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Do artificial vs natural substrates cause a difference in assemblages of peracarids? A case study in the Western Mediterranean basin

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Table S1. List of peracarid species collected in all the samples.

	Villaricos (Vill)								Calpe (Cal)								
	Artificial (Vill-1)				Natural (Vill-2)				Artificial (Cal-1)				Natural (Cal-2)				T. guild
	1	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	
*Ampithoe ramondi (*Audouin, 1826)	1	0	0	0	1	1	0	3	2	3	5	15	47	42	49	31	HBV
*Ampithoe riedli (*Krapp-Schickel, 1968)	4	8	4	3	9	10	64	25	0	19	0	0	0	1	0	0	HBV
Anthura gracilis (Montagu, 1808)	0	0	0	0	0	0	0	0	1	1	5	1	0	0	0	0	CNV
Apohyale perieri (Lucas, 1846)	0	0	1	2	12	15	0	5	2	13	0	0	0	0	0	0	HBV
Carpias stebbingi (Monod, 1933)	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	1	DET
Caprella hirsuta (Mayer, 1890)	0	0	0	0	0	0	0	0	0	12	0	0	15	0	6	7	DET
Coxischyrocerus inexpectatus (Ruffo, 1959)	7	1	3	3	2	3	3	5	2	1	0	0	0	0	0	0	DET
*Dynamene magnitorata (*Holdcih, 1968)	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	HBV
Elasmopus brasiliensis (Dana, 1853)	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	DET
Elasmopus pocillimanus (Spence-Bate, 1862)	13	14	16	7	76	70	82	45	18	16	61	14	37	83	81	50	DET
Gnathia vorax (Lucas, 1849)	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	CNV
*Hexapleomera bultidactyla (*Esquete & Fernández-González, 2016)	49	13	31	12	243	100	138	121	1	0	0	0	0	0	0	0	HBV
*Hyale pontica (*Rathke, 1836)	0	0	0	0	0	0	0	0	0	1	0	0	6	0	0	0	HBV
*Hyale stebbingi (*Chevreux, 1888)	1	15	3	4	20	64	54	6	0	30	0	0	0	0	0	0	HBV

Continued

Table S1 continued

	Villaricos (Vill)								Calpe (Cal)								
	Artificial (Vill-1)				Natural (Vill-2)				Artificial (Cal-1)				Natural (Cal-2)				T. guild
	1	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**1**	**2**	**3**	**4**	
*Ischyromene lacazei (*Racovitza, 1908)	22	44	22	29	3	20	62	36	0	0	0	0	0	0	0	0	HBV
Janira sp.	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	DET
*Jassa marmorata (*Holmes, 1905)	127	89	124	127	24	18	6	9	0	0	0	0	0	0	0	0	DET
Jassa sp.	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	DET
*Joeropsis brevicornis brevicornis (*Koehler, 1885)	3	4	2	0	16	37	18	29	0	0	0	2	0	0	3	0	DET
Monocorophium sextonae (Crawford, 1937)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	DET
Protohyale (Boreohyale) camptonyx (Heller, 1866)	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	DET
Protohyale (Protohyale) schmidtii (Heller, 1866)	0	0	0	0	0	0	0	0	13	12	15	10	3	2	0	0	DET
Quadrimaera inaequipes (A. Costa in Hope, 1851)	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	DET
Stenothoe tergestina (Nebeski, 1881)	32	29	25	21	0	1	3	2	6	1	3	11	0	0	2	0	CNV
Stenothoe monoculoides (Montagu, 1813)	0	0	0	0	0	0	0	0	2	0	5	2	7	0	5	5	CNV
Tanais dulongii (Audouin, 1826)	0	0	0	0	0	4	6	0	0	3	1	0	0	0	0	0	HBV
*Zeuxo holdichi (*Bamber, 1990)	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	HBV

Table S2. Raw values of the ecological descriptors. Abbreviations: Vill-1, Villaricos (site) artificial substrate (type). Vill-2, Villaricos (site) natural substrate (type). Cal-1, Calpe (site) artificial substrate (type). Cal-2, Calpe (site) natural substrate (type). SD, standard deviation.

	Vill-1.1	**Vill-1.2**	**Vill-1.3**	**Vill-1.4**	**Vill-2.1**	**Vill-2.2**	**Vill-2.3**	**Vill-2.4**
Total Abundance	260	217	233	209	409	347	436	286
Species Richness	11	9	11	10	13	14	10	11
Simpson index	0.703	0.762	0.676	0.599	0.605	0.824	0.807	0.7629
Shannon index	1.578	1.727	1.559	1.375	1.386	1.985	1.824	1.792
Margalef index	1.798	1.487	1.835	1.685	1.995	2.222	1.481	1.768
Equitability	0.659	0.786	0.65	0.597	0.540	0.752	0.792	0.747
	Cal-1.1	**Cal-1.2**	**Cal-1.3**	**Cal-1.4**	**Cal-2.1**	**Cal-2.2**	**Cal-2.3**	**Cal-2.4**
Total Abundance	48	112	135	55	116	128	147	96
Species Richness	10	12	9	7	7	4	7	6
Simpson index	0.778	0.849	0.709	0.799	0.717	0.475	0.586	0.622
Shannon index	1.847	2.072	1.559	1.703	1.479	0.761	1.132	1.204
Margalef index	2.325	2.331	1.631	1.497	1.262	0.618	1.202	1.095
Equitability	0.802	0.834	0.710	0.875	0.760	0.549	0.582	0.672
	MEAN	**SD**						
Total Abundance	202.188	119.930						
Species Richness	9.438	2.683						
Simpson index	0.705	0.104						
Shannon index	1.561	0.338						
Margalef index	1.640	0.465						
Equitability	0.707	0.103						

Table S3. Values of trophic guilds in all the samples. Abbreviations: Vill-1, Villaricos (site) artificial substrate (type). Vill-2, Villaricos (site) natural substrate (type). Cal-1, Calpe (site) artificial substrate (type). Cal-2, Calpe (site) natural substrate (type). SD, standard deviation.

	Vill-1.1	**Vill-1.2**	**Vill-1.3**	**Vill-1.4**	**Vill-2.1**	**Vill-2.2**	**Vill-2.3**	**Vill-2.4**
Carnivores	12.310	13.360	11.590	10.530	0.000	0.290	0.690	0.700
Detritivores	57.690	49.770	62.230	65.550	29.510	38.040	25.000	30.770
Herbivores	30.000	36.870	26.180	23.920	70.490	61.670	74.310	68.530
	Cal-1.1	**Cal-1.2**	**Cal-1.3**	**Cal-1.4**	**Cal-2.1**	**Cal-2.2**	**Cal-2.3**	**Cal-2.4**
Carnivores	18.750	1.820	9.630	25.450	6.020	0.000	4.760	5.210
Detritivores	70.830	37.270	85.930	47.270	47.410	66.410	61.220	60.420
Herbivores	10.420	60.910	4.440	27.280	46.550	33.590	34.020	34.370
	MEAN	**SD**						
Carnivores	7.569	7.487						
Detritivores	52.208	17.000						
Herbivores	40.222	21.352						