	12.094	Neg	0.0245	0.0071
778	PC(P-16:0/18:4(6Z,9Z,12Z,15Z))	C42 H76 N O7 P	737.5356	16.076	Pos	0.0013	0.0000
779	PC (16:0-18:0+1O(1Cyc))	C42 H82 N O9 P	821.5811	8.511	Neg	0.0002	0.0079
780	PC (16:0-20:4+1O(1Cyc))	C44 H78 N O9 P	841.5495	8.449	Neg	0.0032	0.0186
781	PC (16:0-20:4+1O)	C44 H80 N O9 P	843.5658	8.372	Neg	0.0013	0.0102
782	PC (16:0-20:5+1O(1Cyc))	C44 H76 N O9 P	839.538	7.332	Neg	0.0010	0.0062
783	PC (16:0-22:5+1O(1Cyc))	C46 H80 N O9 P	867.5655	8.614	Neg	0.0033	0.0239
784	PC (16:0-22:6+1O)	C46 H80 N O9 P	867.5655	8.157	Neg	0.0086	0.0758
785	PC (16:0-22:6+2O)	C46 H80 N O10 P	883.5603	8.166	Neg	0.0081	0.1695
786	PC (16:0-22:6+3O)	C46 H80 N O11 P	899.5557	7.462	Neg	0.0009	0.0175
787	PC (16:0-22:6+4O)	C46 H80 N O12 P	915.5509	7.213	Neg	0.0005	0.0194
788	PC (16:0e/20:5+1O)	C44 H80 N O8 P	827.5701	8.538	Neg	0.0008	0.0018
789	PC (16:0e/22:5+1O(1Cyc))	C46 H82 N O8 P	853.5653	9.368	Neg	0.0088	0.0044

790	PC (16:0e/22:6+1O)	C46 H82 N O8 P	853.5862	8.614	Neg	0.0013	0.0049
791	PC (18:0-18:0+1O(1Cyc))	C44 H86 N O9 P	849.5917	10.69	Neg	0.0287	0.0077
792	PC (18:0-18:1+3O)	C44 H86 N O11 P	881.5817	11.844	Neg	0.0002	0.0027
793	PC (18:0-20:4+1O)	C46 H84 N O9 P	871.5989	8.895	Neg	0.0014	0.0035
794	PC (18:0-20:5+2O)	C46 H82 N O10 P	885.5667	8.974	Neg	0.0001	0.0026
795	PC (18:0-22:6+1O)	C48 H84 N O9 P	895.5971	9.021	Neg	0.0006	0.0051
796	PC (18:0-22:6+2O)	C48 H84 N O10 P	911.5924	9.005	Neg	0.0003	0.0063
797	PC (18:0-22:6+4O)	C48 H84 N O12 P	943.5816	7.725	Neg	0.0003	0.0080
798	PC (18:1-20:3+1O(1Cyc))	C46 H82 N O9 P	869.5812	8.616	Neg	0.0024	0.0141
799	PC (18:1-20:3+2O(1Cyc))	C46 H82 N O10 P	885.5753	7.371	Neg	0.0003	0.0007
800	PC (18:1-20:5+1O(1Cyc))	C46 H78 N O9 P	865.5498	8.095	Neg	0.0007	0.0089
801	PC (18:1-22:5+1O(1Cyc))	C48 H82 N O9 P	893.581	9.063	Neg	0.0010	0.0023
802	PC (18:1-22:5+2O)	C48 H84 N O10 P	911.5924	7.955	Neg	0.0003	0.0014
803	PC (18:1-22:6+1O)	C48 H82 N O9 P	893.582	8.392	Neg	0.0006	0.0020
804	PC (18:1-22:6+2O)	C48 H82 N O10 P	909.5758	8.249	Neg	0.0007	0.0188
805	PE (16:0-18:1+3O)	C39 H76 N O11 P	765.5181	7.369	Neg	0.0003	0.0003
806	PE (16:0-20:5+1O)	C41 H72 N O9 P	753.4972	8.019	Neg	0.0051	0.0321
807	PE (16:0-20:5+1O(1Cyc))	C41 H70 N O9 P	751.4816	7.934	Neg	0.0001	0.0018
808	PE (16:0-20:5+2O)	C41 H72 N O10 P	769.4919	7.925	Neg	0.0017	0.0500
809	PE (16:0-20:5+3O(2Cyc))	C41 H72 N O11 P	785.4874	6.686	Neg	0.0002	0.0057
810	PE (16:0-22:5+1O(1Cyc))	C43 H74 N O9 P	779.5128	8.293	Neg	0.0024	0.0097
811	PE (16:0-22:6+2O)	C43 H74 N O10 P	795.5078	9.189	Neg	0.0001	0.0033
812	PE (16:0e/20:3+1O)	C41 H78 N O8 P	743.5495	11.73	Neg	0.0003	0.0002
813	PE (16:0e/20:3+2O)	C41 H78 N O9 P	759.5433	8.829	Neg	0.0002	0.0025
814	PE (16:0e/20:5+1O)	C41 H74 N O8 P	739.5181	9.206	Neg	0.0017	0.0012
815	PE (18:0-20:3+1O)	C43 H80 N O9 P	785.5598	11.987	Neg	0.0010	0.0013
816	PE (18:0-20:5+2O)	C43 H76 N O10 P	797.5218	7.709	Neg	0.0005	0.0023
817	PE (18:0-20:5+4O(2Cyc))	C43 H76 N O12 P	829.5141	7.433	Neg	0.0001	0.0040
818	PE (18:1-20:3+3O)	C43 H78 N O11 P	815.5356	6.012	Neg	0.0002	0.0009
819	PE (18:1-20:5+2O)	C43 H74 N O10 P	795.508	7.998	Neg	0.0021	0.0108
820	PE (18:1e/20:5+4O(2Cyc))	C43 H76 N O11 P	813.5184	7.994	Neg	0.0031	0.0219
821	PE (10:0/16:0)	C31 H62 N O8 P	607.4232	8.502	Neg	0.0007	0.0000
822	PE (12:0/16:0)	C33 H66 N O8 P	635.4543	9.536	Neg	0.0021	0.0001
823	PE (12:0/16:1)	C33 H64 N O8 P	633.4392	8.525	Neg	0.0045	0.0000
824	PE (12:0/20:5)	C37 H64 N O8 P	681.4391	8.007	Neg	0.0007	0.0016
825	PE (12:0/22:6)	C39 H66 N O8 P	707.4523	8.422	Pos	0.0000	0.0011
826	PE (14:0/20:5)	C39 H68 N O8 P	709.4676	9.048	Pos	0.0033	0.0612
827	PE (14:0/22:6)	C41 H70 N O8 P	735.4834	9.482	Pos	0.0059	0.0242
828	PE (14:0e/20:0)	C39 H80 N O7 P	705.5663	13.872	Pos	0.0009	0.0003
829	PE (14:0e/20:1)	C39 H78 N O7 P	703.5512	12.892	Pos	0.0285	0.0019
830	PE (14:0e/20:5)	C39 H70 N O7 P	695.4913	9.795	Neg	0.0007	0.0024
831	PE (14:0e/26:2)	C45 H88 N O7 P	785.6294	14.728	Pos	0.0161	0.0354

832	PE (14:1/22:6)	C41 H68 N O8 P	733.4711	8.603	Neg	0.0002	0.0004
