

Mediterranean Marine Science

Vol 22, No 3 (2021)

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doi: [10.12681/mms.26136](https://doi.org/10.12681/mms.26136)

To cite this article:

PITACCO, V., CHATZIGEORGIOU, G., MIKAC, B., & LIPEJ, L. (2021). Ecological patterns of polychaete assemblages associated with the Mediterranean stony coral *Cladocora caespitosa* (Linnaeus, 1767): a comparison of sites in two biogeographic zones (Adriatic and Aegean Sea). *Mediterranean Marine Science*, 22(3), 532–551. <https://doi.org/10.12681/mms.26136>

Ecological patterns of polychaete assemblages associated with the Mediterranean stony coral *Cladocora caespitosa* (Linnaeus, 1767): a comparison of sites in two biogeographic zones (Adriatic and Aegean Sea)

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Mediterranean Marine Science, 2021, 22 (3)

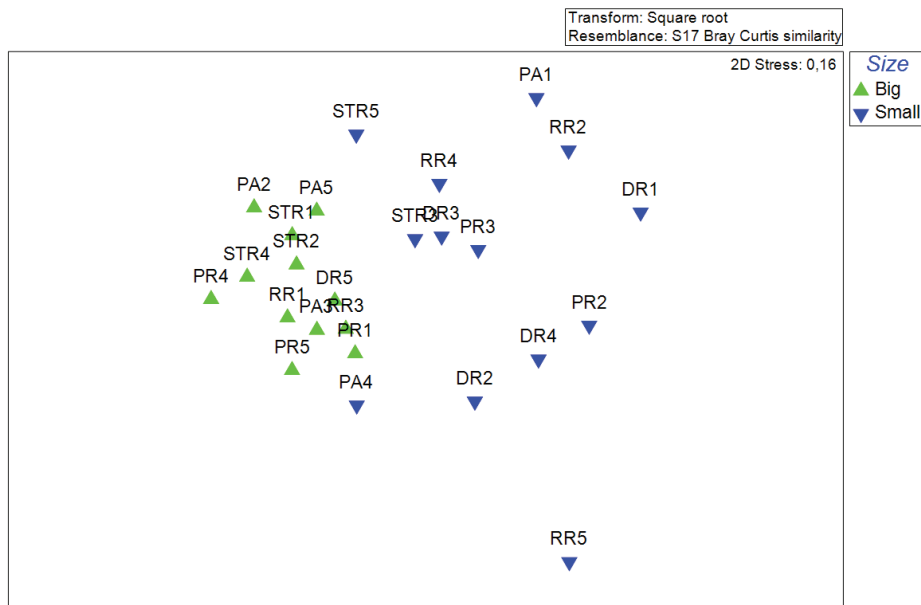


Fig. S1: Non-metric MDS ordination plot, based on species abundance data, comparing structure of polychaete assemblages between samples with different colony size from the Adriatic Sea.

Table S1. Taxonomic list with feeding guilds (TG) and biogeography groups assigned, and mean abundance and standard error (SE) of each taxa at the two sites in the Aegean (PIR, VOU) and the five sites in the Adriatic (RR, PR, STR, PA, DR). ** - species complex; * - species with unresolved taxonomic/distribution status in the Mediterranean. HMJ = herbivore motile jawed, BMX = burrowing motile non-jawed, BSX = burrowing sessile non-jawed, CMJ = carnivore motile jawed, CMX = carnivore motile non-jawed, CDJ = carnivore discretely motile jawed, FST = filter-feeders sessile tentaculate, FSP = filter-feeders sessile pumping, SMJ = surface deposit feeders motile jawed, SMT = surface deposit feeders motile tentaculate, SDT = surface deposit feeding, discretely motile tentaculate, SST = surface deposit feeding sessile tentaculate; aa = amphi-Atlantic, am = Atlantic-Mediterranean, amr = Atlantic-Mediterranean and Red Sea, amp = Atlantic-Mediterranean and Pacific, amrip = Atlantic-Mediterranean, Red Sea and Indo-Pacific, c = cosmopolitan, d = disjunct distribution, iam = Indo-Atlanto-Mediterranean, m = endemic Mediterranean, mrip = Mediterranean, Red Sea and Indo-Pacific.

	TG	BG	PIR		VOU		RR		PR	
			Mean	SE	Mean	SE	Mean	SE	Mean	SE
ACROCIRRIDAE										
<i>Acrocirrus frontifilis</i> (Grube, 1860)	SMT	amip	0.43	0.28	0.00	0.00	0.00	0.00	0.00	0.00
APHRODITIDAE										
<i>Pontogenia chrysocoma</i> (Baird, 1865)	SDT	am	0.29	0.17	0.14	0.13	0.00	0.00	0.00	0.00
CAPITELLIDAE										
<i>Dasybranchus caducus</i> (Grube, 1846)	BMX	c	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.18
<i>Dasybranchus gajolae</i> Eisig, 1887	BMX	am	1.29	0.83	0.14	0.13	0.00	0.00	0.00	0.00
* <i>Heteromastus filiformis</i> (Claparède, 1864)	FST	c	0.29	0.17	0.00	0.00	0.00	0.00	0.00	0.00
<i>Leiochrides australis</i> Augener, 1914	SDT	d	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.36
<i>Notomastus latericeus</i> Sars, 1851	CMX	am	11.29	3.74	0.86	0.65	7.60	3.01	39.00	22.07
<i>Pseudoleiocardia fauveli</i> Harmelin, 1964	BMX	m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHAETOPTERIDAE										
Chaetopteridae	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHRYSOPETALIDAE										
<i>Arichlidon reysii</i> (Katzmann, Laubier & Ramos, 1974)	CMX	m	0.86	0.31	0.14	0.13	0.00	0.00	0.00	0.00
<i>Paleanotus chrysolepis</i> Schmarda, 1861	CDJ	c	0.00	0.00	0.00	0.00	1.00	0.69	0.00	0.00
CIRRATULIDAE										
<i>Aphelochaeta filiformis</i> (Keferstein, 1862)	SMT	am	0.00	0.00	0.00	0.00	0.60	0.36	0.20	0.18
<i>Caulleriella</i> sp.	SMT	NA	0.00	0.00	0.00	0.00	0.20	0.18	0.00	0.00
<i>Cirratulus cirratus</i> (O. F. Müller, 1776)	SMT	am	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Cirriformia tentaculata</i> (Montagu, 1808)	SMT	amip	0.43	0.28	0.14	0.13	1.20	0.52	4.00	1.92
<i>Dodecaceria concharum</i> Örsted, 1843	CMJ/ HMJ	amip	0.57	0.53	0.86	0.37	2.60	0.96	12.40	4.98
<i>Timarete filigera</i> (Delle Chiaje, 1828)	SMT	m	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.18
DORVILLEIDAE										
<i>Dorvillea rubrovittata</i> (Grube, 1855)	CMJ/ HMJ	am	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Dorvillea</i> sp.	BSX	NA	0.00	0.00	0.00	0.00	0.40	0.22	2.00	1.39
<i>Schistomeringos rudolphi</i> (Delle Chiaje, 1828)	CMJ/ HMJ	am	0.00	0.00	0.14	0.13	0.00	0.00	0.00	0.00
EUNICIDAE										
<i>Eunice schizobranchia</i> Claparède, 1870	CDJ	am	0.00	0.00	0.00	0.00	0.20	0.18	1.40	1.04
<i>Eunice</i> sp.	CMJ	NA	0.43	0.40	0.29	0.17	0.00	0.00	0.40	0.36
<i>Eunice vittata</i> (Delle Chiaje, 1828)	CMX	c	0.71	0.39	2.57	0.99	8.20	2.97	29.00	9.16

Table S1 continued

	TG	BG	PIR		VOU		RR		PR	
			Mean	SE	Mean	SE	Mean	SE	Mean	SE
<i>Leodice torquata</i> (Quatrefages, 1866)	CMJ	amrip	2.00	0.97	0.00	0.00	1.00	0.28	11.40	4.07
<i>Lysidice collaris</i> Grube, 1870	CDJ	NA	0.00	0.00	0.00	0.00	0.20	0.18	0.00	0.00
** <i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	CMJ	c	2.14	0.62	1.29	0.39	4.20	1.48	7.80	2.79
<i>Lysidice unicornis</i> (Grube, 1840)	BSX	c	0.43	0.19	0.29	0.26	1.60	0.61	7.80	3.28
<i>Palola siciliensis</i> (Grube, 1840)	CMJ	amrip	0.14	0.13	0.43	0.28	0.60	0.36	2.00	0.75
<i>Paucibranchia fallax</i> (Marion & Bo- bretzky, 1875)	CDJ	amip	0.14	0.13	0.14	0.13	0.20	0.18	0.80	0.44
EUPHROSINIDAE										
<i>Euphrosine foliosa</i> Audouin & H Milne Edwards, 1833	SST	amrip	0.57	0.19	0.29	0.26	0.20	0.18	0.00	0.00
FLABELLIGERIIDAE										
<i>Flabelliderma cinari</i> Karhan, Simboura & Salazar-Vallejo, 2012	CDJ	m	0.00	0.00	0.00	0.00	1.00	0.40	0.00	0.00
<i>Pherusa</i> sp.	CMX	am	0.14	0.13	0.00	0.00	0.00	0.00	0.00	0.00
<i>Piromis eruca</i> (Claparède, 1869)	FST	am	0.29	0.26	0.29	0.26	0.00	0.00	0.00	0.00
GLYCERIDAE										
<i>Glycera alba</i> (O.F. Müller, 1776)	CDJ	c	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.18
<i>Glycera tessellata</i> Grube, 1863	CDJ	c	0.00	0.00	0.14	0.13	0.20	0.18	0.00	0.00
GONIADIDAE										
<i>Goniada maculata</i> Örsted, 1843	CMJ	amip	0.00	0.00	0.14	0.13	0.00	0.00	0.00	0.00
HESIONIDAE										
<i>Gyptis</i> sp.	CMJ	NA	0.00	0.00	0.00	0.00	0.20	0.18	0.00	0.00
<i>Leocrates claparedii</i> (Costa in Clapa- rède, 1868)	CMJ	c	0.29	0.26	0.14	0.13	0.00	0.00	0.20	0.18
<i>Psamathe fusca</i> Johnston, 1836	SDT	c	7.43	1.79	3.86	0.74	0.00	0.00	0.00	0.00
<i>Syllidia armata</i> Quatrefages, 1866	CMJ	amrip	0.14	0.13	0.29	0.26	0.00	0.00	0.00	0.00
LUMBRINERIDAE										
* <i>Lumbrineris coccinea</i> (Renier, 1804)	CMJ	c	2.14	0.74	0.86	0.51	1.20	0.52	6.80	2.78
<i>Lumbrineris gracilis</i> (Ehlers, 1868) following Fauvel, 1927	CDJ	am	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
* <i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	CDJ	c	2.43	0.97	1.00	0.29	1.20	0.66	3.40	1.08
<i>Scoletoma fragilis</i> (O.F. Müller, 1776)	CDJ	am	0.14	0.13	0.86	0.51	0.00	0.00	1.00	0.40
<i>Scoletoma funchalensis</i> (Kinberg, 1865)	CDJ	am	2.29	1.21	0.43	0.28	0.80	0.33	1.80	1.07
<i>Scoletoma impatiens</i> (Claparède, 1868)	HMJ	amr	0.00	0.00	0.00	0.00	0.80	0.44	2.00	0.94
MALDANIDAE										
<i>Euchymene oerstedii</i> (Claparède, 1863)	CMX	amip	0.43	0.40	0.00	0.00	0.00	0.00	0.00	0.00
Maldanidae	CMJ	NA	0.00	0.00	0.00	0.00	0.60	0.22	0.00	0.00
<i>Petaloproctus terricolus</i> Quatrefages, 1866	SDT	am	0.14	0.13	0.00	0.00	0.00	0.00	0.00	0.00
NEREIDIDAE										
<i>Ceratonereis costae</i> (Grube, 1840)	CDJ	c	1.86	1.00	12.00	3.28	10.20	6.11	17.80	7.55
<i>Nereis rava</i> Ehlers, 1868	CDJ	am	0.71	0.52	0.57	0.28	8.40	3.69	9.00	3.86
<i>Nereis</i> sp.	CDJ	NA	0.00	0.00	0.00	0.00	3.80	1.07	3.40	1.49
<i>Nereis zonata</i> Malmgren, 1867	SDT	c	0.29	0.17	0.71	0.33	0.00	0.00	0.00	0.00

Continued

Table S1 continued

	TG	BG	PIR		VOU		RR		PR	
			Mean	SE	Mean	SE	Mean	SE	Mean	SE
** <i>Perinereis cultrifera</i> (Grube, 1840)	BSX	c	0.43	0.40	0.00	0.00	0.00	0.00	0.00	0.00
NEPHTYDAE										
<i>Nephtys</i> sp.	CDJ	NA	0.00	0.00	0.29	0.17	0.00	0.00	0.00	0.00
OENINIDAE										
** <i>Arabella geniculata</i> (Claparède, 1868)	BMJ	am	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Arabella iricolor</i> (Montagu, 1804)	CMJ	c	1.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00
ORBINIIDAE										
<i>Naineris laevigata</i> (Grube, 1855)	SST	c	0.43	0.19	0.14	0.13	0.00	0.00	0.00	0.00
PHYLLODOCIDAE										
<i>Eulalia viridis</i> (Linnaeus, 1767)	CMX	amr	0.14	0.13	0.00	0.00	0.00	0.00	0.00	0.00
<i>Eumida sanguinea</i> (Örsted, 1843)	CDJ	d	0.14	0.13	0.00	0.00	0.00	0.00	0.00	0.00
<i>Notophyllum</i> sp.	CMX	NA	0.00	0.00	0.29	0.26	0.00	0.00	0.00	0.00
<i>Phyllodoce longipes</i> Kinberg, 1866	CMX	d	0.00	0.00	0.00	0.00	1.60	1.43	0.00	0.00
** <i>Phyllodoce madeirensis</i> Langerhans, 1880	CMX	c	0.00	0.00	0.00	0.00	3.00	1.50	3.60	0.88
<i>Phyllodoce</i> sp.	CMJ	NA	0.86	0.43	0.14	0.13	0.00	0.00	0.00	0.00
<i>Pterocirrus macroceros</i> (Grube, 1860)	CMX	d	0.14	0.13	0.00	0.00	0.80	0.52	0.40	0.36
PILARGIDAE										
Pilargidae	FST	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLYNOIDAE										
<i>Harmothoe antilopes</i> McIntosh, 1876	CMJ	am	0.29	0.17	0.71	0.44	0.00	0.00	0.00	0.00
<i>Harmothoe areolata</i> (Grube, 1860)	CMJ	am	0.86	0.51	1.00	0.61	2.00	0.94	1.20	0.72
<i>Harmothoe extenuata</i> (Grube, 1840)	CMJ	amp	0.00	0.00	0.00	0.00	2.80	1.04	9.80	3.36
<i>Harmothoe fragilis</i> Moore, 1910	CMJ	amp	0.00	0.00	0.00	0.00	1.60	1.22	0.20	0.18
<i>Harmothoe gilchristi</i> Day, 1960	CMJ	amr	0.00	0.00	0.00	0.00	0.60	0.36	2.00	0.75
<i>Harmothoe impar</i> (Johnston, 1839)	CMJ	am	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Harmothoe spinifera</i> (Ehlers, 1864)	BMX	am	4.14	0.74	2.86	0.65	0.60	0.36	3.20	1.75
<i>Lepidasthenia elegans</i> (Grube, 1840)	CMJ	amrip	0.00	0.00	0.14	0.13	0.00	0.00	0.00	0.00
<i>Lepidonotus clava</i> (Montagu, 1808)	CDJ	amrip	3.14	0.55	2.00	0.67	0.00	0.00	0.20	0.18
<i>Polynoe scolopendrina</i> Savigny, 1822	CMJ	amrip	0.00	0.00	0.00	0.00	2.20	0.82	1.40	0.83
Polynoidae	CMJ	NA	0.00	0.00	0.00	0.00	0.60	0.54	0.60	0.54
SABELLARIIDAE										
<i>Sabellaria</i> sp.	FST	NA	0.00	0.00	0.00	0.00	0.40	0.22	3.00	2.04
<i>Sabellaria spinulosa</i> (Leuckart, 1849)	FST	am	1.00	0.53	0.14	0.13	0.00	0.00	0.00	0.00
SABELLIDAE										
<i>Amphiglena mediterranea</i> (Leydig, 1851)	FST	d	0.29	0.17	0.29	0.17	0.00	0.00	0.00	0.00
<i>Branchiomma bombyx</i> (Dalyell, 1853)	FST	c	0.86	0.51	0.00	0.00	0.00	0.00	0.00	0.00
<i>Branchiomma</i> sp.	FST	NA	0.00	0.00	0.14	0.13	0.00	0.00	0.00	0.00
Sabellidae	FST	NA	0.00	0.00	0.00	0.00	0.60	0.22	0.20	0.18
<i>Parasabellia langerhansi</i> (Knight-Jones, 1983)	FST	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.18
<i>Parasabellia saxicola</i> (Grube, 1861)	FST	NA	1.57	0.57	1.00	0.53	0.00	0.00	0.00	0.00
<i>Parasabellia tommasi</i> (Giangrande, 1994)	CDJ	NA	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.57

