

Allelopathic Effect of *Artemisia argyi* on the Germination and Growth of Various Weeds

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Table 1 The sequence of gene-specific primers for PCR used for detecting gene expression in the leaves of *O.sativa*.

Gene name	F (5'-3')	R (5'-3')
HEMA	GATGCAATCACTGCTGGAAAGCGT	CCATCTTGCCAGCACCAATCAACA
HEML	AGAACAAAGGGCAGATTGCTGCTG	TGTTTCGTCAAGTCACGGAGAGCA
CHLD	TAGCACAGCTGTCAGAGTGGGTTT	TTGCCAGCCACCTCAAGTATCTCA
CHLH	GCACGGGAACTTGCGTTTCATTA	ACATGTCCTGGAGCTGCTTCTCAT
CRD	TGGATCTAACATGACACGCACCCA	ACTGTAACGGCATTCTTCTCCGGT
CHLG	CCAGCCACTGATGAAAAGCAGCAAT	AGAGCGCTAATACTACTCGCGAACA
CAO	ACACCTTCATCTGGGCTTCAAGGA	AGATGCGTCGAACATTGCTTGGTG
PsbY	CGCAGCGACATTGCACTCACC	TGACGCCTTCTTCTCCTCCTCTT
PetC	GCACCACTTCGTCCTCAACCA	TGTCAGGCAGCAAGTTCTTCACC
Os04g38410	GTCTACATCCCGGACACCGACAA	GCTACTGCTCCTCCGACCTCCAAT

Table 2 The abbreviations and units for individual parameters of manuscript

Full name	abbreviations	individual parameters	units
<i>Artemisia argyi</i>	<i>A. argyi</i>	root length	cm
<i>Brassica pekinensis</i>	<i>B. pekinensis</i>	stem length	cm
<i>Lactuca sativa</i>	<i>L. sativa</i>	biomass	g/dish
<i>Oryza sativa</i>	<i>O. sativa</i>	germination rate	%
<i>Portulaca oleracea</i>	<i>P. oleracea</i>	plant's height	cm
<i>Oxalis corniculata</i>	<i>O. corniculata</i>		
<i>Setaria viridis</i>	<i>S. viridis</i>		
<i>Chrysanthemum morifolium</i>	<i>C. morifolium</i>		
RealTime QuantitativePCR	RT-qPCR		
Ultra-performance liquid chromatography coupled to quadrupole time-of-flight mass spectrometry	UPLC-Q-TOF-MS		
differentially expressed genes	DEGs		
Kyoto Encyclopedia of Genes and Genomes	KEGG		
germination rate	GR		
germination speed index	GSI		
germination index	GI		
response index	RI		
synthetic allelopathy	SE		

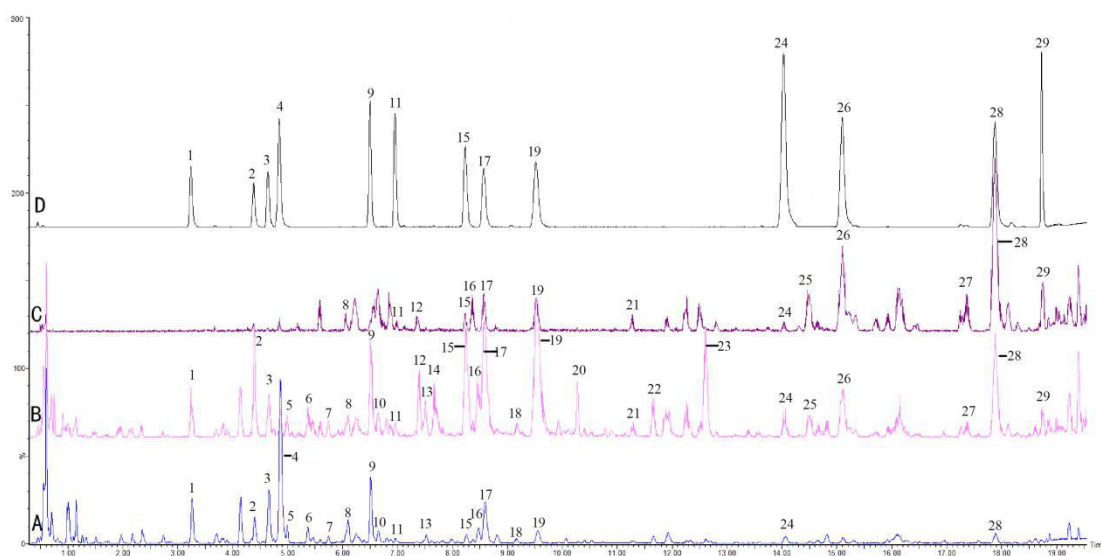


Figure 1 The fingerprint of different solvent extracts of *A. argyi* in UPLC-Q-TOF-MS. (A) the water-soluble extract, (B) the 50% ethanol extract, (C) the pure ethanol extract, (D) the standard substance. The mass spectrometry data such as total ion chromatograms, molecular ion peaks and secondary fragment ions were collected by Masslynx 4.1 software and processed with ProGenesis QI V2.0 (Waters Corp., Milford, USA).