

Table S1. State IV, RCR (III/IV) and RCR_{oi} (III/IV_{oi}) rates in northern (N) and southern (S) killifish subspecies acclimated to 5, 15 or 25°C and tested at acute temperatures of 2–37°C

Acclimation group	Pop	2°C	5°C	10°C	15°C	20°C	25°C	30°C	35°C	37°C
5°C										
State IV	N	9.79±2.05	27.70±2.66	45.22±3.56	60.71±5.28	79.77±17.60	92.93±11.97	106.77±12.33	189.17±22.24	n/a
	S	8.05±1.94	23.19±3.57	40.25±5.41	60.47±2.51	84.80±14.64	173.36±15.52	170.07±29.64	283.35±18.26	n/a
RCR (III/IV)	N	12.92±1.72	6.99±0.72	6.76±0.79	6.07±0.43	6.03±0.62	4.81±0.48	5.24±1.10	5.71±0.59	n/a
	S	14.88±6.48	7.16±1.36	5.37±0.61	4.93±0.72	5.94±0.47	5.51±0.41	6.67±1.40	3.81±0.38	n/a
RCR _{oi} (III/IV _{oi})	N	45.32±12.04	24.95±3.03	48.13±15.48	47.56±21.99	16.82±2.50	7.33±0.84	5.69±1.02	6.79±0.62	n/a
	S	29.39±10.65	60.41±19.46	28.26±3.77	22.48±3.45	18.28±3.14	18.03±3.48	10.13±0.89	7.10±0.36	n/a
15°C										
State IV	N	n/a	20.94±3.46	31.57±7.34	57.66±4.71	63.37±13.04	90.61±27.24	124.22±27.02	201.68±13.93	324.97±1.90
	S	n/a	21.90±3.25	41.93±5.11	56.23±2.48	90.04±15.36	125.82±6.93	149.59±14.74	257.21±19.08	304.69±41.34
RCR (III/IV)	N	n/a	8.62±1.64	9.24±1.37	6.71±0.48	7.86±1.36	6.43±1.34	6.68±1.22	6.29±0.61	4.18±0.05
	S	n/a	7.60±1.05	6.81±0.53	7.25±0.35	6.75±0.86	5.68±0.07	6.78±0.34	5.25±0.46	4.42±0.24
RCR _{oi} (III/IV _{oi})	N	n/a	47.31±14.89	35.39±1.62	26.45±2.12	19.54±3.21	12.78±0.91	9.94±1.92	9.27±1.32	7.31±1.64
	S	n/a	58.97±44.99	30.89±3.88	21.67±1.68	20.24±4.85	14.65±2.87	11.45±1.62	8.53±0.90	7.26±0.41
25°C										
State IV	N	7.54±1.53	13.93±1.84	27.08±4.88	44.33±5.10	87.90±23.25	90.85±9.96	127.27±35.08	177.34±25.17	298.58±14.98
	S	6.75±3.22	10.87±3.39	27.68±7.72	42.15±2.82	95.15±14.92	130.03±9.32	144.28±52.09	314.57±64.27	341.86±30.94
RCR (III/IV)	N	12.26±3.66	8.49±0.59	9.04±2.03	7.27±0.92	5.45±1.03	6.46±0.71	6.21±0.10	6.05±0.95	4.55±0.00
	S	7.79±3.42	8.65±3.29	6.91±2.06	5.38±0.70	4.08±0.34	4.01±0.28	5.31±1.01	3.75±0.12	3.71±0.38
RCR _{oi} (III/IV _{oi})	N	57.80±30.56	12.98±2.20	14.80±0.92	18.06±1.34	14.57±2.43	12.68±1.71	12.75±3.32	7.27±0.51	5.51±0.50
	S	18.58±3.52	14.04±5.60	24.35±4.27	13.45±2.46	13.02±1.69	10.41±1.86	10.55±1.12	5.79±0.72	4.58±0.42

Data are expressed as means ± s.e.m. (N=4–6).