

Supplementary Material

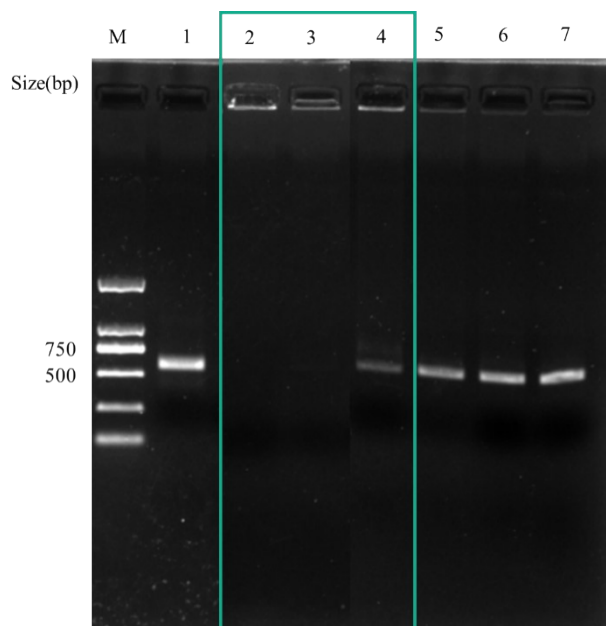


Fig. 1. Binding of dsRNA to chitosan solutions at different concentrations

25 μ g dsRNA was combined with 100 μ L CS. M: DNA Marker; 1: dsRNA; 2-7: The mass ratios of the dsRNA and CS were: 1.25:1, 12.5:1, 25:1, 50:1, 100:1, and 125:1. The dsRNA band was approximately 600 bp.

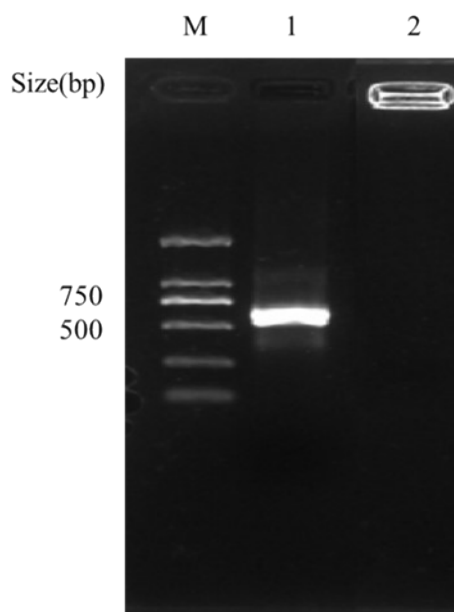


Fig. 2. Combination of dsRNA and SPC

1 μ g of dsRNA was combined with SPC in a mass ratio of 1:1. M: DNA Marker; 1: dsRNA; 2: dsRNA/SPC. The dsRNA band was approximately 600 bp.

Table 1 Sequences producing significant alignments

Scientific Name	Max Score	Total Score	Query Cover	E value	Per. Ident	Accession
<i>Carposina sasakii</i>	72.3	72.3	13%	6e-08	90.14%	CP053149.1
<i>Pheosia tremula</i>	70.3	70.3	9%	2e-07	94.00%	HG995397.1

<i>Pheosia gnoma</i>	70.3	70.3	9%	2e-07	94.00%	FR989894.1
<i>Marasmarcha lunaedactyla</i>	60.3	60.3	6%	2e-04	97.14%	OV281346.1
<i>Blastobasis adustella</i>	60.3	60.3	5%	2e-04	100.00%	OU026116.1
<i>Blastobasis lacticoella</i>	60.3	60.3	5%	2e-04	100.00%	LR990043.1

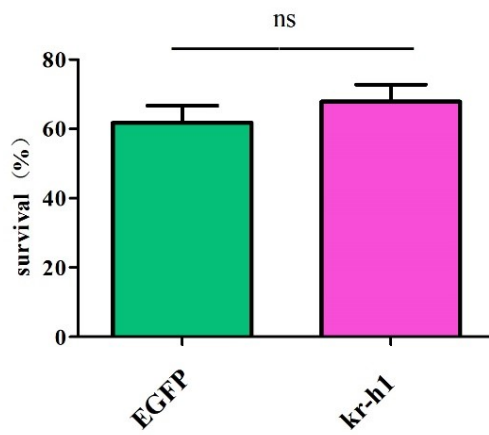


Fig. 3. Effects of foliar spraying *dsTakr-h1* on the survival rate of *N. tenuis*