

Table 1 Suppl. Gene-specific primers used for PCR (TM - melting temperature).

Target gene	Primer sequences	TM [°C]
<i>PnDEFL1</i>	5' RACE: 5'-GCAATCAAAGTAACAGAAGCATCTCCGA-3'	68
(RACE)	3' RACE: 5'-GGCACTGTGAACAGCAATGCCAGAA-3'	69
<i>PnDEFL1</i>	forward: 5'-TTCTGTTACTTTGATTGCTGATGATCT-3'	61
(qPCR)	reverse: 5'-ATAGTGACCCATGAAATTGCTACTTAG-3'	60
<i>PnACT2</i>	forward: 5'-TCCAAGGGTGAATATGATGAATCG-3'	61
(qPCR)	reverse: 5'-AACCTCTCCAAAGAGAATTTCTGAGT-3'	62
<i>NtACT</i>	forward: 5'-GAAAGTGTTTTAGTTCAATTCAAGA-3'	63
(qPCR)	reverse: 5'-GTGACCCATGAAATTGCTACTTAG-3'	60
<i>PnDEFL1</i>	forward: 5'-TCCCATTGAGCATGGAATAGTAAGC-3'	57
(Transgenic tobacco screening)	reverse: 5'-TACATGGCAGGTACATTGAAAGTCT-3'	58