Continued

Table S1 continued

	TG	BG	PIR		VOU		RR		PR	
			Mean	SE	Mean	SE	Mean	SE	Mean	SE
<i>Pseudopotamilla reniformis</i> (Bruguère, 1789)	FST	c	14.29	8.15	4.14	2.63	0.00	0.00	0.00	0.00
<i>Pseudopotamilla</i> sp.	FST	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.18
<i>Sabella spallanzanii</i> (Gmelin, 1791)	FST	amip	0.14	0.13	0.00	0.00	0.00	0.00	0.00	0.00
SCALIBREGMATIDAE										
<i>Sclerocheilus minutus</i> Grube, 1863	BMX	am	3.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00
SERPULIDAE										
* <i>Ditrupa arietina</i> (O. F. Müller, 1776)	SST	c	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Hydroides pseudouncinata pseudouncinata</i> Zibrowius, 1968	FST	am	22.86	9.49	10.71	3.51	0.20	0.18	0.60	0.54
<i>Janua</i> sp.	BMX	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Pileolaria militaris</i> Claparède, 1870	SDT	c	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Placostegus crystallinus</i> sensu Zibrowius, 1968	SDT	m	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Protula</i> sp.	FST	c	0.00	0.00	1.14	0.51	0.00	0.00	0.00	0.00
<i>Serpula concharum</i> Langerhans, 1880	FST	am	1.71	0.66	2.57	1.54	11.00	5.09	10.80	3.13
<i>Serpula</i> sp.	FST	NA	0.00	0.00	0.00	0.00	0.20	0.18	0.20	0.18
<i>Serpula vermicularis</i> Linnaeus, 1767	FST	c	12.71	6.12	2.71	0.69	1.20	0.87	0.20	0.18
<i>Simplaria pseudomilitaris</i> (Thiriot-Quievreux, 1965)	FST	c	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Spirobranchus lamarcki</i> (Quatrefages, 1866)	FST	am	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Spirobranchus polytrema</i> (Philippi, 1844)	FST	am	10.57	3.36	5.14	3.44	0.00	0.00	0.00	0.00
<i>Spirobranchus triqueter</i> (Linnaeus, 1758)	FST	amr	0.43	0.40	1.57	0.92	10.20	5.00	2.80	1.45
<i>Vermiliopsis infundibulum</i> (Philippi, 1844)	FST	c	13.29	5.44	8.29	2.07	0.00	0.00	0.40	0.22
<i>Vermiliopsis labiata</i> (O. G. Costa, 1861)	FST	amrip	0.43	0.28	0.00	0.00	0.00	0.00	0.00	0.00
<i>Vermiliopsis striaticeps</i> (Grube, 1862)	FST	am	12.71	4.26	8.43	3.96	3.00	1.47	3.60	2.15
SPIONIDAE										
<i>Scolelepis</i> sp.	SDT	NA	0.43	0.19	0.14	0.13	0.00	0.00	0.00	0.00
<i>Prionospio</i> sp.	CMJ	NA	0.00	0.00	0.14	0.13	0.00	0.00	0.00	0.00
Spionidae	SDT	NA	0.00	0.00	0.00	0.00	1.20	0.72	0.80	0.33
SYLLIDAE										
<i>Branchiosyllis exilis</i> (Gravier, 1900)	CMJ	mrip	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Brania pusilla</i> (Dujardin, 1851)	HMJ	amrip	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Eurysyllis tuberculata</i> Ehlers, 1864	CMJ	amr	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.36
<i>Eusyllis</i> sp.	HMJ	NA	0.00	0.00	0.14	0.13	0.00	0.00	0.00	0.00
<i>Exogone dispar</i> (Webster, 1879)	HMJ	c	0.00	0.00	0.00	0.00	0.20	0.18	1.40	0.22
* <i>Exogone naidina</i> Örsted, 1845	HMJ	c	0.00	0.00	0.00	0.00	0.20	0.18	0.00	0.00
<i>Exogone rostrata</i> Naville, 1933	SDT	m	0.00	0.00	0.00	0.00	0.20	0.18	0.00	0.00
** <i>Haplosyllis spongicola</i> (Grube, 1855)	CMJ	c	1.86	0.87	2.71	0.98	1.40	0.46	1.00	0.89
<i>Myrianida</i> sp.	CDJ	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.54

Continued

Table S1 continued

	TG	BG	PIR		VOU		RR		PR	
			Mean	SE	Mean	SE	Mean	SE	Mean	SE
<i>Paraehlersia ferrugina</i> (Langerhans, 1881)	FST	c	0.00	0.00	0.00	0.00	0.40	0.22	0.20	0.18
<i>Proceraea</i> sp.	FST	NA	0.57	0.34	1.14	0.51	0.00	0.00	0.00	0.00
* <i>Salvatoria clavata</i> (Claparède, 1863)	HMJ	c	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sphaerosyllis pirifera</i> Claparède, 1868	CMJ	am	0.14	0.13	0.14	0.13	0.00	0.00	0.00	0.00
<i>Sphaerosyllis</i> sp.	NA	NA	0.00	0.00	0.14	0.13	0.00	0.00	0.00	0.00
<i>Syllides fulvus</i> (Marion & Bobretzky, 1875)	CMJ	iam	0.00	0.00	0.00	0.00	0.20	0.18	0.00	0.00
** <i>Syllis alternata</i> Moore, 1908	CMJ	c	0.00	0.00	0.00	0.00	3.00	1.33	1.00	0.57
* <i>Syllis armillaris</i> (O.F. Müller, 1776)	CMJ	c	0.00	0.00	0.00	0.00	0.60	0.36	1.20	0.87
<i>Syllis beneliahuae</i> (Campoy & Alquézar, 1982)	CMJ	d	0.00	0.00	0.00	0.00	0.20	0.18	0.60	0.22
<i>Syllis columbretensis</i> (Campoy, 1982)	CMJ	am	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Syllis corallicola</i> Verrill, 1900	CMJ	aa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Syllis ferrani</i> Alós & San Martín, 1987	CMJ	m	0.00	0.00	0.00	0.00	4.60	2.11	12.00	6.22
<i>Syllis gerlachi</i> (Hartmann-Schröder, 1960)	CMJ	c	0.00	0.00	0.00	0.00	1.00	0.28	3.20	2.64
<i>Syllis gerundensis</i> (Alós & Campoy, 1981)	CMJ	m	0.00	0.00	0.00	0.00	1.40	1.04	4.80	2.76
** <i>Syllis gracilis</i> Grube, 1840	CMJ	c	2.57	1.54	1.00	0.40	1.00	0.69	0.20	0.18
<i>Syllis hyalina</i> Grube, 1863	CMJ	c	3.57	1.86	6.00	2.42	0.00	0.00	0.00	0.00
<i>Syllis krohnii</i> Ehlers, 1864	CMJ	d	0.43	0.28	0.00	0.00	0.00	0.00	0.20	0.18
<i>Syllis prolifera</i> Krohn, 1852	CMJ	c	0.57	0.40	1.00	0.53	1.60	0.46	0.00	0.00
<i>Syllis variegata</i> Grube, 1860	CMJ	c	3.29	1.40	0.57	0.40	15.40	5.06	12.20	2.86
* <i>Trypanosyllis aeolis</i> Langerhans, 1879	CMJ	c	0.00	0.00	0.00	0.00	0.20	0.18	0.00	0.00
<i>Trypanosyllis coeliaca</i> Claparède, 1868	CMJ	am	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Trypanosyllis zebra</i> (Grube, 1860)	CMJ	c	2.00	1.21	0.57	0.34	1.20	0.52	2.40	1.15
<i>Xenosyllis scabra</i> (Ehlers, 1864)	CMJ	aa	0.00	0.00	0.00	0.00	0.20	0.18	0.20	0.18
TEREBELLIDAE										
<i>Amphitrite cirrata</i> Müller, 1776	SST	am	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.54
<i>Amphitrite</i> sp.	SST	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Amphitrite variabilis</i> (Risso, 1826)	SST	m	0.29	0.26	0.43	0.28	0.00	0.00	0.00	0.00
<i>Eupolymnia nebulosa</i> (Montagu, 1819)	SST	amrip	0.00	0.00	0.14	0.13	0.00	0.00	0.00	0.00
<i>Eupolymnia nesidensis</i> (Delle Chiaje, 1828)	CMJ	am	0.00	0.00	0.43	0.28	0.00	0.00	0.00	0.00
<i>Neoamphitrite affinis</i> (Malmgren, 1866)	CMJ	am	0.43	0.19	0.00	0.00	0.00	0.00	0.00	0.00
<i>Nicolea venustula</i> (Montagu, 1819)	BMX	am	1.43	1.03	0.14	0.13	0.20	0.18	0.20	0.18
<i>Polycirrus aurantiacus</i> Grube, 1860	CMJ	am	2.00	0.73	3.43	1.32	0.00	0.00	0.00	0.00
<i>Streblosoma</i> sp.	SST	NA	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.18
<i>Terebella lapidaria</i> Linnaeus, 1767	SST	amr	1.14	0.51	0.43	0.40	0.00	0.00	0.20	0.18
Terebellidae	SST	NA	0.00	0.00	0.00	0.00	15.40	5.36	24.20	6.91
<i>Thelepus setosus</i> (Quatrefages, 1866)	SST	amrip	0.00	0.00	0.29	0.17	0.00	0.00	0.00	0.00
TRICHOBRANCHIDAE										
<i>Trichobranchus glacialis</i> Malmgren, 1866	SST	am	0.14	0.13	0.14	0.13	0.00	0.00	0.00	0.00

Continued

Table S1 continued

	TG	BG	STR		PA		DR	
			Mean	SE	Mean	SE	Mean	SE
ACROCIRRIDAE								
<i>Acrocirrus frontifilis</i> (Grube, 1860)	SMT	amip	0.00	0.00	0.00	0.00	0.00	0.00
APHRODITIDAE								
<i>Pontogenia chrysocoma</i> (Baird, 1865)	SDT	am	0.00	0.00	0.00	0.00	0.00	0.00
CAPITELLIDAE								
<i>Dasybranchus caducus</i> (Grube, 1846)	BMX	c	0.00	0.00	1.00	0.57	0.20	0.18
<i>Dasybranchus gajolae</i> Eisig, 1887	BMX	am	0.00	0.00	0.00	0.00	0.00	0.00
* <i>Heteromastus filiformis</i> (Claparède, 1864)	FST	c	0.00	0.00	0.00	0.00	0.00	0.00
<i>Leiochrides australis</i> Augener, 1914	SDT	d	0.60	0.36	1.40	0.88	0.00	0.00
<i>Notomastus latericeus</i> Sars, 1851	CMX	am	15.40	5.09	14.20	3.74	10.60	6.80
<i>Pseudoleiocapitella fauveli</i> Harmelin, 1964	BMX	m	1.80	0.77	4.00	1.98	0.20	0.18
CHAETOPTERIDAE								
Chaetopteridae	NA	NA	0.00	0.00	0.60	0.54	0.00	0.00
CHRYSOPETALIDAE								
<i>Arichlidon reyssi</i> (Katzmann, Laubier & Ramos, 1974)	CMX	m	0.00	0.00	0.00	0.00	0.00	0.00
<i>Paleanotus chrysolepis</i> Schmarada, 1861	CDJ	c	0.40	0.22	0.40	0.22	0.20	0.18
CIRRATULIDAE								
<i>Aphelochaeta filiformis</i> (Keferstein, 1862)	SMT	am	0.00	0.00	0.40	0.22	0.40	0.36
<i>Caulleriella</i> sp.	SMT	NA	1.00	0.28	0.20	0.18	0.40	0.36
<i>Cirratulus cirratus</i> (O. F. Müller, 1776)	SMT	am	1.00	0.49	0.40	0.36	0.00	0.00
<i>Cirriformia tentaculata</i> (Montagu, 1808)	SMT	amip	3.60	0.83	1.00	0.40	2.20	1.04
<i>Dodecaceria concharum</i> Örsted, 1843	CMJ/ HMJ	amip	3.40	1.19	3.60	1.04	3.60	0.83
<i>Timarete filigera</i> (Delle Chiaje, 1828)	SMT	m	0.80	0.52	0.00	0.00	0.00	0.00
DORVILLEIDAE								
<i>Dorvillea rubrovittata</i> (Grube, 1855)	CMJ/ HMJ	am	0.00	0.00	0.00	0.00	0.00	0.00
<i>Dorvillea</i> sp.	BSX	NA	1.00	0.28	0.80	0.44	0.60	0.54
<i>Schistomeringos rudolphi</i> (Delle Chiaje, 1828)	CMJ/ HMJ	am	0.00	0.00	0.00	0.00	0.00	0.00
EUNICIDAE								
<i>Eunice schizobranchia</i> Claparède, 1870	CDJ	am	0.20	0.18	0.00	0.00	0.00	0.00
<i>Eunice</i> sp.	CMJ	NA	0.80	0.33	0.40	0.36	0.00	0.00
<i>Eunice vittata</i> (Delle Chiaje, 1828)	CMX	c	7.60	2.11	20.80	6.26	3.80	1.58
<i>Leodice torquata</i> (Quatrefages, 1866)	CMJ	amrip	6.00	1.67	2.80	0.87	3.00	0.75
<i>Lysidice collaris</i> Grube, 1870	CDJ	NA	9.60	2.79	0.20	0.18	0.20	0.18
** <i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	CMJ	c	28.60	5.10	15.20	3.55	8.60	2.48
<i>Lysidice unicornis</i> (Grube, 1840)	BSX	c	10.40	1.93	6.60	1.59	2.80	1.43
<i>Palola siciliensis</i> (Grube, 1840)	CMJ	amrip	4.00	0.63	0.60	0.22	0.80	0.33
<i>Paucibranchia fallax</i> (Marion & Bobretzky, 1875)	CDJ	amip	0.20	0.18	0.00	0.00	0.40	0.22

