

Gene	Forward	Reverse	Efficiency (%)	Reference
<i>Actin</i>	5' CTGCCTCAACCTCATTGGA	5'TGGTTGTAGACGGTTTCGTG	99.5	Bernabò et al., 2020
<i>Hsp70</i>	5'TTGGGGACGACATACTCATGT	5'ACCGCTTGCATCAAAAACACTG	86.5	Bernabò et al., 2020
<i>Hsp70 no intron</i>	5'CAAAAATCAAGTGGCAATGAATCC	5'TGAACTGACTTCTTCTGGAGC	83.5	Bernabò et al., 2020
<i>Cyp450</i>	5'GACATTGATGAGAATGATGTTGGT	5'TAAGTGGAAGTGGTGGGTACA	121.5	Park et al., 2009
<i>Hsc70 (4)</i>	5'CGTGCTATGACTAAGGACAA	5'GCTTCATTGACCATACGTTC	87	Martín-Folgar et al., 2018

Table S1. Sequences of the primers and reference used in this study and their efficiencies obtained for *D. steinboeckii*

References:

Bernabò, P;Viero, G; Lencioni, V. A long noncoding RNA acts as a posttranscriptional regulator of heat shock protein (HSP70) synthesis in the cold hardy *Diamesa tonsa* under heat shock. *PLoS ONE*, 2020, *15*(4), 1–18.

Martín-Folgar, R; Aquilino, M;Ozáez, I;Martínez-Guitarte, J. L. Ultraviolet filters and heat shock proteins: effects in *Chironomus riparius* by benzophenone-3 and 4-methylbenzylidene camphor., *Enviro Sci & Pollution Res*, 2018, *25*(1), 333–344.

Park, K; Bang, H.W; Park, J; Kwak, I.-S. Ecotoxicological multilevel-evaluation of the effects of fenbendazole exposure to *Chironomus riparius* larvae. *Chemosphere*, 2009, *77*, 359–367.