The following supplement accompanies the article

Microbial plankton community in the Ría de Vigo (NW Iberian upwelling system): impact of the culture of *Mytilus galloprovincialist*

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Supplement. The figures in this Supplement show in detail the hydrography at raft station (RaS) and the structure and variability of autotrophic and heterotrophic microbial plankton community in the Ría de Vigo at both reference (ReS) and raft (RaS) stations. It also includes a table reporting the results of the statistical analysis testing the differences between ReS and RaS.

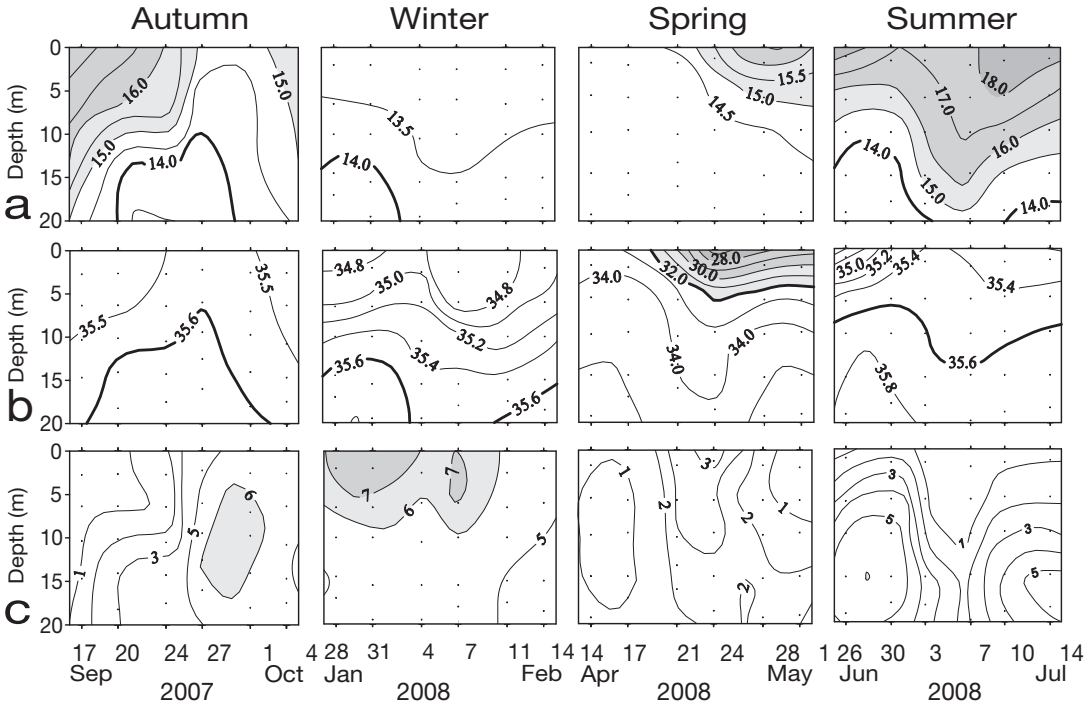

Fig. S1. (a) Temperature (ºC), (b) salinity and (c) nitrate concentration (µmol kg^{-1}) at the raft station (RaS) during 4 seasons