Continued

Table S1 continued

	TG	BG	STR		PA		DR	
			Mean	SE	Mean	SE	Mean	SE
EUPHROSINIDAE								
<i>Euphrosine foliosa</i> Audouin & H Milne Edwards, 1833	SST	amrip	0.00	0.00	0.00	0.00	0.40	0.36
FLABELLIGERIIDAE								
<i>Flabelliderma cinari</i> Karhan, Simboura & Salazar-Vallejo, 2012	CDJ	m	0.20	0.18	0.60	0.36	0.40	0.22
<i>Pherusa</i> sp.	CMX	am	0.00	0.00	0.00	0.00	0.00	0.00
<i>Piromis eruca</i> (Claparède, 1869)	FST	am	0.00	0.00	0.00	0.00	0.00	0.00
GLYCERIDAE								
<i>Glycera alba</i> (O.F. Müller, 1776)	CDJ	c	0.00	0.00	0.20	0.18	0.00	0.00
<i>Glycera tessellata</i> Grube, 1863	CDJ	c	0.00	0.00	0.00	0.00	0.00	0.00
GONIADIDAE								
<i>Goniada maculata</i> Örsted, 1843	CMJ	amip	0.00	0.00	0.00	0.00	0.00	0.00
HESIONIDAE								
<i>Gyptis</i> sp.	CMJ	NA	0.60	0.36	1.20	0.44	0.60	0.36
<i>Leocrates claparedii</i> (Costa in Claparède, 1868)	CMJ	c	1.20	1.07	0.00	0.00	0.00	0.00
<i>Psamathe fusca</i> Johnston, 1836	SDT	c	0.00	0.00	0.00	0.00	0.00	0.00
<i>Syllidia armata</i> Quatrefages, 1866	CMJ	amrip	0.00	0.00	0.00	0.00	0.00	0.00
LUMBRINERIDAE								
* <i>Lumbrineris coccinea</i> (Renier, 1804)	CMJ	c	4.60	2.01	1.20	0.44	0.40	0.22
<i>Lumbrineris gracilis</i> (Ehlers, 1868) following Fauvel, 1927	CDJ	am	0.00	0.00	0.00	0.00	0.20	0.18
* <i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	CDJ	c	0.80	0.52	2.80	1.11	1.60	0.83
<i>Scoletoma fragilis</i> (O.F. Müller, 1776)	CDJ	am	0.00	0.00	0.00	0.00	0.20	0.18
<i>Scoletoma funchalensis</i> (Kinberg, 1865)	CDJ	am	0.00	0.00	0.20	0.18	0.60	0.36
<i>Scoletoma impatiens</i> (Claparède, 1868)	HMJ	amr	2.60	0.46	1.20	0.87	0.60	0.22
MALDANIDAE								
<i>Euchlymene oerstedii</i> (Claparède, 1863)	CMX	amip	0.00	0.00	0.00	0.00	0.00	0.00
Maldanidae	CMJ	NA	0.40	0.22	1.40	1.04	0.40	0.22
<i>Petaloproctus terricolus</i> Quatrefages, 1866	SDT	am	0.00	0.00	0.00	0.00	0.00	0.00
NEREIDIDAE								
<i>Ceratonereis costae</i> (Grube, 1840)	CDJ	c	19.80	4.01	0.80	0.52	23.60	6.28
<i>Nereis rava</i> Ehlers, 1868	CDJ	am	6.00	1.85	18.80	8.79	3.20	1.21
<i>Nereis</i> sp.	CDJ	NA	6.80	3.74	5.00	2.08	1.80	1.00
<i>Nereis zonata</i> Malmgren, 1867	SDT	c	0.00	0.00	0.00	0.00	0.00	0.00
** <i>Perinereis cultrifera</i> (Grube, 1840)	BSX	c	5.00	2.83	0.00	0.00	0.00	0.00
NEPHTYDAE								
<i>Nephtys</i> sp.	CDJ	NA	0.00	0.00	0.00	0.00	0.00	0.00
OENINIDAE								
** <i>Arabella geniculata</i> (Claparède, 1868)	BMJ	am	0.00	0.00	0.00	0.00	0.20	0.18
<i>Arabella iricolor</i> (Montagu, 1804)	CMJ	c	0.00	0.00	0.00	0.00	0.00	0.00
ORBINIIDAE								
<i>Naineris laevigata</i> (Grube, 1855)	SST	c	0.00	0.00	0.00	0.00	0.00	0.00

Continued

Table S1 continued

	TG	BG	STR		PA		DR	
			Mean	SE	Mean	SE	Mean	SE
PHYLLODOCIDAE								
<i>Eulalia viridis</i> (Linnaeus, 1767)	CMX	amr	0.00	0.00	0.00	0.00	0.00	0.00
<i>Eumida sanguinea</i> (Örsted, 1843)	CDJ	d	0.00	0.00	0.00	0.00	0.00	0.00
<i>Notophyllum</i> sp.	CMX	NA	0.00	0.00	0.00	0.00	0.00	0.00
<i>Phyllodoce longipes</i> Kinberg, 1866	CMX	d	0.00	0.00	0.00	0.00	0.00	0.00
** <i>Phyllodoce madeirensis</i> Langerhans, 1880	CMX	c	4.80	1.84	3.00	1.50	2.60	1.28
<i>Phyllodoce</i> sp.	CMJ	NA	0.00	0.00	0.00	0.00	0.00	0.00
<i>Pterocirrus macroceros</i> (Grube, 1860)	CMX	d	1.20	1.07	1.00	0.69	0.00	0.00
PILARGIDAE								
Pilargidae	FST	NA	0.20	0.18	0.00	0.00	0.00	0.00
POLYNOIDAE								
<i>Harmothoe antilopes</i> McIntosh, 1876	CMJ	am	0.00	0.00	0.00	0.00	0.00	0.00
<i>Harmothoe areolata</i> (Grube, 1860)	CMJ	am	4.60	1.04	0.80	0.33	0.20	0.18
<i>Harmothoe extenuata</i> (Grube, 1840)	CMJ	amp	2.80	0.95	1.00	0.40	5.20	1.91
<i>Harmothoe fragilis</i> Moore, 1910	CMJ	amp	0.00	0.00	1.00	0.57	0.20	0.18
<i>Harmothoe gilchristi</i> Day, 1960	CMJ	amr	0.80	0.44	0.00	0.00	0.00	0.00
<i>Harmothoe impar</i> (Johnston, 1839)	CMJ	am	0.00	0.00	0.00	0.00	0.00	0.00
<i>Harmothoe spinifera</i> (Ehlers, 1864)	BMX	am	2.60	1.00	1.80	1.61	0.40	0.36
<i>Lepidasthenia elegans</i> (Grube, 1840)	CMJ	amrip	0.00	0.00	0.00	0.00	0.00	0.00
<i>Lepidonotus clava</i> (Montagu, 1808)	CDJ	amrip	1.60	0.22	0.00	0.00	0.00	0.00
<i>Polynoe scolopendrina</i> Savigny, 1822	CMJ	amrip	1.40	0.67	0.80	0.52	0.40	0.36
Polynoidae	CMJ	NA	0.20	0.18	4.40	2.13	2.60	1.31
SABELLARIIDAE								
<i>Sabellaria</i> sp.	FST	NA	1.20	0.18	1.80	1.21	0.40	0.36
<i>Sabellaria spinulosa</i> (Leuckart, 1849)	FST	am	0.00	0.00	0.00	0.00	0.00	0.00
SABELLIDAE								
<i>Amphiglana mediterranea</i> (Leydig, 1851)	FST	d	0.00	0.00	0.00	0.00	0.00	0.00
<i>Branchiomma bombyx</i> (Dalyell, 1853)	FST	c	0.00	0.00	0.00	0.00	0.00	0.00
<i>Branchiomma</i> sp.	FST	NA	0.00	0.00	0.00	0.00	0.00	0.00
Sabellidae	FST	NA	1.40	0.46	1.00	0.69	0.20	0.18
<i>Parasabella langerhansi</i> (Knight-Jones, 1983)	FST	NA	0.00	0.00	0.00	0.00	0.20	0.18
<i>Parasabella saxicola</i> (Grube, 1861)	FST	NA	0.00	0.00	0.00	0.00	0.00	0.00
<i>Parasabella tommasi</i> (Giangrande, 1994)	CDJ	NA	0.00	0.00	0.00	0.00	0.20	0.18
<i>Pseudopotamilla reniformis</i> (Bruguère, 1789)	FST	c	0.00	0.00	0.00	0.00	0.00	0.00
<i>Pseudopotamilla</i> sp.	FST	NA	0.00	0.00	0.00	0.00	0.00	0.00
<i>Sabella spallanzanii</i> (Gmelin, 1791)	FST	amip	0.00	0.00	0.00	0.00	0.00	0.00
SCALIBREGMATIDAE								
<i>Sclerocheilus minutus</i> Grube, 1863	BMX	am	0.00	0.00	0.00	0.00	0.00	0.00
SERPULIDAE								
* <i>Ditrupa arietina</i> (O. F. Müller, 1776)	SST	c	0.00	0.00	0.00	0.00	0.00	0.00

Continued

Table S1 continued

	TG	BG	STR		PA		DR	
			Mean	SE	Mean	SE	Mean	SE
<i>Hydroides pseudouncinata pseudouncinata</i> Zibrowius, 1968	FST	am	1.60	0.54	1.40	0.83	1.40	0.46
<i>Janua</i> sp.	BMX	NA	0.00	0.00	0.00	0.00	0.00	0.00
<i>Pileolaria militaris</i> Claparède, 1870	SDT	c	0.00	0.00	0.00	0.00	0.00	0.00
<i>Placostegus crystallinus</i> sensu Zibrowius, 1968	SDT	m	0.00	0.00	0.00	0.00	0.00	0.00
<i>Protula</i> sp.	FST	c	0.00	0.00	0.00	0.00	0.00	0.00
<i>Serpula concharum</i> Langerhans, 1880	FST	am	31.60	17.80	17.20	6.00	23.00	8.33
<i>Serpula</i> sp.	FST	NA	0.60	0.36	0.40	0.36	0.40	0.36
<i>Serpula vermicularis</i> Linnaeus, 1767	FST	c	1.60	0.83	0.00	0.00	1.00	0.89
<i>Simplaria pseudomilitaris</i> (Thiriot-Quievreux, 1965)	FST	c	0.00	0.00	0.00	0.00	0.00	0.00
<i>Spirobranchus lamarcki</i> (Quatrefages, 1866)	FST	am	0.00	0.00	0.00	0.00	0.00	0.00
<i>Spirobranchus polytrema</i> (Philippi, 1844)	FST	am	0.00	0.00	0.00	0.00	0.00	0.00
<i>Spirobranchus triqueter</i> (Linnaeus, 1758)	FST	amr	5.00	2.48	12.60	3.82	1.60	0.61
<i>Vermiliopsis infundibulum</i> (Philippi, 1844)	FST	c	2.00	1.57	0.60	0.22	0.40	0.36
<i>Vermiliopsis labiata</i> (O. G. Costa, 1861)	FST	amrip	0.00	0.00	0.00	0.00	0.00	0.00
<i>Vermiliopsis striaticeps</i> (Grube, 1862)	FST	am	15.80	7.53	6.40	2.63	8.20	3.64
SPIONIDAE								
<i>Scolelepis</i> sp.	SDT	NA	0.00	0.00	0.00	0.00	0.00	0.00
<i>Prionospio</i> sp.	CMJ	NA	0.00	0.00	0.00	0.00	0.00	0.00
Spionidae	SDT	NA	1.00	0.69	4.20	2.49	0.20	0.18
SYLLIDAE								
<i>Branchiosyllis exilis</i> (Gravier, 1900)	CMJ	mrip	0.20	0.18	0.60	0.22	0.60	0.54
<i>Brania pusilla</i> (Dujardin, 1851)	HMJ	amrip	0.40	0.22	0.60	0.22	0.20	0.18
<i>Eurysyllis tuberculata</i> Ehlers, 1864	CMJ	amr	0.40	0.22	0.40	0.36	0.00	0.00
<i>Eusyllis</i> sp.	HMJ	NA	0.00	0.00	0.00	0.00	0.00	0.00
<i>Exogone dispar</i> (Webster, 1879)	HMJ	c	4.00	1.02	1.00	0.49	0.40	0.22
* <i>Exogone naidina</i> Örsted, 1845	HMJ	c	0.20	0.18	0.00	0.00	0.00	0.00
<i>Exogone rostrata</i> Naville, 1933	SDT	m	1.00	0.49	1.40	1.04	0.00	0.00
** <i>Haplosyllis spongicola</i> (Grube, 1855)	CMJ	c	5.20	1.58	1.80	0.72	0.80	0.33
<i>Myrianida</i> sp.	CDJ	NA	0.60	0.22	0.20	0.18	0.40	0.22
<i>Paraehlersia ferrugina</i> (Langerhans, 1881)	FST	c	2.00	0.75	0.80	0.72	0.20	0.18
<i>Proceraea</i> sp.	FST	NA	0.00	0.00	0.00	0.00	0.00	0.00
* <i>Salvatoria clavata</i> (Claparède, 1863)	HMJ	c	0.40	0.22	0.20	0.18	0.00	0.00
<i>Sphaerosyllis pirifera</i> Claparède, 1868	CMJ	am	0.00	0.00	0.20	0.18	0.20	0.18
<i>Sphaerosyllis</i> sp.	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<i>Syllides fulvus</i> (Marion & Bobretzky, 1875)	CMJ	iam	0.00	0.00	1.20	0.33	0.00	0.00
** <i>Syllis alternata</i> Moore, 1908	CMJ	c	1.60	0.73	4.00	1.10	0.80	0.52

