

Table S2. Summary of resource concentration-dependent behavioural parameters for nauplii of the copepod species *Temora longicornis*, *Centropages hamatus*, *Oithona nana* and *Acartia tonsa*. All data are means \pm SD for each resource concentration. 'N.a.*' not quantified in this study, but data used from van Someren Gréve et al. (2017). 'N.o' means the behaviour is not observed. Velocities given are the 2d measured velocities.

Grazer species	concentration (cells mL ⁻¹)	Resource				Event duration (s)				Velocity (mm s ⁻¹)		
		Frequency (no. s ⁻¹)				Event duration (s)				Velocity (mm s ⁻¹)		
		sink	swim	jump	prey capture	sink	swim	jump	prey capture	swim	jump	prey capture
<i>T. longicornis</i>	0	0.11 \pm 0.10	0.20 \pm 0.15	0.03 \pm 0.08	n.o.	1.3 \pm 1.0	6.0 \pm 4.7	0.076 \pm 0.07	n.o.	11.3 \pm 4.81	n.o.	
	945	0.15 \pm 0.14	0.20 \pm 0.13	0.02 \pm 0.04	n.o.	2.3 \pm 2.3	4.7 \pm 3.5	0.078 \pm 0.04	n.o.	11.0 \pm 3.68	n.o.	
	3780	0.12 \pm 0.07	0.13 \pm 0.09	0.03 \pm 0.05	n.o.	3.6 \pm 2.4	5.1 \pm 4.2	0.046 \pm 0.01	n.o.	n.a.*	9.3 \pm 3.11	n.o.
	30000	0.15 \pm 0.08	0.14 \pm 0.10	0.05 \pm 0.08	n.o.	5.7 \pm 6.7	2.8 \pm 1.9	0.054 \pm 0.02	n.o.	8.3 \pm 4.38	n.o.	
<i>C. hamatus</i>	0	7.9 \pm 1.53	0.01 \pm 0.03	0.01 \pm 0.04		0.04 \pm 0.01	0.044 \pm 0.02	0.22 \pm 0.11	2.0 \pm 0.6	9.07 \pm 5.29	0.60 \pm 0.21	
	338	-	8.3 \pm 1.11	0.00 \pm 0.01	0.02 \pm 0.07	-	0.04 \pm 0.01	0.033 \pm -	0.14 \pm 0.01	2.2 \pm 0.4	4.82 \pm 0.44	1.16 \pm 0.31
	1354	-	8.1 \pm 1.0	0.01 \pm 0.02	0.03 \pm 0.04	-	0.03 \pm 0.01	0.043 \pm 0.011	0.19 \pm 0.08	2.1 \pm 0.5	9.68 \pm 6.32	0.83 \pm 0.35
	30000	-	5.8 \pm 2.3	0.03 \pm 0.07	0.13 \pm 0.14	-	0.02 \pm 0.00	0.048 \pm 0.024	0.22 \pm 0.13	2.9 \pm 0.5	9.12 \pm 4.23	0.96 \pm 0.32
<i>O. nana</i>	0	n.o.	0.55 \pm 0.33	n.o.		n.o.	0.073 \pm 0.04	n.o.	n.o.	10.5 \pm 3.23	n.o.	
	321	-	n.o.	0.84 \pm 0.45	n.o.	-	n.o.	0.091 \pm 0.04	n.o.	n.o.	12.3 \pm 3.49	n.o.
	1285	-	n.o.	0.69 \pm 0.35	n.o.	-	n.o.	0.078 \pm 0.04	n.o.	n.o.	10.6 \pm 3.04	n.o.
	30000	-	n.o.	0.52 \pm 0.29	n.o.	-	n.o.	0.052 \pm 0.01	n.o.	n.o.	9.8 \pm 3.14	n.o.
<i>A. tonsa</i>	0	n.o.	1.67 \pm 0.82	0.00 \pm 0.01		n.o.	0.054 \pm 0.01	0.21 \pm 0.12	n.o.	3.82 \pm 1.10	1.11 \pm 0.68	
	500	-	n.o.	1.31 \pm 0.75	0.00 \pm 0.00	-	n.o.	0.061 \pm 0.02	0.16 \pm -	n.o.	3.50 \pm 1.36	0.77 \pm -
	2000	-	n.o.	1.71 \pm 0.89	0.01 \pm 0.03	-	n.o.	0.055 \pm 0.01	0.17 \pm 0.06	n.o.	3.61 \pm 1.57	1.78 \pm 0.76
	30000	-	n.o.	1.13 \pm 0.58	0.03 \pm 0.06	-	n.o.	0.054 \pm 0.01	0.23 \pm 0.11	n.o.	3.59 \pm 1.04	1.55 \pm 0.76