

**Supplementary Table 2** New designed primer sequences used for marker D1 and D2 amplification in the RT-qPCR.

<b>Marker</b>	<b>Forward primer</b>	<b>Reverse primer</b>	<b>Product Length (bp)</b>	<b>Contig</b>	<b>Annotation</b>
<b>D1</b>	AATCGTG GGGATGTGGCAAA	TGTACCCACTGCTTTCACCG	146	contig3088	ref[XP_023306098.1  probable chitinase 10 [ <i>Lucilia cuprina</i> ]
<b>D2</b>	AGGCAGCAGTAGTGTGCAAT	CCGTCAAGCTCGTTTGGCTA	175	contig6281	ref[XP_023297597.1  seipin [ <i>Lucilia cuprina</i> ]