

Table S1: Oligonucleotide primers used in this study.

Gene target	Primer name and sequence (5' – 3')	Expected amplicon (bp) (cDNA/gDNA)
Green fluorescent protein	T7-GFP F: <u>TAATACGACTCACTATAGGG</u> CAAGGAGGACGGCAACATC	365/365
	T7-GFP R: <u>TAATACGACTCACTATAGGG</u> CTTGATACAGCTCGTCCATGC	
	RT GFP F: TCAAGATCCGCCACAACATC	115/115
	RT GFP R: GTGCTCAGGTAGTGGTTGTC	
<i>C. zeina</i> Chitin synthase D	CSD F: CATGACCGACTACCCAAATAG	798/798
	CSD R: <u>TACAAGTCAGCACCACCAAC</u> CGACGACGTTCTCCGAATAAT	
	RT CSD F: CTGCCATCAGTTTCACCATTTA	93/146*
	RT CSD R: CGAGCAGGATAAGAGGAATGAC	
<i>C. zeina</i> ECP2 effector	ECP2 F: <u>ATTATTTCGGAGAACGTCGTCGG</u> <u>TTGGTGGTGCTGACTTGTA</u>	201/201
	ECP2 R: <u>GATAGGAATGCCTGGTATACGC</u> <u>CTAGTTCGATGGGTTGTAGCTC</u>	
	RT ECP F: GTCCACAGAGGAAGAATG	137/137
	RT ECP R: TTGTCGAGGCTCTGAATG	
<i>C. zeina</i> Phosphatidyl serine decarboxylase	PSD F: <u>GAGCTACAACCCATCGAACTAG</u> <u>GCGTATACCAGGCATTCCCTATC</u>	404/404
	PSD R: GAAGCCCTCGACATTGACAT	
	RT PSD F: TCGTGAAGATGTTTGAGGAAGT	82/132*
	RT PSD R: GTGGTAGTCGCGGATTTGT	
Entire Cz3 gene construct (Cz3-dsRNA)	T7-CSD F: <u>TAATACGACTCACTATAGGG</u> CCATGACCGACTACCCAAATAG	1443/1443
	T7-PSD R: <u>TAATACGACTCACTATAGGG</u> GAAGCCCTCGACATTGACAT	
<i>C. zeina</i> Glyceraldehyde-3-phosphate dehydrogenase	GAPDH F: TTCATCGAGCCCACTAC	103/161*
	GAPDH R: TGACGATCAGGCCTTTG	
<i>C. zeina</i> 40S Ribosomal protein	40S F: GGTCTCAAGGTCATTCTC 40S R: TTGACACCCTTTCCAGTC	102/102

*Primer sets flank an intron in each gene so can be used to check cDNA for gDNA contamination

Yellow highlight: T7 promoter sequences

Grey highlight & underlined: Region of overlap PCR primer within *CHSD* gene

Blue highlight & underlined: Region of overlap PCR primer within *ECP2* gene

Pink highlight & underlined: Region of overlap PCR primer within *PSD3* gene