

Table A1. The list of DEG belongs to biotic stress represented in MapMan illustration.

<i>Functional categories</i>	<i>sub-category</i>	<i>Gene ID</i>	<i>OE2-KAN2</i>	<i>Annotation</i>		
Precursor synthesis		solyc06g069550.1.1	-2.11955	UDP-D-glucose dehydrogenase		
		solyc05g054590.2.1	-2.05549	Bifunctional polymyxin resistance protein ArnA		
		solyc08g069110.2.1	-7.29577	Dtdp-glucose 4 6-dehydratase		
		solyc05g046340.1.1	-835.908	Phosphomannomutase 3		
Cellulose synthesis		solyc09g009010.2.1	-2.07662	Cellulose synthase-like C1-2 glycosyltransferase family 2 protein		
		solyc02g072240.2.1	-2.18779	Cellulose synthase		
		solyc07g005840.2.1	-2.10016	Cellulose synthase 3		
		solyc09g072820.2.1	-2.43029	Cellulose synthase		
		solyc03g070440.2.1	-2.22474	COBRA-like protein		
		solyc03g114900.2.1	-2.2787	COBRA-like protein		
		solyc09g075540.1.1	-2.37443	COBRA-like protein		
	Cell wall proteins		solyc09g007650.1.1	-3.93894	Fasciclin-like arabinogalactan protein 7	
		solyc06g075220.1.1	-2.26688	Fasciclin-like arabinogalactan protein 5		
		solyc09g007660.1.1	-2.98588	Fasciclin-like arabinogalactan protein 7		
		solyc11g069250.1.1	-2.01137	Fasciclin-like arabinogalactan protein		
		solyc07g053840.1.1	-4.58789	LRR receptor-like serine/threonine-protein kinase, RLP		
Cell wall	Degradation	solyc03g083820.1.1	-2.02833	Endoglucanase 1		
		solyc08g081620.2.1	-589.422	Endoglucanase 1		
		solyc01g111340.2.1	-2.26191	Endo-1 4-beta-xylanase		
		solyc01g079570.2.1	-2.25082	Beta xylosidase		
		solyc11g040330.1.1	-2.16596	Endo-1 4-beta-xylanase		
		solyc05g005040.2.1	-3.80312	Polygalacturonase		
		solyc12g019120.1.1	-5.15505	Polygalacturonase		
		solyc12g096750.1.1	-10.3227	Polygalacturonase 4		
		solyc04g025440.2.1	-2.42823	Polygalacturonase		
		solyc05g014000.2.1	-2.36055	Pectate lyase		
		solyc03g114240.2.1	-2.02939	BURP domain-containing protein (Fragment)		
		solyc12g019130.1.1	-3.95129	Polygalacturonase		
		solyc06g068040.2.1	-15.2125	Polygalacturonase		
		solyc12g019230.1.1	-4.34642	Polygalacturonase 1		
		solyc08g060970.2.1	-2.3641	Polygalacturonase		
		solyc08g068150.2.1	-2.26084	BURP domain-containing protein		
		solyc12g019140.1.1	-3.53724	Polygalacturonase		
		solyc02g062300.2.1	-858.592	BURP domain-containing protein		
		Modification		solyc01g090810.2.1	-2.09576	Expansin protein
				solyc08g077900.2.1	-2.97689	Expansin-like protein
				solyc12g011030.1.1	-2.54949	Xyloglucan endotransglucosylase/hydrolase 7
				solyc10g005350.2.1	-2.78442	Xyloglucan endotransglucosylase/hydrolase 1
				solyc07g009380.2.1	-2.24973	Xyloglucan endotransglucosylase/hydrolase 2
				solyc10g086520.1.1	-2.8156	Expansin-1
				solyc03g093390.2.1	-2.35591	Expansin protein
				solyc10g084780.1.1	-3.97387	Expansin
	solyc07g006860.2.1		3.374426	Xyloglucan endotransglucosylase/hydrolase 3		
	solyc03g098430.2.1		-2.55672	Xyloglucan endotransglucosylase/hydrolase 5		
	solyc07g006870.2.1		-2.41173	Xyloglucan endotransglucosylase/hydrolase 8		
	solyc04g081870.2.1		-2.07729	Expansin		
	solyc12g007260.1.1		-2.45414	Xyloglucan endotransglucosylase/hydrolase 2		
	solyc12g089380.1.1		-2.01632	Expansin		
	solyc09g010860.2.1		-2.04627	Expansin		
Pectin*esterases			solyc12g008530.1.1	-2.23358	Pectinesterase	