833	PE (14:1e/18:0)	C37 H74 N O7 P	675.5197	11.625	Pos	0.0102	0.0003
834	PE (14:1e/20:5)	C39 H68 N O7 P	693.4757	9.515	Neg	0.0027	0.0002
835	PE (14:1e/22:6)	C41 H70 N O7 P	719.4914	9.971	Neg	0.0034	0.0005
836	PE (14:1e/24:1)	C43 H84 N O7 P	757.5981	13.974	Pos	0.0409	0.0845
837	PE (14:1e/26:4)	C45 H82 N O7 P	779.5829	12.976	Pos	0.0136	0.0113
838	PE (15:0/20:5)	C40 H70 N O8 P	723.4823	9.631	Pos	0.0021	0.0051
839	PE (15:0/22:6)	C42 H72 N O8 P	749.4981	10.1	Pos	0.0031	0.0033
840	PE (16:0/14:1)	C35 H68 N O8 P	661.4703	9.766	Neg	0.0017	0.0001
841	PE (16:0/16:0)	C37 H74 N O8 P	691.5181	11.895	Neg	0.0014	0.0002
842	PE (16:0/16:1)	C37 H72 N O8 P	689.5016	10.791	Neg	0.0024	0.0004
843	PE (16:0/17:1)	C38 H74 N O8 P	703.5177	11.474	Neg	0.0015	0.0001
844	PE (16:0/18:0)	C39 H78 N O8 P	719.5491	11.623	Neg	0.2489	0.0197
845	PE (16:0/18:1)	C39 H76 N O8 P	717.5306	12.026	Pos	0.0114	0.0102
846	PE (16:0/18:2)	C39 H74 N O8 P	715.5178	11.208	Neg	0.0015	0.0016
847	PE (16:0/18:4)	C39 H70 N O8 P	711.4866	8.438	Neg	0.0020	0.0245
848	PE (16:0/20:1)	C41 H80 N O8 P	745.5649	13.151	Neg	0.0147	0.0208
849	PE (16:0/20:3)	C41 H76 N O8 P	741.5337	11.503	Neg	0.0012	0.0003
850	PE (16:0/20:4)	C41 H74 N O8 P	739.5148	10.922	Pos	0.1228	0.0706
851	PE (16:0/20:5)	C41 H72 N O8 P	737.4989	10.246	Pos	0.3148	0.1460
852	PE (16:0/22:6)	C43 H74 N O8 P	763.5177	10.663	Neg	0.2966	0.4629
853	PE (16:0e/16:0)	C37 H76 N O7 P	677.538	12.733	Neg	0.0013	0.0003
854	PE (16:0e/16:1)	C37 H74 N O7 P	675.5225	11.612	Neg	0.0105	0.0001
855	PE (16:0e/17:1)	C38 H76 N O7 P	689.5389	12.28	Neg	0.0027	0.0001
856	PE (16:0e/18:1)	C39 H78 N O7 P	703.5541	12.872	Neg	0.0336	0.0026
857	PE (16:0e/20:1)	C41 H82 N O7 P	731.5857	13.966	Neg	0.0265	0.0188
858	PE (16:0e/20:2)	C41 H80 N O7 P	729.5698	13.021	Neg	0.0108	0.0035
859	PE (16:0e/20:4)	C41 H76 N O7 P	725.5388	11.735	Neg	0.0539	0.0073
860	PE (16:0e/20:5)	C41 H74 N O7 P	723.5229	11.001	Neg	0.0958	0.1698
861	PE (16:0e/21:2)	C42 H82 N O7 P	743.586	13.5	Neg	0.0080	0.0026
862	PE (16:0e/22:2)	C43 H84 N O7 P	757.6011	13.948	Neg	0.0514	0.0814
863	PE (16:0e/22:5)	C43 H78 N O7 P	751.545	11.519	Neg	0.0161	0.0092
864	PE (16:0e/22:6)	C43 H76 N O7 P	749.5384	11.466	Neg	0.2513	0.0947
865	PE (16:1/20:5)	C41 H70 N O8 P	735.4863	9.178	Neg	0.0012	0.0362
866	PE (16:1/22:6)	C43 H72 N O8 P	761.4988	9.598	Pos	0.0018	0.0127
867	PE (16:1e/16:0)	C37 H74 N O7 P	675.5225	12.545	Neg	0.0038	0.0001
868	PE (16:1e/17:1)	C38 H74 N O7 P	687.5226	12.126	Neg	0.0112	0.0001
869	PE (16:1e/18:1)	C39 H76 N O7 P	701.5386	12.599	Neg	0.0157	0.0008
870	PE (16:1e/20:4)	C41 H74 N O7 P	723.5228	11.466	Neg	0.1510	0.0033
871	PE (16:1e/20:5)	C41 H72 N O7 P	721.5072	10.77	Neg	0.2515	0.0914
872	PE (16:1e/21:1)	C42 H82 N O7 P	743.5827	13.518	Pos	0.0023	0.0034
873	PE (16:1e/22:2)	C43 H82 N O7 P	755.5856	13.807	Neg	0.0368	0.0199
874	PE (16:1e/22:5)	C43 H76 N O7 P	749.5356	11.421	Pos	0.3043	0.1568

875	PE (16:1e/22:6)	C43 H74 N O7 P	747.5231	11.227	Neg	0.2021	0.1002
876	PE (16:1e/26:2)	C47 H90 N O7 P	811.6448	14.674	Pos	0.0034	0.0134
877	PE (16:2e/20:0)	C41 H80 N O7 P	729.5668	12.895	Pos	0.0098	0.0022
878	PE (16:2e/20:5)	C41 H70 N O7 P	719.4913	9.727	Neg	0.0016	0.0015
879	PE (16:2e/22:5)	C43 H74 N O7 P	747.5196	11.191	Pos	0.2000	0.0682
880	PE (17:0/18:1)	C40 H78 N O8 P	731.5496	12.613	Neg	0.0037	0.0012
881	PE (17:0/20:1)	C42 H82 N O8 P	759.5806	13.685	Neg	0.0019	0.0012
882	PE (17:0/20:4)	C42 H76 N O8 P	753.5304	11.499	Pos	0.0328	0.0008
883	PE (17:0/20:5)	C42 H74 N O8 P	751.5147	10.803	Pos	0.1069	0.0569
884	PE (17:0/22:2)	C44 H84 N O8 P	785.5965	13.768	Neg	0.0026	0.0016
885	PE (17:0/22:6)	C44 H76 N O8 P	777.5305	11.252	Pos	0.0505	0.0299
886	PE (17:1/20:5)	C42 H72 N O8 P	749.4971	9.738	Pos	0.0011	0.0055
887	PE (18:0/18:0)	C41 H82 N O8 P	747.5814	14.109	Neg	0.0008	0.0003
888	PE (18:0/18:1)	C41 H80 N O8 P	745.5648	11.719	Neg	0.6172	1.1973
889	PE (18:0/18:4)	C41 H74 N O8 P	739.5178	9.468	Neg	0.0193	0.1136
890	PE (18:0/20:1)	C43 H84 N O8 P	773.5959	14.196	Neg	0.0056	0.0099