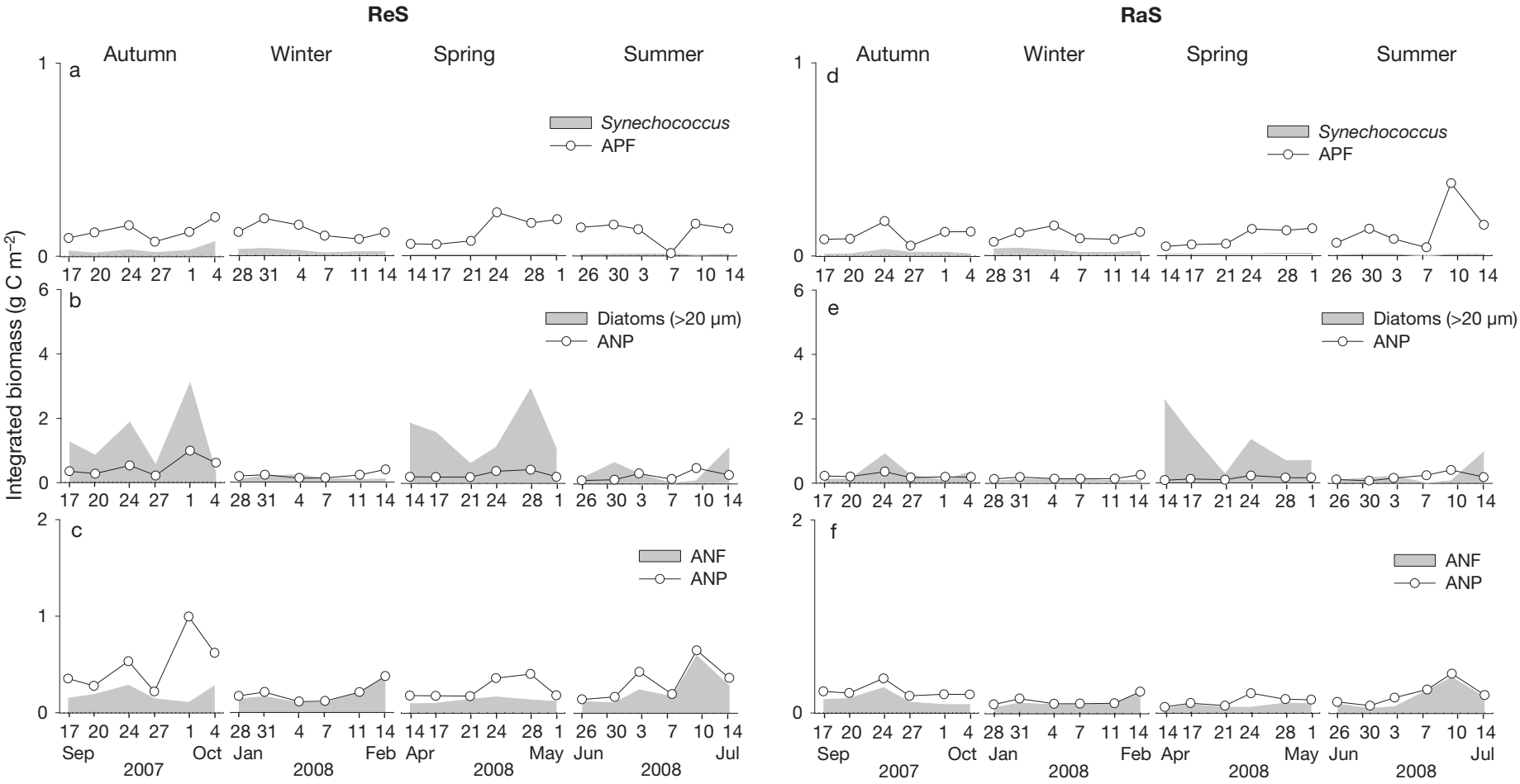

Fig. S2. Biomass of *Synechoccocus* and autotrophic picoflagellates (APF), diatoms (>20 µm), total autotrophic nanoplankton (ANP) and autotrophic nanoflagellates (ANF) integrated in the upper 12 m of the water column at the (a–c) reference station (ReS) and (d–f) raft station (RaS) during 4 seasons. Note the different *y*-axis scales

