

Supplementary Tables

Table S1 – Tukey's post hoc test for analysis of significant differences across all groups in biometric parameters. Groups that are significantly different for specific parameters are identified by different letters. $P < 0.05$; n=10/group.

Water Temperature	23°C				13°C			
Thermal History	LT	LHT	HT	HLT	LT	LHT	HT	HLT
Body Weight	a	bc	b	a	a	c	d	a
Standard Length	a	bc	bd	ae	a	c	de	ade
HSI	ab	ab	ab	b	cd	ad	c	cd
K	ns	ns	ns	ns	ns	ns	ns	ns

ns – not significantly different

Table S2 - Tukey's post hoc test for analysis of significant differences across all groups in biochemical parameters. Groups that are significantly different for specific parameters are identified by different letters. $P < 0.05$; n=10/group.

Water Temperature	23°C				13°C			
Thermal History	LT	LHT	HT	HLT	LT	LHT	HT	HLT
Cortisol	a	a	ab	a	a	c	c	bc
Glucose	ns	ns	ns	ns	ns	ns	ns	ns
Sodium	a	a	a	a	a	a	a	b
Potassium	a	ab	ab	ab	ab	b	ab	b
Protein	a	ab	a	a	ab	ab	b	ab
Osmolality	ns	ns	ns	ns	ns	ns	ns	ns

ns – not significantly different

Table S3 - Tukey's post hoc test for analysis of significant differences across all groups in bone parameters. Significant differences were identified by using different letters. $P < 0.05$; n=10/group.

Water Temperature	23°C				13°C			
	LT	LHT	HT	HLT	LT	LHT	HT	HLT
Thermal History	LT	LHT	HT	HLT	LT	LHT	HT	HLT
TRAP	a	abc	a	ac	bc	bc	bc	b
ALP	a	ab	b	a	b	b	b	b
Calcium	ns	ns	ns	ns	ns	ns	ns	ns
Ash	ns	ns	ns	ns	ns	ns	ns	ns

ns – not significantly different

Table S4 – Tukey's post hoc test for analysis of significant differences across all groups in relative abundance of bone transcripts. Significant differences were identified by using

Water Temperature	23°C				13°C			
	LT	LHT	HT	HLT	LT	LHT	HT	HLT
<i>ocn</i>	ab	a	a	ab	ab	ab	b	ab
<i>ogn1</i>	a	a	ab	a	ab	b	ab	ab
<i>ogn2</i>	ab	ab	ab	ab	ab	a	ab	b
<i>gr</i>	ab	a	ab	abc	abc	c	bc	ab
<i>igf1</i>	a	ab	ab	ab	ab	b	ab	a
<i>tra</i>	ab	a	ab	abc	bc	c	abc	abc
<i>trβ</i>	ab	a	ab	ab	ab	b	ab	ab

different letters. $P < 0.05$; n=10/group.