Adding zooplankton to the OSMAC toolbox: Effect of grazing stress on the metabolic profile and bioactivity of a diatom.

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## Supplemental Information Table of Contents

Supplementary Figure S1. Panel showing temperature and salinity profiles from the two sample sites where we collected zooplankton. The lower x-axis shows salinity as PPT with red dots and the upper x – axis shows temperature in degrees Celsius (°C) with blue dots, while the y-axis is depth in meters. CTD casts data were taken from surface to 50 cm above bottom and back to surface. Samples sites were similar, and the water column was well-mixed at both sites.

Supplementary Table S1: Zooplankton composition of bulk zooplankton samples. Zooplankton sub-samples were collected before zooplankton were added to culture of P. glacialis and stored in 96% EtOH.

| Species	Samples 1 (PgZ1)			Samples 2 (PgZ2)		
	Count	%	Comment	Count	%	Comment
Acartia longiremis	62	9,98	mostly adult female			
Calanus finmarchicus	16	2,58				
Calanus nauplius				1	2,33	
Centopages typicus	8	1,29	copepodites	1	2,33	
Metridia longa	2	0,32				
Microcalanus sp	15	2,42	copepod/adults			
Oithina sp.	404	65,06	most stages	23	53,49	
Pseudocalanus acuspes/sp	102	16,43	copepod/adults	17	39,53	5 females
Temora longa	1	0,16	copepodite			
Calanoida, uid juvenile	6	0,97	mostly adult females	1	2,33	
Paraeuchaeta						
Bryozoa/cyphonautes	5	0,81				
Total	621	100		43	100	
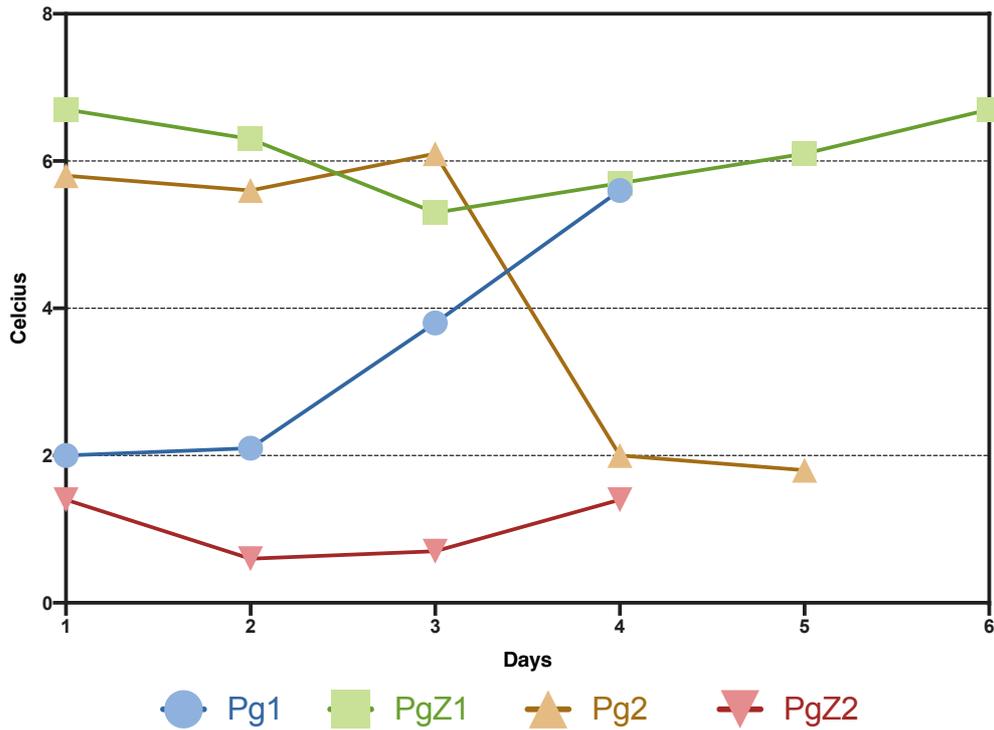
Supplementary Figure S2: Daily temperature measurements (in °C). The temperature was measured daily just beneath the surface of the culture.
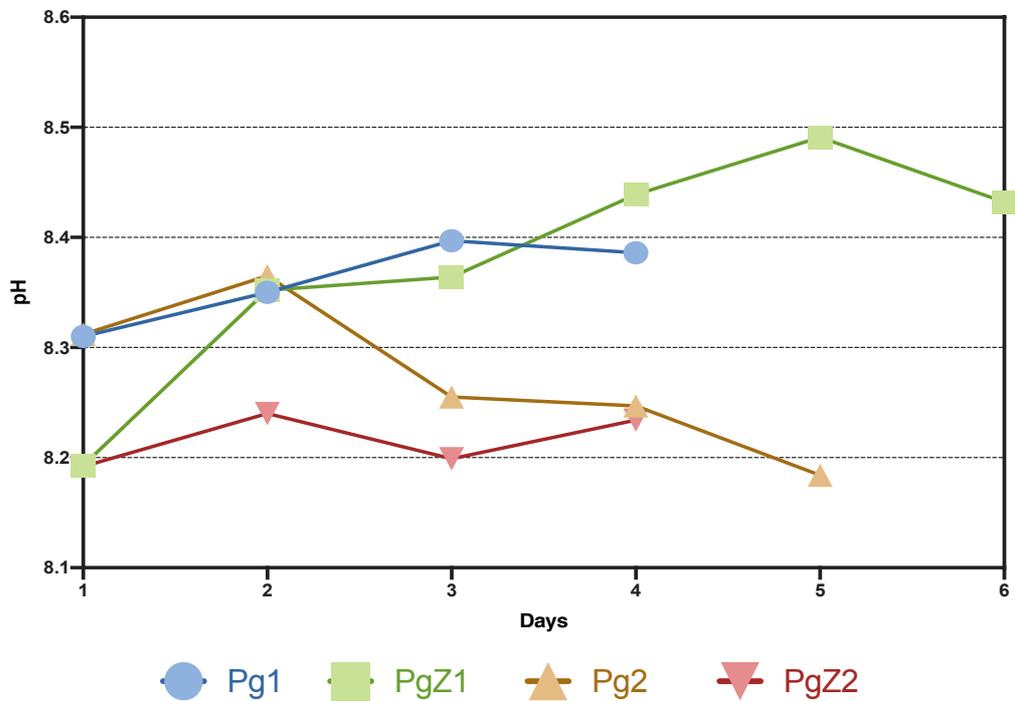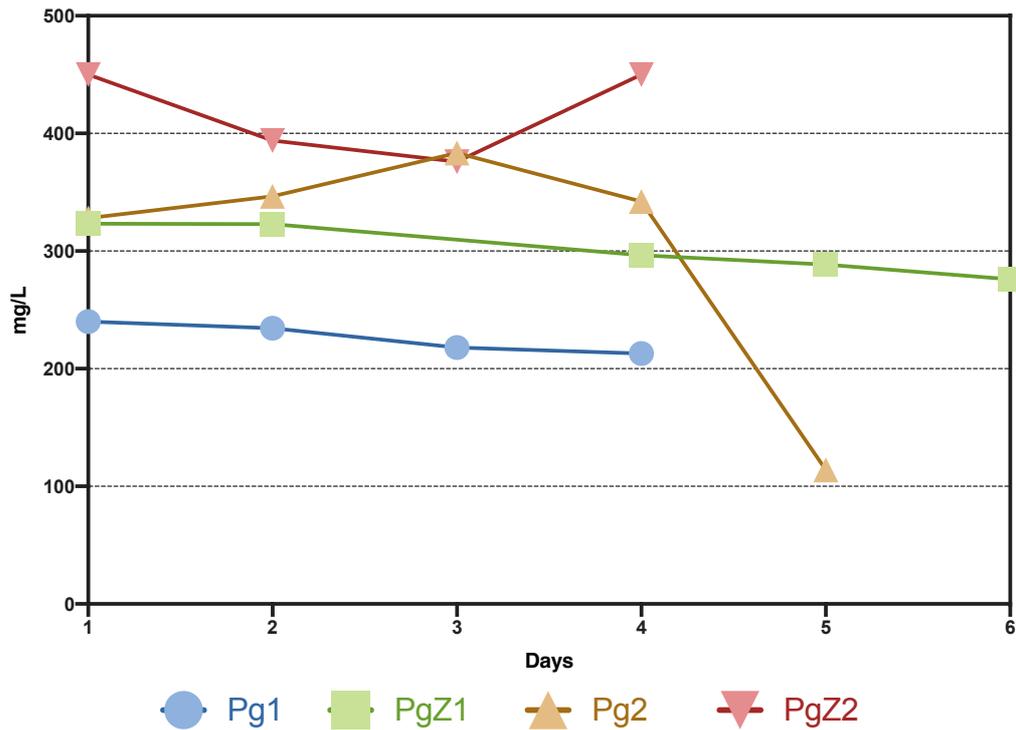