891	PE (18:0/20:4)	C43 H78 N O8 P	767.5491	12.135	Neg	0.2616	0.0630
892	PE (18:0/20:5)	C43 H76 N O8 P	765.5334	11.437	Neg	0.6392	0.1317
893	PE (18:0/22:1)	C45 H88 N O8 P	801.6276	14.746	Neg	0.0011	0.0008
894	PE (18:0/22:4)	C45 H82 N O8 P	795.5809	12.903	Neg	0.0031	0.0008
895	PE (18:0/22:5)	C45 H80 N O8 P	793.5642	10.743	Neg	0.0069	0.0014
896	PE (18:0/22:6)	C45 H78 N O8 P	791.5475	11.865	Pos	0.2630	0.1500
897	PE (18:0e/10:0)	C33 H68 N O7 P	621.4752	10.491	Neg	0.0038	0.0001
898	PE (18:0e/14:0)	C37 H76 N O7 P	677.5385	11.195	Neg	0.0437	0.0083
899	PE (18:0e/16:0)	C39 H80 N O7 P	705.5702	12.5	Neg	0.0852	0.0143
900	PE (18:0e/17:1)	C40 H80 N O7 P	717.5704	13.514	Neg	0.0083	0.0014
901	PE (18:0e/18:1)	C41 H82 N O7 P	731.5853	12.623	Neg	0.1955	0.2066
902	PE (18:0e/20:1)	C43 H86 N O7 P	759.6168	14.735	Neg	0.0104	0.0314
903	PE (18:0e/20:2)	C43 H84 N O7 P	757.6014	12.719	Neg	0.0427	0.0527
904	PE (18:0e/20:4)	C43 H80 N O7 P	753.5701	12.934	Neg	0.0691	0.0106
905	PE (18:0e/20:5)	C43 H78 N O7 P	751.5539	12.23	Neg	0.1502	0.1744
906	PE (18:0e/21:1)	C44 H88 N O7 P	773.6327	14.936	Neg	0.0010	0.0019
907	PE (18:0e/22:2)	C45 H88 N O7 P	785.6326	14.711	Neg	0.0236	0.0344
908	PE (18:0e/22:4)	C45 H84 N O7 P	781.5974	13.808	Pos	0.0081	0.0055
909	PE (18:0e/22:5)	C45 H82 N O7 P	779.5858	12.875	Neg	0.0158	0.0102
910	PE (18:0e/22:6)	C45 H80 N O7 P	777.5699	11.042	Neg	1.1607	0.5255
911	PE (18:1/18:1)	C41 H78 N O8 P	743.5495	12.029	Neg	0.3133	0.1748
912	PE (18:1/19:1)	C42 H80 N O8 P	757.5645	12.644	Neg	0.0113	0.0109
913	PE (18:1/20:1)	C43 H82 N O8 P	771.5808	11.853	Neg	0.0454	0.1324
914	PE (18:1/20:4)	C43 H76 N O8 P	765.5303	11.443	Pos	0.7911	0.2846
915	PE (18:1/20:5)	C43 H74 N O8 P	763.5179	9.181	Neg	0.2253	0.4144
916	PE (18:1/22:6)	C45 H76 N O8 P	789.5335	10.726	Neg	0.0486	0.1387
917	PE (18:1e/16:0)	C39 H78 N O7 P	703.554	11.773	Neg	0.0537	0.0016

918	PE (18:1e/17:1)	C40 H78 N O7 P	715.5542	13.339	Neg	0.0125	0.0004
919	PE (18:1e/18:0)	C41 H82 N O7 P	731.5824	13.982	Pos	0.0186	0.0179
920	PE (18:1e/18:1)	C41 H80 N O7 P	729.57	13.773	Neg	0.0334	0.0077
921	PE (18:1e/20:1)	C43 H84 N O7 P	757.6011	14.607	Neg	0.0168	0.0097
922	PE (18:1e/20:4)	C43 H78 N O7 P	751.5541	12.712	Neg	0.3039	0.0433
923	PE (18:1e/20:5)	C43 H76 N O7 P	749.5384	12.018	Neg	0.4772	0.2798
924	PE (18:1e/21:1)	C44 H86 N O7 P	771.6136	14.344	Pos	0.0075	0.0128
925	PE (18:1e/22:2)	C45 H86 N O7 P	783.6171	13.945	Neg	0.0030	0.0131
926	PE (18:1e/22:6)	C45 H78 N O7 P	775.5541	12.418	Neg	0.3001	0.2241
927	PE (18:2/18:3)	C41 H72 N O8 P	737.4991	14.655	Pos	0.0006	0.0005
928	PE (18:2e/17:1)	C40 H76 N O7 P	713.5386	12.161	Neg	0.0033	0.0001
929	PE (18:2e/18:1)	C41 H78 N O7 P	727.5542	12.701	Neg	0.0075	0.0012
930	PE (18:2e/20:3)	C43 H78 N O7 P	751.551	16.273	Pos	0.0059	0.0001
931	PE (18:2e/20:5)	C43 H74 N O7 P	747.5231	10.806	Neg	0.1305	0.0542
932	PE (18:2e/22:6)	C45 H76 N O7 P	773.5386	11.271	Neg	0.0531	0.0594
933	PE (18:3/20:5)	C43 H70 N O8 P	759.481	10.182	Pos	0.0020	0.0002
934	PE (18:3e/19:2)	C42 H76 N O7 P	737.5357	11.54	Pos	0.0232	0.0055
935	PE (18:3e/22:6)	C45 H74 N O7 P	771.5226	10.406	Neg	0.0023	0.0028
936	PE (18:4/20:4)	C43 H70 N O8 P	759.4836	8.699	Pos	0.0002	0.0012
937	PE (18:4/20:5)	C43 H68 N O8 P	757.4709	8.155	Neg	0.0001	0.0006
938	PE (18:4/22:6)	C45 H70 N O8 P	783.4834	8.518	Pos	0.0030	0.0224
939	PE (18:4e/22:1)	C45 H82 N O7 P	779.5829	13.448	Pos	0.0120	0.0105
940	PE (18:4e/22:2)	C45 H80 N O7 P	777.5665	12.65	Pos	0.2918	0.3739
941	PE (18:5e/20:1)	C43 H76 N O7 P	749.5358	10.952	Pos	0.0113	0.0187
942	PE (18:5e/20:5)	C43 H68 N O7 P	741.4759	8.295	Neg	0.0000	0.0001
943	PE (19:0/20:1)	C44 H86 N O8 P	787.6121	13.543	Neg	0.0371	0.1037
944	PE (19:0/20:4)	C44 H80 N O8 P	781.5638	12.725	Neg	0.0058	0.0010
945	PE (19:0/20:5)	C44 H78 N O8 P	779.5493	12.04	Neg	0.0112	0.0082
946	PE (19:1/19:2)	C43 H80 N O8 P	769.561	17.466	Pos	0.0003	0.0003
947	PE (19:1/20:3)	C44 H80 N O8 P	781.561	12.743	Pos	0.0059	0.0017
948	PE (19:1/20:5)	C44 H76 N O8 P	777.5336	10.872	Neg	0.0113	0.0166
949	PE (19:1/22:6)	C46 H78 N O8 P	803.5492	11.288	Neg	0.0069	0.0112
