

## Arabidopsis genes regulated by Drought

Genes listed in Figs 1, 2 & 3 at <http://potatometabolicpathways.webs.com/drought.htm>

AGI	Function	ABA		cold		drought		salt	
		up	down	up	down	up	down	up	down
<b>Fig 1</b>									
At1g09340	CRB, chloroplast RNA binding		√		√		√		√
At1g16850	unknown	√		√		√		√	
At1g43160	RAP2.6, transcription factor	√		√		√		√	
At1g49450	Transducin family, WD-40 repeat	√		√		√		√	
At1g78070	unknown	√		√		√		√	
At2g15970	COR413-PM1	√		√		√		√	
At2g23120	unknown	√		√		√		√	
At2g26980	CIPK3, CBL-interacting protein kinase 3	√		√		√		√	
At2g30360	SIP4, SOS3-interacting protein 4	√		√		√		√	
At2g33380	RD20, calcium ion binding	√		√		√		√	
At2g46270	GBF3, transcription factor	√		√		√		√	
At3g61890	ATHB-12, transcription factor	√		√		√		√	
At4g26080	ABI1, calcium ion binding / threonine phosphatase	√		√		√		√	
At4g27410	RD26, transcription factor	√		√		√		√	
At4g34000	unknown	√		√		√		√	
At5g15960	KIN1	√		√		√		√	
At5g15970	KIN2	√		√		√		√	
At5g17300	Myb family, transcription factor	√		√		√		√	
At5g17460	unknown	√		√		√		√	
At5g17465	unknown	√		√		√		√	
At5g52310	LTI78, low temperature induced 28	√		√		√		√	
At5g53140	Protein phosphatase 2C putative		√		√		√		√
<b>Fig 2</b>									
At1g69490	NAP, transcription factor	√			√	√		√	
At2g01010	unknown	√			√	√		√	
At2g01030	unknown				√	√		√	
<b>Fig 3</b>									
At1g01140	CBL-interacting protein kinase 9 (CIPK9)	√				√		√	
At1g01720	ATAF1 transcription factor	√				√		√	
At1g07040	unknown	√				√		√	
At1g13990	unknown	√				√		√	
At1g32640	MYC2, DNA binding / transcription factor	√				√		√	
At1g45249	ABF2, DNA binding / transcription	√				√		√	

	factor								
At1g52980	GTP-binding family		√				√		√
At1g61890	MATE efflux family	√				√		√	
At1g66760	MATE efflux family	√				√		√	
At1g68440	unknown	√				√		√	
At1g72800	NuM1-related	√				√		√	
At1g75500	Nodulin MtN21 family		√				√		√
At2g02710	PLPB, signal transducer / two-component sensor	√				√		√	
At2g05540	Glycine rich protein	√				√		√	
At2g06050	OPR3, 12-oxophytodienoate reductase	√				√		√	
At2g30550	Lipase class 3	√				√		√	
At2g42890	AML2, Arabidopsis Mei2 like, nucleotide binding	√				√		√	
At2g46680	ATHB-7, transcription factor	√				√		√	
At2g47190	MYB2, DNA binding / calmodulin binding	√				√		√	
At3g02480	ABA responsive, unknown	√				√		√	
At3g17000	UBC32, ubiquitin-protein ligase	√				√		√	
At3g19290	ABF4, transcription factor	√				√		√	
At3g20300	unknown	√				√		√	
At3g22830	AT-HSFA6B, heat shock transcription factor	√				√		√	
At3g29575	AFP3, ABI five binding protein 3	√				√		√	
At3g53710	AGD6, ARF GTPase activator / DNA binding / zinc ion binding		√				√		√
At3g55530	SDIR1 C3HC4-type RING finger	√				√		√	
At3g59930	unknown	√				√		√	
At3g62030	ROC4, peptidyl-prolyl cis-trans isomerase		√				√		√
At4g01020	Zinc finger protein related	√				√		√	
At4g20830	FAD binding domain protein	√				√		√	
At4g23050	Protein kinase putative	√				√		√	
At4g37510	Ribonuclease III family		√				√		√
At5g01520	C3HC4 type RING zinc finger	√				√		√	
At5g09440	EXL4, exordium like	√				√		√	
At5g11420	unknown		√				√		√
At5g23060	Calcium sensing receptor		√				√		√
At5g25460	unknown		√				√		√
At5g39610	ATNAC6, transcription factor	√				√		√	
At5g42010	RBCS1A, ribulose biphosphate carboxylase small chain 1A		√				√		√
At5g48180	NSP5, nitrile specifier protein5	√				√		√	
At5g52300	LTI65, low temperature induced	√				√		√	
At5g61820	unknown	√				√		√	

Gene function checked on 14 November 2010 using Unigene at

<http://www.ncbi.nlm.nih.gov/unigene/>