

Supplementary Table S5

TABLE S5 A: Results of the GLMM model for *A. astaci* (*A. ast*) and signal crayfish (*P. len*) determining statistical significance of three factors (food, temperature, density) on quantity of eDNA represented by positive droplets. Significance (Sig.) is indicated as follows: ≤ 0.0001 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 '' 1

<i>A. ast</i>	Estimate	Std. Error	z value	Pr(> z)	Sig.
(Intercept)	-7.05191	0.57392	-12.2877	$< 2 \cdot 10^{-16}$	***
Food	0.01047	0.48101	0.022	0.9826	
Hi temp	-1.96556	0.77878	-2.524	0.0116	*
Hi Density	3.77849	0.62023	6.092	$1.11 \cdot 10^{-9}$	***
Hi temp:hi dens	-4.01625	1.00688	-3.989	$6.64 \cdot 10^{-5}$	***
<i>P. len</i>	Estimate	Std. Error	z value	Pr(> z)	Sig.
(Intercept)	-5.70455	1.10807	-5.148	$2.63 \cdot 10^{-7}$	***
Food	0.11484	0.83133	0.138	0.890131	
Hi temp	0.02276	1.58406	0.014	0.988535	
Hi dens	4.63937	0.81820	5.670	$1.43 \cdot 10^{-8}$	***
Food : hi temp	-1.86133	1.22909	-1.514	0.129927	
Food : hi dens	-5.05231	1.16708	-4.329	$1.50 \cdot 10^{-5}$	***
Hi temp : hi dens	-3.98672	1.18891	-3.353	0.000799	***
Food : hi temp : hi dens	4.85374	1.71612	2.828	0.004679	**

TABLE S5 B: Results of the GLMM model, when accounting for the contamination of the inlet control in week 5 and 6, for *A. astaci* (*A. ast*) and signal crayfish (*P. len*) determining statistical significance of three factors (food, temperature, density) on quantity of eDNA represented by positive droplets. Significance (Sig.) is indicated as follows: ≤ 0.0001 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 '' 1

<i>A. ast</i>	Estimate	Std. Error	z value	Pr(> z)	Sig.
(Intercept)	-7.512180	0.665541	-11.287	$< 2 \cdot 10^{-16}$	***
Food	-0.006859	0.528192	-0.013	0.990	
Hi temp	-1.368360	0.872369	-1.569	0.117	
Hi Density	4.248878	0.705353	6.024	$1.07 \cdot 10^{-9}$	***
Hi temp:hi dens	-4.540678	1.105704	-4.107	$4.02 \cdot 10^{-5}$	***
<i>P. len</i>	Estimate	Std. Error	z value	Pr(> z)	Sig.
(Intercept)	-5.69446	1.11634	-5.101	$3.38 \cdot 10^{-7}$	***
Food	-0.15714	0.87096	-0.180	0.85682	
Hi temp	0.01549	1.59670	0.010	0.99226	
Hi dens	4.62916	0.85074	5.441	$5.29 \cdot 10^{-8}$	***
Food : hi temp	-1.56336	1.28170	-1.220	0.22256	
Food : hi dens	-4.80286	1.21869	-3.941	$8.11 \cdot 10^{-5}$	***
Hi temp : hi dens	-3.96320	1.23541	-3.208	0.00134	**
Food : hi temp : hi dens	4.58485	1.78638	2.567	0.01027	*