Continued

Table S1 continued

	TG	BG	STR		PA		DR	
			Mean	SE	Mean	SE	Mean	SE
<i>*Syllis armillaris</i> (O.F. Müller, 1776)	CMJ	c	0.20	0.18	0.60	0.36	0.20	0.18
<i>Syllis beneliahuae</i> (Campoy & Alquézar, 1982)	CMJ	d	1.20	0.72	2.00	0.85	2.20	1.56
<i>Syllis columbretensis</i> (Campoy, 1982)	CMJ	am	0.00	0.00	0.00	0.00	0.20	0.18
<i>Syllis corallicola</i> Verrill, 1900	CMJ	aa	0.20	0.18	0.40	0.22	0.00	0.00
<i>Syllis ferrani</i> Alós & San Martín, 1987	CMJ	m	8.20	2.27	5.40	1.04	2.60	1.59
<i>Syllis gerlachi</i> (Hartmann-Schröder, 1960)	CMJ	c	12.20	3.25	11.60	2.82	0.60	0.36
<i>Syllis gerundensis</i> (Alós & Campoy, 1981)	CMJ	m	1.20	0.66	3.20	0.87	0.00	0.00
<i>**Syllis gracilis</i> Grube, 1840	CMJ	c	0.80	0.72	0.60	0.36	1.20	1.07
<i>Syllis hyalina</i> Grube, 1863	CMJ	c	0.00	0.00	0.00	0.00	0.00	0.00
<i>Syllis krohnii</i> Ehlers, 1864	CMJ	d	0.00	0.00	0.20	0.18	0.00	0.00
<i>Syllis prolifera</i> Krohn, 1852	CMJ	c	0.00	0.00	2.80	1.43	0.00	0.00
<i>Syllis variegata</i> Grube, 1860	CMJ	c	15.80	3.97	13.40	4.71	6.60	1.89
<i>*Trypanosyllis aeolis</i> Langerhans, 1879	CMJ	c	0.00	0.00	1.20	0.33	0.00	0.00
<i>Trypanosyllis coeliaca</i> Claparède, 1868	CMJ	am	0.00	0.00	0.80	0.33	0.00	0.00
<i>Trypanosyllis zebra</i> (Grube, 1860)	CMJ	c	1.40	0.61	1.20	0.33	2.00	0.49
<i>Xenosyllis scabra</i> (Ehlers, 1864)	CMJ	aa	0.40	0.22	0.00	0.00	0.00	0.00
TEREBELLIDAE								
<i>Amphitrite cirrata</i> Müller, 1776	SST	am	1.20	1.07	0.00	0.00	0.00	0.00
<i>Amphitrite</i> sp.	SST	NA	0.00	0.00	0.00	0.00	0.00	0.00
<i>Amphitrite variabilis</i> (Risso, 1826)	SST	m	0.00	0.00	0.00	0.00	0.00	0.00
<i>Eupolymnia nebulosa</i> (Montagu, 1819)	SST	amrip	0.00	0.00	0.00	0.00	0.00	0.00
<i>Eupolymnia nesidensis</i> (Delle Chiaje, 1828)	CMJ	am	0.00	0.00	0.00	0.00	0.00	0.00
<i>Neoamphitrite affinis</i> (Malmgren, 1866)	CMJ	am	0.20	0.18	0.00	0.00	0.00	0.00
<i>Nicolea venustula</i> (Montagu, 1819)	BMX	am	0.00	0.00	0.00	0.00	0.00	0.00
<i>Polycirrus aurantiacus</i> Grube, 1860	CMJ	am	0.00	0.00	0.00	0.00	0.00	0.00
<i>Streblosoma</i> sp.	SST	NA	0.00	0.00	0.00	0.00	0.00	0.00
<i>Terebella lapidaria</i> Linnaeus, 1767	SST	amr	0.60	0.54	0.00	0.00	0.20	0.18
Terebellidae	SST	NA	30.40	12.48	19.60	3.90	8.60	2.01
<i>Thelepus setosus</i> (Quatrefages, 1866)	SST	amrip	0.00	0.00	0.00	0.00	0.00	0.00
TRICHOBRANCHIDAE								
<i>Trichobranchus glacialis</i> Malmgren, 1866	SST	am	0.00	0.00	0.00	0.00	0.00	0.00

Table S2. Results of SIMPER analyses (cut-off 90%) used to identify taxa that mostly contribute to (A) polychaete similarity within geographic areas, (B) polychaete dissimilarity between geographic areas. Abund = mean abundance, Sim% = mean similarity, Sim/SD = similarity/standard deviation, Cont% = contribution relative to single taxon, Cum% = cumulative contribution, Av.Ab = mean abundance, Diss% = mean dissimilarity, Diss/SD = dissimilarity/standard deviation.

A	Group	Sim%	Species	Abund	Sim%	Sim/SD	Cont%	Cum%
	Aegean	45.36	<i>Vermiliopsis infundibulum</i> (Philippi, 1844)	2.96	4.4	1.83	9.71	9.71
			<i>Hydroides pseudouncinata pseudouncinata</i> Zibrowius, 1968	3.44	4.09	1.6	9.01	18.72
			<i>Psamathe fusca</i> Johnston, 1836	2.23	3.48	2.9	7.66	26.38
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	2.77	3.37	1.75	7.44	33.82
			Terebellidae	2.03	2.78	1.82	6.12	39.94
			<i>Harmothoe spinifera</i> (Ehlers, 1864)	1.75	2.64	1.89	5.82	45.76
			<i>Spirobranchus polytrema</i> (Philippi, 1844)	2.24	2.35	1.1	5.19	50.94
			<i>Ceratonereis costae</i> (Grube, 1840)	2.02	2.02	0.77	4.45	55.39
			<i>Syllis hyalina</i> Grube, 1863	1.73	1.88	1.02	4.15	59.55
			<i>Lepidonotus clava</i> (Montagu, 1808)	1.43	1.88	1.39	4.14	63.68
			<i>Serpula vermicularis</i> Linnaeus, 1767	2.05	1.87	0.99	4.13	67.81
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	1.12	1.31	1.19	2.9	70.71
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	1.08	1.26	1.13	2.78	73.49
			<i>Pseudopotamilla reniformis</i> (Bruguère, 1789)	1.94	1.19	0.72	2.63	76.12
			<i>Haplosyllis spongicola</i> (Grube, 1855)	1.19	1.15	0.86	2.54	78.66
			<i>Notomastus latericeus</i> Sars, 1851	1.67	1.04	0.61	2.28	80.94
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	0.86	0.71	0.48	1.57	82.51
			<i>Serpula concharum</i> Langerhans, 1880	1.02	0.67	0.62	1.49	84
			<i>Syllis gracilis</i> Grube, 1840	0.9	0.65	0.62	1.42	85.43
			<i>Lumbrineris coccinea</i> (Renier, 1804)	0.84	0.58	0.52	1.28	86.7
			<i>Syllis variegata</i> Grube, 1860	0.94	0.58	0.62	1.27	87.98
			<i>Scoletoma funchalensis</i> (Kinberg, 1865)	0.79	0.55	0.62	1.2	89.18
			<i>Parasabella saxicola</i> (Grube, 1861)	0.78	0.49	0.53	1.07	90.25
	Adriatic	49.42	Terebellidae	4.16	4.23	4.28	8.57	8.57
			<i>Syllis variegata</i> Grube, 1860	3.31	3.41	2.51	6.9	15.47
			<i>Serpula concharum</i> Langerhans, 1880	3.56	3.01	1.07	6.09	21.56
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	3.21	2.96	2.25	5.98	27.54
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	3.22	2.89	1.9	5.84	33.38
			<i>Ceratonereis costae</i> (Grube, 1840)	3.16	2.54	1.16	5.13	38.52
			<i>Notomastus latericeus</i> Sars, 1851	3.37	2.49	1.54	5.04	43.55
			<i>Nereis rava</i> Ehlers, 1868	2.43	1.85	1.13	3.74	47.29
			<i>Dodecaceria concharum</i> Örsted, 1843	1.92	1.77	1.59	3.57	50.87
			<i>Leodice torquata</i> (Quatrefages, 1866)	1.87	1.65	1.82	3.34	54.2
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	2.17	1.63	1.15	3.3	57.5
			<i>Lysidice unicornis</i> (Grube, 1840)	2.08	1.63	1.53	3.3	60.8
			<i>Spirobranchus triqueter</i> (Linnaeus, 1758)	2.02	1.58	1.09	3.19	63.99
			<i>Harmothoe extenuata</i> (Grube, 1840)	1.73	1.48	1.21	3	66.99
			<i>Syllis ferrani</i> Alós & San Martín, 1987	2.02	1.27	0.94	2.58	69.57
			<i>Phyllodoce madeirensis</i> Langerhans, 1880	1.51	1.18	1.06	2.38	71.94
			<i>Nereis</i> sp.	1.57	1	0.84	2.02	73.96

Continued

Table S2 continued

A	Group	Sim%	Species	Abund	Sim%	Sim/SD	Cont%	Cum%
			<i>Syllis gerlachi</i> (Hartmann-Schröder, 1960)	1.78	0.97	0.87	1.97	75.93
			<i>Cirriformia tentaculata</i> (Montagu, 1808)	1.22	0.88	0.9	1.79	77.71
			<i>Trypanosyllis zebra</i> (Grube, 1860)	1.02	0.75	0.83	1.51	79.23
			<i>Lumbrineris coccinea</i> (Renier, 1804)	1.24	0.7	0.85	1.41	80.64
			<i>Haplosyllis spongicola</i> (Grube, 1855)	1.07	0.63	0.79	1.28	81.92
			<i>Palola siciliensis</i> (Grube, 1840)	0.99	0.62	0.86	1.26	83.18
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	1.03	0.6	0.67	1.21	84.39
			<i>Syllis alternata</i> Moore, 1908	1.04	0.53	0.61	1.08	85.47
			<i>Scoletoma impatiens</i> (Claparède, 1868)	0.89	0.5	0.69	1	86.47
			<i>Harmothoe areolata</i> (Grube, 1860)	0.94	0.48	0.61	0.96	87.43
			<i>Exogone dispar</i> (Webster, 1879)	0.86	0.47	0.69	0.95	88.38
			<i>Hydroides pseudouncinata pseudouncinata</i> Zibrowius, 1968	0.72	0.39	0.62	0.79	89.16
			<i>Sabellaria</i> sp.	0.75	0.35	0.54	0.71	89.87
			<i>Syllis gerundensis</i> (Alós & Campoy, 1981)	0.91	0.35	0.5	0.71	90.58
B	Group	Sim%	Species	Abund	Sim%	Sim/SD	Cont%	Cum%
	Aegean & Adriatic	74.42	<i>Serpula concharum</i> Langerhans, 1880	1.02	3.56	2.5	1.17	3.37
			<i>Hydroides pseudouncinata pseudouncinata</i> Zibrowius, 1968	3.44	0.72	2.32	1.32	6.48
			<i>Vermiliopsis infundibulum</i> (Philippi, 1844)	2.96	0.42	2.21	1.52	9.46
			<i>Syllis variegata</i> Grube, 1860	0.94	3.31	2.03	1.75	12.19
			<i>Notomastus latericeus</i> Sars, 1851	1.67	3.37	2.02	1.43	14.9
			<i>Ceratonereis costae</i> (Grube, 1840)	2.02	3.16	1.91	1.33	17.47
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	0.86	3.22	1.91	1.62	20.03
			<i>Psamathe fusca</i> Johnston, 1836	2.23	0	1.86	2.24	22.53
			<i>Spirobranchus polytrema</i> (Philippi, 1844)	2.24	0	1.78	1.37	24.93
			Terebellidae	2.03	4.16	1.73	1.43	27.26
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	1.12	3.21	1.7	1.61	29.54
			<i>Nereis rava</i> Ehlers, 1868	0.46	2.43	1.68	1.41	31.8
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	2.77	2.17	1.6	1.2	33.95
			<i>Serpula vermicularis</i> Linnaeus, 1767	2.05	0.44	1.51	1.06	35.98
			<i>Spirobranchus triqueter</i> (Linnaeus, 1758)	0.51	2.02	1.49	1.15	37.98
			<i>Syllis hyalina</i> Grube, 1863	1.73	0	1.46	1.18	39.94
			<i>Pseudopotamilla reniformis</i> (Bruguière, 1789)	1.94	0	1.44	0.9	41.88
			<i>Syllis ferrani</i> Alós & San Martín, 1987	0	2.02	1.44	1.39	43.81
			<i>Harmothoe extenuata</i> (Grube, 1840)	0	1.73	1.39	1.55	45.67
			<i>Lysidice unicornis</i> (Grube, 1840)	0.32	2.08	1.38	1.69	47.52
			<i>Leodice torquata</i> (Quatrefages, 1866)	0.46	1.87	1.33	1.66	49.31
			<i>Syllis gerlachi</i> (Hartmann-Schröder, 1960)	0	1.78	1.25	1.22	51

Continued

Table S2 continued

B	Group	Sim%	Species	Abund	Sim%	Sim/SD	Cont%	Cum%
			<i>Dodecaceria concharum</i> Örsted, 1843	0.48	1.92	1.25	1.41	52.68
			<i>Harmothoe spinifera</i> (Ehlers, 1864)	1.75	0.75	1.22	1.49	54.32
			<i>Phyllodoce madeirensis</i> Langerhans, 1880	0	1.51	1.19	1.49	55.91
			Nereis sp.	0	1.57	1.18	1.17	57.5
			<i>Lepidonotus clava</i> (Montagu, 1808)	1.43	0.29	1.04	1.48	58.89
			<i>Lumbrineris coccinea</i> (Renier, 1804)	0.84	1.24	0.9	1.18	60.1
			<i>Cirriformia tentaculata</i> (Montagu, 1808)	0.24	1.22	0.9	1.2	61.32
			<i>Haplosyllis spongicola</i> (Grube, 1855)	1.19	1.07	0.87	1.21	62.48
			<i>Trypanosyllis zebra</i> (Grube, 1860)	0.58	1.02	0.84	1.24	63.61
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	1.08	1.03	0.81	1.27	64.7
			<i>Harmothoe areolata</i> (Grube, 1860)	0.51	0.94	0.78	1.06	65.75
			<i>Syllis gracilis</i> Grube, 1840	0.9	0.43	0.76	1	66.78
			<i>Syllis alternata</i> Moore, 1908	0	1.04	0.76	0.99	67.8
			<i>Palola siciliensis</i> (Grube, 1840)	0.24	0.99	0.69	1.22	68.73
			<i>Scoletoma funchalensis</i> (Kinberg, 1865)	0.79	0.44	0.68	0.86	69.65
			<i>Scoletoma impatiens</i> (Claparède, 1868)	0	0.89	0.66	1.07	70.53
			<i>Syllis gerundensis</i> (Alós & Campoy, 1981)	0	0.91	0.65	0.85	71.4
			<i>Exogone dispar</i> (Webster, 1879)	0	0.86	0.63	1.08	72.24
			Polynoidae	0	0.73	0.6	0.7	73.04
			<i>Syllis prolifera</i> Krohn, 1852	0.51	0.46	0.59	0.86	73.83
			<i>Parasabella saxicola</i> (Grube, 1861)	0.78	0	0.58	0.93	74.61
			Spionidae	0	0.75	0.58	0.77	75.39
			<i>Sclerocheilus minutus</i> Grube, 1863	0.76	0	0.57	0.75	76.16
			Sabellaria sp.	0	0.75	0.55	0.89	76.9
			<i>Polynoe scolopendrina</i> Savigny, 1822	0	0.74	0.52	0.86	77.6
			<i>Syllis beneliahuae</i> (Campoy & Alquézar, 1982)	0	0.69	0.48	0.76	78.25
			<i>Lysidice collaris</i> Grube, 1870	0	0.66	0.47	0.56	78.88
			<i>Proceraea</i> sp.	0.55	0	0.44	0.69	79.47
			Sabellidae	0	0.53	0.42	0.75	80.03
			<i>Dorvillea</i> sp.	0	0.61	0.42	0.82	80.6
			<i>Nereis zonata</i> Malmgren, 1867	0.42	0	0.39	0.68	81.12
			<i>Pseudoleiocypris fauveli</i> Harmelin, 1964	0	0.56	0.39	0.6	81.64
			<i>Gyptis</i> sp.	0	0.42	0.37	0.7	82.13
			<i>Scoletoma fragilis</i> (O.F. Müller, 1776)	0.32	0.19	0.35	0.63	82.6
			<i>Arichlidon reyssi</i> (Katzmann, Laubier & Ramos, 1974)	0.42	0	0.33	0.7	83.05
			<i>Harmothoe gilchristi</i> Day, 1960	0	0.43	0.33	0.6	83.5
			<i>Protula</i> sp.	0.39	0	0.33	0.58	83.94
			Maldanidae	0	0.42	0.33	0.69	84.38
			<i>Euphrosine foliosa</i> Audouin & H Milne Edwards, 1833	0.39	0.1	0.32	0.75	84.81
			<i>Paraehlersia ferrugina</i> (Langerhans, 1881)	0	0.48	0.32	0.7	85.24
			<i>Harmothoe antilopes</i> McIntosh, 1876	0.37	0	0.31	0.54	85.67

Continued

Table S2 continued

B	Group	Sim%	Species	Abund	Sim%	Sim/SD	Cont%	Cum%
			<i>Eunice</i> sp.	0.27	0.25	0.31	0.68	86.09
			<i>Syllis armillaris</i> (O.F. Müller, 1776)	0	0.4	0.31	0.66	86.5
			<i>Pterocirrus macroceros</i> (Grube, 1860)	0.07	0.38	0.31	0.59	86.91
			<i>Flabelliderma cinari</i> Karhan, Simboura & Salazar-Vallejo, 2012	0	0.37	0.3	0.64	87.31
			<i>Sabellaria spinulosa</i> (Leuckart, 1849)	0.39	0	0.29	0.6	87.7
			<i>Harmothoe fragilis</i> Moore, 1910	0	0.35	0.29	0.49	88.09
			<i>Phyllodoce</i> sp.	0.37	0	0.28	0.58	88.47
			<i>Paucibranchia fallax</i> (Marion & Bobretzky, 1875)	0.14	0.27	0.27	0.65	88.84
			<i>Arabella iricolor</i> (Montagu, 1804)	0.37	0	0.27	0.59	89.2
			<i>Dasybranchus gajolae</i> Eisig, 1887	0.37	0	0.27	0.49	89.56
			<i>Perinereis cultrifera</i> (Grube, 1840)	0.12	0.28	0.25	0.38	89.9
			<i>Caulleriella viridis</i> (Langerhans, 1881)	0	0.31	0.25	0.57	90.23

Table S3. Results of SIMPER analyses (cut-off 90%) used to identify taxa that mostly contribute to (A) polychaete similarity within the same depth and size class, (B) polychaete dissimilarity between depths and size classes in the Aegean Sea. Abund = mean abundance, Sim% = mean similarity, Sim/SD = similarity/standard deviation, Cont% = contribution relative to single taxon, Cum% = cumulative contribution, Av.Ab = mean abundance, Diss% = mean dissimilarity, Diss/SD = dissimilarity/standard deviation.

