

**Table 1S.** List of genes and primers examined in quantitative PCR trials of *Tigriopus californicus*.

Gene	Primer	5'-3' Primer sequence
Beta-actin	Actin-F	CCVGCCATGTAYGTGRSCATYCARGC
	Actin-R	CGRTCRSCRATDCCGGGGWACATGG
Heat shock protein beta 1 #2	<i>hspb1_2</i> -F	TCCAAAGGATTGGACGGACCATGG
	<i>hspb1_2</i> -R	GTTCTTCTGCTCCTTACTTCCTCG
Heat shock protein beta 1 #3	<i>hspb1_3</i> -F	CAAGAACGCCAAGACAAGA
	<i>hspb1_3</i> -R	GAGGGTCCACTGAAGAAATC
Heat shock protein beta 1 #4	<i>hspb1_4</i> -F	CTACGGATTGAAAGATTGCGG
	<i>hspb1_4</i> -R	ACGGCCTCCATTTCGACAATTC
Heat shock protein beta 1 #5	<i>hspb1_5</i> -F	GCTGTGATCATCAAGATAACC
	<i>hspb1_5</i> -R	CATGCAATCCAACATGATGATCC
Heat shock protein 20 #1	<i>hsp20</i> -F	TCGACGACGACCTTCTTATGCC
	<i>hsp20</i> -R	TCAAAGACATCTTGACCTCG
Heat shock protein 70 #1	<i>hsp70_1</i> -F	GGGACATGAAACATTGGCCTTTC
	<i>hsp70_1</i> -R	CGAAATGGTCCACCAATCGGTTG
Heat shock protein 70 #2	<i>hsp70_2</i> -F	CGTCTCCATCTTGTCATTGAGG
	<i>hsp70_2</i> -R	ACGGCCGCACCATAGGCCACAGC
Heat shock protein 70 #3	<i>hsp70_3</i> -F	CAATGGTCAAMAGAGACACRTCG
	<i>hsp70_3</i> -R	ACCAAGWAAAYCGGATCACG
Heat shock protein 70 #4	<i>hsp70_4</i> -F	GACCTCGGTCAACCGTTGCC
	<i>hsp70_4</i> -R	CTCGGTCCAAAGCGTGGCGT
Heat shock protein 70 #5	<i>hsp70_5</i> -F	GGAAATCATCGCCAATGACCAAGG
	<i>hsp70_5</i> -R	CGAATGGCAGCTTGTTAGAGCTC
Heat shock protein 70 #15	<i>hsp70_15</i> -F	ATCACCATCACCAACGACAA
	<i>hsp70_15</i> -R	AGCCAGTCGAGCTTCTCATC
Heat shock protein 70 #16	<i>hsp70_16</i> -F	CACTTGGGTGGTGAGGATTT
	<i>hsp70_16</i> -R	GATTTTTCCACAGGCTCCAA
Heat shock protein 70 #17	<i>hsp70_17</i> -F	CGCTCGCCTTGAACACCTTGA
	<i>hsp70_17</i> -R	TGGACCAATCCGGACCCAAGCA
Heat shock protein 90 #1	<i>hsp90</i> -F	AGGAGCATTTGGCCGTCAAGCA
	<i>hsp90</i> -R	GCGGCCACGACCTCCTTGG
DNAJ #1	DNAJ_1-F	GATCCAGGCCCAAAAAGAAG
	DNAJ_1-R	TCACATTGGCACTTCGATTC
DNAJ #2	DNAJ_2-F	CGTGAAACCAGGATGGAAGT
	DNAJ_2-R	AAATCTCGTCGCTCAAGTCC
DNAJ #3	DNAJ_3-F	AAGTGTGGGCGATTCTGAT
	DNAJ_3-R	GTGAGGAACGATTGGTGGAG
DNAJ #4	DNAJ_4-F	CCAACAAAGGCGACAAAGAC
	DNAJ_4-R	CGTCCACCTGAGCGAAAT
Myosin 2 light chain	Myosin-F	GTGTCGCAAAAGCAAATGAC
	Myosin-R	GAACCTCAACCTCCTCTCA
Tubulin Alpha 1	Tubulin-F	AGGTATGGAGGAAGGCGAAT
	Tubulin-R	TTCAAAGTGATGGGGAGCA
Ubiquitin	Ubiquitin-F	TAACGGTCAAAATGGGAAGC
	Ubiquitin-R	AGCAACTGGAAGATGGACGA
Glyceraldehyde 3-phosphate dehydrogenase	GAPDH-F	GGAGGAGGGGATGATGTTTT
	GAPDH-R	CAACCACGAGCAATACGAGA