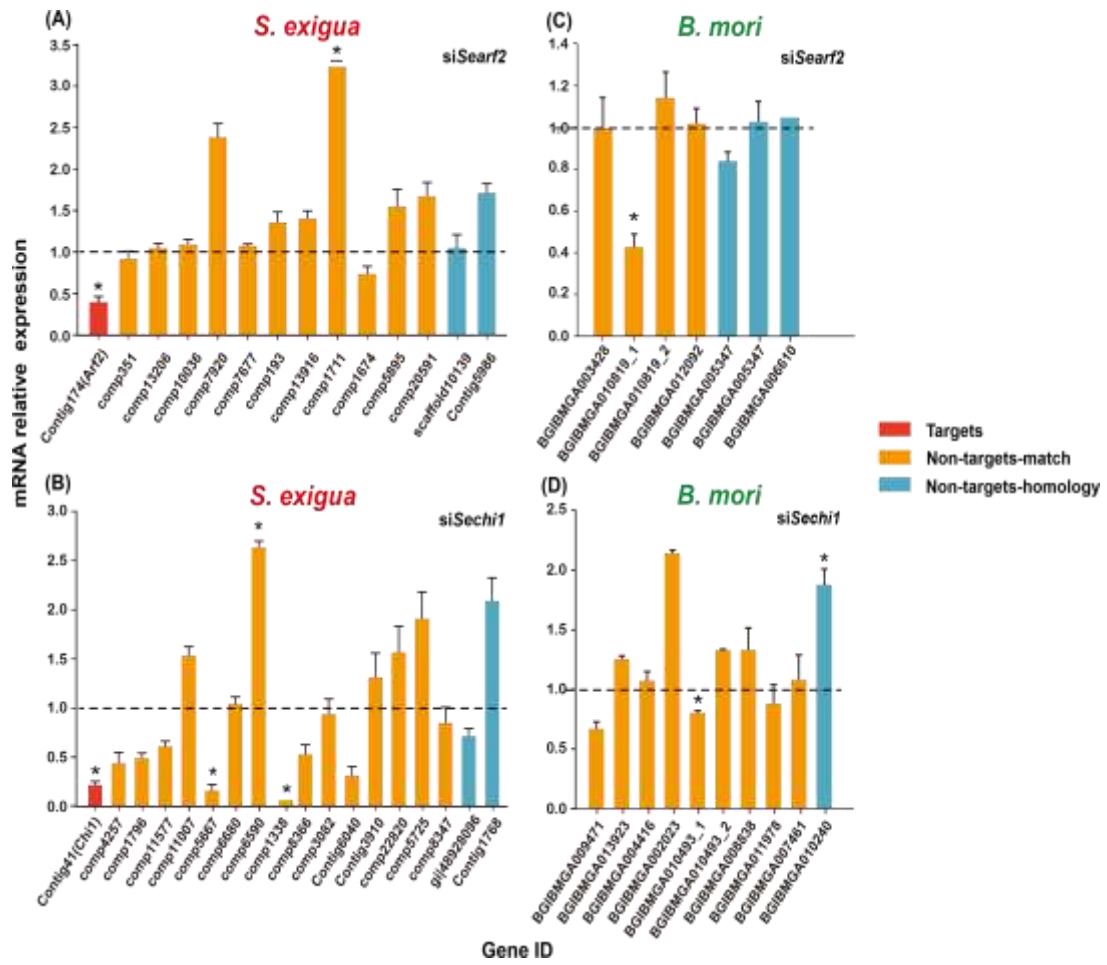


Appendix A. The primers used in qRT-PCR validation.

