

**Supplementary material to:**

**Interannual variation in the zooplankton community of the North Adriatic Sea under short term climatic anomalies**

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**Table S1.** Results of univariate PERMANOVA main test and pairwise-test carried out separately on each environmental variable. The factors used are explained in Table 1. df= degrees of freedom; MS= mean square; Pseudo-F= statistic F; t= statistic t for pairwise comparisons.

Temperature				
MAIN TEST				
Source	df	MS	Pseudo-F	P(perm)
Year	1	0.007	1.040	0.355
In-offshore	1	0.198	31.487	<0.001
Subarea	1	0.009	1.400	0.272
YearxIn-offshore	1	0.006	0.874	0.393
YearxSubarea	1	0.035	5.541	0.032
PAIR-WISE TESTS				
Term 'YearXSubarea' for pairs of levels of factor 'Year'				
Within level 'North' of factor 'Subarea'				
Groups	t	P(perm)		
2019 <i>vs.</i> 2022	2.640	0.028		
Within level 'South' of factor 'Subarea'				
Groups	t	P(perm)		
2019 <i>vs.</i> 2022	0.355	0.741		
Salinity				
MAIN TEST				
Source	df	MS	Pseudo-F	P(perm)
Year	1	4.778	27.753	<0.001
In-offshore	1	8.729	50.702	<0.001
Subarea	1	2.777	16.131	0.002
YearxIn-offshore	1	1.923	11.171	0.006
YearxSubarea	1	0.055	0.319	0.580
PAIR-WISE TESTS				
Term 'YearxIn-offshore' for pairs of levels of factor 'Year'				
Within level 'Inshore' of factor 'Inshore vs. offshore'				
Groups	t	P(perm)		
2019 <i>vs.</i> 2022	4.936	0.006		
Within level 'Offshore' of factor 'In-offshore'				
Groups	t	P(perm)		
2019 <i>vs.</i> 2022	1.968	0.097		
Fluorescence				

MAIN TEST				
Source	df	MS	Pseudo-F	P(perm)
Year	1	0.509	15.172	0.003
In-offshore	1	0.367	10.950	0.007
Subarea	1	0.240	7.153	0.019
YearxIn-offshore	1	0.211	6.287	0.024
YearxSubarea	1	0.065	1.949	0.193

#### PAIR-WISE TESTS

Term 'YearxIn-offshore' for pairs of levels of factor 'Year'

Within level 'Inshore' of factor 'Inshore vs. offshore'

Groups	t	P(perm)
2019 vs. 2022	3.458	0.016

Within level 'Offshore' of factor 'In-offshore'

Groups	t	P(perm)
2019 vs. 2022	1.835	0.115

#### Oxygen saturation

MAIN TEST				
Source	df	MS	Pseudo-F	P(perm)
Year	1	10.299	1.680	0.225
In-offshore	1	75.185	12.262	0.006
Subarea	1	15.037	2.452	0.142
YearxIn-offshore	1	1.219	0.199	0.674
YearxSubarea	1	23.882	3.895	0.071

**Table S2.** Results of univariate PERMANOVA main test and pairwise-test carried out on the values of total abundance, total biomass, species richness and H' index values obtained from the zooplankton analysis. The factors used are explained in Table 1. df=degrees of freedom; MS= mean square; Pseudo-F= statistic F; t=statistic t for pairwise comparisons.

Total abundance				
MAIN TEST				
Source	df	MS	Pseudo-F	P(perm)
Year	1	1.072	1.883	0.197
In-offshore	1	2.072	3.641	0.080
Subarea	1	3.749	6.589	0.024
YearxIn-offshore	1	0.002	0.004	0.955
YearxSubarea	1	0.963	1.692	0.223

#### Total biomass

MAIN TEST				
Source	df	MS	Pseudo-F	P(perm)

Year	1	0.013	0.012	0.922
In-offshore	1	7.708	7.028	0.016
Subarea	1	3.942	3.594	0.077
YearxIn-offshore	1	0.112	0.102	0.779
YearxSubarea	1	0.198	0.181	0.705