A	Group	Sim%	Species	Abund	Sim%	Sim/SD	Cont%	Cum%
3-6 m	49.45		<i>Hydroides pseudouncinata</i>	4.1	4.36	2.71	8.82	8.82
			<i>pseudouncinata</i> Zibrowius, 1968					
			<i>Spirobranchus polytrema</i> (Philippi, 1844)	3.04	3.98	5.17	8.04	16.86
			<i>Vermiliopsis infundibulum</i> (Philippi, 1844)	3.24	3.95	2.14	7.99	24.85
			<i>Psamathe fusca</i> Johnston, 1836	2.57	3.43	2.46	6.94	31.79
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	3.17	3.43	2.32	6.94	38.73
			<i>Notomastus latericeus</i> Sars, 1851	2.88	2.82	1.34	5.7	44.42
			Terebellidae	2.08	2.78	3.23	5.63	50.05
			<i>Harmothoe spinifera</i> (Ehlers, 1864)	1.96	2.73	2.79	5.53	55.58
			<i>Lepidonotus clava</i> (Montagu, 1808)	1.72	2.42	3.85	4.9	60.48
			<i>Serpula vermicularis</i> Linnaeus, 1767	2.64	1.6	0.73	3.24	63.71
			<i>Sclerocheilus minutus</i> Grube, 1863	1.52	1.56	1.23	3.16	66.87
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	1.29	1.39	1.47	2.82	69.69
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	1.32	1.34	1.36	2.7	72.39
			<i>Syllis variegata</i> Grube, 1860	1.49	1.31	1.25	2.64	75.04
			<i>Scoletoma funchalensis</i> (Kinberg, 1865)	1.23	1.24	1.35	2.51	77.55
			<i>Syllis hyalina</i> Grube, 1863	1.42	1.11	0.84	2.25	79.8
			<i>Lumbrineris coccinea</i> (Renier, 1804)	1.19	1.04	0.88	2.11	81.92
			<i>Pseudopotamilla reniformis</i> (Bruguère, 1789)	2.43	0.96	0.52	1.94	83.85
			<i>Haplosyllis spongicola</i> (Grube, 1855)	1.05	0.82	0.87	1.66	85.52
			<i>Parasabella saxicola</i> (Grube, 1861)	0.94	0.59	0.61	1.19	86.7
			<i>Serpula concharum</i> Langerhans, 1880	0.97	0.58	0.61	1.18	87.89
			<i>Syllis gracilis</i> Grube, 1840	1.07	0.56	0.56	1.14	89.03
	<i>Ceratonereis costae</i> (Grube, 1840)	0.95	0.55	0.59	1.11	90.13		
16-19 m	44.89		<i>Vermiliopsis infundibulum</i> (Philippi, 1844)	2.67	4.7	1.71	10.47	10.47
			<i>Ceratonereis costae</i> (Grube, 1840)	3.08	4.62	1.37	10.3	20.77
			<i>Hydroides pseudouncinata</i>	2.78	3.71	1.13	8.25	29.03
			<i>pseudouncinata</i> Zibrowius, 1968					
			<i>Psamathe fusca</i> Johnston, 1836	1.89	3.6	3.29	8.01	37.04
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	2.37	3.15	1.71	7.02	44.06
			Terebellidae	1.97	2.65	1.36	5.89	49.95
			<i>Syllis hyalina</i> Grube, 1863	2.05	2.6	1.31	5.79	55.75
			<i>Harmothoe spinifera</i> (Ehlers, 1864)	1.53	2.51	1.41	5.6	61.34
			<i>Serpula vermicularis</i> Linnaeus, 1767	1.46	2.41	1.15	5.36	66.71
			<i>Haplosyllis spongicola</i> (Grube, 1855)	1.32	1.38	0.87	3.07	69.77
			<i>Pseudopotamilla reniformis</i> (Bruguère, 1789)	1.45	1.35	0.91	3	72.78

Continued

Table S3 continued

A	Group	Sim%	Species	Abund	Sim%	Sim/SD	Cont%	Cum%
			<i>Lepidonotus clava</i> (Montagu, 1808)	1.14	1.31	0.85	2.93	75.7
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	1.19	1.24	0.58	2.76	78.46
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	0.94	1.15	0.92	2.56	81.02
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	0.83	1.12	0.9	2.49	83.51
			<i>Spirobranchus polytrema</i> (Philippi, 1844)	1.45	1.01	0.57	2.25	85.76
			<i>Dodecaceria concharum</i> Örsted, 1843	0.68	0.7	0.61	1.56	87.33
			<i>Serpula concharum</i> Langerhans, 1880	1.07	0.66	0.56	1.48	88.8
			<i>Protula</i> sp.	0.77	0.65	0.6	1.46	90.26
Big	45.48		<i>Hydroides pseudouncinata</i> <i>pseudouncinata</i> Zibrowius, 1968	3.12	4.7	2.02	10.34	10.34
			<i>Vermiliopsis infundibulum</i> (Philippi, 1844)	2.67	4.45	2.09	9.79	20.13
			<i>Psamathe fusca</i> Johnston, 1836	2.46	4.01	3.19	8.81	28.94
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	2.87	3.78	1.71	8.31	37.25
			<i>Harmothoe spinifera</i> (Ehlers, 1864)	1.83	2.78	1.57	6.12	43.37
			<i>Serpula vermicularis</i> Linnaeus, 1767	2.03	2.58	1.34	5.68	49.05
			<i>Spirobranchus polytrema</i> (Philippi, 1844)	2.2	2.47	1.11	5.42	54.47
			Terebellidae	1.79	2.34	1.53	5.13	59.61
			<i>Ceratonereis costae</i> (Grube, 1840)	1.78	1.92	0.78	4.22	63.83
			<i>Syllis hyalina</i> Grube, 1863	1.6	1.68	1.11	3.69	67.52
			<i>Lepidonotus clava</i> (Montagu, 1808)	1.35	1.67	1.03	3.67	71.19
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	1.23	1.4	1.1	3.08	74.27
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	1	1.24	1.13	2.73	76.99
			<i>Lumbrineris coccinea</i> (Renier, 1804)	1.15	1.12	0.79	2.46	79.45
			<i>Notomastus latericeus</i> Sars, 1851	1.62	0.86	0.56	1.88	81.33
			<i>Pseudopotamilla reniformis</i> (Bru- guière, 1789)	1.82	0.83	0.55	1.81	83.15
			<i>Haplosyllis spongicola</i> (Grube, 1855)	1	0.64	0.55	1.4	84.55
			<i>Syllis variegata</i> Grube, 1860	1.08	0.61	0.56	1.34	85.89
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	0.88	0.61	0.39	1.34	87.22
			<i>Syllis gracilis</i> Grube, 1840	0.91	0.52	0.6	1.14	88.36
			<i>Scoletoma funchalensis</i> (Kinberg, 1865)	0.65	0.48	0.59	1.06	89.43
			<i>Trypanosyllis zebra</i> (Grube, 1860)	0.9	0.47	0.43	1.03	90.46
Small	43.09		<i>Vermiliopsis infundibulum</i> (Philippi, 1844)	3.46	4.05	1.52	9.4	9.4
			Terebellidae	2.45	3.47	3.17	8.05	17.44
			<i>Hydroides pseudouncinata</i> <i>pseudouncinata</i> Zibrowius, 1968	4.02	3	0.97	6.96	24.4
			<i>Psamathe fusca</i> Johnston, 1836	1.83	2.59	3.14	6.02	30.42
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	2.58	2.46	2.33	5.7	36.12

Continued

Table S3 continued

A	Group	Sim%	Species	Abund	Sim%	Sim/SD	Cont%	Cum%	
			<i>Harmothoe spinifera</i> (Ehlers, 1864)	1.6	2.4	4.6	5.58	41.7	
			<i>Lepidonotus clava</i> (Montagu, 1808)	1.58	2.23	4.41	5.17	46.87	
			<i>Haplosyllis spongicola</i> (Grube, 1855)	1.52	2.22	3.24	5.14	52.01	
			<i>Ceratonereis costae</i> (Grube, 1840)	2.44	2	0.62	4.65	56.66	
			<i>Syllis hyalina</i> Grube, 1863	1.98	1.95	0.85	4.52	61.18	
			<i>Spirobranchus polytrema</i> (Philippi, 1844)	2.33	1.79	1.02	4.15	65.33	
			<i>Pseudopotamilla reniformis</i> (Bruguère, 1789)	2.17	1.59	1.12	3.69	69.02	
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	1.33	1.34	1.13	3.1	72.12	
			<i>Serpula concharum</i> Langerhans, 1880	1.33	1.32	1.07	3.07	75.19	
			<i>Arichlidon reyssi</i> (Katzmann, Laubier & Ramos, 1974)	0.88	1.07	1.1	2.49	77.68	
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	0.8	1.07	1.1	2.49	80.17	
			<i>Notomastus latericeus</i> Sars, 1851	1.77	1.01	0.62	2.35	82.52	
			<i>Harmothoe areolata</i> (Grube, 1860)	1.09	0.97	0.61	2.24	84.76	
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	0.83	0.72	0.55	1.68	86.45	
			<i>Syllis gracilis</i> Grube, 1840	0.88	0.69	0.56	1.61	88.05	
			<i>Serpula vermicularis</i> Linnaeus, 1767	2.1	0.67	0.57	1.55	89.6	
			<i>Parasabella saxicola</i> (Grube, 1861)	0.97	0.64	0.62	1.5	91.1	
B	Groups	Diss%	Species	Abund 3-5 m	Abund 16-18 m	Diss%	Diss/SD	Cont%	Cum%
	3-5 m & 16-18 m	56.18	<i>Hydroides pseudouncinata pseudouncinata</i> Zibrowius, 1968	4.1	2.78	2.46	1.42	4.38	4.38
			<i>Notomastus latericeus</i> Sars, 1851	2.88	0.46	2.45	1.66	4.36	8.73
			<i>Ceratonereis costae</i> (Grube, 1840)	0.95	3.08	2.42	1.49	4.3	13.04
			<i>Pseudopotamilla reniformis</i> (Bruguère, 1789)	2.43	1.45	2.19	1.16	3.89	16.93
			<i>Serpula vermicularis</i> Linnaeus, 1767	2.64	1.46	2.13	1.34	3.8	20.72
			<i>Spirobranchus polytrema</i> (Philippi, 1844)	3.04	1.45	2.09	1.73	3.71	24.44
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	3.17	2.37	1.92	1.24	3.42	27.85
			<i>Syllis hyalina</i> Grube, 1863	1.42	2.05	1.53	1.27	2.72	30.57
			<i>Vermiliopsis infundibulum</i> (Philippi, 1844)	3.24	2.67	1.49	1.22	2.65	33.22
			<i>Sclerocheilus minutus</i> Grube, 1863	1.52	0	1.45	1.66	2.58	35.79
			<i>Syllis variegata</i> Grube, 1860	1.49	0.39	1.25	1.28	2.23	38.03
			<i>Scoletoma funchalensis</i> (Kinberg, 1865)	1.23	0.34	1.17	0.92	2.08	40.1
			Terebellidae	2.08	1.97	1.15	1.29	2.04	42.14
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	0.53	1.19	1.14	1.2	2.03	44.17
			<i>Serpula concharum</i> Langerhans, 1880	0.97	1.07	1.11	1.17	1.98	46.15
			<i>Haplosyllis spongicola</i> (Grube, 1855)	1.05	1.32	1.07	1.25	1.9	48.06
			<i>Lumbrineris coccinea</i> (Renier, 1804)	1.19	0.49	1.06	1.19	1.89	49.94
			<i>Syllis gracilis</i> Grube, 1840	1.07	0.74	1.03	1.1	1.83	51.77
			<i>Psamathe fusca</i> Johnston, 1836	2.57	1.89	1.03	1.26	1.83	53.6

