



<b>Egg Total lipid content (ng egg<sup>-1</sup>)</b>		
	Control	Elevated CO <sub>2</sub>
Rep 1	6.11	3.90
Rep 2	4.20	7.24
Rep 3	8.76	7.80
Mean	6.36	6.32
Variance	5.24	4.25
S.E.	1.32	1.22
<b>Rep = replicate</b>		
<b>Elevated CO<sub>2</sub> = 856 μatm</b>		

<b>Shell length day 15 (<math>\mu\text{m}</math>)</b>														
	Ambient Parents							Elevated Parents						
	Control	CO2	CO2 + T	CO2 + S	CO2 + F	CO2 + T + S	CO2 + T + S + F	Control	CO2	CO2 + T	CO2 + S	CO2 + F	CO2 + T + S	CO2 + T + S + F
Rep 1	142	126.5	176.5	124	119	154	140	145.25	137	Dead	137.75	126.875	154.5	Dead
Rep 2	136.25	123.5	171.5	128.5	117.75	149.2857	137.8571	149.5	137	Dead	136.25	130.833	170	Dead
Rep 3	136.25	127.75	181.5	130.5	118	155.25	139.22222	156.5	146	Dead	142.25	118	162.5	Dead
Mean	138.167	125.917	176.5	127.667	118.25	152.84523	139.02644	150.417	140	Dead	138.75	125.236	162.33333	Dead
Variance	11.0208	4.77083	25	11.0833	0.4375	9.8933332	1.1767529	32.2708	27	Dead	9.75	43.1862	60.083333	Dead
Standard Error	1.91667	1.26106	2.88675	1.92209	0.38188	1.8159784	0.6262994	3.27978	3	Dead	1.80278	3.79413	4.4752405	Dead
<b>Rep = replicate</b>														
<b>CO<sub>2</sub> = 856 <math>\mu\text{atm}</math></b>														
<b>T = temperature +4 °C (28 °C)</b>														
<b>S = Salinity 25</b>														
<b>F = half food diet</b>														

**Standard metabolic rate Day 15 (ng O<sub>2</sub> larvae<sup>-1</sup> h<sup>-1</sup>)**

	Ambient Parents							Elevated Parents						
	Control	CO <sub>2</sub>	CO <sub>2</sub> + T	CO <sub>2</sub> + S	CO <sub>2</sub> + F	CO <sub>2</sub> + T + S	CO <sub>2</sub> + T + S + F	Control	CO <sub>2</sub>	CO <sub>2</sub> + T	CO <sub>2</sub> + S	CO <sub>2</sub> + F	CO <sub>2</sub> + T + S	CO <sub>2</sub> + T + S + F
Rep 1	0.84	1.48	1.53	0.73	0.19	1.20	0.62	2.08	2.39	Dead	1.04	0.72	1.01	Dead
Rep 2	0.90	1.62	1.72	0.76	0.12	1.44	0.63	1.57	2.10	Dead	1.61	0.62	1.64	Dead
Rep 3	0.82	1.71	1.41	0.76	0.36	1.32	0.66	1.61	2.01	Dead	1.27	0.80	1.55	Dead
Mean	0.85	1.60	1.55	0.75	0.22	1.32	0.64	1.75	2.17	Dead	1.31	0.71	1.40	Dead
Variance	0.00	0.01	0.02	0.00	0.02	0.01	0.00	0.08	0.04	Dead	0.08	0.01	0.11	Dead
Standard Error	0.02	0.07	0.09	0.01	0.07	0.07	0.01	0.16	0.12	Dead	0.16	0.05	0.20	Dead

**Rep = replicate**

**CO<sub>2</sub> = 856 μatm**

**T = temperature +4 °C (28 °C)**

**S = Salinity 25**

**F = half food diet**

<b>Percentage survival day 15</b>														
	Ambient Parents							Elevated Parents						
	Control	CO2	CO2 + T	CO2 + S	CO2 + F	CO2 + T + S	CO2 + T + S + F	Control	CO2	CO2 + T	CO2 + S	CO2 + F	CO2 + T + S	CO2 + T + S + F
Rep 1	58.99	38.50	0.00	41.61	33.00	26.14	27.20	60.33	46.04	0.00	38.13	5.85	12.64	0.00
Rep 2	64.04	33.98	7.58	60.91	30.15	17.89	4.73	58.46	42.95	0.00	36.89	24.29	4.57	0.00
Rep 3	61.45	51.64	2.26	44.47	22.71	6.72	0.00	63.80	38.33	0.00	53.85	7.33	1.76	0.00
Mean	58.99	38.50	0.00	41.61	33.00	26.14	27.20	60.33	46.04	0.00	38.13	5.85	12.64	0.00
Variance	6.39	84.18	15.15	108.55	28.20	94.97	211.20	7.35	15.04	0.00	89.32	105.04	31.90	0.00
Standard Error	1.46	5.30	2.25	6.02	3.07	5.63	8.39	1.57	2.24	0.00	5.46	5.92	3.26	0.00
<b>Rep = replicate</b>														
<b>CO<sub>2</sub> = 856 µatm</b>														
<b>T = temperature +4 °C (28 °C)</b>														
<b>S = Salinity 25</b>														
<b>F = half food diet</b>														

<b>Percentage of larvae at the umbonate stage at day 9</b>														
	Ambient Parents							Elevated Parents						
	Control	CO2	CO2 + T	CO2 + S	CO2 + F	CO2 + T + S	CO2 + T + S + F	Control	CO2	CO2 + T	CO2 + S	CO2 + F	CO2 + T + S	CO2 + T + S + F
Rep 1	20	10	50	20	20	40	30	50	20	50	20	10	50	60
Rep 2	20	20	50	10	0	40	40	40	20	40	40	20	60	70
Rep 3	30	0	30	10	0	70	30	50	20	60	20	0	70	30
Mean	23.33	10.00	43.33	13.33	6.67	50.00	33.33	46.67	20.00	50.00	26.67	10.00	60.00	53.33
Variance	33.33	100.00	133.33	33.33	133.33	300.00	33.33	33.33	0.00	100.00	133.33	100.00	100.00	433.33
Standard Error	3.33	5.77	6.67	3.33	6.67	10.00	3.33	3.33	0.00	5.77	6.67	5.77	5.77	12.02
<b>Rep = replicate</b>														
<b>CO<sub>2</sub> = 856 <math>\mu</math>atm</b>														
<b>T = temperature +4 °C (28 °C)</b>														
<b>S = Salinity 25</b>														
<b>F = half food diet</b>														