

Table S2. Results of the *A. astaci* qPCR analysis on eDNA samples collected during *P. clarkii* housing at the IZSve aquarium facility. The absolute quantification was expressed in PFU (copies/μl) and was reported in scientific notation. Estimated quantification below LoD level was reported in brown; N/A means no detected amplification or discordance between replicates. *, indicates samples sequenced after *A. astaci* end-point PCR.

IZSve Sample ID	Filterd vol(L)	Filter numerosity	Filter size	Storing method	Average C _t	Standard Deviation	Log Starting Qunatities	PFU (copies/μl)
178.ITT/20.F1a	0.5	1	0.45	-80 °C	31.2	0.23	2.04	1.09 × 10 ^{2*}
178.ITT/20.F2a	0.5	1	0.45	-80 °C	33.34	0.07	1.35	2.25 × 10 ¹
178.ITT/20.F3a	0.5	1	0.45	-80 °C	32.13	0.18	1.74	5.48 × 10 ¹
178.ITT/20.F1b	0.5	1	0.45	EtOH	32.39	0.31	1.93	8.54 × 10 ¹
178.ITT/20.F2b	0.5	1	0.45	EtOH	32.44	0.29	1.64	4.35 × 10 ¹
178.ITT/20.F3b	0.5	1	0.45	EtOH	33.84	0.01	1.19	1.56 × 10 ¹
178.ITT/20.F4a	1	2	0.45	-80 °C	32.81	0.07	1.80	6.32 × 10 ¹
178.ITT/20.F5a	1	2	0.45	-80 °C	32.46	0.30	1.63	4.29 × 10 ¹
178.ITT/20.F6a	1	2	0.45	-80 °C	31.93	0.06	1.80	6.35 × 10 ¹
178.ITT/20.F4b	1	2	0.45	EtOH	31.35	0.09	1.99	9.71 × 10 ¹
178.ITT/20.F5b	1	2	0.45	EtOH	30.93	0.27	2.12	1.32 × 10 ²
178.ITT/20.F6b	1	2	0.45	EtOH	31.16	0.19	2.05	1.12 × 10 ^{2*}
178.ITT/20.F7a	1	1	1.6	-80 °C	32.81	0.22	1.80	6.32 × 10 ¹
178.ITT/20.F8a	1	1	1.6	-80 °C	32.46	0.30	2.00	9.89 × 10 ¹
178.ITT/20.F9a	1	1	1.6	-80 °C	31.93	0.03	1.80	6.35 × 10 ¹
178.ITT/20.F7b	1	1	1.6	EtOH	31.35	0.08	1.99	9.71 × 10 ¹
178.ITT/20.F8b	1	1	1.6	EtOH	30.93	0.30	2.12	1.32 × 10 ^{2*}
178.ITT/20.F9b	1	1	1.6	EtOH	33.84	0.32	1.19	1.56 × 10 ¹
178.ITT/20.F10a	2.5	1	1.6	-80 °C	31.2	0.20	2.04	1.09 × 10 ²
178.ITT/20.F11a	2.5	1	1.6	-80 °C	33.34	0.02	1.35	2.25 × 10 ¹
178.ITT/20.F12a	2.5	1	1.6	-80 °C	32.13	0.34	1.74	5.48 × 10 ¹
178.ITT/20.F10a	2.5	1	1.6	EtOH	32.39	0.19	1.93	8.54 × 10 ¹
178.ITT/20.F11b	2.5	1	1.6	EtOH	32.44	0.11	1.64	4.35 × 10 ¹
178.ITT/20.F12b	2.5	1	1.6	EtOH	31.16	0.12	2.05	1.12 × 10 ^{2*}
178.ITT/20.F13b	3	1	2.7	-80 °C	32.55	0.12	2.19	1.56 × 10 ²
178.ITT/20.F14a	3	1	2.7	-80 °C	32.5	0.30	2.17	1.48 × 10 ²
178.ITT/20.F15a	3	1	2.7	-80 °C	32.52	0.31	2.16	1.46 × 10 ²
178.ITT/20.F13a	3	1	2.7	EtOH	32.76	0.04	2.09	1.22 × 10 ^{2*}
178.ITT/20.F14b	3	1	2.7	EtOH	32.85	0.33	2.06	1.15 × 10 ²
178.ITT/20.F15b	3	1	2.7	EtOH	32.99	0.26	2.01	1.03 × 10 ²
178.ITT/20.F16b	5	1	2.7	-80 °C	31.57	0.17	2.47	2.94 × 10 ²
178.ITT/20.F17a	5	1	2.7	-80 °C	31.66	0.01	2.44	2.76 × 10 ²
178.ITT/20.F18a	5	1	2.7	-80 °C	31.78	0.31	2.40	2.53 × 10 ²
178.ITT/20.F16a	5	1	2.7	EtOH	30.11	0.11	2.38	2.42 × 10 ²
178.ITT/20.F17b	5	1	2.7	EtOH	32.05	0.07	2.32	2.08 × 10 ^{2*}
178.ITT/20.F18b	5	1	2.7	EtOH	32.15	0.29	2.28	1.92 × 10 ²