Continued

Table S3 continued

B	Groups	Diss%	Species	Abund 3-5 m	Abund 16-18 m	Diss%	Diss/SD	Cont%	Cum%
			<i>Trypanosyllis zebra</i> (Grube, 1860)	0.75	0.4	0.89	0.84	1.59	55.19
			<i>Lepidonotus clava</i> (Montagu, 1808)	1.72	1.14	0.89	1.24	1.59	56.77
			<i>Spirobranchus triqueter</i> (Linnaeus, 1758)	0.25	0.77	0.87	0.8	1.55	58.32
			<i>Parasabella saxicola</i> (Grube, 1861)	0.94	0.63	0.85	1.17	1.51	59.83
			<i>Leodice torquata</i> (Quatrefages, 1866)	0.91	0	0.83	0.82	1.48	61.31
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	1.32	0.83	0.8	1.14	1.43	62.73
			<i>Harmothoe spinifera</i> (Ehlers, 1864)	1.96	1.53	0.8	1.08	1.42	64.15
			<i>Dodecaceria concharum</i> Örsted, 1843	0.29	0.68	0.77	1.13	1.38	65.53
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	1.29	0.94	0.76	1.23	1.35	66.88
			<i>Protula</i> sp.	0	0.77	0.73	1.03	1.31	68.18
			<i>Harmothoe areolata</i> (Grube, 1860)	0.49	0.53	0.73	0.81	1.3	69.48
			<i>Proceraea</i> sp.	0.4	0.7	0.72	0.94	1.28	70.76
			<i>Syllis prolifera</i> Krohn, 1852	0.39	0.63	0.7	0.93	1.25	72.01
			<i>Arabella iricolor</i> (Montagu, 1804)	0.74	0	0.68	1.06	1.22	73.23
			<i>Arichlidon reyssi</i> (Katzmann, Laubier & Ramos, 1974)	0.69	0.14	0.67	1.08	1.19	74.42
			<i>Nereis rava</i> Ehlers, 1868	0.43	0.49	0.61	0.96	1.09	75.51
			<i>Nereis zonata</i> Malmgren, 1867	0.29	0.55	0.61	0.99	1.09	76.6
			<i>Sabellaria spinulosa</i> (Leuckart, 1849)	0.63	0.14	0.59	0.91	1.04	77.64
			<i>Phyllodoce</i> sp.	0.59	0.14	0.58	0.86	1.04	78.67
			<i>Euphrosine foliosa</i> Audouin & H Milne Edwards, 1833	0.57	0.2	0.58	1.16	1.03	79.71
			<i>Harmothoe antilopes</i> McIntosh, 1876	0.29	0.45	0.58	0.78	1.03	80.74
			<i>Dasybranchus gajolae</i> Eisig, 1887	0.6	0.14	0.57	0.75	1.01	81.75
			<i>Scoletoma fragilis</i> (O.F. Müller, 1776)	0.14	0.49	0.51	0.7	0.91	82.66
			<i>Branchiomma bombyx</i> (Dalyell, 1853)	0.57	0	0.47	0.78	0.83	83.5
			<i>Lysidice unicornis</i> (Grube, 1840)	0.43	0.2	0.46	0.92	0.81	84.31
			<i>Nerinines</i> sp.	0.43	0.14	0.44	0.87	0.79	85.09
			<i>Eunice</i> sp.	0.25	0.29	0.42	0.74	0.75	85.84
			<i>Naineris laevigata</i> (Grube, 1855)	0.43	0.14	0.41	0.87	0.73	86.57
			<i>Palola siciliensis</i> (Grube, 1840)	0.14	0.34	0.39	0.7	0.7	87.27
			<i>Neoamphitrite affinis</i> (Malmgren, 1866)	0.43	0	0.38	0.84	0.68	87.95
			<i>Amphiglena mediterranea</i> (Leydig, 1851)	0.29	0.29	0.38	0.8	0.68	88.63
			<i>Cirriformia tentaculata</i> (Montagu, 1808)	0.34	0.14	0.38	0.73	0.68	89.31
			<i>Piromis eruca</i> (Claparède, 1869)	0.2	0.2	0.33	0.55	0.59	89.9
			<i>Euclymene oerstedii</i> (Claparède, 1863)	0.25	0	0.33	0.4	0.58	90.48
B	Groups	Diss%	Species	Abund Big	Abund Small	Diss%	Diss/SD	Cont%	Cum%
	Big & small	54.23	<i>Hydroides pseudouncinata</i>	3.12	4.02	2.8	1.66	5.16	5.16
			<i>pseudouncinata</i> Zibrowius, 1968						
			<i>Ceratonereis costae</i> (Grube, 1840)	1.78	2.44	2.24	1.3	4.12	9.29

Continued

Table S3 continued

B	Groups	Diss%	Species	Abund Big	Abund Small	Diss%	Diss/SD	Cont%	Cum%
			<i>Serpula vermicularis</i> Linnaeus, 1767	2.03	2.1	2.19	1.33	4.04	13.32
			<i>Pseudopotamilla reniformis</i> (Bruguère, 1789)	1.82	2.17	2.07	1.19	3.82	17.14
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	2.87	2.58	1.91	1.15	3.51	20.65
			<i>Spirobranchus polytrema</i> (Philippi, 1844)	2.2	2.33	1.82	1.38	3.35	24.01
			<i>Notomastus latericeus</i> Sars, 1851	1.62	1.77	1.81	1.29	3.34	27.35
			<i>Vermiliopsis infundibulum</i> (Philippi, 1844)	2.67	3.46	1.69	1.33	3.12	30.46
			<i>Syllis hyalina</i> Grube, 1863	1.6	1.98	1.63	1.2	3	33.46
			Terebellidae	1.79	2.45	1.21	1.12	2.23	35.7
			<i>Serpula concharum</i> Langerhans, 1880	0.85	1.33	1.19	1.31	2.19	37.89
			<i>Haplosyllis spongicola</i> (Grube, 1855)	1	1.52	1.14	1.36	2.1	39.99
			<i>Scoletoma funchalensis</i> (Kinberg, 1865)	0.65	1.03	1.07	0.83	1.98	41.97
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	0.88	0.83	1.06	1.2	1.96	43.93
			<i>Harmothoe areolata</i> (Grube, 1860)	0.19	1.09	1.05	1.09	1.94	45.87
			<i>Lumbrineris coccinea</i> (Renier, 1804)	1.15	0.28	1.04	1.18	1.91	47.78
			<i>Syllis gracilis</i> Grube, 1840	0.91	0.88	1.01	1.14	1.86	49.64
			<i>Psamathe fusca</i> Johnston, 1836	2.46	1.83	0.98	1.24	1.8	51.44
			<i>Syllis variegata</i> Grube, 1860	1.08	0.68	0.97	1.12	1.79	53.22
			<i>Sclerocheilus minutus</i> Grube, 1863	0.88	0.55	0.9	1	1.66	54.88
			<i>Parasabella saxicola</i> (Grube, 1861)	0.68	0.97	0.86	1.17	1.58	56.46
			<i>Trypanosyllis zebra</i> (Grube, 1860)	0.9	0	0.83	0.8	1.54	57.99
			<i>Lepidonotus clava</i> (Montagu, 1808)	1.35	1.58	0.83	1.32	1.53	59.52
			<i>Arichlidon reyssi</i> (Katzmann, Laubier & Ramos, 1974)	0.16	0.88	0.81	1.67	1.5	61.02
			<i>Spirobranchus triqueter</i> (Linnaeus, 1758)	0.6	0.35	0.8	0.75	1.48	62.5
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	1	1.33	0.8	1.31	1.48	63.97
			<i>Leodice torquata</i> (Quatrefages, 1866)	0.22	0.88	0.78	0.83	1.45	65.42
			<i>Harmothoe spinifera</i> (Ehlers, 1864)	1.83	1.6	0.78	1.21	1.44	66.86
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	1.23	0.8	0.75	1.2	1.39	68.25
			<i>Nereis rava</i> Ehlers, 1868	0.33	0.68	0.72	1.12	1.33	69.58
			<i>Proceraea</i> sp.	0.66	0.35	0.72	0.89	1.32	70.9
			<i>Syllis prolifera</i> Krohn, 1852	0.49	0.55	0.7	0.93	1.29	72.19
			<i>Dodecaceria concharum</i> Örsted, 1843	0.64	0.2	0.67	0.92	1.23	73.42
			<i>Phyllodoce</i> sp.	0.19	0.68	0.66	1.16	1.22	74.64
			<i>Harmothoe antilopes</i> McIntosh, 1876	0.3	0.48	0.6	0.82	1.12	75.75
			<i>Nereis zonata</i> Malmgren, 1867	0.43	0.4	0.59	0.99	1.1	76.85
			<i>Protula</i> sp.	0.49	0.2	0.56	0.81	1.03	77.88
			<i>Sabellaria spinulosa</i> (Leuckart, 1849)	0.38	0.4	0.56	0.86	1.03	78.91
			<i>Palola siciliensis</i> (Grube, 1840)	0.11	0.48	0.54	0.81	1	79.91
			<i>Dasybranchus gajolae</i> Eisig, 1887	0.38	0.35	0.52	0.72	0.95	80.86

Continued

Table S3 continued

B	Groups	Diss%	Species	Abund Big	Abund Small	Diss%	Diss/SD	Cont%	Cum%
			<i>Euphrosine foliosa</i> Audouin & H Milne Edwards, 1833	0.38	0.4	0.47	0.92	0.86	81.72
			<i>Scoletoma fragilis</i> (O.F. Müller, 1776)	0.38	0.2	0.47	0.65	0.86	82.58
			<i>Arabella iricolor</i> (Montagu, 1804)	0.46	0.2	0.47	0.8	0.86	83.44
			<i>Eunice</i> sp.	0.22	0.35	0.44	0.73	0.81	84.25
			<i>Branchiomma bombyx</i> (Dalyell, 1853)	0.22	0.4	0.43	0.84	0.79	85.03
			<i>Euclymene oerstedii</i> (Claparède, 1863)	0	0.35	0.43	0.49	0.78	85.82
			<i>Nerinines</i> sp.	0.22	0.4	0.42	0.85	0.78	86.6
			<i>Amphiglena mediterranea</i> (Leydig, 1851)	0.22	0.4	0.4	0.84	0.74	87.34
			<i>Lysidice unicornis</i> (Grube, 1840)	0.38	0.2	0.39	0.79	0.72	88.06
			<i>Syllis krohnii</i> Ehlers, 1864	0	0.48	0.38	0.77	0.71	88.77
			<i>Cirriiformia tentaculata</i> (Montagu, 1808)	0.27	0.2	0.36	0.7	0.66	89.43
			<i>Naineris laevigata</i> (Grube, 1855)	0.33	0.2	0.35	0.79	0.64	90.07

Table A4. Results of SIMPER analyses (cut-off 90%) used to identify taxa that mostly contribute to (A) polychaete similarity within the same depth and size class, (B) polychaete dissimilarity between depths and size classes in the Adriatic Sea. Abund = mean abundance, Sim% = mean similarity, Sim/SD = similarity/standard deviation, Cont% = contribution relative to single taxon, Cum% = cumulative contribution, Av.Ab = mean abundance, Diss% = mean dissimilarity, Diss/SD = dissimilarity/standard deviation.

A	Group	Sim%	Species	Abund	Sim%	Sim/SD	Cont%	Cum%
	6-8m	48.95	Terebellidae	4.19	4.5	4.39	9.2	9.2
			<i>Syllis variegata</i> Grube, 1860	3.54	4.08	4.04	8.33	17.53
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	3.82	3.71	2.65	7.59	25.12
			<i>Serpula concharum</i> Langerhans, 1880	3.41	3.67	1.24	7.49	32.6
			<i>Ceratonereis costae</i> (Grube, 1840)	3.11	2.51	1.56	5.12	37.73
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	2.34	2.4	1.6	4.9	42.62
			<i>Spirobranchus triqueter</i> (Linnaeus, 1758)	2.36	2.28	1.15	4.66	47.28
			<i>Notomastus latericeus</i> Sars, 1851	3.59	2.21	1.16	4.51	51.79
			<i>Phyllodoce madeirensis</i> Langerhans, 1880	1.69	1.79	1.63	3.65	55.44
			<i>Dodecaceria concharum</i> Örsted, 1843	2.17	1.72	1.48	3.51	58.96
			<i>Nereis rava</i> Ehlers, 1868	2.33	1.72	1.02	3.51	62.46
			<i>Nereis</i> sp.	1.87	1.63	1.15	3.33	65.79
			<i>Leodice torquata</i> (Quatrefages, 1866)	1.96	1.52	1.59	3.1	68.9
			<i>Lysidice unicornis</i> (Grube, 1840)	1.82	1.46	1.66	2.98	71.87
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	1.55	1.41	1.07	2.87	74.74
			<i>Syllis ferrani</i> Alós & San Martín, 1987	2.22	1.31	0.86	2.67	77.41
			<i>Harmothoe extenuata</i> (Grube, 1840)	1.87	1.23	0.89	2.52	79.94
			<i>Lumbrineris coccinea</i> (Reniér, 1804)	1.57	1.07	1.15	2.18	82.11
			<i>Cirriformia tentaculata</i> (Montagu, 1808)	1.17	0.73	0.86	1.48	83.6
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	1.14	0.61	0.67	1.25	84.85
			<i>Trypanosyllis zebra</i> (Grube, 1860)	0.99	0.61	0.66	1.25	86.1
			<i>Harmothoe areolata</i> (Grube, 1860)	0.97	0.6	0.65	1.22	87.32
			<i>Polynoe scolopendrina</i> Savigny, 1822	1	0.52	0.64	1.06	88.38
			<i>Exogone dispar</i> (Webster, 1879)	0.68	0.5	0.65	1.02	89.41
			<i>Syllis gerlachi</i> (Hartmann-Schröder, 1960)	1	0.47	0.67	0.96	90.37
	3-6m	49.82	Terebellidae	4.13	3.99	4.43	8.01	8.01

Continued

Table S4 continued

A	Group	Sim%	Species	Abund	Sim%	Sim/SD	Cont%	Cum%
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	3.79	3.44	3.16	6.9	14.92
			<i>Syllis variegata</i> Grube, 1860	3.15	2.95	2.13	5.92	20.83
			<i>Notomastus latericeus</i> Sars, 1851	3.22	2.59	1.96	5.2	26.03
			<i>Serpula concharum</i> Langerhans, 1880	3.65	2.52	0.98	5.06	31.09
			<i>Ceratonereis costae</i> (Grube, 1840)	3.19	2.51	1.01	5.03	36.12
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	2.81	2.37	1.65	4.76	40.88
			<i>Nereis rava</i> Ehlers, 1868	2.5	1.86	1.2	3.73	44.61
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	2.57	1.78	1.2	3.58	48.2
			<i>Dodecaceria concharum</i> Örsted, 1843	1.75	1.77	1.66	3.56	51.76
			<i>Lysidice unicornis</i> (Grube, 1840)	2.25	1.76	1.49	3.53	55.29
			<i>Leodice torquata</i> (Quatrefages, 1866)	1.8	1.72	1.99	3.46	58.75
			<i>Harmothoe extenuata</i> (Grube, 1840)	1.63	1.64	1.65	3.29	62.04
			<i>Syllis gerlachi</i> (Hartmann-Schröder, 1960)	2.3	1.42	1.09	2.86	64.89
			<i>Syllis ferrani</i> Alós & San Martín, 1987	1.89	1.21	0.97	2.43	67.32
			<i>Spirobranchus triqueter</i> (Linnaeus, 1758)	1.79	1.16	1.09	2.33	69.65
			<i>Cirriformia tentaculata</i> (Montagu, 1808)	1.25	0.97	0.9	1.95	71.6
			<i>Haplosyllis spongicola</i> (Grube, 1855)	1.29	0.85	1	1.71	73.3
			<i>Hydroides pseudouncinata pseudouncinata</i> Zibrowius, 1968	1.03	0.83	1.14	1.66	74.96
			<i>Phyllodoce madeirensis</i> Langerhans, 1880	1.39	0.81	0.83	1.62	76.58
			<i>Trypanosyllis zebra</i> (Grube, 1860)	1.04	0.8	0.94	1.6	78.18
			<i>Palola siciliensis</i> (Grube, 1840)	1.08	0.71	0.99	1.42	79.6
			<i>Nereis</i> sp.	1.37	0.63	0.69	1.26	80.86
			<i>Scoletoma impatiens</i> (Claparède, 1868)	0.94	0.57	0.82	1.15	82.01
			<i>Syllis alternata</i> Moore, 1908	1.09	0.57	0.67	1.14	83.15
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	0.96	0.55	0.65	1.1	84.25
			<i>Lumbrineris coccinea</i> (Reniér, 1804)	1.02	0.47	0.7	0.94	85.18
			<i>Exogone dispar</i> (Webster, 1879)	0.97	0.44	0.68	0.88	86.07