		solyc04g080530.2.1	-9.59834	Pectinesterase family protein	
		solyc03g083870.2.1	-2.32474	Pectinesterase	
		solyc05g052540.1.1	-2.06455	Os03g0291800 protein (Fragment)	
		solyc01g079180.2.1	-3.86348	Pectinesterase	
Hormone metabolism	Auxins	solyc06g059730.1.1	-2.83725	Auxin efflux carrier	
		solyc10g009480.2.1	-3.46104	Dopamine beta-monoxygenase	
		solyc12g005310.1.1	-2.26529	Auxin-responsive GH3-like	
		solyc05g056430.1.1	-3.48857	Auxin responsive SAUR protein	
		solyc12g017880.1.1	-5.26585	Dopamine beta-monoxygenase	
		solyc03g082520.1.1	2.059969	Auxin responsive SAUR protein	
		solyc02g078500.2.1	2.251941	Aluminum-induced protein-like (AHRD V1 ***- Q9FG81_ARATH)"	
		solyc09g097890.2.1	-2.42675	Membrane protein	
		solyc07g008290.2.1	-2.56128	Growth regulator like protein	
		solyc07g048050.1.1	-2.16153	Dopamine beta-monoxygenase	
			solyc02g092820.2.1	-3.48534	Indole-3-acetic acid-amido synthetase GH3.8
		Brassinosteroid	solyc11g006300.1.1	-3.05859	3-oxo-5-alpha-steroid 4-dehydrogenase family protein
		Abscisic acid	solyc08g066650.2.1	-2.58612	Carotenoid cleavage dioxygenase 8
			solyc11g071580.1.1	-2.38489	Aldehyde oxidase
			solyc07g056570.1.1	-2.31292	9-cis-epoxycarotenoid dioxygenase
			solyc05g007300.2.1	-2.83089	Receptor expression-enhancing protein 5
			solyc11g072120.1.1	-2.74013	2-oxoglutarate-dependent dioxygenase
			solyc11g010400.1.1	-2.58598	1-aminocyclopropane-1-carboxylate oxidase
			solyc09g089710.2.1	-1072.17	1-aminocyclopropane-1-carboxylate oxidase-like protein
			solyc02g070080.2.1	-2.66867	1-aminocyclopropane-1-carboxylate oxidase 1
			solyc06g073580.2.1	-2.83815	1-aminocyclopropane-1-carboxylate oxidase 1
			solyc07g061720.2.1	2.248512	Gibberellin 2-oxidase
			solyc11g010410.1.1	-2.01935	1-aminocyclopropane-1-carboxylate oxidase
			solyc03g116290.1.1	-2.2299	Gibberellin 2-beta-dioxygenase 2
			solyc06g060070.2.1	-2.007	1-aminocyclopropane-1-carboxylate oxidase
			solyc11g072310.1.1	2.739978	Gibberellin 20-oxidase-3
			solyc03g116280.2.1	-2.55878	1-aminocyclopropane-1-carboxylate oxidase
		Ethylene	solyc06g073080.2.1	5.337729	Flavonol synthase/flavanone 3-hydroxylase
			solyc11g072200.1.1	-2.28355	1-aminocyclopropane-1-carboxylate oxidase 3
			solyc02g080120.1.1	-13.0393	Gibberellin 2-beta-dioxygenase 7
			solyc09g010000.2.1	3.472034	1-aminocyclopropane-1-carboxylate oxidase-like protein
			solyc02g036350.2.1	-2.03712	1-aminocyclopropane-1-carboxylate oxidase
			solyc01g093980.2.1	-693.752	Gibberellin 20-oxidase 4
			solyc07g026900.1.1	-2.71651	1-aminocyclopropane-1-carboxylate synthase
			solyc12g008740.1.1	-2.22579	1-aminocyclopropane-1-carboxylate synthase
			solyc02g082060.1.1	2.450561	PPPDE peptidase domain-containing protein 1
		solyc03g093610.1.1	2.07657	Ethylene responsive transcription factor 1b	
		solyc10g079230.1.1	-13.5826	CM0545.450.nc protein	
		solyc01g107490.1.1	-16.2991	BHLH transcription factor	
		solyc04g080710.2.1	-2.17321	BHLH transcription factor-like protein	
	Salicylic acid	solyc09g091550.2.1	6.344305	Salicylic acid carboxyl methyltransferase	
		solyc03g007390.2.1	-2.40197	Pentatricopeptide repeat-containing protein	
		solyc02g086230.1.1	-3.86348	Pentatricopeptide repeat-containing protein	
	Jasmonate	solyc01g099180.2.1	-360.055	Lipoxygenase	
		solyc04g079730.1.1	-4.43697	cytochrome P450	