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### Species richness

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#### MAIN TEST

Source	df	MS	Pseudo-F	P(perm)
Year	1	0.192	11.090	0.008
In-offshore	1	0.366	21.177	0.001
Subarea	1	0.021	1.198	0.297
YearxIn-offshore	1	0.002	0.105	0.758
YearxSubarea	1	0.118	6.849	0.021

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#### PAIR-WISE TESTS

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Term 'YearXSubarea' for pairs of levels of factor 'Year'

Within level 'North' of factor 'Subarea'

Groups	t	P(perm)
2019 vs. 2022	0.593	0.565

Within level 'South' of factor 'Subarea'

Groups	t	P(perm)
2019 vs. 2022	3.518	0.045

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### H' index

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#### MAIN TEST

Source	df	MS	Pseudo-F	P(perm)
Year	1	0.024	0.519	0.504
In-offshore	1	0.129	2.751	0.123
Subarea	1	0.041	0.873	0.400
YearxIn-offshore	1	0.005	0.110	0.745
YearxSubarea	1	0.232	4.930	0.039

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#### PAIR-WISE TESTS

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Term 'YearXSubarea' for pairs of levels of factor 'Year'

Within level 'North' of factor 'Subarea'

Groups	t	P(perm)
2019 vs. 2022	1.945	0.028

Within level 'South' of factor 'Subarea'

Groups	t	P(perm)
2019 vs. 2022	1.696	0.143

**Table S3.** Results of Multivariate PERMANOVA main test and pairwise-test performed on the matrix of relative abundance (individuals per m<sup>2</sup>) for all taxa identified during zooplankton analysis. The factors used are explained in Table 1. df= degrees of freedom; MS= mean square; Pseudo-F= statistic F; t= statistic t for pairwise comparisons.

MAIN TEST				
Source	df	MS	Pseudo-F	P(perm)
Year	1	1601.900	4.453	<0.001
In-offshore	1	3157.900	8.778	<0.001
Subarea	1	3232.800	8.986	<0.001
YearxIn-offshore	1	636.820	1.770	0.070
YearxSubarea	1	834.320	2.319	0.018

  

PAIR-WISE TESTS		
Term 'YearXSubarea' for pairs of levels of factor 'Year'		
Within level 'North' of factor 'Subarea'		
Groups	t	P(perm)
2019 vs. 2022	2.051	0.002

  

Within level 'South' of factor 'Subarea'		
Groups	t	P(perm)
2019 vs. 2022	1.613	0.029

**Table S4.** Output of SIMPER analysis conducted on the Bray Curtis resemblance matrix of relative abundance (individuals per m<sup>2</sup>) for all taxa identified during zooplankton analysis. Cut-off for low contribution at 50%. Av.Abund = average abundance; Av.Diss= average dissimilarity; Contrib %= percentage of variance explained by the explanatory variables; Cum. %= cumulative percentage of variance explained by the explanatory variables.

Average dissimilarity = 40.00						
	2019	2022				
Species	Av.Abund	Av.Abund	Av.Diss	Diss/SD	Contrib%	Cum.%
<i>Noctiluca scintillans</i>	9.37	0	2.12	2.03	5.3	5.3
<i>Pleopis polyphemoides</i>	5.89	3.2	1.04	1.27	2.59	7.89
<i>Evadne nordmanni</i>	4.41	0	0.99	1.42	2.46	10.35
<i>Doliolina muelleri</i>	6.24	4.72	0.96	1.41	2.4	12.75
<i>Calanus helgolandicus</i>	4.02	4.84	0.88	1.29	2.21	14.96
Clauso-Paracalanidae	2.7	3.59	0.87	1.1	2.17	17.13
<i>Centropages ponticus</i>	3.59	4.33	0.83	1.26	2.07	19.2
Ophiopluteus	6.18	5.5	0.81	1.22	2.02	21.23
<i>Penilia avirostris</i>	6.34	7.5	0.77	1.2	1.93	23.16
<i>Pseudevadne tergestina</i>	1.27	3.3	0.73	1.12	1.83	24.99
<i>Calocalanus sp.</i>	3.56	0.9	0.72	1.21	1.79	26.78
<i>Podon intermedius</i>	4	1.91	0.7	1.36	1.75	28.53
Chaetognatha	4.12	5.8	0.66	1.22	1.65	30.18
<i>Muggiaea atlantica</i>	3.26	3.77	0.65	1.38	1.64	31.82
<i>Temora longicornis</i>	2.31	3.17	0.65	1.27	1.61	33.43