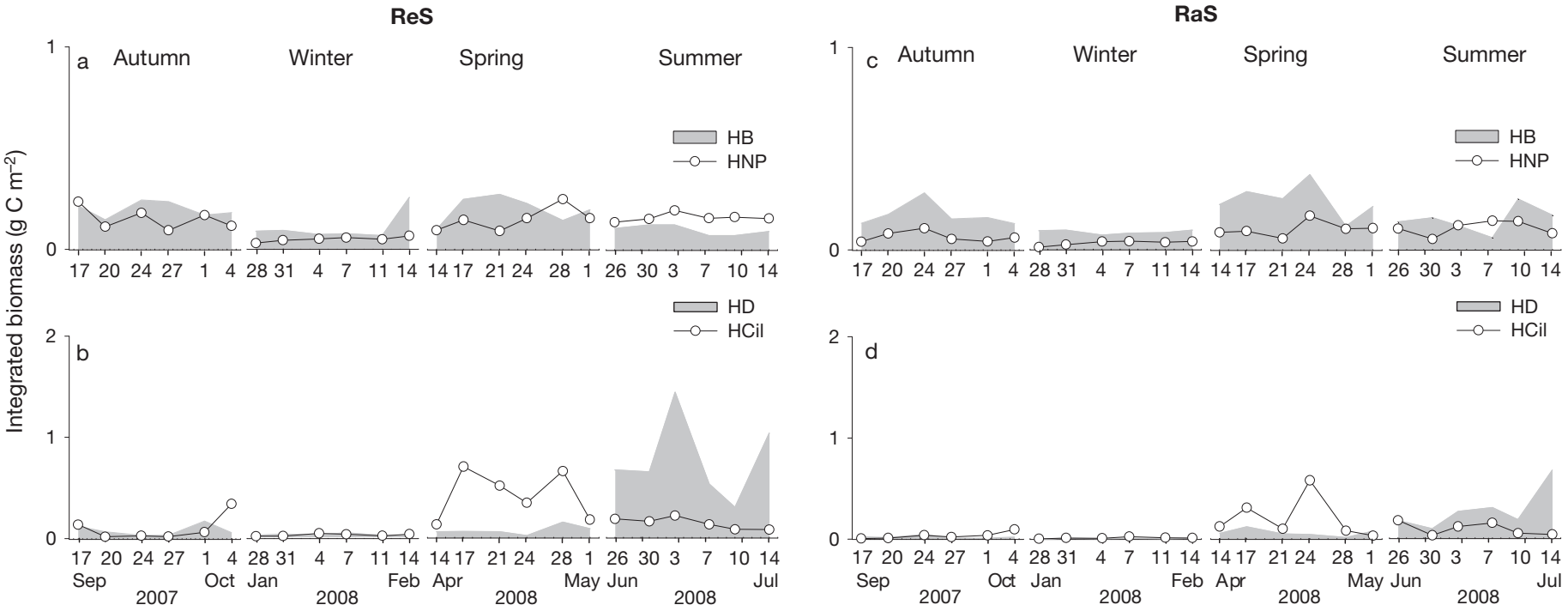

Fig. S3. Biomass of heterotrophic bacteria (HB), heterotrophic nanoplankton (HNP), heterotrophic dinoflagellates (HD) and heterotrophic ciliates (HCil) integrated in the upper 12 m of the water column at the (a,b) reference station (ReS) and (c,d) raft station (RaS) during 4 seasons

Table S1. P-values from Kruskal-Wallis tests for location (reference station [ReS] vs. raft station [RaS]) and seasonal effects on the microbial plankton community. Analyses were performed on biomasses integrated over the upper 12 m of the water column. Significant values are in **bold** ($p < 0.05$). TC: total microbial plankton, AC: autotrophic plankton, HC: heterotrophic plankton, APP: autotrophic picoplankton, HPP: heterotrophic picoplankton, ANP: autotrophic nanoplankton, HNP: heterotrophic nanoplankton, AMP: autotrophic microplankton, HMP: heterotrophic microplankton, APF: autotrophic picoflagellates, HB: heterotrophic bacteria, HPF: heterotrophic picoflagellates, HD: large (>20 µm) heterotrophic dinoflagellates, HCil: large (>20 µm) heterotrophic ciliates

	TOTAL	**Autumn**	**Winter**	**Spring**	**Summer**
	ReS vs. RaS	ReS vs. RaS	ReS vs. RaS	ReS vs. RaS	ReS vs. RaS
TC	**0.011**	**0.016**	0.055	0.337	0.078
AC	**0.021**	**0.016**	0.078	0.262	0.522
HC	**0.035**	**0.010**	0.078	0.200	0.055
APP	0.063	0.262	0.337	0.150	0.631
HPP	0.711	0.150	0.873	0.423	0.150
ANP	**0.007**	**0.025**	0.078	**0.025**	0.631
HNP	**0.002**	**0.006**	**0.025**	0.200	**0.010**
AMP	0.061	**0.025**	0.150	0.423	0.337
HMP	**0.027**	0.055	**0.025**	0.078	**0.016**
Synechococcus	0.496	0.078	0.749	0.997	0.262
APF	0.087	0.522	0.337	0.150	0.631
Diatoms	0.076	**0.025**	0.150	0.423	0.423
HB	0.606	0.200	0.521	0.337	0.109
HPF	0.180	0.109	0.423	0.631	1.000
HD	0.041	**0.010**	**0.004**	0.337	**0.037**
HCil	0.103	0.337	0.631	0.055	0.150