Continued

Table S4 continued

A	Group	Sim%	Species	Abund	Sim%	Sim/SD	Cont%	Cum%
			Polynoidae	0.99	0.43	0.47	0.87	86.93
			<i>Sabellaria</i> sp.	0.79	0.43	0.68	0.86	87.79
			Spionidae	0.92	0.42	0.54	0.85	88.64
			<i>Gyptis</i> sp.	0.64	0.4	0.55	0.81	89.45
			<i>Syllis gerundensis</i> (Alós & Campoy, 1981)	0.83	0.38	0.58	0.76	90.21
Big	59.68		Terebellidae	5.51	4.69	5.55	7.85	7.85
			<i>Notomastus latericeus</i> Sars, 1851	5.22	4.18	5.64	7.01	14.86
			<i>Syllis variegata</i> Grube, 1860	4	3.26	3.39	5.46	20.32
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	4.08	3.14	3.48	5.26	25.58
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	4.27	3.01	1.67	5.05	30.63
			<i>Syllis ferrani</i> Alós & San Martín, 1987	3.29	2.8	4.51	4.69	35.32
			<i>Nereis rava</i> Ehlers, 1868	3.52	2.56	2.56	4.28	39.6
			<i>Lysidice unicornis</i> (Grube, 1840)	2.92	2.32	3.25	3.88	43.48
			<i>Ceratonereis costae</i> (Grube, 1840)	3.75	2.27	1.17	3.81	47.29
			<i>Serpula concharum</i> Langerhans, 1880	2.59	1.71	1.36	2.86	50.16
			<i>Syllis gerlachi</i> (Hartmann-Schröder, 1960)	2.73	1.69	1.37	2.83	52.99
			<i>Phyllodoce madeirensis</i> Langerhans, 1880	2.09	1.56	1.33	2.61	55.6
			<i>Leodice torquata</i> (Quatrefages, 1866)	2.39	1.48	1.32	2.48	58.08
			<i>Nereis</i> sp.	1.97	1.48	1.4	2.47	60.55
			<i>Harmothoe extenuata</i> (Grube, 1840)	2.16	1.43	1.5	2.4	62.95
			<i>Dodecaceria concharum</i> Örsted, 1843	2.24	1.37	1.56	2.3	65.25
			<i>Lumbrineris coccinea</i> (Renier, 1804)	2.01	1.37	1.75	2.3	67.55
			<i>Trypanosyllis zebra</i> (Grube, 1860)	1.46	1.13	1.85	1.9	69.45
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	1.84	1.11	1.3	1.86	71.31
			<i>Syllis alternata</i> Moore, 1908	1.59	1.09	1.27	1.83	73.14
			<i>Polynoe scolopendrina</i> Savigny, 1822	1.4	1.08	1.73	1.81	74.96
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	1.5	1.07	1.31	1.8	76.75
			<i>Spirobranchus triqueter</i> (Linnaeus, 1758)	1.78	1.04	1.23	1.74	78.49
			<i>Palola siciliensis</i> (Grube, 1840)	1.34	1.01	1.95	1.69	80.18
			<i>Haplosyllis spongicola</i> (Grube, 1855)	1.47	0.84	1.06	1.4	81.59

Continued

Table S4 continued

A	Group	Sim%	Species	Abund	Sim%	Sim/SD	Cont%	Cum%
			<i>Syllis beneliahuae</i> (Campoy & Alquézar, 1982)	1.32	0.82	1.29	1.37	82.96
			<i>Cirriiformia tentaculata</i> (Montagu, 1808)	1.43	0.79	1.03	1.33	84.29
			<i>Exogone dispar</i> (Webster, 1879)	1.21	0.75	1.35	1.25	85.54
			<i>Syllis gerundensis</i> (Alós & Campoy, 1981)	1.54	0.71	0.77	1.2	86.74
			<i>Harmothoe spinifera</i> (Ehlers, 1864)	1.44	0.69	0.8	1.16	87.9
			<i>Dorvillea</i> sp.	1.07	0.61	1.03	1.03	88.92
			<i>Scoletoma impatiens</i> (Claparède, 1868)	1.07	0.6	1.04	1.01	89.93
			<i>Paraehlersia ferrugina</i> (Langerhans, 1881)	0.92	0.46	0.82	0.76	90.7
Small	48.15		<i>Serpula concharum</i> Langerhans, 1880	4.45	4.93	1.23	10.25	10.25
			Terebellidae	2.91	4.69	5.66	9.74	19.99
			<i>Syllis variegata</i> Grube, 1860	2.67	3.84	2.14	7.98	27.97
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	2.25	3.3	2.48	6.85	34.82
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	2.41	3.05	1.8	6.34	41.16
			<i>Ceratonereis costae</i> (Grube, 1840)	2.61	2.89	1.14	5.99	47.15
			<i>Dodecaceria concharum</i> Örsted, 1843	1.63	2.27	1.71	4.71	51.87
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	2.47	2.25	1.18	4.68	56.54
			<i>Spirobranchus triqueter</i> (Linnaeus, 1758)	2.24	2.18	1.14	4.53	61.07
			<i>Leodice torquata</i> (Quatrefages, 1866)	1.39	2.15	3.7	4.46	65.53
			<i>Notomastus latericeus</i> Sars, 1851	1.66	1.78	1.12	3.7	69.23
			<i>Harmothoe extenuata</i> (Grube, 1840)	1.32	1.6	1.03	3.32	72.55
			<i>Nereis rava</i> Ehlers, 1868	1.43	1.42	0.7	2.94	75.49
			<i>Lysidice unicornis</i> (Grube, 1840)	1.31	1.24	1.09	2.58	78.07
			<i>Phyllodoce madeirensis</i> Langerhans, 1880	0.98	1.03	0.87	2.15	80.22
			<i>Cirriiformia tentaculata</i> (Montagu, 1808)	1.03	0.99	0.82	2.06	82.28
			<i>Nereis</i> sp.	1.21	0.63	0.55	1.32	83.6
			<i>Syllis gerlachi</i> (Hartmann-Schröder, 1960)	0.91	0.55	0.57	1.14	84.73
			<i>Haplosyllis spongicola</i> (Grube, 1855)	0.7	0.49	0.59	1.02	85.76
			<i>Harmothoe areolata</i> (Grube, 1860)	0.79	0.49	0.57	1.02	86.77

Continued

Table S4 continued

A	Group	Sim%	Species	Abund	Sim%	Sim/SD	Cont%	Cum%	
			<i>Hydroides pseudouncinata pseudouncinata</i> Zibrowius, 1968	0.7	0.47	0.58	0.98	87.76	
			<i>Trypanosyllis zebra</i> (Grube, 1860)	0.61	0.47	0.47	0.98	88.73	
			<i>Syllis ferrani</i> Alós & San Martín, 1987	0.85	0.45	0.46	0.93	89.66	
			<i>Scoletoma impatiens</i> (Claparède, 1868)	0.72	0.38	0.47	0.78	90.45	
B	Groups	Diss%	Species	Abund Group 3-6 m	Abund Group 6-8m	Diss%	Diss/SD	Cont%	Cum%
	6-8m & 3-6m	50.71	<i>Serpula concharum</i> Langerhans, 1880	3.41	3.65	1.95	1.2	3.85	3.85
			<i>Notomastus latericeus</i> Sars, 1851	3.59	3.22	1.78	1.31	3.51	7.36
			<i>Ceratonereis costae</i> (Grube, 1840)	3.11	3.19	1.72	1.4	3.38	10.74
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	3.82	2.81	1.44	1.51	2.84	13.58
			<i>Nereis rava</i> Ehlers, 1868	2.33	2.5	1.34	1.3	2.63	16.22
			<i>Spirobranchus triqueter</i> (Linnaeus, 1758)	2.36	1.79	1.31	1.04	2.59	18.81
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	2.34	3.79	1.31	1.42	2.58	21.39
			Terebellidae	4.19	4.13	1.28	1.31	2.52	23.91
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	1.55	2.57	1.27	1.24	2.51	26.41
			<i>Syllis gerlachi</i> (Hartmann-Schröder, 1960)	1	2.3	1.25	1.42	2.46	28.87
			<i>Syllis ferrani</i> Alós & San Martín, 1987	2.22	1.89	1.24	1.33	2.44	31.32
			<i>Nereis</i> sp.	1.87	1.37	1.07	1.2	2.1	33.42
			<i>Syllis variegata</i> Grube, 1860	3.54	3.15	1.02	1.11	2.02	35.44
			<i>Lysidice unicornis</i> (Grube, 1840)	1.82	2.25	1.02	1.45	2.02	37.45
			<i>Harmothoe extenuata</i> (Grube, 1840)	1.87	1.63	0.95	1.44	1.87	39.32
			<i>Dodecaceria concharum</i> Örsted, 1843	2.17	1.75	0.92	1.32	1.81	41.14
			<i>Leodice torquata</i> (Quatrefages, 1866)	1.96	1.8	0.89	1.33	1.75	42.89
			<i>Lumbrineris coccinea</i> (Reni-er, 1804)	1.57	1.02	0.89	1.19	1.75	44.63
			<i>Phyllodoce madeirensis</i> Langerhans, 1880	1.69	1.39	0.85	1.33	1.68	46.31
			<i>Syllis gerundensis</i> (Alós & Campoy, 1981)	1.03	0.83	0.8	1.18	1.58	47.89
			<i>Cirriformia tentaculata</i> (Montagu, 1808)	1.17	1.25	0.78	1.31	1.54	49.43
			<i>Syllis alternata</i> Moore, 1908	0.97	1.09	0.78	1.12	1.53	50.96

Continued

Table S4 continued

B	Groups	Diss%	Species	Abund Group 3-6 m	Abund Group 6 -8m	Diss%	Diss/SD	Cont%	Cum%
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	1.14	0.96	0.76	1.15	1.5	52.45
			Polynoidae	0.35	0.99	0.73	0.94	1.44	53.89
			<i>Harmothoe areolata</i> (Grube, 1860)	0.97	0.92	0.72	1.13	1.42	55.31
			<i>Haplosyllis spongicola</i> (Grube, 1855)	0.74	1.29	0.72	1.31	1.42	56.74
			<i>Lysidice collaris</i> Grube, 1870	0.1	1.04	0.66	0.77	1.31	58.04
			<i>Hydroides pseudouncinata pseudouncinata</i> Zibrowius, 1968	0.27	1.03	0.66	1.3	1.3	59.34
			<i>Harmothoe spinifera</i> (Ehlers, 1864)	0.81	0.71	0.66	0.97	1.3	60.64
			Spionidae	0.48	0.92	0.65	0.95	1.29	61.92
			<i>Scoletoma impatiens</i> (Claparède, 1868)	0.81	0.94	0.64	1.19	1.26	63.19
			<i>Polynoe scolopendrina</i> Savigny, 1822	1	0.57	0.63	1.12	1.25	64.43
			<i>Palola siciliensis</i> (Grube, 1840)	0.85	1.08	0.62	1.19	1.22	65.66
			<i>Trypanosyllis zebra</i> (Grube, 1860)	0.99	1.04	0.61	1.16	1.2	66.86
			<i>Sabellaria</i> sp.	0.69	0.79	0.6	1.11	1.19	68.05
			<i>Exogone dispar</i> (Webster, 1879)	0.68	0.97	0.59	1.23	1.17	69.22
			<i>Syllis beneliahuae</i> (Campoy & Alquézar, 1982)	0.4	0.88	0.59	1.02	1.17	70.39
			<i>Pseudoleiocapitella fauveli</i> Harmelin, 1964	0.17	0.82	0.54	0.83	1.06	71.44
			<i>Dorvillea</i> sp.	0.52	0.66	0.51	1.09	1.01	72.46
			<i>Syllis prolifera</i> Krohn, 1852	0.38	0.52	0.49	0.82	0.96	73.42
			<i>Harmothoe gilchristi</i> Day, 1960	0.69	0.26	0.48	0.9	0.95	74.37
			<i>Syllis gracilis</i> Grube, 1840	0.4	0.46	0.47	0.77	0.93	75.3
			<i>Scoletoma funchalensis</i> (Kinberg, 1865)	0.66	0.29	0.47	0.95	0.93	76.23
			Sabellidae	0.5	0.54	0.47	0.92	0.92	77.16
			<i>Serpula vermicularis</i> Linnaeus, 1767	0.42	0.46	0.47	0.77	0.92	78.08
			<i>Gyptis</i> sp.	0.1	0.64	0.46	0.97	0.91	78.99
			<i>Harmothoe fragilis</i> Moore, 1910	0.36	0.34	0.41	0.69	0.82	79.8
			<i>Paraehlersia ferrugina</i> (Langerhans, 1881)	0.3	0.6	0.41	0.93	0.81	80.61
			<i>Syllis armillaris</i> (O.F. Müller, 1776)	0.57	0.29	0.41	0.91	0.81	81.42
			<i>Vermiliopsis infundibulum</i> (Philippi, 1844)	0.2	0.56	0.4	0.77	0.78	82.2

Continued

Table S4 continued

B	Groups	Diss%	Species	Abund Group 3-6 m	Abund Group 6 -8m	Diss%	Diss/SD	Cont%	Cum%
			Maldanidae	0.4	0.43	0.39	0.89	0.77	82.98
			<i>Pterocirrus macroceros</i> (Grube, 1860)	0.31	0.43	0.39	0.74	0.77	83.75
			<i>Flabelliderma cinari</i> Kar- han, Simboura & Sala- zar-Vallejo, 2012	0.38	0.36	0.38	0.84	0.75	84.5
			<i>Caulleriella viridis</i> (Langer- hans, 1881)	0	0.52	0.36	0.83	0.72	85.21
			<i>Myrianida</i> sp.	0.17	0.4	0.34	0.78	0.67	85.89
			<i>Paleanotus chrysolepis</i> Sch- marda, 1861	0.3	0.33	0.32	0.75	0.63	86.52
			<i>Aphelochaeta filiformis</i> (Keferstein, 1862)	0.34	0.23	0.31	0.73	0.6	87.12
			<i>Serpula</i> sp.	0.2	0.35	0.3	0.75	0.6	87.72
			<i>Paucibranchia fallax</i> (Mari- on & Bobretzky, 1875)	0.28	0.27	0.3	0.74	0.59	88.31
			<i>Exogone rostrata</i> Naville, 1933	0.1	0.48	0.3	0.7	0.59	88.9
			<i>Lepidonotus clava</i> (Mon- tagu, 1808)	0.1	0.42	0.28	0.73	0.55	89.45
			<i>Scoletoma fragilis</i> (O.F. Müller, 1776)	0.38	0.07	0.28	0.66	0.54	89.99
			<i>Perinereis cultrifera</i> (Grube, 1840)	0	0.47	0.27	0.38	0.54	90.53
Big & Small	54.28		<i>Notomastus latericeus</i> Sars, 1851	5.22	1.66	2.3	1.68	4.24	4.24
			<i>Serpula concharum</i> Langer- hans, 1880	2.59	4.45	1.94	1.47	3.58	7.82
			Terebellidae	5.51	2.91	1.73	1.67	3.18	11
			<i>Ceratonereis costae</i> (Grube, 1840)	3.75	2.61	1.7	1.38	3.12	14.13
			<i>Eunice vittata</i> (Delle Chiaje, 1828)	4.27	2.25	1.65	1.71	3.03	17.16
			<i>Syllis ferrani</i> Alós & San Martín, 1987	3.29	0.85	1.64	1.83	3.01	20.17
			<i>Nereis rava</i> Ehlers, 1868	3.52	1.43	1.5	1.35	2.76	22.94
			<i>Syllis gerlachi</i> (Hart- mann-Schröder, 1960)	2.73	0.91	1.41	1.49	2.59	25.53
			<i>Lysidice ninetta</i> Audouin & H Milne Edwards, 1833	4.08	2.41	1.35	1.41	2.49	28.02
			<i>Lysidice unicornis</i> (Grube, 1840)	2.92	1.31	1.17	1.49	2.16	30.18
			<i>Vermiliopsis striaticeps</i> (Grube, 1862)	1.84	2.47	1.17	1.37	2.15	32.33
			<i>Syllis variegata</i> Grube, 1860	4	2.67	1.12	1.19	2.06	34.39
			<i>Spirobranchus triqueter</i> (Linnaeus, 1758)	1.78	2.24	1.12	1.24	2.05	36.44
			<i>Nereis</i> sp.	1.97	1.21	1.07	1.57	1.96	38.41
			<i>Lumbrineris coccinea</i> (Reni- er, 1804)	2.01	0.53	1.06	1.33	1.96	40.37