Cirripedia (nauplius)	2.82	1.61	0.64	1.11	1.6	35.03
Anthoathecata	2.65	3.79	0.63	1.33	1.58	36.61
<i>Muggiaea</i> sp. (Eudoxid)	6.18	6.49	0.62	1.26	1.54	38.15
<i>Euterpina acutifrons</i>	4.14	2.57	0.61	1.22	1.53	39.69
Auricularia	3.16	2.27	0.61	1.28	1.52	41.21
<i>Paraeuchaeta hebes</i>	2.17	1.55	0.59	0.87	1.47	42.68
<i>Evadne spinifera</i>	5.96	7.34	0.58	0.89	1.46	44.14
<i>Corycaeus</i> sp.	1.02	2.48	0.56	1.16	1.39	45.53
<i>Temora stylifera</i>	2.7	0	0.55	0.94	1.37	46.9
<i>Centropages typicus</i>	6.39	5.7	0.54	1.01	1.36	48.26
Anchovy larvae	3.13	3.5	0.54	1.4	1.34	49.6
Actinotroch	1.68	2.51	0.53	1.26	1.33	50.93

**Table S5.** Results of the marginal and the sequential test for the DistLM model, with an indication of the best model. AIC: Akaike information criterion, Prop.: proportion of variation explained by each variable, Cumul.: cumulative, SS(trace): portion of sum of squares relative to the analyzed predictor variable, No. vars: number of variables, Res. df: residual degrees of freedom, RSS: residual sum of squares.

MARGINAL TESTS							
Variable	SS(trace)	Pseudo-F	P	Prop.			
Temperature (C°)	2017	2.799	0.013	0.135			
Salinity (PSU)	3301.7	5.086	<0.001	0.220			
SEQUENTIAL TESTS							
Variable	AIC	SS(trace)	Pseudo-F	P	Prop.	Cumul.	res.df
Salinity (PSU)	131.41	3301.7	5.086	<0.001	0.220	0.220	18
Temperature (C°)	130.22	1720.2	2.934	0.005	0.115	0.335	17
BEST SOLUTION							
AIC	R²	RSS	No.Vars	Selections			
130.22	0.335	9965.7	2	2;6			

**Table S6.** Matrix of taxa identified during zooplankton sorting of 2019 samples, expressed as individuals per m<sup>2</sup>.

