

Appendix D. Up regulated genes in transgenic Arabidopsis plants overexpressing *ABP2* after high salinity stress treatment identified by microarray analysis

AGI code	Description	Gene name	Experiment 1		Experiment 2	
			(Transgenic line 24-2 vs Col-0) ^a		(Transgenic line 229-5 vs Col-0) ^a	
			Fold change (%)	q-value	Fold change (%)	q-value
At1g61566	expressed peptide protein, putative	RALFL9	9.7	0.0	7.0	0.0
At3g01240	unknown protein		8.0	0.0	7.1	0.0
At1g02790	polygalacturonase, putative	PGA4	6.8	0.0	4.7	0.0
At3g01270	pectate lyase family protein, putative		5.6	0.0	4.6	0.0
At3g28750	unknown protein		5.4	0.0	4.2	0.0
At3g13400	SKU5 Similar 13	SKS13	5.3	0.0	4.3	0.0
At5g52300	Hydrophilic protein	RD29B	5.1	0.0	2.6	1.3
At3g57690	arabinogalactan-protein	AGP23	5.0	0.0	3.2	0.0
At5g14380	arabinogalactan-protein 6	AGP6	4.6	0.0	3.3	0.0
At2g47050	pectinesterase, putative		4.6	0.0	4.0	0.0
At3g07820	polygalacturonase	PGA3	4.5	0.0	3.4	0.0
At5g45880	Ole e I -like protein (pollen allergen)		4.5	0.0	4.0	0.0
At1g10770	putative pectin methylesterase/invertase inhibitor		4.3	0.0	3.8	1.3
At5g50030	invertase/pectin methylesterase inhibitor family protein		4.1	0.0	3.9	0.0
At1g52690	late embryogenesis-abundant protein	LEA7	3.8	1.6	2.7	1.3
At5g19580	glyoxal oxidase precursor protein, putative		3.7	0.0	3.2	0.0
At5g50360	unknown protein		3.1	3.1	1.9	4.8
At2g47040	pectinesterase, putative	VGD1	2.1	0.0	2.1	1.3
At5g04180	Alpha carbonic anhydrase 3	ACA3	2.1	0.0	2.1	1.3
At5g16980	Zinc-binding dehydrogenase family protein		2.1	1.6	1.6	1.3

a: The data is from three biological experiments.

References

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