

**Supplementary Table 1.** List of Forward and reverse primer sequences of genes used for RT-qPCR validations

Gene	Forward primer 5'-3'	Forward primer T <sub>m</sub> (°C)	Reverse primer 5'-3'	Reverse primer T <sub>m</sub> (°C)
<i>Gapdh2</i> (FBgn0001092)	GAAGGGCATTTTGGGCTACA	55.38	CGAACACCGAGGAGTGAGTGT	59.26
<i>antdh</i> (FBgn0026268)	ATGGGCATTGTGATGTGC	58.81	CGAGAATGCTGTTGATGAGC	59.55
<i>Hsp68</i> (FBgn0001230)	TGAGTGCCAAGGAGATGG	58.19	ATGTCGGCTTGCGATAGG	59.78
<i>CG11147</i> (FBgn0031734)	AGTCCCCGATAACCATTTCG	58.30	TCATCAGCGCCTTTATGC	58.46
<i>ELOVL</i> (FBgn0037534)	TCTTCACATCGCCATTTCG	59.28	CTTCTACAAGCGTGCCTACG	58.75
<i>Yellow-g2</i> (FBgn0035328)	TCGCTGAAGTCCGAGTACC	58.97	TGCCAATGATGACCATGC	60.01
<i>CG4009</i> (FBgn0038469)	TCATTGCCAAGCAGTTCC	51.93	TTGGGAGCGTGAGAAACC	53.6
<i>CG34353</i> (FBgn0085382)	GCACTCATCCCAAATGTACG	59.00	GCATCAGATTGCCATAGCC	59.20
<i>Mid</i> (FBgn0261963)	CAGGATAACAAGCGCAAGG	59.43	TGGGATCCGCATTATTGG	60.24
<i>CG13284</i> (FBgn0032614)	TGGCAAGGAATATGCAAGG	59.63	ACGGCAATCAGCTTCTCC	58.91
<i>Pug</i> (FBgn0020385)	ATGCGGACATCTTGATCG	58.06	GATGCCACAATCGATGACC	59.87
<i>E(spl)m3-HLH</i> (FBgn0002609)	GGCAAGGACGAACTAATCG	58.31	CGACTCTTGCGAACTGACC	59.56
<i>CG3339</i> (FBgn0039510)	GACGAACTCTTTGGCATCG	59.38	GGCATATTGCGCTGTTCC	59.03

RT-qPCR, real-time quantitative polymerase chain reaction