Supplementary Figure S3: Daily pH measurements. The pH was measured daily in all cultures using a pH meter just below the surface of the culture.
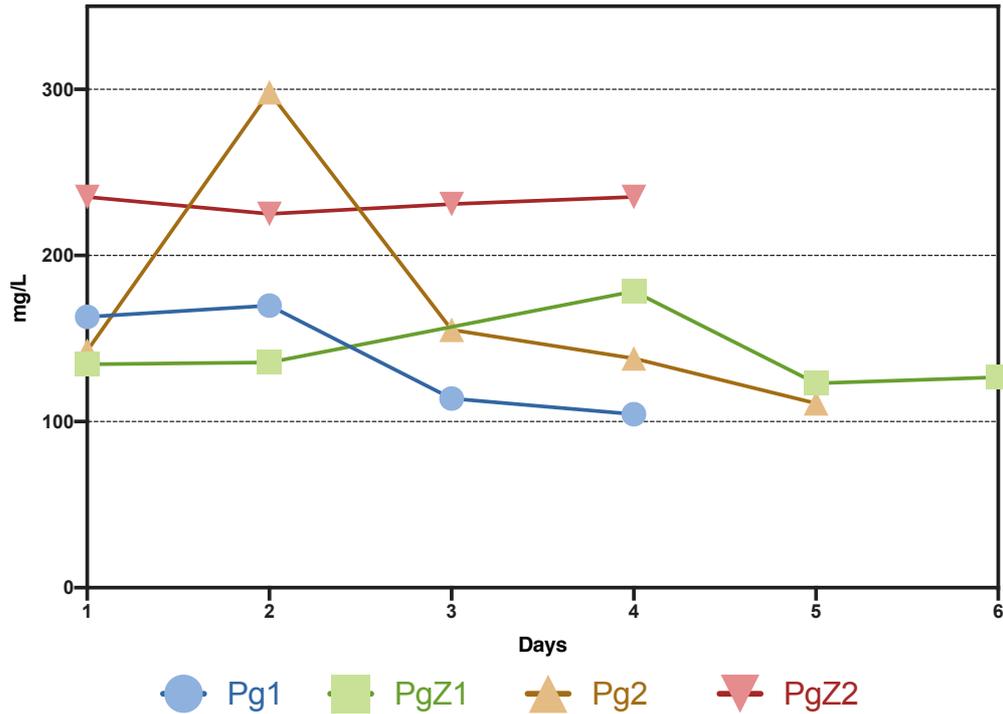
Supplementary Figure S4: Daily nitrate measurements of all cultures (in mg/L). Nitrate concentration was measured using Spectroquant® Nitrate test in seawater (Merck KGaA, 64271 Damstadt, Germany)
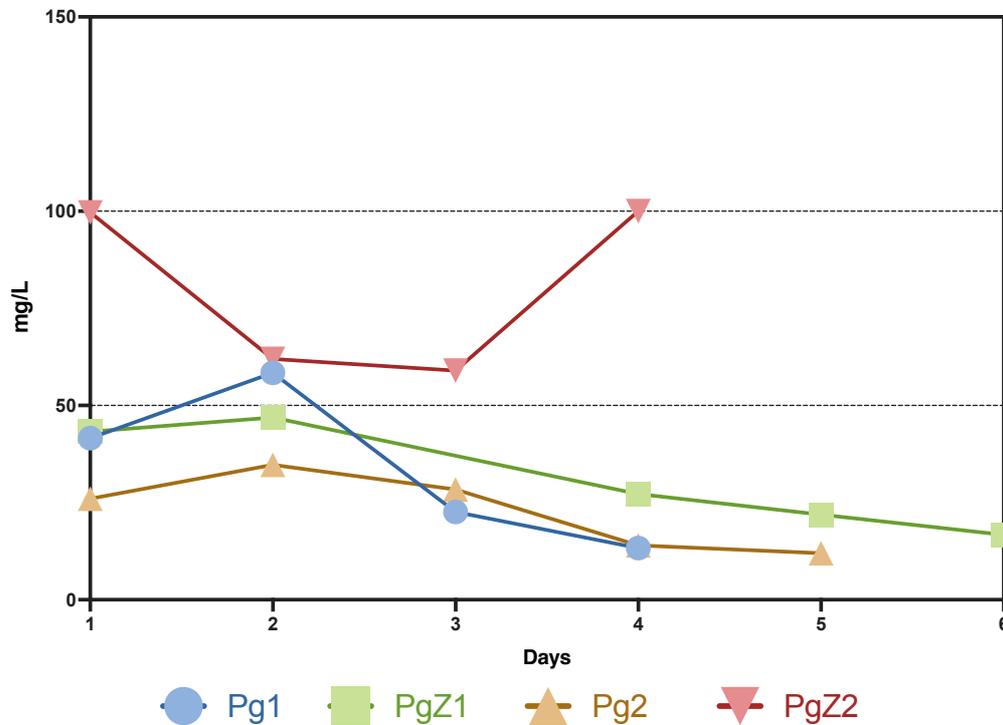
Supplementary Figure S5: Daily silicate measurements of all cultures (in mg/L). Silicate concentration was measured using Spectroquant® Silicate (Silicic Acid) Test (Merck KGaA, 64271 Damstadt, Germany)

Supplementary Figure S6: Daily phosphate measurements of all cultures (in mg/L). Phosphate concentration was measured using Spectroquant® Phosphate Test (o-phosphate) (Merck KGaA, 64271 Damstadt, Germany)

Supplementary Table S2. Chi-square table showing p-values of the total number of active Flash - fractions versus inactive flash fractions between the different treatments.

Sample Content	Pg1	Pg2	PgZ1	PgZ2
Pg1	-	0.426	0.426	0.273
Pg2	0.426	-	1.000	0.426
PgZ1	0.426	0.759	-	0.759
PgZ2	0.273	0.426	0.759	-