

Esposito et al., Table S3
SIMPER 2016-2018 on structural pooled data

SIMPER

Similarity Percentages - species contributions

One-Way Analysis

Data worksheet

Name: Data1

Data type: Abundance

Sample selection: All

Variable selection: All

Parameters

Resemblance: S17 Bray Curtis similarity

Cut off for low contributions: 50.00%

Factor Groups

Sample	pH
1	Ambient
2	Ambient
3	Ambient
4	Ambient
12	Ambient
13	Ambient
14	Ambient
15	Ambient
5	Weak low
6	Weak low
7	Weak low
8	Weak low
16	Weak low
17	Weak low
18	Weak low
19	Weak low
9	Low
10	Low
11	Low
20	Low
21	Low
22	Low
23	Low

Group Ambient

Average similarity: 51.23

Species	Av.Abund	Av.Sim	Sim/SD	Contrib%	Cum.%
Leptocheliidae	6.91	3.49	3.81	6.81	6.81
<i>Caprella acanthifera</i>	5.63	3.31	2.29	6.45	13.27
<i>Amphiglena aeoliensis</i>	5.77	2.88	3.63	5.62	18.88
<i>Ampithoe helleri</i>	4.62	2.80	4.90	5.46	24.34
Exogoninae gen. spp.	7.12	2.75	2.57	5.37	29.72
Janiridae	4.85	2.34	3.96	4.56	34.28
<i>Hippolyte leptocerus</i>	3.37	2.18	3.53	4.25	38.53
<i>Ampithoe ramondi</i>	3.05	1.82	3.73	3.56	42.09

<i>Odontosyllis ctenostoma</i>	3.18	1.51	3.71	2.94	45.03
<i>Apherusa vexatrix</i>	3.77	1.44	1.19	2.80	47.83
<i>Rissoa variabilis</i>	2.64	1.24	3.23	2.42	50.26

Group Weak low

Average similarity: 56.51

Species	Av.Abund	Av.Sim	Sim/SD	Contrib%	Cum.%
Leptocheliidae	13.93	7.19	4.68	12.72	12.72
<i>Amphiglena aeoliensis</i>	10.40	4.76	2.35	8.42	21.15
<i>Caprella acanthifera</i>	6.60	3.46	3.64	6.13	27.27
Exogoninae gen. spp.	7.69	2.99	1.69	5.29	32.57
<i>Odontosyllis ctenostoma</i>	4.52	2.26	2.73	4.00	36.56
<i>Apherusa vexatrix</i>	3.93	2.08	3.78	3.68	40.24
<i>Ampithoe helleri</i>	3.73	1.86	1.65	3.29	43.53
Janiridae	4.46	1.69	1.48	2.99	46.52
<i>Ampithoe ferox</i>	3.07	1.55	2.46	2.74	49.26
<i>Ampithoe riedli</i>	3.03	1.45	1.45	2.56	51.82

Group Low

Average similarity: 52.29

Species	Av.Abund	Av.Sim	Sim/SD	Contrib%	Cum.%
Leptocheliidae	20.58	10.35	2.70	19.79	19.79
<i>Amphiglena panarensis</i>	13.45	6.34	1.92	12.12	31.91
Exogoninae gen. spp.	8.77	3.92	3.40	7.50	39.41
<i>Caprella acanthifera</i>	4.39	2.32	1.24	4.44	43.85
<i>Odontosyllis ctenostoma</i>	3.74	2.23	5.16	4.27	48.12
<i>Amphipholis squamata</i>	4.27	2.18	3.75	4.17	52.30

Groups Ambient & Weak low

Average dissimilarity = 49.51

Species	Group Ambient		Group Weak low		Contrib%	Cum.%
	Av.Abund	Av.Sim	Av.Abund	Av.Sim		
Leptocheliidae	6.91	13.93	2.58	1.61	5.22	5.22
<i>Amphiglena aeoliensis</i>	5.77	10.40	2.00	1.08	4.04	9.26
Exogoninae gen. spp.	7.12	7.69	1.74	1.37	3.51	12.77
<i>Stenothoe elachista</i>	3.58	3.78	1.26	1.33	2.54	15.31
<i>Cressa cristata</i>	4.18	0.47	1.22	1.03	2.46	17.77
<i>Amphipholis squamata</i>	4.16	2.57	0.98	1.26	1.99	19.76
<i>Musculus costulatus</i>	4.27	2.89	0.98	1.22	1.98	21.74
Janiridae	4.85	4.46	0.95	1.34	1.92	23.66
<i>Protohyale (Boreohyale) camptonyx</i>	3.40	3.25	0.93	1.63	1.88	25.54
<i>Amphiglena panarensis</i>	2.63	3.28	0.86	1.30	1.74	27.28
<i>Pereionotus testudo</i>	1.46	3.32	0.84	1.43	1.70	28.98
<i>Erichthonius punctatus</i>	1.58	3.07	0.84	1.31	1.70	30.68
<i>Caprella acanthifera</i>	5.63	6.60	0.82	1.27	1.65	32.33
<i>Odontosyllis ctenostoma</i>	3.18	4.52	0.80	1.41	1.61	33.94
<i>Apherusa vexatrix</i>	3.77	3.93	0.79	1.29	1.60	35.54
<i>Achelia echinata</i>	1.72	2.87	0.73	1.16	1.47	37.01
<i>Odostomia turrita</i>	1.67	2.77	0.72	1.23	1.46	38.47
<i>Cymodoce truncata</i>	2.39	0.43	0.66	0.95	1.34	39.81
<i>Cestopagurus timidus</i>	2.44	0.58	0.65	1.44	1.32	41.13
<i>Granulina marginata</i>	1.33	2.63	0.65	1.46	1.31	42.44
<i>Callipallene producta</i>	2.08	0.39	0.64	1.53	1.30	43.74

