

Supporting Information. **Table S1.**

Abbreviations: SE/WE = Steryl/Wax Esters. TAG = Triacylglycerols. FFA = Free Fatty Acids

ST/Alc = Sterols/ Fatty Alcohols

	Zooplankton Taxa	Total Lipid (% of WWT)			% Lipid Class Composition (Iatroscan)				
		SPV	Grav	TLC_FID	SE/WE	TAG	FFA	ST/Alc	Polar
C1	<i>N. flemingeri/plumchrus</i>	13.7	12.2	13.6	93.8	2.2	2.6	0.3	1.1
C2	<i>N. flemingeri/plumchrus</i>	9.9	11.0	12.3	93.8	1.1	1.7	0.4	3.1
C3	<i>N. flemingeri/plumchrus</i>	18.2	19.3	21.7	93.1	3.2	1.4	0.1	2.2
C4	<i>N. flemingeri/plumchrus</i>	30.4	32.4	36.3	86.7	7.1	2.3	0.3	3.6
C5	<i>N. flemingeri/plumchrus</i>	19.4	18.5	20.7	92.9	2.5	1.6	0.2	2.7
C6	<i>N. flemingeri/plumchrus</i>	23.7	24.3	27.3	85.0	9.2	2.3	0.6	3.0
C7	<i>N. cristatus</i>	7.3	6.9	7.8	86.1	4.3	4.5	0.8	4.3
C8	<i>N. cristatus</i>	2.9	2.2	2.5	87.6	3.3	3.9	0.3	4.9
C9	<i>N. flemingeri/plumchrus</i>	20.3	19.1	21.3	94.5	3.2	0.8	0.0	1.5
E1	Mixed Euphausiid	4.2	4.3	3.9	38.9	6.1	16.7	2.2	36.0
E2	Mixed Euphausiid	15.1	12.8	11.8	40.2	11.9	2.1	0.7	45.1
E3	Mixed Euphausiid	11.0	9.3	8.5	38.0	13.3	0.4	1.0	47.2
E4	Mixed Euphausiid	5.5	4.7	4.2	39.2	12.0	5.8	1.4	41.6
E5	Euphausiid	5.5	5.8	5.2	10.0	39.9	5.4	1.9	42.8
E6	Euphausiid	2.9	2.8	2.5	4.0	49.1	2.4	0.8	43.8
E7	<i>T. inermis</i>	7.4	8.3	7.6	42.1	6.7	9.7	1.3	40.2
E8	<i>T. raschi</i>	2.0	2.5	2.3	3.4	28.4	17.6	2.3	48.2
E9	<i>T. raschi</i>	5.3	5.0	4.6	16.0	26.4	10.6	1.6	45.4
E10	<i>E. pacifica</i>	5.3	5.6	4.0	X	41.3	2.8	3.3	52.6

E11	<i>E. pacifica</i>	4.6	5.3	5.5	X	48.4	5.7	4.1	41.8
E12	<i>E. pacifica</i>	5.7	6.5	4.6	X	43.5	4.5	3.8	48.1
E13	<i>E. pacifica</i>	4.0	4.5	3.9	X	45.9	3.7	4.4	46.0
E14	<i>E. pacifica</i>	6.3	7.5	6.2	X	45.0	4.9	3.3	46.8
E15	<i>E. pacifica</i>	7.3	8.3	5.8	X	44.9	5.1	3.2	46.9
E16	<i>E. pacifica</i>	6.8	7.3	5.9	X	45.6	7.1	3.5	43.8
E17	<i>E. pacifica</i>	4.7	5.0	4.0	X	42.2	7.1	4.5	46.2
E18	<i>E. pacifica</i>	4.6	5.6	4.1	X	45.7	4.9	4.2	45.2
E19	<i>E. pacifica</i>	6.1	6.4	5.5	X	49.9	4.5	4.7	40.9
C10	<i>N. flemingeri/plumchrus</i>	47.6	52.32	45.9	91.0	4.1	2.0	0.2	2.6
C11	<i>C. marshallae/glacialis</i>	11.3	10.59	7.1	88.6	5.4	0.0	0.9	5.1
C12	<i>N. cristatus</i>	7.80	8.02	6.1	90.6	2.8	3.0	0.4	3.2
C13	<i>C. marshallae/glacialis</i>	9.60	9.36	7.7	74.6	3.0	0.0	1.2	21.2
C14	<i>N. flemingeri/plumchrus</i>	11.8	12.29	9.6	90.2	1.7	1.6	0.3	6.2
C15	<i>C. marshallae/glacialis</i>	10.47	9.53	10.2	90.0	4.0	0.0	0.1	5.9
C16	<i>C. marshallae/glacialis</i>	14.94	14.27	10.1	77.1	3.5	0.2	1.4	17.8
C17	<i>C. marshallae/glacialis</i>	10.09	8.82	10.9	55.0	0.6	0.0	2.3	42.1
C18	<i>N. flemingeri/plumchrus</i>	41.86	43.47	44.3	88.8	5.0	1.3	0.2	4.6

C19	<i>N. cristatus</i>	7.26	7.48	6.7	86.8	4.9	4.9	0.4	3.0
E20	<i>Mixed Euphausiids</i>	4.46	3.25	2.5	9.5	13.1	25.2	4.3	47.9
E21	<i>Mixed Euphausiids</i>	6.28	4.94	3.6	18.7	16.5	22.4	2.6	39.8
E22	<i>T. raschi</i>	10.35	9.57	8.5	4.3	52.0	6.8	1.6	35.3
E23	<i>T. inermis</i>	8.72	6.63	6.1	31.8	9.6	13.8	2.3	42.4
E24	<i>T. inermis</i>	11.83	8.52	6.6	37.2	10.2	10.3	1.9	40.2
E25	<i>T. inermis</i>	10.96	7.83	6.1	36.6	9.5	11.4	1.8	40.7
E26	<i>T. raschi</i>	5.79	5.73	5.0	4.8	39.5	14.6	2.6	38.5
E27	<i>T. raschi</i>	6.28	5.99	5.5	7.5	37.8	14.3	2.1	38.2
E28	<i>T. raschi</i>	4.19	4.25	2.8	3.6	25.7	22.2	2.8	45.8
E29	<i>T. raschi</i>	6.16	6.04	4.1	8.1	25.0	16.5	2.6	47.8