**Supplementary Figure 1.** Experimental design for silkworm tissue collection. L5D1: 1-day-old 5th instar, L5D7: 7-day-old 5th instar, L5D8: 8-day-old 5th instar, RF: respiratory funnel, DAP: day after parasitization, W: wandering stage, PP: prepupal stage, P: pupal stage.

**Supplementary Figure 1**
**Supplementary Table 1** Primers used in this study for RT-qPCR analyses.

| Gene name | NCBI Gene ID/GenBank no. | Primer sequences (5′ to 3′) | Length of product (bp) | Amplification efficiency (%) |
|-----------|--------------------------|-----------------------------|------------------------|-----------------------------|
| BmActin3  | 100145915                | F: CGGCTACTCGTTTCACTACC R: CCGTCGGGAAGTTCGAAG | 147 | 99.87 |
| BmEcR-A   | 692756                   | F: CTATCCCTCAGGCAGCTCAGG R: GTGCAGGACCTTTTCTTGC | 152 | 104.13 |
| BmJHE     | AY489292.1               | F: TTGCAGTTTGGATCTGGTGA R: GCCATTGTTTCCGCGGACT | 145 | 98.86 |
| BmEcR-B   | 692756                   | F: AGACGCGCCGTGGTCTAAATAA R: ATCCCGTCATCGTAGTCCA | 169 | 95.74 |
| BmUSP     | 693034                   | F: AATGTCCGTAACCTGCCTGGA R: TCAGATGGCAACTGGTGT | 144 | 99.99 |
| BmE74     | 693011                   | F: TACCTGGTGGGAGTTGCTGT R: TGTCTGGCTGTTCTGTGC | 151 | 106.03 |
| BmE75     | 692595                   | F: CCCAAAGATGCAAATTCACG R: TGCCATATGAGACAGATGAT | 114 | 92.45 |
| BmHr3     | 692562                   | F: ACCGAGACTGAACTGGCTCT R: GTATCTTTGCGCGGAGTGT | 191 | 98.79 |
| BmBrC     | 692523                   | F: AAGACGTGGGCGTACACAGAC R: TCAGAAATGAGACAAAGCTG | 93 | 99.35 |
| BmE93     | 101737038                | F: CCTTCGTCTCCAAGTCTGT R: TGCTATTCGATGCTCCATCT | 142 | 97.98 |
| BmFz-f1   | 693070                   | F: ATGGTCTGTATGCTGGT R: ATGGAAGTGGTCGGAATAT | 145 | 102.09 |
| BmTPS     | 101741345                | F: TCGGTATCAGAAGCTTGGT R: CAAAGCACCTTTGCTGACG | 111 | 99.04 |
| BmChsA    | 100884166                | F: ACAAAGGCGTCGCTAGCG R: CCAAGACGTAAGACGCTG | 136 | 93.72 |
| BmorCPG1  | BR000422                 | F: GATACGGCGGCTCTGTCAT R: GGCTGGGACACTACCTTTCG | 125 | 98.43 |
| BmorCPR45 | BR000546                 | F: ATCAGGAACAGGTATCAATCC R: TTATGTA66CCTCGTCTTCAGC | 95 | 90.28 |
| BmorCPR55 | BR000556                 | F: ATGGGTATATCGACGAGGTTG R: CGTGGAAACGGCTGTG | 129 | 108.66 |
| BmorCPR99 | BR000600                 | F: AAAGCTCGCTGTTGCTACCC R: TAGCAGGAAGTGGGAGAAGTGTG | 134 | 99.14 |
| BmorCPR93 | BR000594                 | F: GTGAATATACCTCCTCGAACC R: AATATACAGATCGACGAGGACTTC | 148 | 94.86 |
| BmorCPG12 | BR000433                 | F: CACGATCATGAGACCAATGC | 114 | 96.42 |
| \textit{BmorCPH2} | BR000452 | F: CCGAAAGTCAGCAGATGAGAG | 106 | 101.23 | R: CGAGTCGGTCGCTGTAGTG |