

Appendix E Differentially expressed genes (DEGs) specifically responsive to 24 h of SA treatment with the annotated function in plant hormone metabolism and response, cell wall metabolism and modification, antioxidant systems, and senescence-associated transcription factors

Functional Annotation	Unigene Name	log2 (SA_24h/CK_24h)
Plant hormone metabolism and responses		
1-aminocyclopropane-1-carboxylate oxidase homolog 9	T4_Unigene_BMK.22399	-2.7500
1-aminocyclopropane-1-carboxylate oxidase AOC1	T4_Unigene_BMK.24299	-3.8826
Auxin-induced protein 22D AUX22D	T3_Unigene_BMK.20056	1.5556
Ethylene-responsive transcription factor RAP2-4	T1_Unigene_BMK.27989	1.4088
linoleate 9S-lipoxygenase 5 LOX1.5	T4_Unigene_BMK.24995	-14.4893
linoleate 9S-lipoxygenase 5 LOX1.5	T4_Unigene_BMK.29818	-1.6135
S-adenosylmethionine synthase 1 SAMS1	T4_Unigene_BMK.25024	-2.1043
Cell wall metabolism and modification		
Expansin-like B1 (EXLB1)	T4_Unigene_BMK.13766	-13.7731
Vegetative cell wall protein (GP1)	T2_Unigene_BMK.21192	1.5489
Wall-associated receptor kinase-like 14 (WAKL14)	T3_Unigene_BMK.7677	3.1699
Antioxidant systems		
Glutamate synthase	T1_Unigene_BMK.16116	1.3959
glutathione S-transferase	T2_Unigene_BMK.17630	2.7843
Peroxidase 52 PER52	T4_Unigene_BMK.10792	-5.5850
Peroxidase 73 PER73	T4_Unigene_BMK.19021	-2.5146
Peroxidase 12 PER12	T4_Unigene_BMK.21033	-13.8727

Senescence-associated transcription factors		
NAC transcription factor 29 (NAP)	T4_Unigene_BMK.28762	-1.9696