

Table 2 primer sequences

Primer name	Primer sequence(5'-3')	Purpose
<i>GzABI5-3A3-1</i>	F: <u>CGCGGATCC</u> ATGGTGTCGGACATGAGCAAG R: TCC <u>GGGCCCT</u> CACCAGATGCAGCTAGCGC	PCR amplification
35S	F: CCACGTCTTCAAAGCAAGTG	Positive plant validation
<i>GzABI5-3A3-2</i>	R: TCACCAGATGCAGCTAGCGC	
<i>NtActin</i>	F: AATGATCGGAATGGAAGCTG R: TGGTACCACCACTGAGGACA	Transgenic tobacco qRT-PCR
<i>NtPAL</i>	F: CAAGAACGGTGGTGCTCTTC R: CCAGAACCAACTGCAGTACC	
<i>NtCHS</i>	F: GTACAACCTAGTGGTGTAGACA R: CCAACTTCACGAAGGTGAC	
<i>NtDFR</i>	F: AACCAACAGTCAGGGGAATG R: TTGGGCATCGAGAGTTCCAG	
<i>NtANS</i>	F: TGGCGTTGAAGCTCATACTG R: GGAATTAGGCACACACTTTG	

Note: The restriction sites are underlined