Table S13: Indicator species analysis for five-month heatwave variation—Indval [8].

Heatwave	Assay	OTU	Taxa	Indicator value	ho value
Before	Cnidaria	165	Pythiales	0.7778	0.001
Before	Copepod 1	74	Paracalanus Indicus	0.6061	0.002
Before	Copepod 2	14	Calanoida	0.4972	0.023
Before	Copepod 1	57	Arthropoda	0.4855	0.018
Before	Copepod 1	13	Paracalanidae	0.4638	0.015
Before	Universal	23	Alveolata	0.4628	0.030
Before	Cnidaria	87	Chlorophyta	0.4098	0.047
Before	Cnidaria	21	Hydrozoa	0.3984	0.030
Before	Copepod 1	114	Arthropoda	0.3644	0.031
Before	Copepod 2	11	Arthropoda	0.3065	0.036
Before	Mollusca	216	Arthropoda	0.3065	0.037
Before	Cnidaria	168	Plantae	0.2908	0.049
Before	Copepod 3	285	Calanoida	0.2222	0.033
Before	Copepod 1	110	Gastropoda	0.2222	0.033
Before	Copepod 1	133	Gastropoda	0.2222	0.035
Before	Mollusca	252	Polychaeta	0.2222	0.037
During	Mollusca	179	Hexanauplia	0.6502	0.001
During	Copepod 3	41	Actinopterygii	0.6052	0.004
During	Mollusca	201	Euchaeta longicornis	0.5715	0.002
During	Cnidaria	125	Plantae	0.5426	0.007
During	Copepod 3	95	Arthropoda	0.5426	0.010
During	Fish	5	Parapriacanthus elongatus	0.5256	0.017
During	Mollusca	242	Euphausia hemigibba	0.5063	0.004
During	Universal	71	Temora sp.	0.5055	0.004
During	Mollusca	87	Copilia mirabilis (v)	0.4980	0.017
During	Cnidaria	160	Arthropoda	0.4959	0.017
During	Mollusca	37	Turritopsis sp. (Two – 98%)	0.4867	0.019
During	Mollusca	57	Arthropoda	0.4862	0.026
During	Copepod 3	130	Subeucalanus sp. (Two – 100%(v))	0.4827	0.024
During	Copepod 3	22	Calcinus dapsiles	0.4779	0.024
During	Mollusca	145	Euphasia recurva (v)	0.4684	0.023
During	Mollusca	280	Undinula vulgaris	0.4671	0.009
During	Cnidaria	158	Corycaeidae	0.4647	0.007
During	Cnidaria	11	Hydrozoa	0.4624	0.023
During	Cnidaria	44	Malacostraca	0.4566	0.041
During	Mollusca	76	Subeucalanus sp. (two – 99%)	0.4300	0.041
During	Cnidaria	10	Animalia	0.4413	0.033
During	Mollusca	267	Malacostraca	0.4413	0.049
During	Copepod 3	106	Arthropoda	0.4201	0.027
During	Crustacea	88	Animalia	0.4201	0.030
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During	Mollusca	186	Eukaryota	0.4000	0.005
During	Mollusca	197	Gastropoda	0.4000	0.008
During	Mollusca	307	Eukaryota	0.4000	0.008
During	Mollusca	7 224	Parazoanthidae (Many – 99%)	0.4000	0.008
During	Mollusca	224	Gastropoda	0.4000	0.010
During	Mollusca	209	Arthropoda	0.4000	0.010
During	Mollusca	80	Aglajidae	0.4000	0.011

