Supplementary Material

Table S1: Table showing the details of net deployments on cruises from which abundances were determined: JR177 (2008) and JR200 (2009). D and N refer to daytime and night-time nets respectively (before and after apparent sunset).

Cruise	Station	Lat	Long	D/N	Date	Start time (GMT)	End time (GMT)	Haul duration (hrs)
JR177 (2008)	R1	-60.48	-48.24	D	04/01/2008	18:42	21:29	2.8
JR177 (2008)	R1	-60.48	-48.24	N	05/01/2008	00:14	02:31	2.3
JR177 (2008)	C3	-59.68	-44.07	D	14/01/2008	17:02	19:28	2.4
JR177 (2008)	C3	-59.68	-44.07	N	15/01/2008	00:08	02:30	2.4
JR177 (2008)	P2	-55.24	-41.29	D	27/01/2008	12:08	14:21	2.2
JR177 (2008)	P2	-55.24	-41.29	N	29/01/2008	00:38	02:53	2.3
JR177 (2008)	P3	-52.86	-40.1	D	01/02/2008	18:39	21:28	2.8
JR177 (2008)	P3	-52.86	-40.1	N	01/02/2008	00:13	02:32	2.3
JR200 (2009)	R1	-60.49	-48.2	D	16/03/2009	17:52	20:34	2.7
JR200 (2009)	R1	-60.49	-48.2	N	14/03/2009	22:32	01:24	2.9
JR200 (2009)	C3	-59.69	-44.08	D	21/03/2009	17:44	20:34	2.8
JR200 (2009)	C3	-59.69	-44.08	N	22/03/2009	00:25	03:25	3
JR200 (2009)	P2	-55.27	-41.35	D	31/03/2009	13:03	15:43	2.7
JR200 (2009)	P2	-55.27	-41.35	N	31/03/2009	00:50	03:49	3
JR200 (2009)	P3	-52.83	-40.05	D	02/04/2009	17:06	19:38	2.5
JR200 (2009)	P3	-52.83	-40.05	N	03/04/2009	23:21	02:10	2.8

Table S2: Table showing the details of net deployments from which experimental animals were caught on JR304 (2014) and JR15002 (2015), the depths that animals were obtained from, and the start times of experiments.

Cruise	Exp. #	Net type	Net date	Net time (GMT)	Depth obtained (m)	Exp. start date	Exp. start time (GMT)
JR304 (2014)	INC3	Mocness	29/11/14	04:36	125-500	29/11/14	10:00
JR304 (2014)	INC4	RMT8	08/12/14	21:12	15-200	08/12/14	23:40
JR304 (2014)	INC5	RMT8	10/12/14	20:13	20-200	10/12/14	23:00
JR304 (2014)	INC6	RMT8	12/12/14	02:00	15-200	12/12/14	04:00
JR304 (2014)	INC7	Mocness	13/12/14	16:25	250-375	13/12/14	20:00
JR304 (2014)	INC8	Mocness	13/12/14	23:46	125-375	14/12/14	05:25
JR15002 (2015)	EXP1	RMT8	03/12/15	21:11	10-200	04/12/15	01:15
JR15002 (2015)	EXP2	RMT8	07/12/15	16:30	10-200	07/12/15	20:15

Table S3: Regression coefficients for *Euphausia triacantha* log wet, dry, carbon and nitrogen weight (WW, DW, C and N, mg) against log length (mm). n = 159 for WW and DW; n = 90 for C and N.

	logY = a + b*logX		
Log weight (mg)	**A**	**B**	**R^2**
WW	-2.062 ***	2.943 ***	0.963
DW	-3.066 ***	3.172 ***	0.949
C	-3.332 ***	3.100 ***	0.820
N	-3.697 ***	2.907 ***	0.832

*** $P < 0.001$

Table S4: Regression statistics for C and N content of *Euphausia triacantha* as a function of WW and DW, and the %C, %N and C:N ratio as a function of DW (mg).

		logY = a + b*logX		
Log weight (mg)	**Log elemental weight (mg)**	**a**	**B**	**R^2**
WW	**C**	-1.273***	1.104***	0.901
WW	**N**	-1.767***	1.036***	0.915
DW	**C**	-0.442***	1.042***	0.992
DW	**N**	-0.976***	0.970***	0.992

		Y = a + b*logX		
Log weight (mg)	**Elemental composition**	**a**	**B**	**R^2**
DW	**C (%DW)**	35.783***	4.080***	0.166
DW	**N (%DW)**	10.502***	-0.646**	0.097
DW	**C:N**	3.296***	0.736***	0.224

*** P < 0.001; ** P < 0.01