**Table. S1. Primers and nucleotides used in experiments.**

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| Primer name | Sequence (5’-3’) | Application |
| EF1α-F | TAGACGCTATCCTACCCCCCA | Real-Time PCR |
| EF1α-R | GTGAAATCAGCAGCACCCTTG | Real-Time PCR |
| wg-F | ATTGTGGACAGAGGTTTCAGGGAG | Real-Time PCR |
| wg-R | GCCCCACTCCCAGTCCTTGA | Real-Time PCR |
| hh-F | TAATCGGCATTCACAAGCAACC | Real-Time PCR |
| hh-R | ACCAGCGGCTTCATCTTTCG | Real-Time PCR |
| brk-F | GAACCCGTCGGCAAGGTGGAAG | Real-Time PCR |
| brk-R | CGTGGCTCGCTGATTTCCCTGG | Real-Time PCR |
| ap1-F | TCGTCGAACTCAGACTTGAAGGTGC | Real-Time PCR |
| ap1-R | ATGGGCGTGTTTGAAGACCTGG | Real-Time PCR |
| ap2-F | CAACGTGCTCAGCATACCACAATC | Real-Time PCR |
| ap2-R | GACAGTCCAGTTTTTTGAGCCAGC | Real-Time PCR |
| dpp-F | GCCGTGGCAGTAGTAAGCGTCGTAG | Real-Time PCR |
| dpp-R | TGGCAAGAATAGCCGTCCCGTC | Real-Time PCR |
| Ubx-F | CGCTCGTCATACAGAATCGTCCCA | Real-Time PCR |
| Ubx-R | AATGTGTGGTGTGAGTGTGTGCGG | Real-Time PCR |
| vg-F | AGAGACGATGCTCGCACTGAAA | Real-Time PCR |
| vg-R | TTCTGGAAGACATTGGGGAAGTAT | Real-Time PCR |
| dll-F | CTAAGGATGCGGCAAGTTCAG | Real-Time PCR |
| dll-R | GTGGTATCGCAGAAGATGGCA | Real-Time PCR |
| sd-F | CGTTGGTGTTCCATAAATGCTGAGA | Real-Time PCR |
| sd-R | AACCTCCATCAACTGCTGTATCGTCT | Real-Time PCR |
| N-F | CAACCCACCAGGGAGTCTCTCATTA | Real-Time PCR |
| N-R | AAACGACATAGACCCGCTCCGATA | Real-Time PCR |
| dl-F | AACGCAACGCATCGCAGAGAA | Real-Time PCR |
| dl-R | AGTGCGTTTTTATCGTCTACGGGTGT | Real-Time PCR |
| ser-F | TGTTAGTGCCCAAGCAGTTCCA | Real-Time PCR |
| ser-R | CAACCCCTTCGACATACACATTCT | Real-Time PCR |
| su(h)-F | TGCCAGTTCAACAGAGTGGGGAG | Real-Time PCR |
| su(h)-R | TAGTCGGGGTAAAGCCATTCCAGA | Real-Time PCR |
| en2-F | CCATCACAGACACTACCACCCCCA | Real-Time PCR |
| en2-R | GCGGCGTTGTGACTGAGTTGGTT | Real-Time PCR |
| sal-F | GTCCCGCCGAAAGCAATCCA | Real-Time PCR |
| sal-R | GACAACGACAGCCGCACCCG | Real-Time PCR |
| srf-F | GTGCTACGAACCCACCGACC | Real-Time PCR |
| srf-R | GCCCTTGGTTTTCTTGCCGT | Real-Time PCR |
| hth-F | GCGGATTCAACATCGCACAC | Real-Time PCR |
| hth-R | CTCGCCTTTGGCACCATTTA | Real-Time PCR |
| omb-F | CAAACCGCTGCCGCTATGAC | Real-Time PCR |
| omb-R | GCCTGCTGCTGGACTGTAGACG | Real-Time PCR |
| exd-F | ATTGCTGAAGGAGTGGCTGGTC | Real-Time PCR |
| exd-R | TGCTCTGTAGTCGGAATGCTCG | Real-Time PCR |
| vgp1-F | CATCACTTCACGCCGTTCACC | Partial sequence |
| vgp1-R | TGAGTAAGACGTGCCAGTGTCCAAG | Partial sequence |
| vg5’-RACE outer | TGGGAAGTTTCTGGAAGACATTGG | 5’-RACE |
| vg5’-RACE inner | TCTCTGGATGTGTCCTCTTCCTTGT | 5’-RACE |
| vg3’-RACE outer | ATATGAGTGTCTCACCACTTCTGCG | 3’RACE |
| vg3’-RACE inner | GCCCAGTACGGCAGCCTATTA | 3’RACE |
| vgfull-F | GTCCCCGCGCTCACGTAC | Full-length  |
| vgfull-R | GGAGACCGCAGAAGTGGTGAGA | Full-length |
| eGFP-F | taatacgactcactatagggagaCAGTGCTTCAGCCGCTAC | dsRNA synthesis |
| eGFP-R | taatacgactcactatagggagaGTTCACCTTGATGCCGTTC | dsRNA synthesis |
| dsvg-F | taatacgactcactatagggCGTGTCAGTAAATTGCGTGG | dsRNA synthesis |
| dsvg-R | taatacgactcactatagggCACGGTTCCATACCAGCTTT | dsRNA synthesis |
| qdsvg-F | GTTGAGAGCGTTGGAAACACACC | *vg*RNAi analysis |
| qdsvg-R | ACTGCTGTGATGTGAGTCCGTATG | vgRNAi analysis |
| vg-ORF-F | ATGAGCTGCACAGAGGTTATGTATC | VG analysis |
| vg-ORF-R | TTAAAACCAATATAGATCTTTGGACGTC | VG analysis |
| vg-DNA-F | CATACGGACTCACATCACAGCAG | Real-Time PCR |
| vg-DNA-R | GTACTACCGAAACGCTATTGGCT | Real-Time PCR |
| miR-147b-F | GTGTGCGGAAATGCTTCTGCT | Real-Time PCR |
| U6-F | CGCAAGGATGACACGCAA | Real-Time PCR |
| miR-R | GAATCGAGCACCAGTTACGC | Real-Time PCR |
| miR-147b-F | GTTTAAACTCATACGGACTCACATCACAGCAG | miRNA function |
| miR-147b-R  | CTCGAGGTGTGCGGCAACACGCCT | miRNA function |
| miR-147b-mut-R | CTCGAGACTGTATACAACACGCCTGTCCCCGC  | miRNA function |