Phylum	Class	Specie	4_2019	14_2019	17_2019	22_2019	23_2019	30_2019	33_2019	38_2019	43_2019	48_2019
Annelida	Polychaeta	Tomopteridae	0	0	0	0	0	0	0	0	0	0
Annelida	Polychaeta	Polychaeta	784	170	699	306	945	180	603	55	125	102
Annelida	Polychaeta	Trochophore	0	0	0	0	0	0	0	0	0	0
Arthropoda	Branchiopoda	<i>Penilia avirostris</i>	0	1113	1099	106	3307	4288	3922	8106	31	1819
Arthropoda	Branchiopoda	<i>Evadne nordmanni</i>	592	341	507	98	9928	1987	0	71	0	0
Arthropoda	Branchiopoda	<i>Evadne spinifera</i>	0	705	399	0	3779	12549	4072	498	1092	2529
Arthropoda	Branchiopoda	<i>Pleopis polyphemoides</i>	3184	1719	11085	4436	10558	1882	0	7111	0	0
Arthropoda	Branchiopoda	<i>Podon intermedius</i>	82	0	8	91	953	112	2413	0	289	44
Arthropoda	Branchiopoda	<i>Pseudevadne tergestina</i>	0	8	0	0	0	0	0	284	0	133
Arthropoda	Copepoda	<i>Acartia</i> sp.	28361	34603	59721	7605	117945	17883	11463	2489	1092	8164
Arthropoda	Copepoda	<i>Aetideus armatus</i>	0	0	0	0	0	0	0	0	8	0
Arthropoda	Copepoda	<i>Calanus helgolandicus</i>	0	0	116	0	1590	1360	10137	0	1092	102
Arthropoda	Copepoda	<i>Mesocalanus tenuicornis</i>	0	0	0	0	0	0	63	8	425	0
Arthropoda	Copepoda	<i>Nannocalanus minor</i>	0	0	0	0	0	0	619	0	433	0
Arthropoda	Copepoda	<i>Candacia giesbrechti</i>	0	0	0	0	0	0	0	0	16	0
Arthropoda	Copepoda	<i>Candacia varicans</i>	0	0	0	0	0	361	24	0	16	0
Arthropoda	Copepoda	<i>Centropages kroyeri</i>	0	0	0	0	315	0	0	0	0	185
Arthropoda	Copepoda	<i>Centropages ponticus</i>	1407	1370	200	94	0	732	0	142	0	0
Arthropoda	Copepoda	<i>Centropages typicus</i>	815	713	300	149	2685	1673	3342	213	690	97
Arthropoda	Copepoda	<i>Isias clavipes</i>	0	0	0	0	0	0	0	8	0	47
Arthropoda	Copepoda	<i>Diaixis pygmaea</i>	0	0	0	0	0	1046	0	8	410	0
Arthropoda	Copepoda	<i>Pareucalanus sewelli</i>	0	0	0	0	0	0	24	0	24	0
Arthropoda	Copepoda	<i>Paraeuchaeta hebes</i>	0	0	0	0	0	0	1381	8	3725	55
Arthropoda	Copepoda	<i>Calocalanus</i> sp.	0	0	0	0	1890	1464	619	71	417	52
Arthropoda	Copepoda	<i>Mecynocera clausi</i>	0	0	0	0	0	0	619	0	554	16
Arthropoda	Copepoda	<i>Pontella mediterranea</i>	0	0	0	8	0	0	0	0	0	0
Arthropoda	Copepoda	<i>Pseudodiaptomus marinus</i>	0	0	0	0	0	8	0	8	0	1282
Arthropoda	Copepoda	<i>Temora longicornis</i>	0	0	507	71	8	426	0	8	8	0
Arthropoda	Copepoda	<i>Temora styliфера</i>	0	0	0	0	0	740	468	24	157	407
Arthropoda	Copepoda	Calanoida	13551	25679	30759	3531	58894	21961	19306	7395	9283	4614
Arthropoda	Copepoda	Clauso-Paracalanidae	0	0	0	0	630	0	9050	8	11058	0
Arthropoda	Copepoda	<i>Corycaeus</i> sp.	0	0	0	0	0	0	167	0	160	0
Arthropoda	Copepoda	<i>Farranula rostrata</i>	0	0	0	0	0	0	2119	71	827	0

