

## Native predators limit invasion of benthic invertebrate communities in Bodega Harbor, California, USA

Tanya L. Rogers\*, Jarrett E. Byrnes, John J. Stachowicz

\*Corresponding author: rogers.ta@husky.neu.edu

*Marine Ecology Progress Series 545: 161–173 (2016)*

**Table S1.** Coefficient estimates and log ratio tests for whether different predators ate different prey items. Predators from the jetty (a) and dock (b) are shown. Coefficients are from logistic regressions such that a coefficient not different from 0 indicates that a particular prey item was consumed but was neither strongly preferred nor avoided. Coefficients of 14.82 and -14.82 indicate that the probability of a prey item being eaten was 100% or 0%, respectively. Relationships where a predator detectably influenced the probability of a prey item being eaten at the  $\alpha = 0.05$  level are highlighted in bold, and italicized if the relationship is also positive. Trials were from 2006 unless otherwise indicated.

	<b>Predator</b>	<b>Prey</b>	<b>Coefficient Estimate</b>	<b>SE</b>	<b>Log Ratio Statistic</b>	<b>p</b>
(a) Jetty	<i>Loxorhynchus crispatus</i>	<i>Ascidia ceratodes</i>	-0.29	0.76	0.1433	0.9880
		<i>Botrylloides violaceous</i>	0.29	0.76	0.1433	0.9880
		<i>Botrylloides diegensis</i>	-0.29	0.76	0.1433	0.9880
		<i>Didemnum vexillum</i>	0.92	0.84	1.3283	0.7870
		<i>Distaplia occidentalis</i>	-0.92	0.84	1.3283	0.7870
		<i>Watersipora subtorquata</i>	0.29	0.76	0.1433	0.9880
	<i>Patiria miniata</i>	<i>Ciona intestinalis</i>	<b>-14.82</b>	377.96	9.7040	0.0250
		<i>Ascidia ceratodes</i>	-1.61	1.10	2.9110	0.3810
		<i>Botrylloides violaceous</i>	-0.69	0.87	0.6796	0.9240
		<i>Botrylloides diegensis</i>	-0.69	0.87	0.6796	0.9240
		<i>Didemnum vexillum</i>	-1.61	1.10	2.9110	0.4030
		<i>Distaplia occidentalis</i>	0.00	0.82	0.0000	1.0000
	<i>Pugettia producta</i>	<i>Watersipora subtorquata</i>	<b>-14.82</b>	408.25	8.3178	0.0320
		<i>Ciona intestinalis</i>	<b>-14.82</b>	408.25	8.3178	0.0060
		<i>Ascidia ceratodes</i>	-1.95	1.07	5.0620	0.1050
		<i>Botrylloides violaceous</i>	-1.95	1.07	5.0620	0.1050
		<i>Botrylloides diegensis</i>	-1.10	0.82	2.0930	0.6300
		<i>Didemnum vexillum</i>	0.00	0.71	0.0000	1.0000
	<i>Distaplia occidentalis</i>	<b>-14.82</b>	353.55	11.0903	0.0090	
	<i>Watersipora subtorquata</i>	-1.10	0.82	2.0930	0.6300	
	<i>Ciona intestinalis</i>	-0.51	0.73	0.5053	0.8930	

	<b>Predator</b>	<b>Prey</b>	<b>Coefficient Estimate</b>	<b>SE</b>	<b>Log Ratio Statistic</b>	<b>p</b>
	<i>Scyra acutifrons</i>	<i>Ascidia ceratodes</i>	-1.95	1.07	5.0620	0.1060
		<i>Botrylloides violaceous</i>	-0.51	0.73	0.5053	0.9600
		<i>Botrylloides diegensis</i>	0.00	0.71	0.0000	1.0000
		<i>Didemnum vexillum</i>	1.95	1.07	5.0620	0.1090
		<i>Distaplia occidentalis</i>	<b>-14.82</b>	353.55	11.0903	0.0040
		<i>Watersipora subtorquata</i>	-0.51	0.73	0.5053	0.9600
		<i>Ciona intestinalis</i>	<b>-14.82</b>	353.55	11.0903	0.0030
	<i>Patiria miniata, 2007</i>	<i>Ascidia ceratodes</i>	-0.41	0.91	0.2014	0.6280
		<i>Botrylloides violaceous</i>	<b>14.82</b>	447.21	6.9315	0.0170
		<i>Botrylloides diegensis</i>	<b>14.82</b>	447.21	6.9315	0.0170
		<i>Didemnum vexillum</i>	<b>-14.82</b>	447.21	6.9315	0.0170
		<i>Distaplia occidentalis</i>	-1.39	1.12	1.9274	0.4750
		<i>Watersipora subtorquata</i>	<b>-14.82</b>	447.21	6.9315	0.0170
	<i>Pugettia richii, 2007</i>	<i>Ascidia ceratodes</i>	-1.39	1.12	1.9274	0.4660
		<i>Botrylloides violaceous</i>	<b>-14.82</b>	447.21	6.9315	0.0200
		<i>Botrylloides diegensis</i>	<b>-14.82</b>	447.21	6.9315	0.0200
		<i>Didemnum vexillum</i>	0.41	0.91	0.2014	0.6460
		<i>Distaplia occidentalis</i>	<b>-14.82</b>	447.21	6.9315	0.0200
		<i>Watersipora subtorquata</i>	<b>-14.82</b>	447.21	6.9315	0.0200
(b) Dock	<i>Strongylocentrotus purpuratus</i>	<i>Ascidia ceratodes</i>	<b>-14.82</b>	353.55	11.0903	0.0030
		<i>Botrylloides violaceous</i>	-0.51	0.73	0.5053	0.7210
		<i>Botrylloides diegensis</i>	-1.10	0.82	2.0930	0.3490
		<i>Didemnum vexillum</i>	<b>-14.82</b>	353.55	11.0903	0.0030
		<i>Distaplia occidentalis</i>	<b>-14.82</b>	353.55	11.0903	0.0030
		<i>Watersipora subtorquata</i>	<b>-14.82</b>	353.55	11.0903	0.0030
		<i>Ciona intestinalis</i>	<b>-14.82</b>	353.55	11.0903	0.0030
	<i>Strongylocentrotus purpuratus, 2007</i>	<i>Ascidia ceratodes</i>	<b>-14.82</b>	447.21	6.9315	0.0010
		<i>Botrylloides violaceous</i>	<b>-14.82</b>	447.21	6.9315	0.0010
		<i>Botrylloides diegensis</i>	<b>-14.82</b>	447.21	6.9315	0.0010
		<i>Didemnum vexillum</i>	<b>-14.82</b>	447.21	6.9315	0.0010
		<i>Distaplia occidentalis</i>	<b>-14.82</b>	447.21	6.9315	0.0010
		<i>Watersipora subtorquata</i>	<b>-14.82</b>	447.21	6.9315	0.0010
	<i>Pachygrapsus crassipes, 2007</i>	<i>Ascidia ceratodes</i>	<b>-14.82</b>	447.21	6.9315	0.0010
		<i>Botrylloides violaceous</i>	<b>-14.82</b>	447.21	6.9315	0.0010
		<i>Botrylloides diegensis</i>	<b>-14.82</b>	447.21	6.9315	0.0010
		<i>Didemnum vexillum</i>	<b>-14.82</b>	447.21	6.9315	0.0010
		<i>Distaplia occidentalis</i>	<b>-14.82</b>	447.21	6.9315	0.0010
		<i>Watersipora subtorquata</i>	<b>-14.82</b>	447.21	6.9315	0.0010