Table 37

Lipid Composition in *Mytilus trossulus* (%).

Investigator: Dr. Seiichi Uno

	TG	FFA	ST	PL	Phospholipid Components				
Site					**PE**	**Unknown**	**CAEP+PS+LPE**	**PC**	**LPC**
I1	15.29	33.76	3.84	45.97	30.70	0.00	53.23	11.92	4.15
I2	11.90	33.87	3.93	48.13	27.31	3.20	47.11	17.63	4.76
I3A	14.10	24.28	6.48	53.17	36.91	0.74	28.06	25.38	8.91
I4	9.73	38.80	7.40	42.77	30.53	0.00	49.74	16.27	3.46
I5B	10.93	28.30	5.73	55.10	29.72	0.00	41.20	22.10	6.98
I6	17.80	33.00	6.08	42.70	36.33	0.00	41.58	18.10	3.98
I7	23.39	36.53	5.17	35.50	28.53	1.37	55.22	11.09	3.78

TG = triglyceride
FFA = free fatty acid
ST = sterol
PL = phospholipid
PE= phosphatidylethanolamine
CAEP = Ceramide 2-aminoethylphosphonate
PS = phosphatidylserine
LPE = Lysophosphatidylethanolamine
PC= Phosphatidylcholine
LPC = Lysophosphatidylcholine

Tissue from approximately 15 mussels were combinded and analyzed for each site.

Table 38
Fatty acids in *Mytilus trossulus* (%).
Investigator: Dr. Seiichi Uno

Fatty Acid	Total lipid	Nonpolar lipid	Phospholipid	Site
14:0	3.59	3.69	2.88	I1
16:0	18.87	19.32	15.55	I1
16:1n-7	5.04	4.22	11.23	I1
16:2n-7	1.91	2.17	1.61	I1
17:0	1.89	1.93		I1
18:0	2.84	2.85	2.80	I1
18:1n-9	3.07	3.21	1.96	I1
18:1n-7	5.87	6.15	3.74	I1
18:2n-6	2.21	2.33	1.31	I1
18:3n-3	2.99	3.29		I1
18:4n-3	7.11	7.66	2.97	I1
20:1n-11	0.77	0.65	1.68	I1
20:1n-9	1.46	1.24	3.10	I1
20:1n-7	4.16	4.42	2.23	I1
20:2A	3.41	3.50	2.73	I1
20:2B	1.14	1.13	1.16	I1
20:2n-6	1.17	1.22	0.81	I1
20:4n-6	2.00	2.07	1.52	I1
20:5n-3	8.81	7.23	20.66	I1
22:1n-11	3.34	3.16	4.69	I1
22:5n-3	1.64	1.71	1.13	I1
22:6n-3	8.12	7.64	11.71	I1
14:0	2.40	2.38	2.47	I2
16:0	15.97	15.37	17.54	I2
16:1n-7	8.51	8.26	9.18	I2
16:2n-7	1.02	1.41	1.57	I2
17:0	1.50	1.47		I2
18:0	2.83	2.73	3.10	I2
18:1n-9	2.25	2.89	0.58	I2
18:1n-7	4.33	4.74	3.26	I2
18:2n-6	1.44	1.61	1.00	I2
18:3n-3	1.85	2.06		I2
18:4n-3	4.30	4.96	2.56	I2
20:1n-11	1.01	0.87	1.36	I2
20:1n-9	4.22	4.67	3.04	I2
20:1n-7	3.03	3.31	2.32	I2
20:2A	1.74	1.28	2.93	I2
20:2B	0.71	0.66	0.86	I2
20:2n-6	0.96	1.05	0.73	I2
20:4n-6	1.87	1.95	1.64	I2

Table 38
Fatty acids in *Mytilus trossulus* (%).
Investigator: Dr. Seiichi Uno

Fatty Acid	Total lipid	Nonpolar lipid	Phospholipid	Site
20:5n-3	15.32	13.00	21.40	I2
22:1n-11	3.57	3.10	4.80	I2
22:5n-3	1.45	1.55	1.19	I2
22:6n-3	14.53	14.93	13.48	I2
14:0	1.86	2.02	1.58	I3A
16:0	15.94	16.46	15.02	I3A
16:1n-7	8.43	9.60	6.36	I3A
16:2n-7	0.77	1.21	1.58	I3A
17:0	1.53	1.50		I3A
18:0	3.07	3.04	3.13	I3A
18:1n-9	2.61	3.24	1.50	I3A
18:1n-7	4.81	5.78	3.11	I3A
18:2n-6	1.62	1.94	1.05	I3A
18:3n-3	1.29	2.02		I3A
18:4n-3	3.67	4.68	1.88	I3A
20:1n-11	1.52	1.64	1.31	I3A
20:1n-9	5.17	6.05	3.61	I3A
20:1n-7	2.64	2.79	2.36	I3A
20:2A	3.21	2.35	4.73	I3A
20:2B	1.18	0.93	1.63	I3A
20:2n-6	0.91	1.01	0.73	I3A
20:4n-6	3.37	3.82	2.59	I3A
20:5n-3	11.01	5.39	20.95	I3A
22:1n-11	5.07	4.65	5.80	I3A
22:5n-3	1.86	2.13	1.38	I3A
22:6n-3	11.85	10.21	14.76	I3A
14:0	3.03	3.21	2.78	I4
16:0	15.48	15.30	15.73	I4
16:1n-7	6.53	4.40	9.44	I4
16:2n-7	0.78	1.35	1.52	I4
17:0	1.43	1.36		I4
18:0	2.65	2.52	2.81	I4
18:1n-9	2.34	2.76	1.77	I4
18:1n-7	4.59	5.31	3.60	I4
18:2n-6	2.11	2.49	1.59	I4
18:3n-3	2.53	3.14		I4
18:4n-3	5.06	6.60	2.98	I4
20:1n-11	1.09	0.91	1.32	I4
20:1n-9	3.34	3.37	3.31	I4
20:1n-7	3.08	3.46	2.57	I4