950	PE (19:2/19:2)	C43 H78 N O8 P	767.5458	12.141	Pos	0.2668	0.0788
951	PE (2:0/16:0)	C23 H46 N O8 P	495.2975	2.504	Neg	0.0068	0.0142
952	PE (2:0/17:0)	C24 H48 N O8 P	509.3132	3.205	Neg	0.0022	0.0014
953	PE (2:0/18:0)	C25 H50 N O8 P	523.3288	4.217	Neg	0.0152	0.0059
954	PE (2:0/20:1)	C27 H52 N O8 P	549.3445	4.01	Neg	0.0011	0.0072
955	PE (2:0/20:4)	C27 H46 N O8 P	543.2984	1.862	Neg	0.0008	0.0006
956	PE (2:0/20:5)	C27 H44 N O8 P	541.282	1.532	Neg	0.0010	0.0072
957	PE (2:0/22:6)	C29 H46 N O8 P	567.2978	1.787	Neg	0.0016	0.0044
958	PE (20:0/20:1)	C45 H88 N O8 P	801.6271	14	Neg	0.0510	0.1898
959	PE (20:0/20:4)	C45 H82 N O8 P	795.5768	13.352	Pos	0.0030	0.0025
960	PE (20:0/22:6)	C47 H82 N O8 P	819.5783	13.078	Pos	0.0034	0.0042

961	PE (20:1/18:2)	C43 H80 N O8 P	769.5621	12.513	Pos	0.0045	0.0078
962	PE (20:1/20:2)	C45 H84 N O8 P	797.5932	13.647	Pos	0.0088	0.0103
963	PE (20:1/20:4)	C45 H80 N O8 P	793.562	12.102	Pos	0.1814	0.1565
964	PE (20:1/20:5)	C45 H78 N O8 P	791.549	11.503	Neg	0.3820	0.4941
965	PE (20:1/21:1)	C46 H88 N O8 P	813.6277	14.506	Neg	0.0009	0.0010
966	PE (20:1/22:1)	C47 H90 N O8 P	827.6421	14.013	Neg	0.0004	0.0007
967	PE (20:1/22:2)	C47 H88 N O8 P	825.6278	14.162	Neg	0.0128	0.0118
968	PE (20:1/22:3)	C47 H86 N O8 P	823.6121	13.532	Neg	0.0021	0.0015
969	PE (20:1/22:4)	C47 H84 N O8 P	783.6403	12.851	Neg	0.0034	0.0025
970	PE (20:1/22:5)	C47 H82 N O8 P	819.5806	12.193	Neg	0.0041	0.0137
971	PE (20:1/22:6)	C47 H80 N O8 P	817.5647	11.854	Neg	0.2291	0.3105
972	PE (20:2/20:3)	C45 H80 N O8 P	793.5615	12.666	Pos	0.0142	0.0226
973	PE (20:2/22:6)	C47 H78 N O8 P	815.5461	10.866	Pos	0.0075	0.0228
974	PE (20:3/20:5)	C45 H74 N O8 P	787.5145	9.683	Pos	0.0051	0.0138
975	PE (20:3/22:6)	C47 H76 N O8 P	813.5298	10.121	Pos	0.0077	0.0053
976	PE (20:3e/20:2)	C45 H82 N O7 P	779.5818	13.847	Pos	0.0064	0.0006
977	PE (20:3e/22:6)	C47 H78 N O7 P	799.5549	11.311	Neg	0.0035	0.0088
978	PE (20:4/20:4)	C45 H74 N O8 P	787.5121	11.411	Pos	0.0027	0.0003
979	PE (20:4/20:5)	C45 H72 N O8 P	785.4978	9.019	Pos	0.0018	0.0038
980	PE (20:5/20:5)	C45 H70 N O8 P	783.4868	8.5	Neg	0.0045	0.0155
981	PE (20:5/22:6)	C47 H72 N O8 P	809.4989	8.903	Pos	0.0142	0.0817
982	PE (20:5e/22:2)	C47 H82 N O7 P	803.5823	12.554	Pos	0.0343	0.0722
983	PE (20:5e/22:6)	C47 H74 N O7 P	795.5226	9.37	Neg	0.0002	0.0010
984	PE (22:1/22:6)	C49 H84 N O8 P	845.5965	11.439	Neg	0.2607	0.3226
985	PE (22:5/22:6)	C49 H76 N O8 P	837.5345	8.727	Neg	0.0517	0.0453
986	PE (22:6/22:6)	C49 H74 N O8 P	835.5181	9.284	Neg	0.0142	0.0205
987	PE (24:0/18:1)	C47 H92 N O8 P	829.6592	15.489	Neg	0.0019	0.0000
988	PE (26:0/18:1)	C49 H96 N O8 P	857.6895	16.007	Neg	0.0003	0.0000
989	PE (26:4/22:5)	C53 H88 N O8 P	897.6243	13.283	Pos	0.0002	0.0019
990	PE (3:0/16:0)	C24 H48 N O8 P	509.313	2.723	Neg	0.0013	0.0050
991	PE (3:0/18:1)	C26 H50 N O8 P	535.3289	2.907	Neg	0.0004	0.0018
992	PE (3:0/20:1)	C28 H54 N O8 P	563.3604	4.765	Neg	0.0003	0.0114
993	PE (3:0/20:5)	C28 H46 N O8 P	555.2976	1.587	Neg	0.0002	0.0025
994	PE (3:0/22:6)	C30 H48 N O8 P	581.3134	1.875	Neg	0.0003	0.0025
995	PE (3:0/26:0)	C34 H68 N O8 P	649.4676	7.033	Pos	0.0001	0.0004
996	PE (4:0/18:3)	C27 H48 N O8 P	545.3114	1.366	Pos	0.0008	0.0006
997	PE (4:0/20:1)	C29 H56 N O8 P	577.3759	5.436	Neg	0.0002	0.0031
998	PE (4:0/22:6)	C31 H50 N O8 P	595.3288	2.074	Neg	0.0003	0.0011
999	PE (5:0/18:1)	C28 H54 N O8 P	563.3606	3.273	Neg	0.0012	0.0022
1000	PE (5:0/20:1)	C30 H58 N O8 P	591.3921	5.313	Neg	0.0017	0.0058
1001	PE (5:0/22:6)	C32 H52 N O8 P	609.3451	2.057	Neg	0.0013	0.0017
1002	PE (6:0/20:5)	C31 H52 N O8 P	597.3448	1.776	Neg	0.0433	0.0394
1003	PE (9:0/16:2)	C30 H56 N O8 P	589.3717	4.896	Pos	0.0860	0.0096

1004	PG (16:0/20:4)	C42 H75 O10 P	770.5124	10.026	Neg	0.0027	0.0001
1005	PG (18:0/20:4)	C44 H79 O10 P	798.5437	11.175	Neg	0.0056	0.0001
1006	PG (18:0/20:5)	C44 H77 O10 P	796.5281	10.521	Neg	0.1029	0.0062
1007	PG (18:0/22:6)	C46 H79 O10 P	822.5439	10.902	Neg	0.0138	0.0001
1008	PG (18:1/20:5)	C44 H75 O10 P	794.5123	9.76	Neg	0.0241	0.0001
