

Response variable	Model rank	Oyster height	Marsh:Water	Mud crab density	Petrolisthes density	Temperature	Salinity	Nearest inlet	Reef rugosity	Total oyster density	df	log likelihood	AICc	ΔAICc	R <sup>2</sup> c	R <sup>2</sup> m
<i>P. marinus</i> prevalence	1	0.901	-0.939	0.491		0.421					6	-484.75	981.6	0	0.119	0.181
	2	0.902	-0.9	0.426							5	-485.87	981.8	0.22	0.11	0.181
	3	0.919	-0.892								4	-486.92	981.9	0.29	0.096	0.175
	4	0.921	-0.923			0.346					5	-486.21	982.5	0.89	0.101	0.174
	5	0.891	-0.889	0.567	-0.182	0.409					7	-484.58	983.3	1.69	0.122	0.183
	6	0.891	-0.841	0.518	-0.217						6	-485.65	983.4	1.8	0.114	0.183
<i>P. marinus</i> intensity	1		-0.173			0.233	-0.084				6	-1416.25	2844.7	0	0.094	0.128
	2		-0.159			0.236					5	-1417.3	2844.7	0.05	0.087	0.128
	3		-0.146		-0.076	0.225					6	-1416.4	2845	0.31	0.092	0.128
	4		-0.161		-0.066	0.224	-0.075				7	-1415.55	2845.3	0.65	0.097	0.128
	5		-0.138		-0.086	0.227				0.046	7	-1416.11	2846.4	1.77	0.093	0.128
	6		-0.155			0.238				0.026	6	-1417.21	2846.6	1.91	0.088	0.129
	7		-0.169			0.226	-0.088	0.021			7	-1416.2	2846.6	1.94	0.094	0.128
	8		-0.176			0.232	-0.091			-0.016	7	-1416.22	2846.7	1.99	0.094	0.128
<i>H. nelsoni</i> prevalence	1	0.91	0.977			-1.072	-0.7				6	-395.93	804	0	0.137	0.218
	2	0.913	1.084			-1.075					5	-397.55	805.2	1.22	0.121	0.221
<i>H. nelsoni</i> intensity	1	0.593		-0.192	0.176		-0.176				7	-2071.37	4156.9	0	0.339	0.393
	2	0.592		-0.2	0.172	-0.079	-0.18				8	-2070.44	4157.1	0.2	0.344	0.393
	3	0.594		-0.201	0.198	-0.102	-0.161		-0.085		9	-2069.58	4157.4	0.53	0.346	0.389
	4	0.594		-0.191	0.193		-0.165		-0.05		8	-2071.07	4158.4	1.45	0.339	0.391
	5	0.593	-0.047	-0.199	0.194		-0.185				8	-2071.09	4158.4	1.49	0.34	0.392
	6	0.592	-0.036	-0.205	0.186	-0.074	-0.186				9	-2070.27	4158.8	1.91	0.345	0.392
Co-infection	1	0.762	-0.469	0.367			-0.496				6	-538.15	1088.4	0	0.079	0.112
	2	0.787	-0.471				-0.504				5	-539.64	1089.4	0.96	0.068	0.111
	3	0.742	-0.406	0.458	-0.217		-0.461				7	-537.74	1089.6	1.21	0.082	0.113
Mud blister worm prevalence	1	1.258					-1.35	-0.643			5	-403.13	816.3	0	0.167	0.243
	2	1.269					-1.428				4	-404.57	817.2	0.85	0.147	0.243
	3	1.263					-1.282	-0.735	-0.179		6	-403.04	818.2	1.85	0.166	0.242