Table 38
Fatty acids in *Mytilus trossulus* (%).
Investigator: Dr. Seiichi Uno

Fatty Acid	Total lipid	Nonpolar lipid	Phospholipid	Site
20:2A	1.94	1.15	3.00	I4
20:2B	1.04	0.89	1.25	I4
20:2n-6	1.09	1.25	0.87	I4
20:4n-6	1.96	2.08	1.80	I4
20:5n-3	17.59	16.92	18.50	I4
22:1n-11	4.10	3.31	5.18	I4
22:5n-3	1.53	1.71	1.28	I4
22:6n-3	11.35	10.21	12.89	I4
14:0	3.39	3.55	3.12	I5B
16:0	15.71	16.04	15.14	I5B
16:1n-7	6.51	3.71	11.29	I5B
16:2n-7	0.96	1.52	1.15	I5B
17:0	1.26	1.32		I5B
18:0	2.51	2.40	2.70	I5B
18:1n-9	2.96	3.52	2.00	I5B
18:1n-7	4.84	5.42	3.85	I5B
18:2n-6	2.61	3.13	1.73	I5B
18:3n-3	3.38	3.43		I5B
18:4n-3	4.80	7.60	3.31	I5B
20:1n-11	1.11	0.90	1.47	I5B
20:1n-9	3.48	3.83	2.89	I5B
20:1n-7	2.98	3.38	2.29	I5B
20:2A	1.87	1.15	3.11	I5B
20:2B	0.73	0.72	0.76	I5B
20:2n-6	1.32	1.36	1.24	I5B
20:4n-6	1.66	1.82	1.38	I5B
20:5n-3	16.83	15.07	19.83	I5B
22:1n-11	3.60	3.08	4.48	I5B
22:5n-3	1.61	1.64	1.56	I5B
22:6n-3	9.32	8.22	11.19	I5B
14:0	2.86	2.84	2.95	I6
16:0	15.91	15.83	16.21	I6
16:1n-7	6.66	5.67	10.25	I6
16:2n-7	0.98	1.25	1.47	I6
17:0	1.49	1.50		I6
18:0	2.67	2.66	2.71	I6
18:1n-9	2.74	2.96	1.93	I6
18:1n-7	5.07	5.44	3.71	I6
18:2n-6	2.40	2.56	1.80	I6
18:3n-3	2.24	2.85		I6

Table 38
Fatty acids in *Mytilus trossulus* (%).
Investigator: Dr. Seiichi Uno

Fatty Acid	Total lipid	Nonpolar lipid	Phospholipid	Site
18:4n-3	5.28	6.07	2.42	I6
20:1n-11	1.15	0.90	2.08	I6
20:1n-9	4.31	4.67	3.01	I6
20:1n-7	3.49	3.78	2.42	I6
20:2A	1.65	1.05	3.85	I6
20:2B	0.87	0.83	0.99	I6
20:2n-6	1.21	1.27	1.01	I6
20:4n-6	2.42	2.61	1.75	I6
20:5n-3	14.47	13.59	17.71	I6
22:1n-11	4.14	3.71	5.70	I6
22:5n-3	1.78	1.91	1.31	I6
22:6n-3	9.43	8.91	11.35	I6
14:0	5.40	5.68	4.39	I7
16:0	14.95	15.34	13.54	I7
16:1n-7	10.64	9.16	16.03	I7
16:2n-7	1.51	1.93	1.37	I7
17:0	1.59	1.65		I7
18:0	2.18	2.16	2.26	I7
18:1n-9	2.61	2.92	1.50	I7
18:1n-7	6.15	6.90	3.44	I7
18:2n-6	2.00	2.23	1.19	I7
18:3n-3	1.62	1.56		I7
18:4n-3	1.42	1.81	1.84	I7
20:1n-11	0.88	0.72	1.46	I7
20:1n-9	3.29	3.57	2.27	I7
20:1n-7	2.87	3.17	1.76	I7
20:2A	1.46	0.77	3.95	I7
20:2B	0.88	0.69	1.55	I7
20:2n-6	0.71	0.77	0.52	I7
20:4n-6	2.54	2.65	2.11	I7
20:5n-3	18.81	18.63	19.47	I7
22:1n-11	4.20	3.60	6.37	I7
22:5n-3	1.19	1.24	1.01	I7
22:6n-3	6.44	5.66	9.27	I7

* = the position of the double bond was not identified

Tissue from approximately 15 mussels was combined and analyzed for each site.