1009	PG (20:1/20:4)	C46 H81 O10 P	824.5597	11.126	Neg	0.0042	0.0013
1010	PG (20:1/20:5)	C46 H79 O10 P	822.5439	10.471	Neg	0.0143	0.0011
1011	PG (20:1/22:6)	C48 H81 O10 P	848.5592	10.852	Neg	0.0028	0.0001
1012	PG (20:5/22:6)	C48 H73 O10 P	840.4968	8.307	Neg	0.0009	0.0003
1013	PG (22:5/22:6)	C50 H77 O10 P	868.5285	8.904	Neg	0.0019	0.0001
1014	PG (22:6/22:6)	C50 H75 O10 P	866.5129	8.348	Neg	0.0079	0.0001
1015	PG(16:0/22:5(7Z,10Z,13Z,16Z,19Z))	C44 H77 O10 P	796.5243	10.506	Pos	0.0177	0.0005
1016	PG(16:1(9Z)/18:1(9Z))	C40 H75 O10 P	746.5095	8.695	Pos	0.0002	0.0005
1017	PG(16:1(9Z)/20:4(5Z,8Z,11Z,14Z))	C42 H73 O10 P	768.4967	9.587	Neg	0.0029	0.0019
1018	PG(18:0/22:5(4Z,7Z,10Z,13Z,16Z))	C46 H81 O10 P	824.5549	8.792	Pos	0.0006	0.0006
1019	PG(18:0/22:6(4Z,7Z,10Z,13Z,16Z,19Z))	C46 H79 O10 P	822.5407	6.25	Neg	0.0001	0.0008
1020	PG(18:1(11Z)/18:2(9Z,12Z))	C42 H77 O10 P	772.5228	10.174	Pos	0.0013	0.0008
1021	PG(18:1(11Z)/22:6(4Z,7Z,10Z,13Z,16Z,19Z))	C46 H77 O10 P	820.5289	14.63	Pos	0.0001	0.0001
1022	PG(18:2(9Z,12Z)/22:6(4Z,7Z,10Z,13Z,16Z,19Z))	C46 H75 O10 P	818.5116	6.397	Pos	0.0000	0.0000
1023	PI (16:0/20:5)	C45 H77 O13 P	856.5128	9.375	Neg	0.0002	0.0122
1024	PI (18:0/20:2)	C47 H87 O13 P	890.5915	12.501	Neg	0.0001	0.0012
1025	PI (18:0/20:4)	C47 H83 O13 P	886.5599	10.976	Neg	0.0022	0.0001
1026	PI (18:0/20:5)	C47 H81 O13 P	884.5442	10.572	Neg	0.0004	0.0330
1027	PI (18:1/20:5)	C47 H79 O13 P	882.5286	9.421	Neg	0.0002	0.0060
1028	PI (20:1/20:2)	C49 H89 O13 P	916.608	12.438	Neg	0.0001	0.0005
1029	PI (20:1/20:5)	C49 H83 O13 P	910.56	10.528	Neg	0.0003	0.0119
1030	PI (20:2/20:5)	C49 H81 O13 P	908.5442	10.05	Neg	0.0001	0.0006
1031	PI (20:3/20:5)	C49 H79 O13 P	906.5284	8.932	Neg	0.0001	0.0008
1032	PI (20:4/20:5)	C49 H77 O13 P	904.5132	8.435	Neg	0.0001	0.0041
1033	PI (20:5/20:5)	C49 H75 O13 P	902.4975	7.83	Neg	0.0004	0.0348
1034	PI (20:5/22:6)	C51 H77 O13 P	928.5134	8.205	Neg	0.0001	0.0019
1035	PS (14:0/22:6)	C42 H70 N O10 P	779.4783	8.788	Neg	0.0001	0.0005
1036	PS (16:0/18:1)	C40 H76 N O10 P	761.5224	11.374	Neg	0.0002	0.0010
1037	PS (16:0/20:5)	C42 H72 N O10 P	781.492	9.618	Neg	0.0002	0.0117
1038	PS (16:0/22:6)	C44 H74 N O10 P	807.508	10.074	Neg	0.0002	0.0071
1039	PS (18:0/18:1)	C42 H80 N O10 P	789.5536	12.317	Neg	0.0003	0.0023

1040	PS (18:0/20:1)	C44 H84 N O10 P	817.5863	13.376	Neg	0.0010	0.0046
1041	PS (18:0/20:4)	C44 H78 N O10 P	811.5407	11.122	Neg	0.0036	0.0001
1042	PS (18:0/20:5)	C44 H76 N O10 P	809.5236	10.63	Neg	0.0017	0.0141
1043	PS (18:0/22:6)	C46 H78 N O10 P	835.5398	11.184	Neg	0.0004	0.0121
1044	PS (18:1/20:1)	C44 H82 N O10 P	815.5706	12.394	Neg	0.0005	0.0019
1045	PS (18:1/20:5)	C44 H74 N O10 P	807.5042	9.789	Pos	0.0037	0.0048
1046	PS (18:1/22:6)	C46 H76 N O10 P	833.5238	10.022	Neg	0.0002	0.0015
1047	PS (18:2/18:3)	C42 H72 N O10 P	781.4882	9.38	Pos	0.0005	0.0071
1048	PS (19:0/19:1)	C44 H84 N O10 P	817.5813	13.398	Pos	0.0007	0.0029
1049	PS (20:1/20:1)	C46 H86 N O10 P	843.6016	13.379	Neg	0.0014	0.0076
1050	PS (20:1/22:6)	C48 H80 N O10 P	861.555	11.119	Neg	0.0003	0.0055
1051	PS (20:3/20:3)	C46 H78 N O10 P	835.5356	10.92	Pos	0.0099	0.0053
1052	PS (20:5/22:6)	C48 H72 N O10 P	853.4926	8.244	Neg	0.0001	0.0005
1053	PS(16:0/16:1(9Z))	C38 H72 N O10 P	733.4889	7.136	Pos	0.0015	0.0153
1054	PS(16:1(9Z)/18:1(9Z))	C40 H74 N O10 P	759.5076	7.886	Neg	0.0063	0.0109
1055	PS(18:0/22:5(7Z,10Z,13Z,16Z,19Z))	C46 H80 N O10 P	837.5545	8.007	Neg	0.0003	0.0012
1056	PS(18:1(9Z)/22:6(4Z,7Z,10Z,13Z,16Z,19Z))	C46 H76 N O10 P	833.5238	9.593	Neg	0.0004	0.0025
1057	PS(18:2(9Z,12Z)/18:2(9Z,12Z))	C42 H74 N O10 P	783.5033	5.103	Pos	0.0001	0.0007
1058	SM (d14:0/16:0)	C35 H73 N2 O6 P	694.5287	8.46	Neg	0.0003	0.0006
1059	SM (d14:0/18:0)	C37 H77 N2 O6 P	722.5602	9.595	Neg	0.0096	0.0081
1060	SM (d14:0/20:0)	C39 H81 N2 O6 P	750.5912	10.831	Neg	0.0049	0.0011
1061	SM (d14:0/21:1)	C40 H81 N2 O6 P	716.5735	10.172	Pos	0.0062	0.0224
1062	SM (d14:0/24:0)	C43 H89 N2 O6 P	806.6522	13.462	Neg	0.0008	0.0012
1063	SM (d14:0/26:0)	C45 H93 N2 O6 P	834.6764	14.149	Neg	0.0048	0.0007
