

Table S1. Data of cell numbers (means $\pm$ SD; n=3) in control and NaCl treated (100 – 4,000 mg l⁻¹) *Haematococcus lacustris* cultures.

a) Number of vegetative cells ($\times 10^5$ ml⁻¹)

	0	2	4	7	9	11
Control	0.5 $\pm$ 0.1 a	2.1 $\pm$ 0.3 b	3.1 $\pm$ 0.4 c	5.3 $\pm$ 0.6 d	7.2 $\pm$ 0.6 e	6.3 $\pm$ 0.8 f
100	0.6 $\pm$ 0.0 a	2.1 $\pm$ 0.1 b	3.8 $\pm$ 0.1 c	3.9 $\pm$ 0.5 c *	4.6 $\pm$ 0.2 d *	5.4 $\pm$ 0.2 e *
250	0.5 $\pm$ 0.1 a	2.7 $\pm$ 0.2 b	2.8 $\pm$ 0.1 b	3.7 $\pm$ 0.3 c *	2.3 $\pm$ 0.3 d **	1.7 $\pm$ 0.2 e **
500	0.6 $\pm$ 0.1 a	2.4 $\pm$ 0.1 b	2.2 $\pm$ 0.1 c	3.3 $\pm$ 0.2 d *	2.4 $\pm$ 0.2 b **	1.3 $\pm$ 0.3 e **
1,000	0.6 $\pm$ 0.0 a	1.8 $\pm$ 0.4 b	2.4 $\pm$ 0.8 b	1.9 $\pm$ 0.2 b **	1.5 $\pm$ 0.2 a **	0.5 $\pm$ 0.2 a **
2,000	0.5 $\pm$ 0.1 a	1.2 $\pm$ 0.1 b *	1.3 $\pm$ 0.2 b *	1.6 $\pm$ 0.1 b.c **	1.6 $\pm$ 0.1 b.c **	0.4 $\pm$ 0.0 a **
3,000	0.5 $\pm$ 0.1 a	0.8 $\pm$ 0.1 b *	0.3 $\pm$ 0.0 c *	0.2 $\pm$ 0.0 c ***	0.1 $\pm$ 0.0 d ***	n.d.
4,000	0.6 $\pm$ 0.1 a	0.6 $\pm$ 0.0 a *	0.1 $\pm$ 0.0 b *	0.0 $\pm$ 0.0 c ***	0.1 $\pm$ 0.0 b ***	n.d.

b) Number of cysts ($\times 10^5$ ml⁻¹)

	0	2	4	7	9	11
Control	0.2 $\pm$ 0.1 a	0.2 $\pm$ 0.0 a	0.3 $\pm$ 0.1 a	0.3 $\pm$ 0.0 a	0.6 $\pm$ 0.2 a.b	1.4 $\pm$ 0.3 b
100	0.3 $\pm$ 0.1 a	0.3 $\pm$ 0.0 a	0.5 $\pm$ 0.1 a.b	0.6 $\pm$ 0.0 a.b	1.0 $\pm$ 0.1 b	1.9 $\pm$ 0.2 c
250	0.3 $\pm$ 0.2 a	0.2 $\pm$ 0.0 a	0.4 $\pm$ 0.1 a	0.9 $\pm$ 0.1 b	1.5 $\pm$ 0.2 c	3.6 $\pm$ 0.4 d *
500	0.4 $\pm$ 0.1 a	0.4 $\pm$ 0.0 a *	0.5 $\pm$ 0.1 a	1.6 $\pm$ 0.3 b *	2.7 $\pm$ 0.4 c	3.5 $\pm$ 0.7 d *
1,000	0.5 $\pm$ 0.1 a	0.3 $\pm$ 0.1 a	0.9 $\pm$ 0.5 a	2.7 $\pm$ 0.1 b **	3.4 $\pm$ 1.3 b	3.9 $\pm$ 0.2 b *
2,000	0.3 $\pm$ 0.2 a	0.4 $\pm$ 0.0 a *	1.1 $\pm$ 0.3 b	2.0 $\pm$ 0.6 c *	1.6 $\pm$ 0.4 b.c	3.2 $\pm$ 0.6 d *
3,000	0.2 $\pm$ 0.0 a	0.2 $\pm$ 0.0 a	1.1 $\pm$ 0.0 b	0.9 $\pm$ 0.0 c	1.1 $\pm$ 0.0 b	1.7 $\pm$ 0.1 d
4,000	0.4 $\pm$ 0.1 a	0.4 $\pm$ 0.1 a *	0.9 $\pm$ 0.1 b	0.8 $\pm$ 0.1 b	0.6 $\pm$ 0.0 c	0.8 $\pm$ 0.0 b

Different lowercase letters indicate significant differences between days (0 - 11) within the same experimental setup (rows; p<0.05; rm ANOVA).

Asterisks indicate significant differences between different treatments on the given days (columns; p<0.05; ANOVA).

n.d.: not detected