

Supplementary Table S1 Differentially regulated unigenes associated with alpha-Linolenic acid metabolism - plant hormone signal transduction and phenylalanine of endophyte-infected (EI) and endophyte-free (EF) *A. inebrians* under different moisture content identified in the RNA-seq analysis.

Pathway	Name	Gene ID		Primers (5'-3')
alpha-Linolenic acid metabolism	<i>LOX2S</i>	c52310.graph_c1	Forward	CACGCCCAGCGTGTATTATGC
			Reverse	GGAGATGCTTGCAGGGCTCA
	<i>LOX2S</i>	c45642.graph_c0	Forward	AAGCAGCGAATGGAAAGCG
			Reverse	CGGAGACCGACCCAAGTAA
	<i>LOX2S</i>	c49382.graph_c0	Forward	GTCTTCGCTACCGTGCAAGC
			Reverse	AAGGGCCGAATCGCCATTGA
	<i>AOS</i>	c20317.graph_c0	Forward	GCGTCTGCTCCTACCTCGAC
			Reverse	AGTAGGCGTCGCCGATGAAC
	<i>AOS</i>	c57984.graph_c0	Forward	GGTGGTGGCTGACGAGTAGATT
			Reverse	GGCAGACACGGTTAAGGAGGA
	<i>OPR</i>	c43265.graph_c0	Forward	GTTCTGGCGGCTTTCCTGA
			Reverse	CAAGGGCGCCGTCATCTTCT
	<i>OPR</i>	c43265.graph_c1	Forward	CCCTTGAACGCCTCCCTGTA
			Reverse	AACGACCACGGCATCCTCTA
	<i>ACX</i>	c59834.graph_c1	Forward	GCCAAGGACACGGAGTAGGC
			Reverse	CGTCGTCTCTGCGACCACAA
Plant hormone signal transduction	<i>JAZ</i>	c41910.graph_c0	Forward	CCACATCGCCATTCCCTCG
			Reverse	TGCTCAGCCGCTTCGTCA
	<i>JAZ</i>	c48335.graph_c0	Forward	CCCGTCCACCAAGGTCAAGG
			Reverse	GACGCCGTAACGGAGGTGTT
	<i>JAZ</i>	c42148.graph_c0	Forward	TTCTGCTCCGCCTTCACG
			Reverse	CCACCGCACCACAAACATC
	<i>JMT</i>	c44403.graph_c0	Forward	CTTCTCGCTGTTCTTGC

			Reverse	GTCCCACATGCTGCTCAC
Phenylalanine	<i>PAL</i>	c46915.graph_c1	Forward	GCGCGAGATCAACTCCGTCA
			Reverse	GCGATCTCGGTGCCCTTGAA
	<i>NPR1</i>	c57587.graph_c0	Forward	ACGCTTCTTCCCACGCTGTT
			Reverse	CCGGATGGCTCCGATTGAGG
Plant hormone signal transduction	<i>TGA</i>	c48977.graph_c0	Forward	ATGGAGGGCATCGTCAGG
			Reverse	ACGGAGGCGGTGGAAGTAG
	<i>PR-1</i>	c40880.graph_c0	Forward	CATGCCGCCGGAGGGAATAA
			Reverse	TGGATGAACGTGGTGGCTTCT