DuringCopepod 391Euphausia recurva (v)0.3813DuringUniversal33Heterobranchia0.3770DuringMollusca15Watersipora subovoidea0.3770DuringCnidaria203Animalia0.3770DuringMollusca278Calanoida0.3770DuringCnidaria128Subeucalanus mucronatus (v)0.3770DuringCopepod 3126Stylocheiron sp.0.3770DuringMollusca152Subeucalanus mucronatus (v)0.3770DuringCnidaria81Echinodermata0.3717DuringCopepod 3246Calanoida0.3565DuringCnidaria201Eukaryota0.3565DuringCnidaria73Unknown0.3565	0.040 0.013 0.013 0.014 0.014 0.016 0.018 0.021 0.050
DuringMollusca15Watersipora subovoidea0.3770DuringCnidaria203Animalia0.3770DuringMollusca278Calanoida0.3770DuringCnidaria128Subeucalanus mucronatus (v)0.3770DuringCopepod 3126Stylocheiron sp.0.3770DuringMollusca152Subeucalanus mucronatus (v)0.3770DuringCnidaria81Echinodermata0.3717DuringCopepod 3246Calanoida0.3565DuringCnidaria201Eukaryota0.3565DuringCnidaria73Unknown0.3565	0.013 0.014 0.014 0.016 0.018 0.021
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DuringCopepod 3246Calanoida0.3565DuringCnidaria201Eukaryota0.3565DuringCnidaria73Unknown0.3565	0.050
During Cnidaria 201 Eukaryota 0.3565 During Cnidaria 73 Unknown 0.3565	0.000
During Cnidaria 73 Unknown 0.3565	0.020
š	0.022
•	0.037
During Cnidaria 105 Hydrozoa 0.3565	0.037
During Copepod 2 107 Mollusca 0.3381	0.027
During Mollusca 211 Arthropoda 0.3381	0.029
During Mollusca 108 Annelida 0.3381	0.037
During Crustacea 13 Animalia 0.3381	0.038
During Cnidaria 46 Pleurobranchus hilli 0.3381	0.040
During Mollusca 135 Caenogastropoda 0.3381	0.043
During Universal 59 Creseis sp. 0.3381	0.044
During Mollusca 5 <i>Cliona sp.</i> 0.3216	0.037
During Copepod 1 60 Arthropoda 0.3216	0.037
During Copepod 3 300 Clausocalanus sp. 0.3216	0.040
During Crustacea 67 Eukaryota 0.3216	0.047
During Universal 87 Chromista 0.3216	0.050
During Copepod 3 150 Arthropoda 0.3130	0.019
During Mollusca 121 Mollusca 0.3130	0.026
During Copepod 3 264 Euphausia hemigibba 0.2988	0.033
During Mollusca 185 Gastropoda 0.2988	0.048
After Mollusca 4 Eukaryota 0.8780	0.001
After Mollusca 64 <i>Oncaea sp.</i> (Two – 100%) 0.7073	0.001
After Cnidaria 16 Chlorophyta 0.6681	0.001
After Cnidaria 5 Prasinophyceae 0.6585	0.001
After Copepod 3 28 Muricidae 0.6352	0.001
After Copepod 1 33 Gastropoda 0.6341	0.002
After Copepod 1 36 Arthropoda 0.5746	0.002
After Copepod 1 4 Oncaea waldemari (v) 0.5463	0.002
After Cnidaria 104 Chlorophyta 0.5158	0.018
After Universal 13 Chlorophyta 0.5131	0.002
After Mollusca 75 Arthropoda 0.5122	0.014
After Copepod 3 50 Paracalanus aculeatus 0.4920	0.016
After Copepod 1 30 Neogastropoda 0.4878	0.015
After Copepod 2 25 Paracalanus sp. (Two at 100%) 0.4696	0.034
After Copepod 3 89 Arthropoda 0.4634	0.026
After Copepod 1 44 Triconia sp. 0.4634	0.029
After Universal 14 Chlorellaceae (Many at 99%) 0.4445	0.036
After Mollusca 45 Animalia 0.4390	0.038
After Mollusca 96 Animalia 0.4146	0.031
After Copepod 3 107 Calanoida 0.4146	0.032

Heatwave	Assay	OTU	Taxa	Indicator value	ho value
After	Mollusca	128	Eukaryota	0.4146	0.034
After	Cnidaria	155	Eukaryota	0.4146	0.038
After	Copepod 3	44	Animalia	0.4125	0.016
After	Copepod 3	148	Decapoda	0.3902	0.033
After	Copepod 3	92	Gastropoda	0.3902	0.039
After	Copepod 3	138	Calanoida	0.3902	0.050

<sup>(</sup>v) Matched to vouchered specimen sequence