

**Supplementary table 2.** List of marker genes for stresses/treatments used in this study.

Stresses/treatments	Gene name	Function	Gene ID
Salt	ABA2	ABA biosynthesis-related protein 2	XM_004237780.2
Drought	NCED	9-cis-epoxycarotenoid dioxygenase	NM_001247526.2
Cold	CBF1	The C-repeat-binding factor	NM_001247194.2
Heat	HsfA	Heat shock factor A	NM_001247925.2
Alternaria infection	PR1a	Pathogenesis-related protein 1a	NM_001247594.2
Auxin	IAA1	Auxin transduction	NM_001279108.1
Absciscic acid	ABA2	ABA biosynthesis-related protein 2	XM_004237780.2
Salicylic acid	PR1a	Pathogenesis-related protein 1a	NM_001247594.2
Jasmonic acid	PIN2	Proteinase inhibitor II	JN091682.1
Ethylene	DREB2A	ERF/AP2 transcription factor	HQ698902.1