

Feeding patterns in *Eubbranchipus grubii* (Dybowski 1860) (Branchiopoda: Anostraca) and its potential influence on the phytoplankton communities of vernal pools

Sofia Celewicz,¹ Michał'Jan Czyż,² Bartłomiej Gołdyn^{3*}

¹Department of Botany, Poznan University of Life Sciences, Wojska Polskiego 71 C, 60-625 Poznań

²Research Centre of Quarantine, Invasive and Genetically Modified Organisms, Institute of Plant Protection – National Research Institute, Węgorzka 20, 60-318 Poznań

³Department of General Zoology, Faculty of Biology, Adam Mickiewicz University in Poznań, 61-614 Poznań, Poland

*Corresponding author: glodny@amu.edu.pl

Supplementary Tab. 1. Abundance (cells mL⁻¹) of particular phytoplankton taxa in the experimental treatments checking for filtration pattern in *Eubranchipus grubii*.

	Reference	Control				Male				Female			
	Mean	Min	Max	SD	Mean	Min	Max	SD	Mean	Min	Max	SD	
<i>Chamaesiphon sp.</i>	0	0.2	0	3	0.77	0.2	0	2	0.42	0.1	0	1	0.32
<i>Chroococcus sp.</i>	0	0	0	0	0	0	0	0	0	0.3	0	4	1.14
<i>Characium sp.</i>	0	0	0	0	0	0.1	0	2	0.39	0	0	0	0
<i>Chilomonas sp.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chlorogonium sp.</i>	156	104.8	27	216	54.66	8.9	0	44	13.20	2.0	0	13	3.33
<i>Chlamydomonas sp.</i>	0	1.6	0	6	2.23	0.1	0	2	0.39	0	0	1	0.15
<i>Crucigenia tetrapedia</i>	0	0.2	0	3	0.77	0	0	0	0	0	0	0	0
<i>Dictyosphaerium pulchellum</i>	0	1.6	0	24	6.20	0	0	0	0	0	0	0	0
<i>Hyaloraphidium contortum</i>	0	0.8	0	3	1.37	0.2	0	1	0.31	0	0	0	0
<i>Monoraphidium griffithii</i>	0	0.2	0	3	0.77	0	0	0	0	0	0	0	0
<i>Scenedesmus acuminatus</i>	0	0	0	0	0	0	0	0	0	0.1	0	1	0.33
<i>Schroederia setigera</i>	4	3.6	0	12	3.62	0.3	0	2	0.47	0	0	1	0.15
<i>Westella sp.</i>	0	0	0	0	0	0.4	0	5	1.36	0	0	0	0
<i>Euglena viridis</i>	0	0.2	0	3	0.77	0	0	0	0	0	0	0	0
<i>Trachelomonas volvocina</i>	288	103.2	15	246	70.33	24.6	4	161	39.82	3.9	1	14	3.73
<i>Trachelomonas sp.</i>	0	0	0	0	0	0.1	0	1	0.19	0	0	0	0
<i>Cyclotella sp.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Eunotia bilunaris</i>	4	0	0	0	0	0	0	0	0	0.3	0	1	0.43
<i>Fragilaria ulna</i>	0	0	0	0	0	0	0	0	0	0	0	1	0.15
<i>Hantzschia amphioxys</i>	0	0	0	0	0	0.5	0	7	1.74	0	0	0	0
<i>Navicula sp.</i>	0	0	0	0	0	0.1	0	1	0.19	0	0	0	0
<i>Nitzschia acicularis</i>	0	0.2	0	3	0.77	0	0	0	0	0	0	0	0

	Reference	Control				Male				Female			
		Mean	Min	Max	SD	Mean	Min	Max	SD	Mean	Min	Max	SD
<i>Nitzschia palea</i>	20	0	0	0	0	0.1	0	1	0.19	0.2	0	1	0.36
<i>Rhopalodia gibba</i>	0	0	0	0	0	0.1	0	1	0.19	0	0	0	0
<i>Chroomonas caudata</i>	0	2.0	0	6	2.17	0.2	0	2	0.42	0	0	0	0
<i>Cryptomonas caudata</i>	16	7.4	0	21	6.88	1.4	0	11	2.72	0.2	0	1	0.37
<i>Cryptomonas erosa</i>	668	258.5	102	519	113.66	16.5	0	66	22.08	3.7	0	17	4.45
<i>Cryptomonas marssonii</i>	12	11.4	0	27	7.79	1.3	0	8	2.35	0.3	0	1	0.38
<i>Cryptomonas ovata</i>	32	3.0	0	12	3.76	0.9	0	6	1.59	0	0	1	0.15
<i>Cryptomonas rostrata</i>	8	32.1	0	222	59.31	3.8	0	25	6.82	0.6	0	3	0.87
<i>Cryptomonas pyrenoidifera</i>	0	2.0	0	9	2.70	0.5	0	5	1.25	0.1	0	1	0.21
<i>Cryptomonas sp.</i>	0	0	0	0	0	0.1	0	2	0.39	0	0	1	0.15
<i>Rhodomonas minuta</i>	24	3.2	0	15	4.74	0.5	0	5	1.35	0	0	1	0.16
<i>Rhodomonas tenuis</i>	16	0	0	0	0	0.1	0	2	0.39	0	0	0	0
<i>Woloszynskia sp.</i>	0	1.6	0	6	2.50	0.2	0	2	0.53	0	0	0	0
<i>Peridinium sp.</i>	0	0	0	0	0	0.1	0	1	0.19	0	0	0	0