

Table S1
Oligonucleotide primers

Primers	5'-3' sequences
Primers used for qPCR	
In <i>Tribolium</i>:	
<i>Tcspo</i> /forward	GGGACGAGCCTGGACTGTT
<i>Tcspo</i> /reverse	CCCGTGCTGAAAGGAATGA
<i>Tcspot</i> /forward	CCTGAGCATTTCCTACCGTTC
<i>Tcspot</i> /reverse	CCCACCCAGAATCCCAAAG
<i>Tcphm</i> /forward	AAGAATGTGTGTCGGTGATGAA
<i>Tcphm</i> /reverse	TCGTGAGGTTTCGGAGTTAGTG
<i>Tcdib</i> /forward	ACAGGAAGAGCCACCTCACC
<i>Tcdib</i> /reverse	ACCATTCGGGTCCATTTGTT
<i>Tcsad</i> /forward	GCTAAGAGCCCGCAAATCC
<i>Tcsad</i> /reverse	GGTAAAGCCGCAAAGTCTCCT
<i>Tcshd</i> /forward	GGTCAACGAACAAGGTGAGG
<i>Tcshd</i> /reverse	GAGTCGGTCTGCGATGTAGTTT
<i>TcrpS3</i> /forward	CAACTCGCACGGAAATCATC
<i>TcrpS3</i> /reverse	CCACCTTCTCGCCATACAAA
In <i>Drosophila</i>:	
<i>E74A</i> /forward	TTTCTCTGCCGTTGTCGTC
<i>E74A</i> /reverse	GCACTGAGACCCGCTCAC
<i>E74B</i> /forward	CGCGAGTTCAAAGTGCTCTA
<i>E74B</i> /reverse	GGAGGGAGAGTGGTGGTGT
<i>E75B</i> /forward	CAACAGCAACAACACCCAGA
<i>E75B</i> /reverse	CAGATCGGCACATGGCTTT
<i>phm</i> /forward	GGATTTCTTTCGGCGCGATGTG
<i>phm</i> /reverse	TGCCTCAGTATCGAAAAGCCGT
<i>dib</i> /forward	TGCCCTCAATCCCTATCTGGTC
<i>dib</i> /reverse	ACAGGGTCTTCACACCCATCTC
<i>sad</i> /forward	CCGCATTCAGCAGTCAGTGG
<i>sad</i> /reverse	ACCTGCCGTGTACAAGGAGAG
<i>rpL23</i> /forward	GACAACACCGGAGCCAAGAACC
<i>rpL23</i> /reverse	GTTTGCGCTGCCGAATAACCAC.

Primers used for dsRNA synthesis

TcspoRNAi/forward taatacgactcactatagggagaGCTCGCCCAGATTCACTTC
TcspoRNAi/reverse taatacgactcactatagggagaATGGTGGCTTCCGTGTAGG

TcspotRNAi/forward taatacgactcactatagggagaTTGTTGCCCTTCCACGAGA
TcspotRNAi/reverse taatacgactcactatagggagaCCCACCCAGAATCCCAAAG

TcphmRNAi/forward taatacgactcactatagggagaTCACGAGACGATGCCACTT
TcphmRNAi/reverse taatacgactcactatagggagaCCAATTCATCACCGACACAC

TcGFPRNAi/forward taatacgactcactatagggagaTTTTCACTGGAGTTGTCCCAAT
TcGFPRNAi/reverse taatacgactcactatagggagaTTTGTGTCCAAGAATGTTTCCA

Primers used for synthesis of the *in situ* probe

Tcspot/forward(2) ACAGAAGAACATAAGGGAGGCG
Tcspot/reverse(2) taatacgactcactatagggTCGAAGTCGTGTTGGTTCG

T7 RNA polymerase promoter sites are shown in lower case letters. Tc: *Tribolium castaneum*