

Variation in community structure within hydrothermal vent mussel beds of the East Pacific Rise

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Appendix 1. Distribution of northern East Pacific Rise (NEPR) taxa by sample and site, with mussel volume data. P = quantitative pot samples; A, B = qualitative box samples

Taxon	Train Station								East Wall								Biovent							
	P1	P2	P3	P4	P5	P6	A	B	P1	P2	P3	P4	P5	P6	A	B	P2	P3	P4	P5	P6	A	B	
Cnidaria																								
1 <i>Anemone</i>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Platyhelminthes										0														
2 Turbellarian unidentified	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
Annelida																								
3 <i>Tevnia jerichonana</i>	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4 <i>Amphisamytha galapagensis</i>	152	250	137	94	267	392	150	164	63	51	135	219	128	247	520	818	510	346	1084	385	988	142	373	
5 <i>Archinome rosacea</i>	2	7	4	19	5	8	1	6	1	3	9	22	16	2	30	82	35	19	430	173	358	3	76	
6 <i>Galapagomystides aristata</i>	2	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
7 Glycerid	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	
8 <i>Hesiospina vestimentifera</i>	0	0	0	1	0	0	0	0	2	6	5	3	5	0	4	6	4	0	32	4	68	1	6	
9 <i>Nicomache arwidssoni</i>	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10 <i>Ophryotrocha akessoni</i>	122	72	75	10	402	390	407	302	83	4	42	43	58	621	69	148	87	3	105	1	48	35	86	
11 <i>Branchinotogluma sandersi</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
12 <i>Iphionella risensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	
13 <i>Levinsteiniella kincaidi</i>	0	3	2	2	5	3	0	0	1	0	0	0	0	3	0	0	5	1	8	0	7	0	0	
14 <i>Levinsteiniella plicata</i>	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	
15 <i>Lepidonotopodium riftense</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
16 <i>Lepidonotopodium williamsae</i>	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2	2	1	1	5	0	6	0	0	
17 <i>Opisthotrochopodus alvinus</i>	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	5	0	2	0	2	
18 Serpulid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
19 <i>Paralvinella grasslei</i>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20 <i>Nereis sandersi</i>	0	0	1	0	0	1	1	2	0	2	0	1	0	0	3	14	1	2	26	13	16	0	8	
21 <i>Eulalia papillosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
22 Polychaete unidentified	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	
23 Polychaete ganglionate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
Nemertea																								
24 Nemertea	17	3	0	2	32	32	90	17	0	1	1	1	1	72	1	4	33	14	3	0	0	1	2	
Nematoda																								
25 Nematode	0	0	0	1	0	0	0	0	8	1	2	6	0	0	426	1013	2	8	16	7	141	2	128	

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Mollusca																							
Aplacophora																							
26 Aplacophoran sp. 1	0	1	1	1	3	3	1	0	1	0	4	1	1	1	2	14	6	1	7	2	31	0	11
27 Aplacophoran sp. 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Gastropoda																							
28 <i>Bathymargarites symplector</i>	0	0	1	0	0	0	0	0	0	0	1	0	0	0	4	1	0	0	0	3	3	0	1
29 <i>Cyathernia naticoides</i>	6	4	4	3	0	3	145	181	11	0	9	15	6	0	0	6	0	7	0	0	0	0	0
30 <i>Clypeosectus delectus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	1	1	1	3	0	1
31 <i>Eulepetopsis vitrea</i>	9	5	0	12	8	10	6	13	3	4	6	15	1	1	9	18	5	6	19	9	38	1	38
32 <i>Gorgoleptis spiralis</i>	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	1	2	0	3	0	0
33 <i>Gorgoleptis cf. marginatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
34 <i>Lepetodrilus elevatus</i>	2374	774	604	1036	1419	1357	5340	3769	85	214	371	1018	1540	1628	1458	940	1247	942	1209	74	1040	1922	1097
35 <i>Lepetodrilus ovalis</i>	7	37	39	6	12	45	5	10	42	28	26	70	19	59	19	58	33	3	189	29	176	2	52
36 <i>Lepetodrilus pustulosus</i>	0	0	1	1	5	40	2	0	1	0	4	1	0	4	0	1	0	0	5	0	2	0	0
37 <i>Melanodrymia aurantiaca</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	0	0	0
38 <i>Neomphalus fretterae</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
39 <i>Pachydermia laevis</i>	0	0	0	0	0	0	0	0	3	0	0	1	0	0	1	0	0	0	0	0	2	0	0
40 <i>Peltoleptis delicata</i>	0	0	0	0	0	0	0	0	1	5	3	2	17	4	2	0	0	0	0	0	0	7	1
41 <i>Peltoleptis operculata</i>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
42 <i>Provanna cross hatch</i>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1
43 <i>Provanna riblet</i>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 <i>Provanna lineated</i>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 <i>Provanna ios</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
46 <i>Rhynchopelta concentrica</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Bivalvia																							
47 <i>Bathymodiolus thermophilus</i> <5 mm	78	15	12	142	71	59	247	134	42	82	236	61	36	245	304	282	90	49	128	27	197	113	128
Arthropoda																							
48 Pycnogonid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
49 Mite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	0	3	0	4
50 <i>Ventiella sulfuris</i>	1627	558	497	568	776	1436	2556	1619	113	119	269	187	254	1103	426	636	21	2	10	2	7	108	371
51 Amphipod sp. 1	0	4	6	5	0	0	0	0	1	0	1	0	0	0	0	2	1	11	4	6	5	0	0
52 Amphipod sp. 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
53 Amphipod sp. 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
54 Ostracod	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	1	2	1	0	1	0	0	0
55 <i>Dahlella caldariensis</i>	1	1	0	0	0	0	2	0	1	0	0	0	2	1	0	0	1	0	0	0	0	1	0
56 Barnacle cyprid	0	0	1	1	0	0	0	0	0	2	1	1	1	0	0	0	1	0	0	2	0	0	0
57 <i>Bythograea therydron</i>	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Copepods	336	991	763	156	507	934	416	493	388	198	137	350	171	786	379	361	474	538	895	352	248	156	311
59 <i>Alvinocaris lusca</i>	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0
60 Tanaid	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Echinodermata																							
61 Ophiuroid	0	0	0	0	0	0	0	0	0	1	0	3	1	0	0	0	0	0	0	0	1	0	2
Total number of individuals	4733	2727	2151	2064	3513	4715	9373	6724	856	722	1266	2021	2259	4781	3665	4417	2570	1958	4187	1095	3401	2496	2703
Mussel volume (l)	3.8	1.5	1.5	1.9	3.8	3.9	6.5	4.8	1.4	1.4	1.6	4.6	3.0	2.5	3.8	7.7	1.3	1.9	4.0	1.7	6.7	3.9	8.0
Abundance l ⁻¹ mussels	1246	1818	1434	1086	924	1209	1442	1401	611	516	791	439	753	1912	964	574	1977	1031	1047	644	508	640	334