

**Table S1: Number of total animals measured in the 10 replicates of the 6-day experiment as well as the ANOVA F-values of the respective statistics (Fig 1). All shown ANOVAs had 3 degrees of freedom (DF).**

Day	1		2		3		4		5		6	
	ANOVA		ANOVA		ANOVA		ANOVA		ANOVA		ANOVA	
	n	F-value	n	F-value	n	F-value	n	F-value	n	F-value	n	F-value
Treatment	Body length	Body width	Body length	Body width	Body length	Body width	Body length	Body width	Body length	Body width	Body length	Body width
tap water control	84		69		45		63		73		55	
<i>Ceratophyllum</i>	37		30		35		25		44		29	
fed <i>Utricularia</i>	79	3.38 3.07	72	6.6 1.14	42	14.15 4.52	50	17.42 6.45	50	32.95 14.72	43	29.21 17.25
unfed <i>Utricularia</i>	69		59		38		49		64		43	

**Table S2: Mean body length and body width in mm  $\pm$ SD of *C. dubia* over the 6 days of the experiment.**

Treatment	Day 1		Day 2		Day 3		Day 4		Day 5		Day 6	
	Body length	Body width	Body length	Body width	Body length	Body width	Body length	Body width	Body length	Body width	Body length	Body width
<b>tap water control</b>	0.49 $\pm$ 0.03	0.30 $\pm$ 0.02	0.59 $\pm$ 0.05	0.36 $\pm$ 0.04	0.66 $\pm$ 0.05	0.41 $\pm$ 0.04	0.71 $\pm$ 0.07	0.49 $\pm$ 0.07	0.74 $\pm$ 0.06	0.52 $\pm$ 0.05	0.77 $\pm$ 0.05	0.56 $\pm$ 0.05
<b><i>Ceratophyllum</i></b>	0.50 $\pm$ 0.03	0.30 $\pm$ 0.02	0.60 $\pm$ 0.05	0.37 $\pm$ 0.04	0.64 $\pm$ 0.07	0.42 $\pm$ 0.07	0.67 $\pm$ 0.06	0.45 $\pm$ 0.07	0.71 $\pm$ 0.07	0.49 $\pm$ 0.07	0.76 $\pm$ 0.06	0.54 $\pm$ 0.06
<b>fed <i>Utricularia</i></b>	0.48 $\pm$ 0.03	0.29 $\pm$ 0.02	0.55 $\pm$ 0.07	0.33 $\pm$ 0.05	0.57 $\pm$ 0.09	0.35 $\pm$ 0.08	0.62 $\pm$ 0.07	0.41 $\pm$ 0.07	0.63 $\pm$ 0.08	0.42 $\pm$ 0.08	0.67 $\pm$ 0.06	0.46 $\pm$ 0.06
<b>unfed <i>Utricularia</i></b>	0.50 $\pm$ 0.05	0.30 $\pm$ 0.03	0.57 $\pm$ 0.07	0.36 $\pm$ 0.05	0.60 $\pm$ 0.06	0.38 $\pm$ 0.04	0.65 $\pm$ 0.06	0.44 $\pm$ 0.06	0.67 $\pm$ 0.05	0.45 $\pm$ 0.05	0.71 $\pm$ 0.05	0.49 $\pm$ 0.05

**Table S3: Bonferroni corrected pairwise t-test results for 2D morphology body length analysis. Significant results marked in red.**

Day	1			2			3		
	Tap water ctrl	fed <i>Utric.</i>	<i>Cer. ctrl</i>	Tap water ctrl	fed <i>Utric.</i>	<i>Cer. ctrl</i>	Tap water ctrl	fed <i>Utric.</i>	<i>Cer. ctrl</i>
<i>fed Utricularia</i>	0.197			0.0022			4.9e-8		
<i>Ceratophyllum ctrl</i>	1	0.176		1	0.0013		1	4.5e-5	
<i>unfed Utricularia</i>	1	0.023	1	1	0.187	0.3159	0.0042	0.0954	0.1835
Day	4			5			6		
	Tap water ctrl	fed <i>Utric.</i>	<i>Cer. ctrl</i>	Tap water ctrl	fed <i>Utric.</i>	<i>Cer. ctrl</i>	Tap water ctrl	fed <i>Utric.</i>	<i>Cer. ctrl</i>
<i>fed Utricularia</i>	2.8e-10			<2e-16			2.6e-14		
<i>Ceratophyllum ctrl</i>	0.1649	0.0077		0.2034	6.8e-9		1	4.2e-9	
<i>unfed Utricularia</i>	5.3e-5	0.1474	0.9692	2.7e-8	0.0025	0.0079	5e-6	0.0066	0.0029

**Table S4: Bonferroni corrected pairwise t-test results for 2D morphology body width analysis. Significant results marked in red.**

Day	1			2			3		
	Tap water ctrl	fed <i>Utric.</i>	<i>Cer.</i> ctrl	Tap water ctrl	fed <i>Utric.</i>	<i>Cer.</i> ctrl	Tap water ctrl	fed <i>Utric.</i>	<i>Cer.</i> ctrl
<i>fed Utricularia</i>	0.34			1			1		
<i>Ceratophyllum ctrl</i>	1	0.04		1	1		0.056	0.0026	
unfed <i>Utricularia</i>	1	0.16	1	1	0.52	1	1	0.7674	0.2504
Day	4			5			6		
	Tap water ctrl	fed <i>Utric.</i>	<i>Cer.</i> ctrl	Tap water ctrl	fed <i>Utric.</i>	<i>Cer.</i> ctrl	Tap water ctrl	fed <i>Utric.</i>	<i>Cer.</i> ctrl
<i>fed Utricularia</i>	0.00024			7.9e-8			5.2e-8		
<i>Ceratophyllum ctrl</i>	0.06692	1		0.1841	0.0085		1	0.001	
unfed <i>Utricularia</i>	0.62437	0.09849	1	3.3e-6	1	0.1059	4.8e-7	1	0.004

Table S5: Mean number off eggs  $\pm$ SD for each treatment on day 3, 4, 5 and 6.

Treatment	Day 3	Day 4	Day 5	Day 6
tap water control	0 $\pm$ 1.66	2 $\pm$ 1.51	2 $\pm$ 1.65	2 $\pm$ 1.86
<i>Ceratophyllum</i>	0 $\pm$ 1.20	0 $\pm$ 1.18	1 $\pm$ 1.71	2.5 $\pm$ 1.73
fed <i>Utricularia</i>	0 $\pm$ 1.11	1 $\pm$ 1.00	0.5 $\pm$ 1.14	1 $\pm$ 0.68
unfed <i>Utricularia</i>	0 $\pm$ 1.71	2 $\pm$ 1.45	0 $\pm$ 1.20	1 $\pm$ 1.13