1064	SM (d14:0/28:0)	C47 H97 N2 O6 P	862.7164	15.165	Neg	0.0008	0.0000
1065	SM (d14:1/14:0)	C33 H67 N2 O6 P	664.4813	7.001	Neg	0.0000	0.0013
1066	SM (d14:1/15:0)	C34 H69 N2 O6 P	632.489	7.648	Pos	0.0002	0.0012
1067	SM (d14:1/16:0)	C35 H71 N2 O6 P	646.5046	8.368	Pos	0.0000	0.0001
1068	SM (d14:1/17:0)	C36 H73 N2 O6 P	706.5285	8.613	Neg	0.0030	0.0063
1069	SM (d14:1/18:0)	C37 H75 N2 O6 P	674.5356	9.217	Pos	1.3321	2.5491
1070	SM (d14:1/19:0)	C38 H77 N2 O6 P	734.5601	9.732	Neg	0.0270	0.0138
1071	SM (d14:1/19:1)	C38 H75 N2 O6 P	686.5356	9.003	Pos	0.0013	0.0059
1072	SM (d14:1/20:0)	C39 H79 N2 O6 P	748.5757	10.413	Neg	0.0688	0.0475
1073	SM (d14:1/21:0)	C40 H81 N2 O6 P	762.5914	10.997	Neg	0.0066	0.0032
1074	SM (d14:1/22:0)	C41 H83 N2 O6 P	776.607	11.773	Neg	0.0259	0.0123
1075	SM (d14:1/23:0)	C42 H85 N2 O6 P	790.6227	12.411	Neg	0.0096	0.0033
1076	SM (d14:1/25:0)	C44 H89 N2 O6 P	818.6544	13.654	Neg	0.0172	0.0033
1077	SM (d14:1/26:0)	C45 H91 N2 O6 P	832.67	14.167	Neg	0.0492	0.0080
1078	SM (d14:1/27:0)	C46 H93 N2 O6 P	800.6667	13.272	Pos	0.0169	0.0003
1079	SM (d14:1/28:0)	C47 H95 N2 O6 P	860.7012	14.934	Neg	0.0133	0.0013

1080	SM (d14:1/28:1)	C47 H93 N2 O6 P	812.6762	13.955	Pos	0.2851	0.0500
1081	SM (d14:1/29:0)	C48 H97 N2 O6 P	874.7166	15.268	Neg	0.0017	0.0001
1082	SM (d14:1/30:0)	C49 H99 N2 O6 P	888.7321	15.577	Neg	0.0009	0.0000
1083	SM (d14:2/18:0)	C37 H73 N2 O6 P	672.5199	8.672	Pos	0.0031	0.0088
1084	SM (d14:2/19:0)	C38 H75 N2 O6 P	732.5444	8.951	Neg	0.0008	0.0015
1085	SM (d14:2/20:0)	C39 H77 N2 O6 P	746.5521	9.248	Neg	0.0062	0.0010
1086	SM (d14:2/21:0)	C40 H79 N2 O6 P	760.5757	10.113	Neg	0.0176	0.0396
1087	SM (d14:2/21:1)	C40 H77 N2 O6 P	712.5514	9.651	Pos	2.1210	1.7482
1088	SM (d14:2/22:0)	C41 H81 N2 O6 P	774.5914	10.512	Neg	0.0070	0.0130
1089	SM (d14:2/22:2)	C41 H77 N2 O6 P	724.5511	9.069	Pos	0.0009	0.0017
1090	SM (d14:2/23:0)	C42 H83 N2 O6 P	788.6073	11.334	Neg	0.0022	0.0031
1091	SM (d14:2/24:0)	C43 H85 N2 O6 P	802.6229	11.647	Neg	0.1364	0.0370
1092	SM (d14:2/25:0)	C44 H87 N2 O6 P	816.6388	12.265	Neg	0.0304	0.0154
1093	SM (d14:2/26:0)	C45 H89 N2 O6 P	830.6544	12.852	Neg	0.2831	0.0757
1094	SM (d14:2/27:0)	C46 H91 N2 O6 P	844.6701	13.437	Neg	0.0229	0.0051
1095	SM (d14:2/28:0)	C47 H93 N2 O6 P	858.6855	13.911	Neg	0.0834	0.0137
1096	SM (d14:2/29:0)	C48 H95 N2 O6 P	872.7022	14.334	Neg	0.0021	0.0002
1097	SM (d14:2/30:0)	C49 H97 N2 O6 P	886.7171	14.733	Neg	0.0045	0.0005
1098	SM (d14:3/18:0)	C37 H71 N2 O6 P	716.5128	8.13	Neg	0.0008	0.0008
1099	SM (d14:3/19:0)	C38 H73 N2 O6 P	730.5288	8.481	Neg	0.0020	0.0058
1100	SM (d14:3/20:0)	C39 H75 N2 O6 P	744.5444	9.211	Neg	0.0179	0.0194
1101	SM (d14:3/20:1)	C39 H73 N2 O6 P	696.52	8.54	Pos	0.0003	0.0016
1102	SM (d14:3/21:0)	C40 H77 N2 O6 P	758.5598	9.615	Neg	0.4622	0.2970
1103	SM (d14:3/21:1)	C40 H75 N2 O6 P	756.5447	8.865	Neg	0.0021	0.0022
1104	SM (d14:3/22:0)	C41 H79 N2 O6 P	772.5756	9.953	Neg	0.0289	0.0408
1105	SM (d14:3/22:2)	C41 H75 N2 O6 P	722.5445	8.502	Pos	0.0004	0.0001
1106	SM (d14:3/23:0)	C42 H81 N2 O6 P	786.5915	10.862	Neg	0.0745	0.0177
1107	SM (d14:3/23:1)	C42 H79 N2 O6 P	738.5666	9.451	Pos	0.0498	0.0011
1108	SM (d14:3/24:0)	C43 H83 N2 O6 P	800.607	11.192	Neg	0.0038	0.0050
1109	SM (d14:3/25:0)	C44 H85 N2 O6 P	814.6226	12.188	Neg	0.0076	0.0026
1110	SM (d14:3/26:0)	C45 H87 N2 O6 P	828.6388	12.858	Neg	0.0036	0.0002
1111	SM (d14:3/26:1)	C45 H85 N2 O6 P	826.6228	10.937	Neg	0.0025	0.0007
1112	SM (d14:3/26:2)	C45 H83 N2 O6 P	778.5834	6.578	Pos	0.0004	0.0019
1113	SM (d14:3/27:0)	C46 H89 N2 O6 P	842.6542	13.461	Neg	0.0207	0.0025
1114	SM (d14:3/27:1)	C46 H87 N2 O6 P	840.6383	12.112	Neg	0.0133	0.0049
1115	SM (d14:3/28:0)	C47 H91 N2 O6 P	856.67	13.137	Neg	0.0091	0.0024
1116	SM (d14:3/28:1)	C47 H89 N2 O6 P	854.6542	12.195	Neg	0.0039	0.0006
1117	SM (d14:3/29:0)	C48 H93 N2 O6 P	870.6858	14.446	Neg	0.0186	0.0019
1118	SM (d14:3/29:1)	C48 H91 N2 O6 P	868.6697	13.288	Neg	0.0850	0.0107
1119	SM (d14:3/30:0)	C49 H95 N2 O6 P	884.7002	14.889	Neg	0.0024	0.0002
