Table S1. Nucleotide sequences used in qPCR assays with the lined seahorse *Hippocampus erectus*

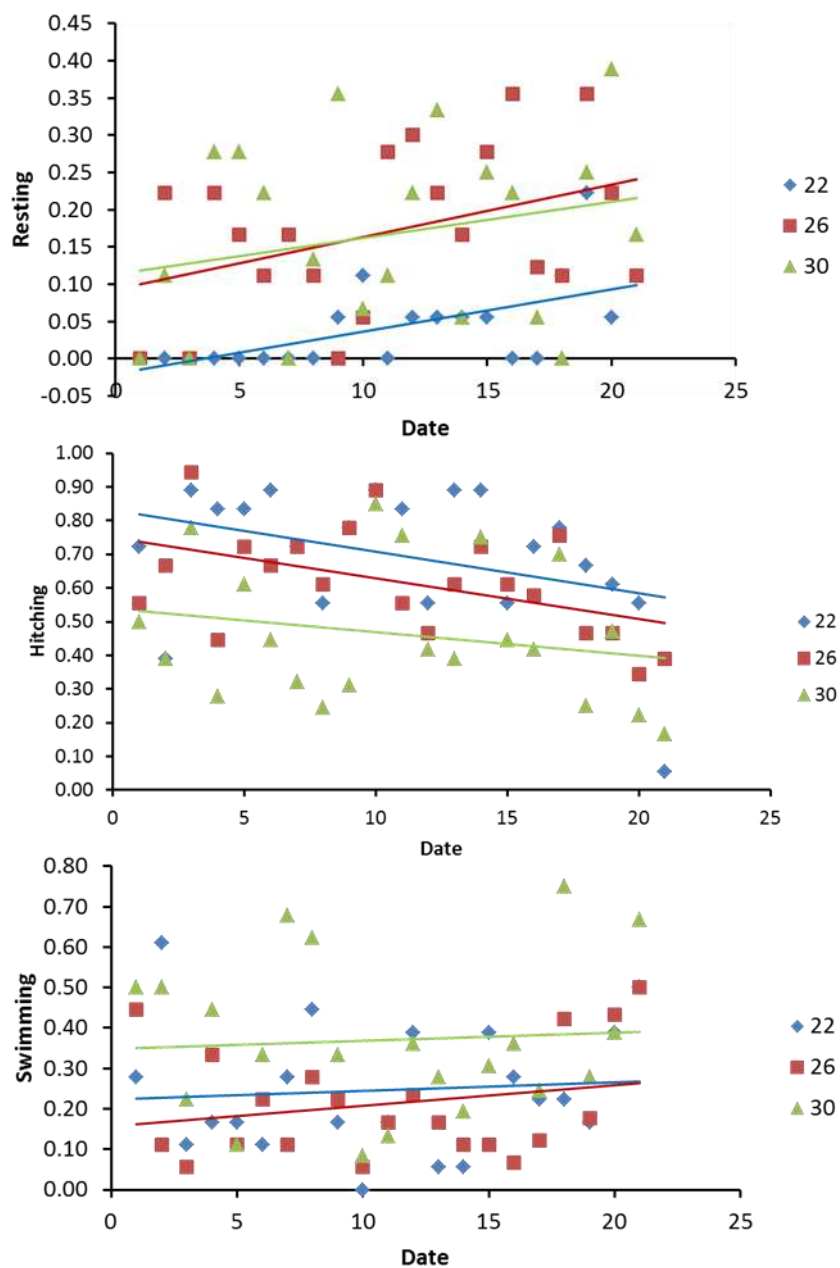| Gene	Primer	5′-3′ sequence
β-actin	Actin-F	GGGACCTGACTGACTACCTC
	Actin-R	TCATACTCCTGCTTGCTGAT
Hsp60	HSP60F3	CGCCTTTCCAAGCCAGTC
	HSP60R3	TGTAACCACGGTCAAACTTCAT
Hsp70	HSP70F4	ATGGTGTCAGCGAAAGGC
	HSP70R4	CCGTGTTGCTCGGGTTC
Leptin receptor	lepr qF	CCTACAACTCAGTGGAAGAAC
	lepr qR	TGTACGGTGCAGTCCTGAAC
Leptin	lepa qF	CGACAAGCTCATCTCAGACTC
	lepa qR	AGGATGTCCTTGACTCTGACC
FSH	FSHqF2	ATGCAGCTAGTTGTCATGAC
	FSHqR2	TGTTTCACTTTGTAGGTCCAG
cGnRH	cGnRH qF	GTTGAGTCCGACACCTTTGG
	cGnRH qR	GCCTCCAGGATACCAACCAT
sGnRH	sGnRH qF	CCTTGCGTAGCTGAGATGGAG
	sGnRH qR	TACATTGTATGGTCGACGTCTC

Fig. S1 Behavior of all seahorses throughout the course of chronic treatment (n=18 seahorses per temperature).

Behavioral categories include hitching (tail attached to a substrate), swimming (body moving freely in the water column), and resting (body making contact with bottom of tank but not attached to any substrate).