

Table S1 Primers used in this study.

Name	Primer sequence	purpose
HiOGS01149-F	<u>CGGGATCC</u> ATGGATTACAAGGATGACGACGATAAG	Gene clone
	AGTTATAAGCTCTTAGCAC	
HiOGS01149-R	<u>ATAAGAATGCGGCCG</u> CTTATCCACCTCCAAAGTTGG	
HiOGS03714-F	<u>CGGGATCC</u> ATGGATTACAAGGATGACGACGATAAG	
	AGCCAATTGGGAGACCTAG	The relative mRNA levels of <i>HiOGS03714</i> and <i>HiOGS01149</i> were investigated by qPCR
HiOGS03714-R	<u>ATAAGAATGCGGCCG</u> CTATTTTTTCATCTTCTCAAG	
	GAACTCC	
qHiOGS01149-F	TTACCAAGAAGTGCTCCAAAG	
qHiOGS01149-R	GTACACGACCATGAGAAGACG	Reference gene
qHiOGS03714-F	CGGTGGTGGCTCCATTCGT	
qHiOGS03714-R	TTGCGGCCTCGTGTCTGC	
SW-F	TTCGTAAGGCTCTTCTCGT	
SW-R	CAAAGTTGATAGCAATTCCT	qPCR analysis of the expression of endogenous antimicrobial peptides and immune-related genes in transgenic silkworms.
qCecropin-F	CTTCGTCCTCGCGTTGGT	
qCecropin-R	AAGGATTTGCTTCCCTAT	
qGloverin-F	GCACTTTGGGACAAAACGAT	
qGloverin-R	TGGCTTGTGCATTCTTGTC	Validation of differentially expressed genes using qPCR
qImd-F	CCGTATGCGAAAGGAA	
qImd-R	TTGGAAGGTAGAGAGG	
qKWMTBOMO03767-F	GGATTCTTCTCGGGAGTATGGG	
qKWMTBOMO03767-R	AGCAGTGTGCAGCTGACAGGAC	
qKWMTBOMO08185-F	TTATTTTATGTTCGCTTGC	
qKWMTBOMO08185-R	CACATTGCGTTGTAGATTG	
qKWMTBOMO02953-F	GACGGCTGCCCTGCTTCCACATCA	
qKWMTBOMO02953-R	GCACACACGAACGCCACGCACAAA	
qKWMTBOMO03769-F	GCTGGATTATGATTATGGT	
qKWMTBOMO03769-R	GTACGGATTGTTTAGGGAC	
qKWMTBOMO02955-F	TATCGTAACATCACACATCACCTC	
qKWMTBOMO02955-R	ATATTGTACCAACGCACCAGACTC	
qKWMTBOMO01630-F	CGCCAACTCCACCTCCTACT	
qKWMTBOMO01630-R	CAATGCCATCACCATCACTG	
qKWMTBOMO05167-F	ACATCATACGAAGGCACCACAT	
qKWMTBOMO05167-R	CTGCTACTAAAGGACCACCCGA	
qKWMTBOMO04140-F	ATCTGCCTTTCGCGTACTTA	
qKWMTBOMO04140-R	TTGACACCGCTGTTCCCTTT	
qKWMTBOMO16427-F	TATTTCTTCGCCACGGTCC	
qKWMTBOMO16427-R	CCTCCCACTTGTTTATCCC	
qKWMTBOMO03380-F	AGCAGTTGATTGGAGAAGG	
qKWMTBOMO03380-R	ATGTTGCAGTGGAGTTGAG	
qKWMTBOMO16827-F	CCTGGAGGAAGAAGGCAAC	
qKWMTBOMO16827-R	CCAACCGCTTATTAAAGAT	
qKWMTBOMO10973-F	AGGGTTAGGTTTTTCTTTGT	

qKWMTBOMO10973-R

AATCCTGCTTGGTAGGGTACT

Note: The underline of primer represents the restriction site BamHI and NotI. Bold represents the Flag protein tag sequences.