

Supplementary Table S1 Primers used for RT-qPCR analysis of transcripts from transgenic flies

| Primer name | Sequence |
|---------------------------|----------------------------------|
| RT-1-2-forward | 5'-AAATGATTATCGCCCGATTACCACA-3' |
| RT-1-2-reverse | 5'-TCAGTGCTCGAAAAAGCTTAGTGGA-3' |
| RT-3-4-forward | 5'-CCGATTCGAGCTCCACTCAACC-3' |
| RT- 3-4-reverse | 5'-GGAGCGCGCTAAGTGGTCAAAA-3' |
| RT-5-6-forward | 5'-ATCCAGTTGATTTTCAGGGACCA-3' |
| RT-5-6-reverse | 5'-TTGGCAGGTGATTTTGAGCATAAC-3' |
| RT-7-8-forward | 5'-GCACTGGATATCATTGAACTTATCTG-3' |
| RT-7-8-reverse | 5'-TGGACAGAGAAGGAGGCAAACA-3' |
| <i>white RT</i> -forward | 5'-GCAAATGTCAGCACACGATCAT-3' |
| <i>white RT</i> -reverse | 5'-GTGGGCTCATCGCAGATCA-3' |
| RT-9-10-forward | 5'-ACTGCATTCTAGTTGTGGTTTGTCC-3' |
| RT-9-10-reverse | 5'-CAGCGCTGACTTTGAGTGGAAATG-3' |
| RT-11-12-forward | 5'-AAGCTTATCGGGGCTGCAGGAAT-3' |
| RT-11-12-reverse | 5'-TCAGTGCTCGAAAAAGCTTAGTGGA-3' |
| RT-13-14-forward | 5'-TAGATCGTCAAATAAAGTCCCTA-3' |
| RT-13-14-reverse | 5'-GTTTGGTATGATTTTGGCCTTC-3' |
| <i>yellow RT</i> -forward | 5'-TGTGACCCTGATCACCTTGG-3' |
| <i>yellowRT</i> -reverse | 5'-TCGGGTATTCGGGAAAGCA-3' |
| Ras64B-forward | 5'-GAGGGATTCTGCTCGTCTTCG-3' |
| Ras64B-reverse | 5'-GTCGCACTTGTTACCCACCATC-3' |