

# **Supplement**

# **Influence of chemosynthetic ecosystems on nematode community structure and biomass in the deep eastern Mediterranean Sea**

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**Table S1.** Meiofauna major taxa (presence/absence data found at the different microhabitats (Biv: bivalve shells; Pcc: periphery of carbonate crusts; Red: reduced sediments; Top: summit of the mud volcano; Lam: *Lamellibrachia* microhabitat; Plam: periphery of *Lamellibrachia*; Pfar: far periphery).

Taxa	Amsterdam							Napoli							Anaximander mud field Pfar MTB-5		
	Biv CT-05	CT-11	Pcc CT-14	CT-15	Red CT-04	Top KGS-22A	KGS-22B	Biv CT-18	CT-19	Lam CT-07	CT-10	CT-13	Pcc CT-25	CT-27		Plam CT-29	CT-31
Nematoda	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Copepoda	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Copepoda nauplii	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Polychaeta	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Annelida (incertae sedis)																	*
Oligochaeta		*	*	*	*		*	*									*
Amphipoda				*													*
Cumacea				*	*												*
Gastrotricha	*	*	*	*		*							*				*
Halacaroida (Mites)			*				*	*	*				*	*			*
Isopoda	*	*	*	*			*	*					*		*		*
Kinorhyncha			*	*											*		*
Mollusca (Gastropoda)							*										*
Mollusca (Bivalvia)	*	*	*	*	*			*	*				*	*		*	*
Ostracoda	*	*	*	*	*	*		*	*	*	*	*	*	*	*	*	*
Priapulida	*		*	*				*	*	*	*	*	*	*	*	*	*
Rotifera	*		*	*	*			*	*	*	*	*	*	*	*	*	*
Sarcomastigophora						*									*	*	*
Sipuncula		*						*	*		*					*	*
Tanaidacea						*	*									*	*
Tardigrada																	*
Turbellaria	*	*	*	*		*	*	*	*	*	*	*	*	*	*	*	*
Tantulocarida	*					*	*	*	*	*	*	*	*	*	*	*	*
Unidentified	*		*		*	*				*			*	*			*

**Table S2.** Summary of two-way ANOVA for factors "Area" and Microhabitat" (significant differences are highlighted in bold) and Tukey HSD post-hoc test.

Variable	Source of variability	Df	Sum Sq	Mean Sq	F value	Pr(>F)		Tukey HSD test	
								Amsterdam	Napoli
Meiofauna	Area	2	5.74500	2.87250	11.33800	<b>0.00462</b>			
	Microhabitat	5	0.97600	0.19510	0.77000	0.59673	Napoli	*	
	Area × Microhabitat	1	0.06000	0.05960	0.23500	0.64071	Anax. mud field	**	ns
	Residuals	8	2.02700	0.25330					
Nematoda	Area	2	5.40600	2.70290	9.08600	<b>0.00873</b>	Napoli	ns	
	Microhabitat	5	1.27000	0.25400	0.85400	0.54942	Anax. mud field	*	ns
	Area × Microhabitat	1	0.02900	0.02910	0.09800	0.76252			
	Residuals	8	2.38000	0.29750					

\* $P < .05$ , \*\* $P < .01$