

**Appendix Primers used in this work.**

Gene name	Primers
Calmodulin-like gene	F: AGGGAAGGGAAAGGATAAAGTG
	R: CGACCTACAGACAGTACGC
Chitinase III	F: CGACAACCTGGACTGCTACA
	R: ATGGATCGCACCATTATTTCG
CYP450	F: TCATGGAGAAGAACAAGCAG
	R: GAGGCGGGTGTAGAAGAG
$\beta$ -1,3-glucanase	F: CTCTTCAACCCGGACAAATC
	R: TGAAGAATTTGGGCGTTTTTC
Glutathione S-transferase (GST)	F: CCTCAGGGACTGCTCTAACG
	R: GTCCAACGATCCGAAGTTGT
lipoxygenase 1 (LOX1)	F: GATCGAGAGCAAGGTGGTG
	R: TCAGATGGAGATGCTGTTGG
Mitochondrial ATP synthase	F: TCATGGAGAAGAACAAGCAG
	R: GAGGCGGGTGTAGAAGAG
NAC1 stress response protein	F: GGAGGTTACATTACATTTGGAGAG
	R: TGGAGTAGCATTGGACTATTGG
Phenylalanine ammonia lyase (PAL)	F: ACCAGGGTAAGCACATCGAC
	R: ATCTTTGGCAATGGCCTCTA
Peroxidase precursor	F: AACACTGTCCGGAAC TTTGC
	R: TGTCGTGCTGGCTAGTATGC
Shikimate kinase 2	F: ATCCATACACAGCGGCTTTC
	R: GTAGGGCCTCGACAGCAATA
Actin	F: TTCTCGACTCTGGTGATGGTGT
	R: CAAGCTTCTCCTTGATGTCCT