

Supplementary material

Table S1. *Green fluorescent protein (gfp)* and *Brassicogethes aeneus coatomer subunit alpha (α COP)* regions for *in vitro* dsRNA synthesis.

Gene	Name	Length of region (bp) for dsRNA synthesis	Sequence of gene region
<i>αCOP</i>	<i>coatomer subunit alpha</i>	222	AAGATGCACCACATAATGGACATTTTTCTTCAG GTTTTCTCTGTAAATGGGGGTGTATGAATAAC CACAAATCGAAAATGGATTATGTTTCATCGTAAT TTAATTGAAGTTCATCTGTAAATTAGAGTCAC AGGCCTGTAAAATTTTTCTTGCCTGCTGAGCCA CCTCAGGACGTGGGCCCAATTCCAATAGCCTCT TGGCCAGCGAAGACG
<i>gfp</i>	<i>green fluorescent protein</i>	455	TACGGCGTGCAGTGCTTCAGCCGCTACCCCGAC CACATGAAGCAGCAGACTTCTTCAAGTCCGCC ATGCCCGAAGGCTACGTCCAGGAGCGACCATC TTCTTCAAGGACGACGGCAACTACAAGACCCGC GCCGAGGTGAAAGTTCGAGGGCGACACCCTGGT GAACCGCATCGAGCTGAAGGGCATCGACTTCA AGGAGGACGGCAACATCCTGGGGCACAAGCTG GAGTACAACACTACAACAGCCACAACGTCTATATC ATGGCCGACAAGCAGAAGAACGGCATCAAGGT GAACTTCAAGATCCGCCACAACATCGAGGACG GCAGCGTGCAGCTCGCCGACCACTACCAGCAG AACACCCCCATCGGCGACGGCCCCGTGCTGCTG CCCGACAACCACTACCTGAGCACCCAGTCCGCC CTGAGCAAAGACCCCAACGAGAAGCGCGATCA

Table S2. Primer amplification efficiencies of genes used in the present study.

Gene	Name	Forward (5' to 3')	Reverse (5' to 3')	PCR type and efficiency (%)
<i>gfp</i>	<i>green fluorescent protein</i>	CACATGAAGCAGCAGACTT	TGCTCAGGTAGTGGTTGTCTG	RT-PCR
<i>αCOP</i>	<i>coatomer subunit alpha</i>	CCAACTTGGTCATTTAACAATCTGG	CCCTTCCTTCATCATGGACA	qPCR, 107.8
<i>rps3</i>	<i>ribosomal protein S3</i>	CCAACGCGTACCGAAATTAT	GAGTTTTCGGGGAAGTTGAA	qPCR, 100
<i>act</i>	<i>actin</i>	TCACGGACAATTTCCCTTTC	TATCCTCCGTTTGACTTGG	qPCR, 90.8