Gene ID	Sense (5'-3')	Antisense (5'-3')
<i>S. exigua</i>		
Contig174(<i>Arf2</i>)	AATGCCGCCGAGATA	GCCACAAGGATACTGT TTC
comp351	ATAGACATCACGCCGAGCCTTTGT	ATGTGGCCCTAGCGTTCCTTACTT
comp13206	ACGTGTTTGGTGATTCCACTTGCG	ACATGACATCAGAGACACCGCCTT
comp10036	TGACAAGACTCACACTGGATTG	GAGTAGCCAGAACTTACGACTTT
comp7920	GTTGAGAAAGGTCCGAAGATG	AGTCGAAGTCTCGGGTATAA
comp7677	TATAGTGTGTATGTGGCGGTGGCA	AGACACCCACTCCTTCCACACATT
comp193	TCTAGAACCTGTTTGCCAGTGCCT	AGTCGCATCCCTGATGAGATCACT
comp13916	GTGACCAGCCAGAGAAGAATAG	ACCATGAAGGCAAGACTCTAAG
comp1711	CTTCATCTGTGCGTGGTACTT	GCCGTGGAGAAGGAACTATTG
comp1674	ACGAACGGTTGTCTTGT TTTGTCGC	GAAATCCGGCGTTGGCATTCAAGA
comp5895	GATTTGCCATGCGGATTCTGTCT	CGAAACGCATTCGCAAAGTACCCA
comp20591	G TTCACAATCACGAAACCCGCAGT	ACATCCGATGGACGCGTGAAACTA
scaffold10139	GGTCAGTCAGTCACAACGATAC	GACCTTGAGTGCCTGTGTAATA
Contig5986	CGTCCGACAGAGACAGAATATC	CTAACACTAGCAGCGGAACA
Contig41(<i>Chi1</i>)	CAGCGACTCCACCAACTC	CCTTCCAACCCTTCATCC
comp4257	AGGTTACGTGTAGATGTGCCGCTT	ACCGAAACGAACGAACCACTACCT
comp1796	GGATCTTGCCATTGGCCGCATTTA	TTGAAAGATCCTTCGGCTCAGGGT
comp11577	ATCCGGGATTGGCTGAGATCTTGT	TGCTCCCTGATGACTTCAGAGCTT
comp11007	TGCCCTTTGACTACGCCCTTATGA	TGCTCATGGCTTCGTTGAGTACA
comp5667	TGTCGCTGACACCGCAAATGAAAG	TGCGATCATCTCCTTCACGAGCAA
comp6680	AATTCCTGAAGAAGCTGAACCGGC	GTGCTTCTTGTGTAGTGCGGCTT
comp6590	GTGGAGCCAAGAGCAACTAAA	ACAGTGACAGGTCAACCAATG
comp1338	TTTCTTTCGGTGGCTATGTCCCA	GCAGTGAAGAAGCAGCCGTCAAAT
comp8366	TACTTGTAGACAGCCGTTTCGCGT	GTTCAACGAAGCTCTGAAGCAGCA
comp3082	AGGCTCTTGGTGCTAGTGTGTGCA	ACCGTCCAAGATCCGGTTTCAGAT
Contig6040	ACCAGAACAGCGTGAAGAAG	CAGCTACTGGTACGTTTCGTTATC
Contig3910	GTCACCTTGACACTACAGATG	GCAGAAGATTGACGAGCTAGAG
comp22820	AGTGTGCGAGTTGTGACGGCAGTTT	ACCCAAGTGTGTTGTCTTTCTAGC
comp5725	ACTCGCCAGCATAGTCAACTGCAT	AGCTAGCGAACCACAAGAAACCGA
comp8347	AGCAGCAGGTACTGGTGTGACATT	ACAATTTGCTGCCTGCTAACGACC
gi 48928096	TGACAACATCAAGGTGGATAC	CCAGTTTCCCTCTCCCATTTAC
Contig1768	CACCCTCTCGAACCTAATAAC	ACCTCATAATAGGCGAGGAAAC
<i>B. mori</i>		
BGIBMGA003428	GACGGCTCTGGCATATTTCT	AACCTTCCCAGCAGAATGAG
BGIBMGA010819_1	AGAGCGCCTATAAGACGCACATTG	GGCCTGTTATGTTGTAGGCTACTG
BGIBMGA010819_2	CGCCTATAAGACGCACATTGA	TGGCCTGTTATGTTGTAGGC
BGIBMGA012092	AGACATCGCCTTCAGTTTCC	CGCTAGTCAGAGCAACCATAAA
BGIBMGA005347_1	TGAACGCAGCCGAGATAACAGACA	TGGCGTTCCTGAGCTGATTGGAGA
BGIBMGA005347_2	TGTTGGAGGCCAAGACAAA	GATACGTTCCCGATCGTTACTG
BGIBMGA006610	CAGGACAACACGAGAAGACATT	GCTGGTATCTCGTAGGGAATAGA
BGIBMGA009471	GGAAGTGCGGCAAATGTCCAAAGA	ACGTTGATCTGATTGTACGGCGTC

BGIBMGA013923	TTTCGGCAACAGAATGAACCTGGC	ACTTCCACGCGATCACCTCTGAAA
BGIBMGA004416	AAAGTACGGAAGACCGGTTCCACT	TCTGGCGTAGAGTGCTGTGATGTT
BGIBMGA002023	CATATCGCAGGTTCTAGGCATC	CGGGAGTAGGAGGAGTTGTAATA
BGIBMGA010493_1	ACGACGCAAATGCTGTTCTTGGAG	ACGACGCAAATGCTGTTCTTGGAG
BGIBMGA010493_2	GACCCAGAAGACACTGTGATAG	GGATCCTGTCCAAGGATGATAG
BGIBMGA008838	GTACGGAAAGGTCACAGACTAC	TCGAATATCCGGGTTTCGATTAC
BGIBMGA011978	TGTGGTCACTGCTACTTTGAG	CCACGGTTGTGTAGGTGTATT
BGIBMGA007461	ACTCCGCGAATATGTTGATAGG	ATAGCGTACGACAGGAAGAATG
BGIBMGA010240	AACTCAATGGGTGGGCTACGAAGA	TTCCTCGCCGCATAGTCCCTTAAA



Appendix B. The qRT-PCR validation for expression profiles of selected genes.