1120	SM (d14:3/30:1)	C49 H93 N2 O6 P	882.6848	13.901	Neg	0.0058	0.0005
1121	SM (d14:3/30:2)	C49 H91 N2 O6 P	834.66	12.835	Pos	0.0059	0.0007
1122	SM (d14:3/31:0)	C50 H97 N2 O6 P	898.7172	15.216	Neg	0.0022	0.0001

1123	SM (d14:3/31:1)	C50 H95 N2 O6 P	896.7014	14.268	Neg	0.0074	0.0005
1124	SM (d15:1/20:2)	C40 H77 N2 O6 P	712.5519	10.921	Pos	0.0057	0.0012
1125	SM (d15:1/22:2)	C42 H81 N2 O6 P	740.5827	10.044	Pos	0.0292	0.0008
1126	SM (d15:1/29:1)	C49 H97 N2 O6 P	840.7028	14.765	Pos	0.0071	0.0016
1127	SM (d15:2/20:2)	C40 H75 N2 O6 P	710.5355	8.861	Pos	0.0057	0.0078
1128	SM (d15:2/24:1)	C44 H85 N2 O6 P	768.6134	11.298	Pos	0.0047	0.0022
1129	SM (d15:2/26:2)	C46 H87 N2 O6 P	794.629	12.143	Pos	0.0536	0.0231
1130	SM (d15:2/30:1)	C50 H97 N2 O6 P	852.7073	15.254	Pos	0.0046	0.0005
1131	SM (d15:3/20:0)	C40 H77 N2 O6 P	712.5519	10.684	Pos	0.0162	0.0026
1132	SM (d15:3/22:2)	C42 H77 N2 O6 P	736.5464	7.593	Pos	0.0016	0.0000
1133	SM (d15:3/28:2)	C48 H89 N2 O6 P	820.6446	11.231	Pos	0.0084	0.0003
1134	SM (d15:3/30:2)	C50 H93 N2 O6 P	894.6859	13.458	Neg	0.0013	0.0001
1135	SM (d15:3/34:1)	C54 H103 N2 O6 P	906.7417	15.993	Pos	0.0087	0.0020
1136	SM (d16:0/16:0)	C37 H77 N2 O6 P	676.5516	9.638	Pos	0.0431	0.0397
1137	SM (d16:0/21:0)	C42 H87 N2 O6 P	746.62	12.437	Pos	0.0025	0.0007
1138	SM (d16:1/12:0)	C33 H67 N2 O6 P	618.4734	7.039	Pos	0.0001	0.0042
1139	SM (d16:1/22:1)	C43 H85 N2 O6 P	367.316	16.588	Pos	0.0004	0.0001
1140	SM (d16:2/24:2)	C45 H85 N2 O6 P	780.6142	11.091	Pos	0.1110	0.0042
1141	SM (d16:2/26:2)	C47 H89 N2 O6 P	808.6451	12.886	Pos	0.0824	0.0104
1142	SM (d16:3/24:2)	C45 H83 N2 O6 P	778.5963	11.674	Pos	0.0026	0.0006
1143	SM (d16:3/27:1)	C48 H91 N2 O6 P	822.6604	13.324	Pos	0.2324	0.0372
1144	SM (d17:1/16:1)	C38 H75 N2 O6 P	686.5358	9.274	Pos	0.0038	0.0012
1145	SM (d17:1/26:0)	C48 H97 N2 O6 P	828.7076	15.3	Pos	0.0039	0.0002
1146	SM (d17:2/24:1)	C46 H89 N2 O6 P	796.6451	13.499	Pos	0.0530	0.0079
1147	SM (d17:3/24:2)	C46 H85 N2 O6 P	792.6128	10.08	Pos	0.0042	0.0004
1148	SM (d18:0/12:0)	C35 H73 N2 O6 P	648.5201	8.494	Pos	0.0005	0.0023
1149	SM (d18:0/22:2)	C45 H89 N2 O6 P	784.6455	12.895	Pos	0.9046	0.3048
1150	SM (d18:2/15:1)	C38 H73 N2 O6 P	684.52	8.515	Pos	0.0052	0.0264
1151	SM (d18:2/16:1)	C39 H75 N2 O6 P	698.5348	8.898	Pos	0.0008	0.0021
1152	SM (d19:0/18:2)	C42 H83 N2 O6 P	742.5985	11.412	Pos	0.0094	0.0111
1153	SM (d19:1/12:0)	C36 H73 N2 O6 P	660.5201	8.663	Pos	0.0169	0.0528
1154	SM (d19:1/15:1)	C39 H77 N2 O6 P	700.5515	9.8	Pos	0.0322	0.0295
1155	SM (d19:1/18:1)	C42 H83 N2 O6 P	742.5913	8.404	Pos	0.0008	0.0001
1156	SM (d19:1/22:1)	C46 H91 N2 O6 P	798.6591	12.387	Pos	0.0027	0.0003
1157	SM (d19:3/42:2)	C66 H125 N2 O6 P	1072.913	17.717	Pos	0.0157	0.0002
1158	SM (d20:1/14:0)	C39 H79 N2 O6 P	702.5603	8.449	Pos	0.0013	0.0002
1159	SM (d20:1/16:2)	C41 H79 N2 O6 P	726.5643	8.048	Pos	0.0022	0.0026
1160	SM (d20:1/23:1)	C48 H95 N2 O6 P	826.6946	12.419	Pos	0.0121	0.0020
1161	SM (d20:1/24:2)	C49 H95 N2 O6 P	838.6871	15.561	Pos	0.0031	0.0006
1162	SM (d20:2/14:1)	C39 H75 N2 O6 P	698.5355	9.239	Pos	0.0516	0.0761
1163	SM (d20:2/18:0)	C43 H85 N2 O6 P	756.6141	11.669	Pos	0.5624	0.1997

1164	SM (d20:3/18:2)	C43 H79 N2 O6 P	750.556	8.423	Pos	0.0002	0.0003
1165	SM (d20:3/20:0)	C45 H87 N2 O6 P	782.6295	13.134	Pos	0.0322	0.0647
1166	SM (d21:0/13:0)	C39 H81 N2 O6 P	704.5827	10.872	Pos	0.0286	0.0046
1167	SM (d21:0/42:0)	C68 H139 N2 O6 P	1111.023	18.94	Pos	0.0040	0.0000
1168	SM (d21:1/12:0)	C38 H77 N2 O6 P	688.5513	9.789	Pos	0.1362	0.0751
1169	SM (d21:1/13:1)	C39 H77 N2 O6 P	700.5513	9.448	Pos	0.0310	0.1304
1170	SM (d21:1/16:0)	C42 H85 N2 O6 P	744.6165	16.491	Pos	0.0020	0.0000
1171	SM (d21:2/13:1)	C39 H75 N2 O6 P	349.2684	6.053	Pos	0.0012	0.0004
1172	SM (d21:3/13:0)	C39 H75 N2 O6 P	698.5361	6.119	Pos	0.0000	0.0003
1173	SM (d21:3/20:0)	C46 H89 N2 O6 P	796.6452	12.654	Pos	0.0074	0.0055
1174	SM (d21:3/22:1)	C48 H91 N2 O6 P	822.6608	12.764	Pos	0.0013	0.0002
1175	SM (d22:1/12:0)	C39 H79 N2 O6 P	702.567	10.452	Pos	0.2870	0.1480
