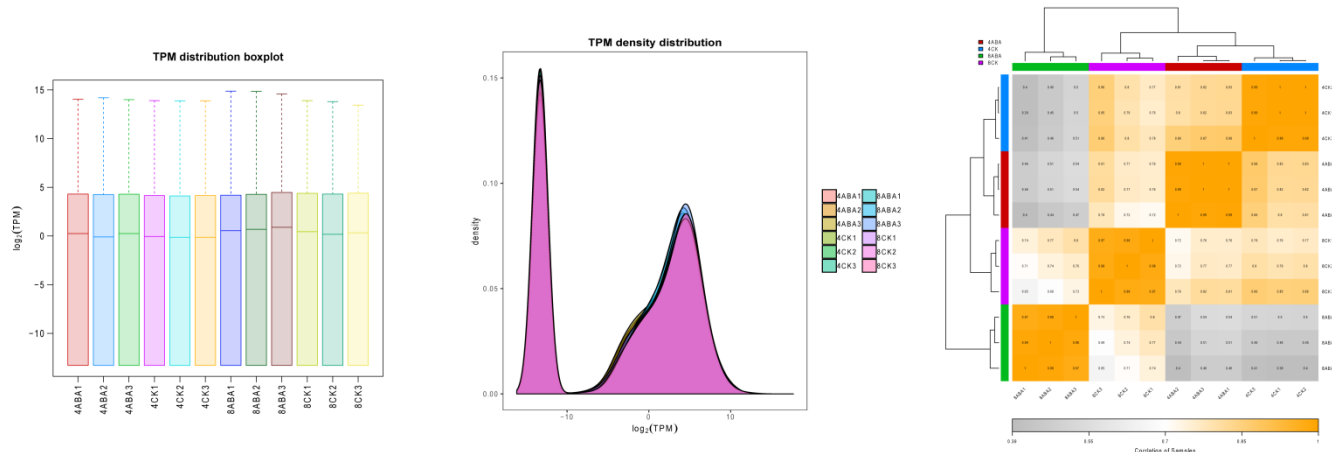


附录



附图 1 基因表达量箱型图、基因表达量密度曲线图、样本间相关性分析热图

Attached Fig. 1 Box graph of gene expression, curve graph of gene expression density, and heat map of correlation analysis between samples

附表 1 实时荧光定量引物检索表

Attached table 1 1 Real-time fluorescence quantitative primer search table

基因 Gene	上游引物 (5'-3') Forward primer (5'-3')	下游引物 (5'-3') Reverse primer (5'-3')
<i>CmNCED1</i>	ACATGGTCAGTGGGTCTGTT	GCTATCCAGCGTAGTCCCAT
<i>CmNCED4</i>	CGAAATCCGGAGTTGACGAG	ATTTCGGTCAGTTCGATCCT
<i>CmNCED6</i>	AGTCTGGCTTTCTTCGGTGA	GCAAAGGACCGTATCGGAAC
<i>CmACS1</i>	CCATAGCTTCGTCGGAAAG	GAACATTGCCCTCCTCATATC
<i>CmACS6</i>	TTGCTGTGCGTCATCGTAACTCA	AACCCTAAACCATCCTGGCTCTGA
<i>CmACO3</i>	GAGTGATAGCACAGGAGGATGG	CCTTGCTCTTTTGCTTGAA
<i>CmASR3</i>	AGCACCACAAGCACCTCGA	CCGCTCCAACCTCCTCCTT
<i>CmEIN2</i>	ACTGTTGAAGGAGGTGCTCG	CTCCTCGTGCATATCTGGG
<i>Cm18srRNA</i>	AAACGGCTACCACATCCA	CACCAGACTTGCCCTCCA
<i>CmEIN3</i>	ACTCTGCCTGTTGGTGATT	TAACTTCACTTTGCAACCACT
<i>CmEIL2</i>	TATGAACACCATGGGCATCTTTGAG	TTCAAAGGTACCACAAGGGTGTATC
<i>CmASR1</i>	GAGAAACACCATAAACACCTTGAG	CCTGTGTCATGCTTTGAATC
<i>CmERF1</i>	CTCCATTCTTCTCCACTCTC	CGAACCCCTCTGTAACGCCTA
<i>CmASR2</i>	TACAAGCACCTCGAACACCTTG	CTTCCTCTTATCTTATGCCCAC
<i>CmEIN3-like1</i>	TTGGACTTCCCGAAGATGGC	CGAACGCTGCCTTGATTTCG
<i>CmCYP707A2</i>	GGCGATTCGAAACATCGTCC	CGAAACCTCGAATGCGAACATC

附表 2 4ABAvs4CK 中相关差异表达基因

Attached table 2 Related differentially expressed genes in 4ABAvs4CK

基因 Gene	缩写 Abbreviation	基因 ID Gene ID	log2FoldChange
脱落应激成熟蛋白 Abscisic stress-ripening protein	ASR	LOC103501319	2.834777151
脱落酸受体 Abscisic acid receptor	PYL	LOC103493649	6.30382205861
		LOC103485588	2.05235085622
乙烯不敏感蛋白 Ethylene insensitive protein	EIN	LOC103492044	-3.75151390273999
乙烯反应转录因子 Ethylene responsive transcription factor	ERF	LOC103482579	6.351240667869999