<i>Callipallene phantoma</i>	2.42	1.13	0.62	1.56	1.26	45.00
<i>Sphaeromatidae</i> unid.	1.32	1.22	0.58	1.14	1.18	46.18
<i>Nereiphylla pusilla</i>	0.73	2.43	0.58	1.63	1.16	47.34
<i>Ampithoe ferox</i>	2.28	3.07	0.57	1.08	1.15	48.49
<i>Syllis prolifera</i>	1.99	2.80	0.56	1.16	1.14	49.62

Groups Ambient & Low

Average dissimilarity = 57.35

Species	Group Ambient Av.Abund	Group Low Av.Abund	Av.Diss	Diss/SD	Contrib%	Cum.%
<i>Leptocheliidae</i>	6.91	20.58	4.93	1.51	8.60	8.60
<i>Amphiglena panarensis</i>	2.63	13.45	3.92	1.62	6.83	15.43
<i>Exogoninae</i> gen. spp.	7.12	8.77	1.98	1.27	3.46	18.89
<i>Amphiglena aeoliensis</i>	5.77	3.91	1.96	1.43	3.42	22.32
<i>Stenothoe elachista</i>	3.58	4.98	1.59	1.52	2.77	25.09
<i>Cressa cristata</i>	4.18	0.00	1.28	0.93	2.24	27.32
<i>Janiridae</i>	4.85	1.95	1.26	1.87	2.19	29.51
<i>Amphipholis squamata</i>	4.16	4.27	1.21	1.65	2.11	31.62
<i>Musculus costulatus</i>	4.27	0.83	1.17	1.17	2.05	33.67
<i>Protohyale (Boreohyale) camptonyx</i>	3.40	2.86	0.98	1.86	1.71	35.38
<i>Ampithoe helleri</i>	4.62	2.37	0.96	1.53	1.67	37.04
<i>Caprella acanthifera</i>	5.63	4.39	0.96	1.20	1.67	38.71
<i>Pereionotus testudo</i>	1.46	3.71	0.95	1.04	1.66	40.38
<i>Apherusa vexatrix</i>	3.77	2.07	0.95	1.56	1.66	42.03
<i>Granulina marginata</i>	1.33	3.43	0.93	1.27	1.62	43.66
<i>Callipallene phantoma</i>	2.42	0.20	0.77	1.53	1.35	45.00
<i>Callipallene producta</i>	2.08	0.20	0.75	1.53	1.31	46.31
<i>Achelia langi</i>	2.37	0.45	0.74	1.46	1.30	47.61
<i>Cestopagurus timidus</i>	2.44	0.55	0.70	1.32	1.23	48.84
<i>Cymodoce truncata</i>	2.39	0.14	0.70	0.91	1.22	50.06

Groups Weak low & Low

Average dissimilarity = 49.75

Species	Group Weak low Av.Abund	Group Low Av.Abund	Av.Diss	Diss/SD	Contrib%	Cum.%
<i>Amphiglena panarensis</i>	3.28	13.45	3.59	1.69	7.23	7.23
<i>Leptocheliidae</i>	13.93	20.58	3.42	1.56	6.87	14.09
<i>Amphiglena aeoliensis</i>	10.40	3.91	2.84	1.60	5.72	19.81
<i>Exogoninae</i> gen. spp.	7.69	8.77	1.90	1.36	3.81	23.62
<i>Stenothoe elachista</i>	3.78	4.98	1.36	1.55	2.73	26.35
<i>Janiridae</i>	4.46	1.95	1.25	1.52	2.51	28.86
<i>Caprella acanthifera</i>	6.60	4.39	1.07	1.25	2.14	31.00
<i>Pereionotus testudo</i>	3.32	3.71	0.96	1.30	1.93	32.93
<i>Erichthonius punctatus</i>	3.07	0.91	0.95	1.26	1.91	34.84
<i>Ampithoe helleri</i>	3.73	2.37	0.83	1.42	1.67	36.52
<i>Amphipholis squamata</i>	2.57	4.27	0.79	1.48	1.60	38.11
<i>Achelia echinata</i>	2.87	1.03	0.78	1.32	1.57	39.68
<i>Musculus costulatus</i>	2.89	0.83	0.78	1.32	1.56	41.24
<i>Odostomia turrita</i>	2.77	1.31	0.77	1.12	1.55	42.80
<i>Ampithoe ferox</i>	3.07	1.36	0.75	1.21	1.51	44.31
<i>Ampithoe riedli</i>	3.03	1.58	0.75	1.29	1.51	45.82
<i>Apherusa vexatrix</i>	3.93	2.07	0.74	1.37	1.48	47.30
<i>Granulina marginata</i>	2.63	3.43	0.69	1.29	1.39	48.69
<i>Achelia langi</i>	2.03	0.45	0.67	1.38	1.34	50.04