Arthropoda	Copepoda	<i>Oithona sp.</i>	8590	9468	30160	9416	95899	59296	27602	30150	23754	3106
Arthropoda	Copepoda	<i>Oncaea sp.</i>	148	76	200	31	1260	1778	6486	142	3990	266
Arthropoda	Copepoda	<i>Copilia mediterranea</i>	0	0	0	0	0	0	16	0	180	0
Arthropoda	Copepoda	<i>Sapphirina nigromaculata</i>	0	0	0	0	0	0	8	0	0	0
Arthropoda	Copepoda	<i>Microsetella rosea</i>	0	0	0	0	0	0	0	0	63	0
Arthropoda	Copepoda	<i>Goniopsyllus clausi</i>	0	0	100	0	0	8	0	0	31	0
Arthropoda	Copepoda	<i>Euterpina acutifrons</i>	296	144	0	78	323	531	151	71	0	141
Arthropoda	Copepoda	Copepoda (nauplius)	1777	341	1798	125	3937	4601	151	356	137	452
Arthropoda	Malacostraca	<i>Lestrigonus schizogeneios</i>	0	0	0	0	0	0	8	0	16	0
Arthropoda	Malacostraca	Alpheidae	31	0	0	0	8	0	24	0	8	0
Arthropoda	Malacostraca	Callianassidae	0	0	0	0	8	31	533	0	63	8
Arthropoda	Malacostraca	Crangonidae	8	0	8	0	0	16	0	0	0	0
Arthropoda	Malacostraca	<i>Diogenes pugilator</i>	0	16	0	0	0	0	0	0	0	0
Arthropoda	Malacostraca	Dromiidae	0	0	0	0	0	0	0	0	0	0
Arthropoda	Malacostraca	Galatheidae	0	0	0	0	0	0	0	0	0	0
Arthropoda	Malacostraca	Hippolytidae	0	0	16	0	0	0	0	8	0	0
Arthropoda	Malacostraca	<i>Jaxea nocturna</i>	0	0	8	0	8	0	0	8	0	0
Arthropoda	Malacostraca	Paguridae	24	0	8	0	0	0	0	8	0	0
Arthropoda	Malacostraca	Palaemonidae	0	8	0	0	0	0	0	0	0	0
Arthropoda	Malacostraca	<i>Palinurus elephas</i>	0	0	0	0	0	0	8	0	0	0
Arthropoda	Malacostraca	Penaeidae (nauplius)	0	0	0	8	0	217	0	0	0	91
Arthropoda	Malacostraca	Porcellanidae	47	8	0	0	0	0	0	0	0	0
Arthropoda	Malacostraca	Processidae	86	71	78	16	86	55	165	71	31	31
Arthropoda	Malacostraca	<i>Solenocera sp.</i>	0	0	0	0	0	0	24	0	39	16
Arthropoda	Malacostraca	Upogebiidae	8	39	8	31	0	0	24	8	16	157
Arthropoda	Malacostraca	Brachyura (megalopa)	0	0	0	0	0	0	0	0	0	0
Arthropoda	Malacostraca	Brachyura (zoea)	141	8	24	16	16	31	204	55	8	227
Arthropoda	Malacostraca	<i>Hansarsia megalops</i>	0	0	0	0	0	0	0	0	8	0
Arthropoda	Malacostraca	<i>Meganctiphanes norvegica</i>	0	0	0	0	0	0	0	0	55	0
Arthropoda	Malacostraca	Isopoda	0	0	0	0	0	0	8	0	0	0
Arthropoda	Malacostraca	<i>Erythrops elegans</i>	0	0	8	0	0	0	0	0	0	0
Arthropoda	Malacostraca	<i>Leptomysis lingvura</i>	0	0	47	0	0	0	0	16	8	0
Arthropoda	Malacostraca	<i>Leptomysis mediterranea</i>	0	0	0	0	0	0	0	0	0	0
Arthropoda	Malacostraca	Stomatopoda	0	0	0	0	0	0	0	0	8	0
Arthropoda	Ostracoda	Ostracoda	0	0	0	8	0	8	24	8	47	0
Arthropoda	Thecostraca	Cirripedia (cypris)	0	0	0	0	157	0	0	0	137	44
Arthropoda	Thecostraca	Cirripedia (nauplius)	740	204	8	114	0	105	0	0	0	112
Chaetognatha		Chaetognatha	0	0	47	24	472	188	1659	16	1757	157