Continued

Table S4 continued

B	Groups	Diss%	Species	Abund Group 3-6 m	Abund Group 6 -8m	Diss%	Diss/SD	Cont%	Cum%
			<i>Leodice torquata</i> (Quatrefages, 1866)	2.39	1.39	0.99	1.4	1.83	42.19
			<i>Phyllodoce madeirensis</i> Langerhans, 1880	2.09	0.98	0.99	1.52	1.82	44.01
			<i>Syllis alternata</i> Moore, 1908	1.59	0.53	0.91	1.39	1.68	45.69
			<i>Syllis gerundensis</i> (Alós & Campoy, 1981)	1.54	0.34	0.91	1.26	1.68	47.37
			<i>Polynoe scolopendrina</i> Savigny, 1822	1.4	0.13	0.91	1.9	1.67	49.04
			<i>Harmothoe spinifera</i> (Ehlers, 1864)	1.44	0.11	0.89	1.25	1.65	50.68
			<i>Harmothoe extenuata</i> (Grube, 1840)	2.16	1.32	0.89	1.26	1.63	52.31
			<i>Dodecaceria concharum</i> Örsted, 1843	2.24	1.63	0.86	1.13	1.59	53.9
			<i>Lumbrineris latreilli</i> Audouin & Milne Edwards, 1833	1.5	0.61	0.85	1.53	1.56	55.46
			<i>Syllis beneliahuae</i> (Campoy & Alquézar, 1982)	1.32	0.11	0.84	1.42	1.55	57.01
			<i>Haplosyllis spongicola</i> (Grube, 1855)	1.47	0.7	0.75	1.38	1.38	58.39
			<i>Cirriformia tentaculata</i> (Montagu, 1808)	1.43	1.03	0.74	1.3	1.35	59.74
			Polynoidae	0.87	0.61	0.72	0.95	1.33	61.07
			<i>Lysidice collaris</i> Grube, 1870	1.01	0.34	0.72	0.78	1.33	62.39
			<i>Harmothoe areolata</i> (Grube, 1860)	1.09	0.79	0.7	1.17	1.28	63.68
			<i>Palola siciliensis</i> (Grube, 1840)	1.34	0.67	0.68	1.42	1.25	64.93
			Spionidae	1.02	0.49	0.66	1	1.22	66.14
			<i>Trypanosyllis zebra</i> (Grube, 1860)	1.46	0.61	0.65	1.4	1.2	67.35
			<i>Exogone dispar</i> (Webster, 1879)	1.21	0.53	0.65	1.4	1.19	68.54
			<i>Dorvillea</i> sp.	1.07	0.19	0.64	1.37	1.18	69.72
			<i>Scoletoma impatiens</i> (Claparède, 1868)	1.07	0.72	0.61	1.35	1.12	70.84
			<i>Sabellaria</i> sp.	1.08	0.45	0.6	1.14	1.11	71.95
			<i>Paraehlersia ferrugina</i> (Langerhans, 1881)	0.92	0.08	0.58	1.21	1.06	73.01
			<i>Pseudoleiocapitella fauveli</i> Harmelin, 1964	0.76	0.38	0.55	0.85	1	74.02
			<i>Hydroides pseudouncinata pseudouncinata</i> Zibrowius, 1968	0.75	0.7	0.5	1.14	0.92	74.94
			<i>Syllis prolifera</i> Krohn, 1852	0.62	0.32	0.49	0.83	0.9	75.84
			<i>Syllis gracilis</i> Grube, 1840	0.54	0.34	0.46	0.8	0.85	76.69
			<i>Scoletoma funchalensis</i> (Kinberg, 1865)	0.63	0.26	0.45	0.94	0.83	77.51

Continued

Table S4 continued

B	Groups	Diss%	Species	Abund Group 3-6 m	Abund Group 6 -8m	Diss%	Diss/SD	Cont%	Cum%
			<i>Pterocirrus macroceros</i> (Grube, 1860)	0.63	0.15	0.44	0.78	0.8	78.32
			Sabellidae	0.6	0.46	0.43	1.03	0.8	79.12
			<i>Harmothoe gilchristi</i> Day, 1960	0.55	0.32	0.43	0.86	0.79	79.91
			<i>Exogone rostrata</i> Naville, 1933	0.68	0	0.43	0.88	0.79	80.7
			<i>Serpula vermicularis</i> Lin- naeus, 1767	0.35	0.53	0.43	0.81	0.79	81.48
			<i>Vermiliopsis infundibulum</i> (Philippi, 1844)	0.42	0.42	0.4	0.91	0.73	82.22
			<i>Paleanotus chrysolepis</i> Sch- marda, 1861	0.58	0.08	0.39	0.86	0.73	82.94
			<i>Gyptis</i> sp.	0.43	0.42	0.39	0.96	0.71	83.66
			Maldanidae	0.54	0.31	0.38	0.87	0.71	84.37
			<i>Syllis armillaris</i> (O.F. Müller, 1776)	0.44	0.37	0.38	0.92	0.7	85.06
			<i>Harmothoe fragilis</i> Moore, 1910	0.35	0.36	0.37	0.73	0.68	85.74
			<i>Flabelliderma cinari</i> Kar- han, Simboura & Sala- zar-Vallejo, 2012	0.45	0.29	0.37	0.95	0.67	86.42
			<i>Aphelochaeta filiformis</i> (Keferstein, 1862)	0.45	0.11	0.35	0.85	0.65	87.06
			<i>Leiochrides australis</i> Auge- ner, 1914	0.51	0.11	0.33	0.66	0.61	87.67
			<i>Branchiosyllis exilis</i> (Gravi- er, 1900)	0.48	0	0.31	0.76	0.57	88.24
			<i>Caulleriella viridis</i> (Langer- hans, 1881)	0.33	0.29	0.31	0.85	0.56	88.81
			<i>Lepidonotus clava</i> (Mon- tagu, 1808)	0.4	0.19	0.3	0.78	0.55	89.36
			<i>Paucibranchia fallax</i> (Mari- on & Bobretzky, 1875)	0.4	0.15	0.3	0.77	0.55	89.9
			<i>Perinereis cultrifera</i> (Grube, 1840)	0.26	0.3	0.3	0.42	0.55	90.45

Table A5. Results of DISTLM analyses testing the response of biological data to environmental variables. Adj R² = adjusted R-squared; SS = sums of squares; Pseudo-F = pseudo-F ratio; P = permutational probability; Prop. = proportion of the variation; Cumul = cumulative proportion of the variation. Significant P-values (P < 0.05) are in bold.

Species abundance total matrix							
MARGINAL TESTS							
Variable	SS(trace)	Pseudo-F	P	Prop.			
Depth	5449.8	2.796	0.013	0.070			
Volume	5372.3	2.754	0.013	0.069			
SEQUENTIAL TESTS							
Variable	Adj R ²	SS(trace)	Pseudo-F	P	Prop.	Cumul.	res.df
Depth	0.045136	5449.8	2.796	0.012	0.070	0.070	37
Volume	0.090891	5311	2.862	0.011	0.068	0.139	36
Species abundance Aegean samples matrix							
MARGINAL TESTS							
Variable	SS(trace)	Pseudo-F	P	Prop.			
Depth	2736.7	1.917	0.026	0.138			
Volume	1661	1.095	0.360	0.084			
SEQUENTIAL TESTS							
Variable	Adj R ²	SS(trace)	Pseudo-F	P	Prop.	Cumul.	res.df
Depth	0.066	2736.7	1.917	0.027	0.138	0.138	12
Species abundance Adriatic samples matrix							
MARGINAL TESTS							
Variable	SS(trace)	Pseudo-F	P	Prop.			
Depth	1770.7	1.358	0.157	0.056			
Volume	5648.6	4.975	0.0001	0.178			
SEQUENTIAL TESTS							
Variable	Adj R ²	SS(trace)	Pseudo-F	P	Prop.	Cumul.	res.df
Volume	0.1421	5648.6	4.975	0.0001	0.178	0.178	23
Depth	0.17159	1994	1.819	0.027	0.063	0.241	22
Feeding guild matrix							
MARGINAL TESTS							
Variable	SS(trace)	Pseudo-F	P	Prop.			
Depth	2739.3	5.293	0.003	0.125			
Volume	2895.5	5.640	0.002	0.132			
SEQUENTIAL TESTS							
Variable	Adj R ²	SS(trace)	Pseudo-F	P	Prop.	Cumul.	res.df
Volume	0.10883	2895.5	5.640	0.002	0.132	0.132	37
Depth	0.20484	2504.4	5.468	0.002	0.114	0.247	36
Biogeography matrix							
MARGINAL TESTS							
Variable	SS(trace)	Pseudo-F	P	Prop.			
Depth	2287.7	5.110	0.004	0.121			
Volume	2239.8	4.988	0.003	0.119			
SEQUENTIAL TESTS							
Variable	Adj R ²	SS(trace)	Pseudo-F	P	Prop.	Cumul.	res.df
Depth	0.097593	2287.7	5.110	0.004	0.121	0.121	37
Volume	0.18766	2056.4	5.102	0.002	0.109	0.230	36

Table A6. Results of KW chi-squared testing differences of biological indices between areas, depths and colony sizes. S = polychaete richness, N = polychaete abundance, J = Pielou equitability index, H' = Shannon diversity index, Sf = feeding richness, Hf = feeding diversity, df = degrees of freedom. Significant p-values ($p < 0.05$) are in bold.

	Geographic area			Area + Depth			Area + Size		
	KW chi-squared	df	p	KW chi-squared	df	p	KW chi-squared	df	p
S	6.06	1	0.0138	8.55	3	0.0358	19.93	3	0.0002
N	5.21	1	0.0224	7.49	3	0.0579	18.58	3	0.0003
J	0.17	1	0.6819	0.79	3	0.8525	2.97	3	0.3957
H'	8.23	1	0.0041	10.48	3	0.0149	19.59	3	0.0002
Sf	16.88	1	0.00004	14.14	3	0.0027	26.06	3	0.00001
Hf	12.76	1	0.0004	18.76	3	0.0003	15.94	3	0.0012

Table A7. Results of pairwise comparisons testing differences of biological indices between areas. (Ad = adriatic, Ae = Aegean), depths (3-6m, 6-8m, 15-19m) and colony sizes (small= <1 dm³, big= >1 dm³). S = taxa richness, N = abundance, H' = Shannon-Wiener diversity index, J = Pielou index of equitability, feeding richness (Sf) and feeding diversity (Hf). Significant p-values ($p < 0.05$) are in bold.

	Area + Depth			Area + Size			
	S			S			
	Ad_Big	Ad_Small	Ae_Big	Ad_3-6m	Ad_6-8m	Ae_15-19m	
Ad_Small	0.0007			Ad_6-8m	1		
Ae_Big	0.0034	1		Ae_15-19m	0.06	0.27	
Ae_Small	0.0580	1	1	Ae_3-6m	0.72	1	1
N				N			
	Ad_Big	Ad_Small	Ae_Big	Ad_3-6m	Ad_6-8m	Ae_15-19m	
Ad_Small	0.0003			Ad_6-8m	1		
Ae_Big	0.0003	1		Ae_15-19m	0.128	0.081	
Ae_Small	0.1164	1	1	Ae_3-6m	1	1	0.769
J				J			
	Ad_Big	Ad_Small	Ae_Big	Ad_3-6m	Ad_6-8m	Ae_15-19m	
Ad_Small	1			Ad_6-8m	1		
Ae_Big	1	1		Ae_15-19m	1	1	
Ae_Small	1	1	1	Ae_3-6m	1	1	1
H'				H'			
	Ad_Big	Ad_Small	Ae_Big	Ad_3-6m	Ad_6-8m	Ae_15-19m	
Ad_Small	0.0016			Ad_6-8m	0.863		
Ae_Big	0.0056			Ae_15-19m	0.082	0.798	
Ae_Small	0.0019	0.5672	0.8811	Ae_3-6m	0.04	1	1
Sf				Sf			
	Ad_Big	Ad_Small	Ae_Big	Ad_3-6m	Ad_6-8m	Ae_15-19m	
Ad_Small	1			Ad_6-8m	0.0018		
Ae_Big	0.0056	0.0062		Ae_15-19m	0.0007	0.0384	
Ae_Small	0.1577	0.0586	0.1704	Ae_3-6m	0.0058	0.8462	0.8733
Hf				Hf			
	Ad_Big	Ad_Small	Ae_Big	Ad_3-6m	Ad_6-8m	Ae_15-19m	
Ad_Small	1			Ad_6-8m	0.46104		
Ae_Big	0.0046	0.0185		Ae_15-19m	0.00049	0.2185	
Ae_Small	0.1571	0.6528	1	Ae_3-6m	0.02327	1	1

Table A8. Results of SIMPER analyses (cut-off 100%) used to identify biogeographic groups that mostly contribute to similarity (A) within Aegean and Adriatic, and (B) dissimilarity (B) between Aegean and Adriatic Sea. Abund = mean abundance, Sim% = mean similarity, Sim/SD = similarity/standard deviation, Cont% = contribution relative to single taxon, Cum% = cumulative contribution, Av.Ab = mean abundance, Diss% = mean dissimilarity, Diss/SD = dissimilarity/standard deviation. Explanation of abbreviations are in Table A1.

A	Group	Sim%	Biogeographic groups	Abund	Sim%	Sim/SD	Cont%	Cum%	
Aegean	75.96	c	7.75	30.9	7.81	40.67	40.67		
		am	6.93	24.41	3.93	32.14	72.81		
		NA	2.85	10.01	2.81	13.17	85.98		
		amrip	1.93	5.74	1.5	7.56	93.55		
		amip	1.12	3.34	1.17	4.39	97.94		
		amr	0.58	0.63	0.32	0.83	98.77		
		m	0.42	0.48	0.34	0.64	99.41		
		d	0.46	0.45	0.35	0.59	100		
Adriatic	73.57	c	8.89	19.62	4.91	26.67	26.67		
		am	7.22	15.9	3.67	21.61	48.29		
		NA	5.64	12.45	5.04	16.92	65.21		
		amip	2.52	5.34	2.61	7.26	72.47		
		amrip	2.63	5.28	3.48	7.17	79.64		
		amr	2.61	4.85	1.78	6.59	86.23		
		m	2.76	4.19	1.29	5.69	91.93		
		amp	1.96	3.93	1.76	5.34	97.26		
		d	1.3	1.7	0.92	2.31	99.58		
		aa	0.28	0.15	0.27	0.21	99.78		
		iam	0.23	0.09	0.18	0.12	99.9		
		mrip	0.23	0.07	0.18	0.1	100		
B	Groups	Diss%	Biogeographic groups	Abund Aegean	Abund Adriatic	Diss%	Diss/SD	Cont%	Cum%
Aegean & Adriatic	33.9	am	6.93	7.22	5.08	1.33	14.97	14.97	
		c	7.75	8.89	4.95	1.51	14.59	29.56	
		NA	2.85	5.64	4.79	1.61	14.14	43.7	
		m	0.42	2.76	3.96	1.65	11.69	55.39	
		amr	0.58	2.61	3.78	1.46	11.16	66.55	
		amp	0	1.96	3.39	2.05	10.01	76.56	
		amip	1.12	2.52	2.56	1.32	7.56	84.12	
		amrip	1.93	2.63	2.32	1.31	6.85	90.97	
		d	0.46	1.3	1.93	1.25	5.68	96.65	
		aa	0	0.28	0.41	0.62	1.22	97.88	
		iam	0	0.23	0.38	0.5	1.13	99	
		mrip	0	0.23	0.34	0.47	1	100	