			LOC103495234	-4.45799038768
			LOC103487575	-4.27038324769
			LOC103484503	-2.5007870959
			LOC103482818	-6.18415772087
			LOC103497485	12.8395902661998
			LOC103490618	3.15813504464
			LOC103484042	-4.89112321862
			LOC103490987	-7.31364757957
			LOC103484773	-5.33660455162
1-氨基丙烷-1-羧酸氧化酶 1-Aminocyclopropane-1-carboxylate oxidase	ACO		LOC103483612	15.8316820721
1-氨基环丙烷-1-羧酸合酶 1-Aminocyclopropane-1-carboxylate synthase	ACS		LOC103488536	2.55249276873
9-顺式-环氧类胡萝卜素双加氧酶 9-Cis-epoxycarotenoid dioxygenase	NCED		LOC103484361	2.69803225663
β -半乳糖苷酶 Beta-galactosidase	β -Gal		LOC103499709	2.3439332891299
			LOC103504084	-2.38128790735999
			LOC103492322	-2.25672372846
多聚半乳糖醛酸酶 Polygalacturonase	PG		LOC103487092	13.1253575009
			LOC103490378	2.1494113823700

附表 3 8ABAvs8CK 中相关差异表达基因

Attached Table 3 Related differentially expressed genes in 8ABAvs8CK

基因 Gene	缩写 Abbreviation	基因 ID Gene ID	log2FoldChange
脱落酸受体 Abscisic acid receptor	PYL	LOC103495152	2.3084712820599997
脱落应激成熟蛋白 Abscisic stress-ripening protein	ASR	LOC103501319	-1.77536275747
乙烯不敏感蛋白 Ethylene insensitive protein	EIN	LOC103492044	-5
乙烯反应转录因子 Ethylene responsive transcription factor	ERF	LOC103486573	2.45750991917
		LOC103482579	3.6913778009800007
		LOC103492603	-4.27038324769
		LOC103484503	2.22729091335
		LOC103490618	10.5665519802
		LOC103500874	-4.14428480034
		LOC103503222	3.5657852775300003
		LOC103484042	-4.89112321862
		LOC103499858	5.01049078166
		LOC103484163	3.23381630571
1-氨基丙烷-1-羧酸氧化酶 1-Aminocyclopropane-1-carboxylate oxidase	ACO	LOC103483612	2.10478772915
		LOC103499407	-2.02931854221
1-氨基环丙烷-1-羧酸合酶 1-Aminocyclopropane-1-carboxylate synthase	ACS	LOC103493143	3.4724942721599996
		LOC103497687	2.1196585905200003
β -半乳糖苷酶 Beta-galactosidase	β -Gal	LOC103493221	3.6982317109099996
多聚半乳糖醛酸酶 Polygalacturonase	PG	LOC103491984	-2.91633753609
		LOC103493193	-2.40471066547
		LOC103490378	-5.8094542582

LOC103483253 2.8908235237
 LOC103497761 -2.08676191417

附表 4 8ABAVs4ABA 中相关差异表达基因

Attached table 4 8ABAVs4ABA related differentially expressed genes

基因 Gene	缩写 Abbreviation	基因 ID Gene ID	log2FoldChange
脱落酸 8'-羟化酶 Abscisic acid 8'-hydroxylase	CYP	LOC103487988	-2.56970598815
脱落应激成熟蛋白 Abscisic stress-ripening protein	ASR	LOC103501319	-4.29758781563
		LOC103501320	-1.73459378052
乙烯不敏感蛋白 Ethylene insensitive protein	EIN	LOC103496545	-2.36410323047999
脱落酸受体 Abscisic acid receptor	PYL	LOC103495152	4.2235333506
乙烯反应转录因子 Ethylene-responsive transcription factor	ERF	LOC103488339	11.076766615799999
		LOC103484773	5.45020162788
		LOC103503222	7.3205170958300005
		LOC103500874	-6.85830914673
		LOC103496639	-11.2265888056999
		LOC103482818	4.65525992248
		LOC103490987	4.04636381012
		LOC103502272	5.02203817698
		LOC103482544	-2.18170174716
		LOC103485382	3.9846190810800004
1-氨基丙烷-1-羧酸氧化酶 1-Aminocyclopropane-1-carboxylate oxidase	ACO	LOC103483612	2.75559432375
		LOC103483614	3.58405450326
		LOC103489965	9.91418578228
		LOC103499407	-2.93977009505999
		LOC103498449	3.67327277995
		LOC103502535	-3.00104879915
1-氨基环丙烷-1-羧酸合酶 1-Aminocyclopropane-1-carboxylate synthase	ACS	LOC103484881	4.99436003643
		LOC103488536	-17.6620601017
		LOC103493143	4.31219634299
		LOC103497687	3.32942845375
9-顺式-环氧类胡萝卜素双加氧酶 9-Cis-epoxycarotenoid dioxygenase	NCED	LOC103484361	-4.64807023803
β-半乳糖苷酶 Beta-galactosidase	β-Gal	LOC103493221	5.26924073163
		LOC103499709	-3.19936206453
		LOC103490020	2.09610303367
多聚半乳糖醛酸酶 Polygalacturonase	PG	LOC103491984	-4.36918280719
		LOC103487092	5.04786997545
		LOC103487686	-3.35144788055
		LOC103484202	-11.7511939427
		LOC103490378	-3.38448247889
		LOC103483253	2.74522609796