

Table S1: Primers used for qRT-PCR analysis.

Primers	Sequences (5' to 3')
<i>ZmLC</i> -RT F	ATAGCCTACCTCAAGGAGCTTCAGA
<i>ZmLC</i> -RT R	AGACCTCCTTCCTCACACTCTCATT
<i>ArActin</i> _RT F	ACCTCAAAATAGCATGGGGAAGT
<i>ArActin</i> _RT R	GGCCGTTCTCTCACTTTATGCTA
<i>ArPAL</i> _RT F	ACGGCTCCAACGGTCATAATAAT
<i>ArPAL</i> _RT R	ATCCGCTTTACCTCCTCAAGGT
<i>ArC4H</i> _RT F	GTTTCGAGAGTGAGAATGATCCGT
<i>ArC4H</i> _RT R	ATAATCCTTGAACAATTGCAGCC
<i>Ar4CL</i> _RT F	ACATCTACTCGTTGAATTCGGTGC
<i>Ar4CL</i> _RT R	AGTCGAAATTATCCACCAATGGA
<i>ArCHS</i> _RT F	GACCAAAGCACCTATCCCGATTA
<i>ArCHS</i> _RT R	TTGGGTTCTCCTTCAGGTACTCC
<i>ArCHI</i> _RT F	GCCTTCTCCAAAGATGGTTCTGT
<i>ArCHI</i> _RT R	TCTTGATTCAAGTTTTGCCTCAGC
<i>ArRAS</i> _RT F	GGCGAACTATCATACCCTGAG
<i>ArRAS</i> _RT R	AATCAATTTCCAGGCGTTTGCCG
<i>ArTAT</i> _RT F	AGGCTGCAGTTCCTGAAATCATT
<i>ArTAT</i> _RT R	TTCACCATGAAAGCCATTGCTCC
<i>ArHPPR</i> _RT F	AAGGGGATTAGGGTTACCAACACA
<i>ArHPPR</i> _RT R	ATTCTACCCAATCCAATGATGCC

Table S2: HPLC conditions for phenylpropanoid compounds detected in this study.

Compounds	Extraction	Operating system and conditions	Program
Phenylpropanoid compounds	A 0.1 g freeze-dried sample was sonicated for 1 h in 2 mL of 80% methanol (v/v). After centrifugation at 3500 rpm for 5 min, the supernatant was filtered through a 0.45 $\mu$ m PTFE syringe filter (Toyo Roshi Kaisha, Ltd., Tokyo, Japan).	<p>The system comprised an OptimaPak C18 column (250 <math>\times</math> 4.6 mm, 5 <math>\mu</math>m; RStech Co., Daejeon, Republic of Korea), an NS-4000 HPLC system, an NS-6000 auto-sampler (Futechs Co., Daejeon, Republic of Korea), a degasser, and a UV-Vis detector.</p> <p>The HPLC operating conditions were set as follows: detection wavelength, 280 nm; oven temperature, 30 <math>^{\circ}</math>C; flow rate, 1 mL/min; running time; 98 min; and injection volume, 100 <math>\mu</math>L.</p>	<p>The gradient program was set as follows: solvent A, ultrapure water containing 0.2% acetic acid; solvent B, methanol; 0 min, 95% A; 4 min, 95–85% A; 9 min, 85% A; 14 min, 85–80% A; 24 min, 80% A; 54 min, 80–70% A; 55 min, 70–55% A; 65 min, 55% A; 75 min, 55–44% A; 77.0 min, 44–40% A; 79 min, 40% A; 80 min, 40–20% A; 90 min, 20% A; 91.0 min, 20–95% A; and 98.0 min, 95% A (Total 98 min).</p>