

**S1 Table. Sequences of primers used for RT-PCR and real-time quantitative PCR to quantify levels of *H. vulgaris* transcripts that encode proteins involved in the nociceptive-like response.**

Gene	nucleotide sequence	Expected size (bp)
HSP70	forward 5'-ATG CGA AAC GAT TGA TTG GT-3' reverse 5'ACT CAA CTT GAA TCT TTG GC-3'	114
NOS	forward 5'-TAT CAA GCA GCA GGT GTG AC- 3' reverse 5'-TAC AGA TCC AGA AAG CGG AG-3'	141
CuZnSOD	forward 5'-TCAGTTGGGGATTATTCAAGTG-3' reverse 5'-CAAAACCACCGGAAATGCTGGA-3'	280
Nrf2	forward 5-CTA GTA GAG TCA TTA TCT CC-3' reverse 5-AAA CTT GAA TCT GAC CTC TG-3'	137
Actin	forward 5'-TCC TTG TAT GCT TCT GGT CG-3' reverse 5'-ATA ATG GCA TGG GGA AGA GC-3'	107