Chordata	Appendicularia	<i>Fritillaria pellucida</i>	0	0	0	0	0	16	0	0	137	0
Chordata	Appendicularia	<i>Oikopleura sp.</i>	7627	2520	7091	1630	14645	10249	9955	996	4505	621
Chordata	Leptocardii	<i>Branchiostoma lanceolatum</i>	0	0	8	0	8	0	0	0	0	0
Chordata	Teleostei	Anchovy eggs	8	0	39	8	149	941	165	39	141	16
Chordata	Teleostei	Anchovy larvae	8	24	0	0	541	463	220	0	133	24
Chordata	Teleostei	Fish eggs	55	39	63	31	55	39	133	0	16	31
Chordata	Teleostei	Fish larvae	16	8	8	8	31	31	86	24	39	71
Chordata	Thaliacea	<i>Doliolina muelleri</i>	0	31	108	0	6480	15906	30166	529	72490	3004
Chordata	Thaliacea	<i>Doliolum nationalis</i>	0	0	0	0	0	8	0	0	0	0
Chordata	Thaliacea	<i>Salpa fusiformis</i>	0	0	0	0	0	0	0	0	8	0
Chordata	Thaliacea	<i>Thalia democratica</i>	0	0	0	0	0	0	0	0	0	0
Cnidaria	Hydrozoa	Anthoathecata	1851	251	16	149	0	31	0	8	0	0
Cnidaria	Hydrozoa	<i>Clytia sp.</i>	0	0	0	0	0	0	0	0	8	0
Cnidaria	Hydrozoa	<i>Obelia sp.</i>	0	0	0	0	0	8	0	0	8	0
Cnidaria	Hydrozoa	<i>Eucheilota paradoxa</i>	0	0	0	0	0	8	0	0	0	0
Cnidaria	Hydrozoa	Leptothecata	0	0	0	0	0	0	0	0	0	0
Cnidaria	Hydrozoa	<i>Liriope tetraphylla</i>	0	0	0	0	0	0	39	0	31	0
Cnidaria	Hydrozoa	<i>Nanomia bijuga</i>	0	0	0	0	0	0	8	0	125	0
Cnidaria	Hydrozoa	<i>Eudoxoides spiralis</i>	0	0	0	0	0	0	0	0	47	0
Cnidaria	Hydrozoa	<i>Eudoxoides spiralis</i> (eudoxid)	0	0	0	0	0	0	0	0	165	0
Cnidaria	Hydrozoa	<i>Lensia subtilis</i>	0	0	0	0	0	0	16	0	184	0
Cnidaria	Hydrozoa	<i>Muggiaea atlantica</i>	8	0	16	0	2055	1778	31	31	251	0
Cnidaria	Hydrozoa	<i>Muggiaea kochii</i>	31	8	102	8	795	2003	603	71	220	24
Cnidaria	Hydrozoa	<i>Muggiaea sp.</i> (Eudoxid)	222	8	300	8	4882	11713	5430	798	2048	266
Cnidaria	Hydrozoa	<i>Sphaeronectes keollikeri</i>	0	0	0	0	8	0	31	0	414	0
Cnidaria	Hydrozoa	<i>Aglaura hemistoma</i>	0	0	0	0	0	0	24	0	31	0
Cnidaria	Hydrozoa	<i>Rhopalonema velatum</i>	0	0	0	0	0	0	0	0	16	0
Cnidaria	Scyphozoa	Ephyrae	0	8	0	0	0	0	0	0	0	0
Ctenophora	Tentaculata	<i>Mnemiopsis leidyi</i>	0	0	0	0	0	0	0	0	0	0
Echinodermata	Asteroidea	Bipinnaria	0	0	0	0	0	16	0	16	0	0
Echinodermata	Asteroidea	Brachiolaria	0	0	0	0	8	0	0	0	8	0
Echinodermata	Echinoidea	Echinopluteus	74	31	0	141	0	0	8	0	8	0
Echinodermata	Holothuroidea	Auricularia	82	92	100	439	157	105	0	0	8	0
Echinodermata	Holothuroidea	Doliolaria Holothuroidea	0	0	39	8	0	0	0	0	0	0
Echinodermata	Ophiuroidea	Ophiopluteus	1481	1703	2297	913	2527	2196	611	356	110	0
Hemichordata	Enteropneusta	Tornaria	0	31	123	8	39	71	8	0	39	0
Cnidaria	Hydrozoa	Actinula	0	0	0	8	0	0	0	0	0	0
Mollusca	Bivalvia	Bivalvia larvae	1037	1703	100	157	315	1569	3318	284	2184	311

Mollusca	Gastropoda	Pilidium	0	8	100	8	0	8	0	0	0	0
Mollusca	Gastropoda	<i>Creseis acicula</i>	0	0	0	0	0	8	376	8	2056	16
Mollusca	Gastropoda	Gastropoda larvae	4813	954	599	376	630	1367	2715	1422	827	44
Phoronida		Actinotroch	0	24	8	31	0	0	0	87	31	0
Platyhelminthes	Polycladida	Mueller's larva	0	0	8	0	0	8	0	0	0	0
Myxozoa	Dynophyceae	<i>Noctiluca scintillans</i>	30508	187937	60121	983592	559405	148059	0	41599	44	956

**Table S7.** Matrix of taxa identified during zooplankton sorting of 2022 samples, expressed as individuals per m<sup>2</sup>.

