

# Effects of CO<sub>2</sub> and the harmful alga *Aureococcus anophagefferens* on growth and survival of oyster and scallop larvae

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## Supplement. Statistical tables

Table S1. *Crassostrea virginica*. Two-way analysis of variance for larval metamorphosis rates when exposed to low levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	1	6.570	<0.05
Food source	1	63.189	<0.05
CO <sub>2</sub> × food source	1	3.416	0.089
Error	12		

Table S2. *Crassostrea virginica*. Two-way analysis of variance for larval survival rates when exposed to low levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	1	8.143	<0.05
Food source	1	5.243	<0.05
CO <sub>2</sub> × food source	1	0.899	0.362
Error	12		

Table S3. *Crassostrea virginica*. Two-way analysis of variance for larval diameters when exposed to low levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	1	96.5289	<0.01
Food source	1	12.204	<0.01
CO <sub>2</sub> × food source	1	0.303	0.592
Error	12		

Table S4. *Crassostrea virginica*. Two-way analysis of variance for larval lipid content when exposed to low levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	1	142.873	<0.001
Food source	1	107.486	<0.001
CO <sub>2</sub> × food source	1	37.574	<0.001
Error	12		

Table S5. *Crassostrea virginica*. Two-way analysis of variance for larval metamorphosis rates when exposed to high levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	1	9.086	<0.05
Food source	1	142.415	<0.05
CO <sub>2</sub> × food source	1	8.876	<0.05
Error	12		

Table S6. *Crassostrea virginica*. Two-way analysis of variance for larval survival rates when exposed to high levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	1	10.254	<0.01
Food source	1	113.978	<0.01
CO <sub>2</sub> × food source	1	9.918	<0.01
Error	12		

Table S7. *Crassostrea virginica*. Two-way analysis of variance for larval lipid content when exposed to high levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	1	103.727	<0.001
Food source	1	55.425	<0.001
CO <sub>2</sub> × food source	1	35.653	<0.001
Error	12		

Table S8. *Crassostrea virginica*. Two-way analysis of variance for larval diameters when exposed to high levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	1	53.206	<0.001
Food source	1	51.215	<0.001
CO <sub>2</sub> × food source	1	0.432	0.621
Error	12		

Table S9. *Argopecten irradians*. Two-way analysis of variance for larval metamorphosis when exposed to low levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	2	4076.740	<0.001
Food level	1	170133.378	<0.001
CO <sub>2</sub> × food level	2	3001.852	<0.001
Error	18		

Table S10. *Argopecten irradians*. Two-way analysis of variance for larval survival when exposed to low levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	2	34.816	<0.001
Food level	1	528.348	<0.001
CO <sub>2</sub> × food level	2	16.495	<0.001
Error	18		

Table S11. *Argopecten irradians*. Two-way analysis of variance for larval diameter when exposed to low levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	2	2118.9	<0.001
Food level	1	292.649	<0.001
CO <sub>2</sub> × food level	2	44.657	<0.001
Error	18		

Table S12. *Argopecten irradians*. Two-way analysis of variance for larval lipid content when exposed to low levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	2	75.791	<0.001
Food level	1	75.818	<0.001
CO <sub>2</sub> × food level	2	14.624	<0.001
Error	18		

Table S13. *Argopecten irradians*. Two-way analysis of variance for larval metamorphosis when exposed to high levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	2	1,739.969	<0.001
Food level	1	92,085.520	<0.001
CO <sub>2</sub> × food level	2	1,739.969	<0.001
Error	18		

Table S14. *Argopecten irradians*. Two-way analysis of variance for larval survival when exposed to high levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	2	22.275	<0.001
Food level	1	663.336	<0.001
CO <sub>2</sub> × food level	2	22.275	<0.001
Error	18		

Table S15. *Argopecten irradians*. Two-way analysis of variance for larval lipid content when exposed to high levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	2	1052.96	<0.001
Food level	1	1595.614	<0.001
CO <sub>2</sub> × food level	2	228.344	<0.001
Error	18		

Table S16. *Argopecten irradians*. Two-way analysis of variance for larval diameters when exposed to high levels of *Aureococcus anophagefferens*

Source of variation	df	F ratio	p
CO <sub>2</sub> level	2	502.438	<0.001
Food level	1	199.156	<0.001
CO <sub>2</sub> × food level	2	0.219	0.641
Error	18		