1176	SM (d22:1/19:1)	C46 H91 N2 O6 P	798.6476	15.43	Pos	0.0017	0.0002
1177	SM (d22:3/14:0)	C41 H79 N2 O6 P	726.5669	10.234	Pos	0.0692	0.0213
1178	SM (d22:3/15:0)	C42 H81 N2 O6 P	740.5827	10.893	Pos	0.4026	0.0915
1179	SM (d23:1/19:1)	C47 H93 N2 O6 P	812.6933	14.27	Pos	0.0102	0.0001
1180	SM (d23:2/12:0)	C40 H79 N2 O6 P	714.5671	10.173	Pos	0.0893	0.2012
1181	SM (d23:3/13:0)	C41 H79 N2 O6 P	726.5657	9.486	Pos	0.0020	0.0015
1182	SM (d24:0/12:0)	C41 H85 N2 O6 P	732.6132	12.189	Pos	0.0060	0.0014
1183	SM (d24:0/12:1)	C41 H83 N2 O6 P	730.5985	11.804	Pos	0.0927	0.0560
1184	SM (d24:0/14:0)	C43 H89 N2 O6 P	760.6361	13.107	Pos	0.0189	0.0061
1185	SM (d24:0/15:1)	C44 H89 N2 O6 P	772.6459	14.813	Pos	0.0007	0.0008
1186	SM (d24:1/20:2)	C49 H95 N2 O6 P	838.683	12.637	Pos	0.0058	0.0002
1187	SM (d24:2/12:0)	C41 H81 N2 O6 P	728.5828	10.557	Pos	0.0274	0.0524
1188	SM (d24:2/18:1)	C47 H91 N2 O6 P	810.6603	13.118	Pos	0.0495	0.0105
1189	SM (d24:3/12:0)	C41 H79 N2 O6 P	726.567	9.986	Pos	0.1039	0.1599
1190	SM (d24:3/14:0)	C43 H83 N2 O6 P	754.5982	10.721	Pos	0.0327	0.0120
1191	SM (d24:3/20:0)	C49 H95 N2 O6 P	838.6916	14.871	Pos	0.0066	0.0025
1192	SM (d25:0/12:1)	C42 H85 N2 O6 P	744.6142	12.46	Pos	0.0452	0.0141
1193	SM (d25:0/14:0)	C44 H91 N2 O6 P	774.6482	13.657	Pos	0.0008	0.0000
1194	SM (d25:3/14:1)	C44 H83 N2 O6 P	766.5982	10.521	Pos	0.0117	0.0001
1195	SM (d25:3/20:2)	C50 H93 N2 O6 P	848.6765	12.424	Pos	0.0111	0.0002
1196	SM (d25:3/42:2)	C72 H137 N2 O6 P	1157.008	18.508	Pos	0.0006	0.0000
1197	SM (d26:0/18:1)	C49 H99 N2 O6 P	842.7226	15.61	Pos	0.0040	0.0002
1198	SM (d26:1/12:0)	C43 H87 N2 O6 P	758.6204	11.675	Pos	0.0406	0.0150
1199	SM (d26:3/12:0)	C43 H83 N2 O6 P	754.5983	11.241	Pos	0.0151	0.0213
1200	SM (d26:3/14:1)	C45 H85 N2 O6 P	780.6142	13.419	Pos	0.0075	0.0002
1201	SM (d26:3/16:1)	C47 H89 N2 O6 P	808.6448	11.44	Pos	0.0143	0.0003
1202	SM (d26:3/16:2)	C47 H87 N2 O6 P	806.6309	12.243	Pos	0.0037	0.0003
1203	SM (d27:0/12:1)	C44 H89 N2 O6 P	772.6455	13.694	Pos	0.0534	0.0151
1204	SM (d27:1/12:1)	C44 H87 N2 O6 P	770.6297	12.294	Pos	0.1817	0.0846

1205	SM (d27:3/18:0)	C50 H97 N2 O6 P	852.7074	15.85	Pos	0.0029	0.0002
1206	SM (d28:0/12:0)	C45 H93 N2 O6 P	788.6672	14.192	Pos	0.0103	0.0023
1207	SM (d28:1/12:0)	C45 H91 N2 O6 P	786.6611	14.201	Pos	0.1335	0.0292
1208	SM (d28:2/15:1)	C48 H93 N2 O6 P	824.6765	13.746	Pos	0.0072	0.0056
1209	SM (d28:3/12:0)	C45 H87 N2 O6 P	782.6296	11.887	Pos	0.0670	0.0197
1210	SM (d28:3/14:0)	C47 H91 N2 O6 P	810.6608	14.071	Pos	0.0419	0.0376
1211	SM (d28:3/38:2)	C71 H135 N2 O6 P	1143	18.556	Pos	0.0006	0.0000
1212	SM (d29:0/13:1)	C47 H95 N2 O6 P	814.692	14.268	Pos	0.0085	0.0001
1213	SM (d29:1/12:0)	C46 H93 N2 O6 P	800.6766	14.596	Pos	0.0243	0.0041
1214	SM (d29:1/13:0)	C47 H95 N2 O6 P	814.6921	14.97	Pos	0.0299	0.0054
1215	SM (d29:1/18:0)	C52 H105 N2 O6 P	884.7643	16.324	Pos	0.0001	0.0000
1216	SM (d29:3/24:1)	C58 H111 N2 O6 P	962.8036	16.792	Pos	0.0856	0.0233
1217	SM (d29:3/36:1)	C70 H135 N2 O6 P	1130.994	18.464	Pos	0.0009	0.0000
1218	SM (d30:0/12:0)	C47 H97 N2 O6 P	816.6989	14.98	Pos	0.0034	0.0004
1219	SM (d30:0/13:1)	C48 H97 N2 O6 P	828.6988	14.253	Pos	0.0114	0.0001
1220	SM (d30:3/13:0)	C48 H93 N2 O6 P	824.6763	14.478	Pos	0.0389	0.0071
1221	SM (d30:3/15:1)	C50 H95 N2 O6 P	850.692	14.301	Pos	0.0227	0.0026
1222	SM(d18:0/20:2(11Z,14Z))	C43 H83 N2 O6 P	754.6016	13.573	Neg	0.0018	0.0001
1223	SM(d18:0/22:3(10Z,13Z,16Z))	C45 H85 N2 O6 P	780.6171	11.072	Neg	0.1599	0.0045

Table S2 Regression equations and contents of phospholipid classes

Class^a	Standard	Linear regression equation	R²	Measurement wavelength (nm)	Content (%)
SV-PC	PC	$Y = 0.0143 X + 0.0134$	0.9981	470	85.3
SV-PE	PE	$Y = 0.0034 X + 0.0133$	0.9978	440	81.1
SV-SM	SM	$Y = 0.004 X + 0.0325$	0.9986	464	73.6
SG-PC	PC	$Y = 0.0143 X + 0.0134$	0.9981	470	82.7
SG-PE	PE	$Y = 0.0034 X + 0.0133$	0.9978	440	78.4
SG-SM	SM	$Y = 0.004 X + 0.0325$	0.9986	464	80.2

^a SV-PC, squid viscera PC; SV-PE, squid viscera PE; SV-SM, squid viscera SM; SG-PC, squid gonad PC; SG-PE, squid gonad PE; SG-SM, squid gonad SM.