Phylum	Class	Specie	4_2022	14_2022	17_2022	22_2022	23_2022	30_2022	33_2022	38_2022	43_2022	48_2022
Annelida	Polychaeta	Tomopteridae	0	0	0	0	0	8	16	0	55	0
Annelida	Polychaeta	Polychaeta	656	937	652	628	398	392	24	55	133	24
Annelida	Polychaeta	Trochophore	8	0	0	0	0	0	0	0	0	0
Arthropoda	Branchiopoda	<i>Penilia avirostris</i>	331	1204	54160	57927	20432	280	0	64352	316	2633
Arthropoda	Branchiopoda	<i>Evadne nordmanni</i>	0	0	0	0	0	0	0	0	0	0
Arthropoda	Branchiopoda	<i>Evadne spinifera</i>	828	3278	11484	550	1102	1120	177	2154	8842	1022
Arthropoda	Branchiopoda	<i>Pleopis polyphemoides</i>	414	736	567	558	0	798	0	0	0	0
Arthropoda	Branchiopoda	<i>Podon intermedius</i>	0	0	0	0	81	42	265	0	204	0
Arthropoda	Branchiopoda	<i>Pseudevadne tergestina</i>	1159	803	709	1808	0	0	0	0	0	182
Arthropoda	Copepoda	<i>Acartia sp.</i>	11923	10035	77978	31125	9261	4898	1327	2090	947	795
Arthropoda	Copepoda	<i>Aetideus armatus</i>	0	0	0	0	0	0	0	0	0	0
Arthropoda	Copepoda	<i>Calanus helgolandicus</i>	0	0	393	0	3722	2854	5540	149	9845	31
Arthropoda	Copepoda	<i>Mesocalanus tenuicornis</i>	0	0	0	0	0	0	466	0	4594	31
Arthropoda	Copepoda	<i>Nannocalanus minor</i>	0	0	0	0	0	0	289	0	663	0
Arthropoda	Copepoda	<i>Candacia giesbrechti</i>	0	0	0	0	0	0	0	0	8	0
Arthropoda	Copepoda	<i>Candacia varicans</i>	0	0	0	0	0	8	0	0	31	0
Arthropoda	Copepoda	<i>Centropages kroyeri</i>	0	0	0	0	0	140	0	0	0	388
Arthropoda	Copepoda	<i>Centropages ponticus</i>	4968	4231	859	3230	0	140	0	0	0	772
Arthropoda	Copepoda	<i>Centropages typicus</i>	0	350	1008	5918	1984	3514	1069	221	1595	0
Arthropoda	Copepoda	<i>Isias clavipes</i>	0	0	8	0	0	0	0	0	0	0
Arthropoda	Copepoda	<i>Diaixis pygmaea</i>	0	0	0	0	0	0	0	0	0	0
Arthropoda	Copepoda	<i>Pareucalanus sewelli</i>	0	0	0	0	0	0	0	0	0	0
Arthropoda	Copepoda	<i>Paraeuchaeta hebes</i>	0	0	0	0	0	0	1751	0	2960	0
Arthropoda	Copepoda	<i>Calocalanus sp.</i>	0	0	0	0	0	0	8	0	947	0
Arthropoda	Copepoda	<i>Mecynocera clausi</i>	0	0	0	0	0	0	0	0	8	0
Arthropoda	Copepoda	<i>Pontella mediterranea</i>	0	0	0	0	0	0	0	0	0	0
Arthropoda	Copepoda	<i>Pseudodiaptomus marinus</i>	0	0	0	0	0	8	0	0	0	0

[illegible]

[illegible]

[illegible]