

**Supplementary Table V - Classification of calcium-responsive upregulated genes**

<b>Locus</b>	<b>Description</b>	<b>ABRE motif found within promoters - numbers indicate distance in nucleotide upstream of ATG</b>	<b>ABRE-CE motif found within promoters - numbers indicate distance in nucleotides upstream of ATG</b>
<i>Transcription factors and DNA/RNA related proteins</i>			
AT4G17500	AtERF-1 - ethylene responsive element binding factor 1	530	
AT3G15210	AtERF4 - ethylene responsive element binding factor 4	234	
AT1G42990	bZIP family transcription factor	317, 158	174
AT1G27730	ZAT10 - salt induced zinc finger protein		
AT1G08930	ERD6 - zinc finger protein ATZF1		
AT2G28840	putative RING zinc finger ankyrin protein		
AT2G40140	CCCH-type zinc finger protein containinig ankyrin-repeat		
AT3G55980	PEI1- CCCH zinc finger transcription factor		
AT4G17490	AtERF6 - ethylene-responsive element binding factor 6		186
AT1G18570	myb51 - R2R3 myb like transcription factor		
AT2G30470	transcriptional factor B3 family		
AT3G16720	ATL2 - RING zinc finger protein		
AT3G60220	ATL4 - RING-H2 zinc finger protein	114	
AT4G35480	RING-H2 finger protein RHA3b		
AT3G52800	zinc finger - like protein		
AT3G58510	DEAD BOX PROTEIN 3 (RNA HELICASE-LIKE PROTEIN)		
AT1G66260	export factor RNA binding protein, putative		710
AT3G54770	contains RNA recognition motif		
AT2G45820	remorin - a non-specific DNA binding protein	240	140, 742, 771
<i>Signaling related proteins</i>			
<i>calmodulin related</i>			
AT2G41110	ATCAL4		229
AT2G41100	ATCAL5 - TCH3 -CaM related protein	136	
AT5G37770	CALMODULIN-RELATED PROTEIN 2 (TCH2)		124, 143
AT5G42380	calmodulin-related protein	398	
AT3G56800	calmodulin like		335
<i>Kinases</i>			
AT3G45640	mitogen-activated protein kinase 3		
AT3G59350	protein kinase - Pto kinase interactor 1		933
AT2G01450	ATMPK17 - mitogen-activated protein kinase		
AT1G03740	cdc2-like protein kinase		
AT3G02880	leucine-rich repeat transmembrane protein kinase		
AT1G51805	Similar to light repressible LRR-receptor protein kinase		
AT3G51550	receptor-protein kinase		382, 625
AT2G30740	serine/threonine protein kinase		
AT2G05940	putative protein kinase		
AT3G57530	calcium dependent protein kinase - CDPK		164
<i>others</i>			
AT1G09070	Similar to Glycine SRC2		900
AT5G15970	cold-regulated protein COR6.6 (KIN2)	128, 146, 219, 440	
AT1G20440	COR47 - ERD10		168
AT2G41430	ERD15	602	611
AT1G55450	similar to embryo-abundant protein		
AT1G35140	phi1 - phophate induced protein		206
AT2G17840	putative senescence-associated protein 12		174

<b>AT1G76180</b>	<b>dehydrin, putative -ERD14</b>	<b>275, 845</b>	
AT1G47380	protein phosphatase 2C (PPTC)	919	720
AT1G23490	RAB-GTPase - putative ADP-ribosylation factor		
AT5G03530	RAB GTPase		
AT5G62570	calmodulin-binding protein		
AT3G23030	auxin-inducible gene (IAA2)		
AT5G14930	leaf senescence-associated gene SAG101		
AT2G01270	thioredoxin		
AT1G11530	thioredoxin h		
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<b><i>Transporters</i></b>			
AT1G59870	ABC transporter family protein	495	359, 375
AT1G59820	similar to Potential phospholipid-transporting ATPase		338, 374, 392, 406
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<b><i>Photosynthesis</i></b>			
AT1G55670	putative photosystem I subunit V precursor	493	
AT5G38410	RuBisCO small subunit 3b	218	
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<b><i>Cytoskeleton and cell structure</i></b>			
<b>AT2G32240</b>	<b>myosin heavy chain -related</b>		<b>147</b>
AT1G21730	kinesin-related protein		
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<b><i>Defense and PCD related genes</i></b>			
<b>AT2G40000</b>	<b>nematode-resistance protein -related</b>		<b>195</b>
<b>AT5G06320</b>	<b>NDR1/HIN1-like protein 3 (NHL3)</b>		
AT5G42500	similar to disease resistance response protein		
AT1G33600	LRR protein family		
AT1G72910	disease resistance protein (TIR-NBS class), putative		
AT1G72930	TIR - TOLL/INTERLEUKIN-1 RECEPTOR-LIKE		
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<b><i>Proteases</i></b>			
<b>AT4G02380</b>	<b>ERD1 - SAG21 -clp protease</b>		
AT5G53350	ATP-dependent Clp protease ATP-binding subunit ClpX1		
AT5G59550	COP1-interacting protein CIP8	107, 171, 251	
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<b><i>Cellular metabolism and others</i></b>			
<b>AT5G42650</b>	<b>AOS - Allene oxide synthase - JA biosynthesis</b>	<b>243</b>	
<b>AT1G65310</b>	<b>xyloglucan endotransglycosylase TCH4-like</b>		
<b>AT1G62660</b>	<b>glycosyl hydrolase family 32, identical to beta-fructosidase</b>		
<b>AT3G55430</b>	<b>glycosyl hydrolase family 17 -beta 1,3 glucanase</b>	<b>764</b>	
<b>AT5G64310</b>	<b>AGP1 - arabinogalactan-protein</b>		<b>252, 328, 347, 443</b>
<b>AT1G03220</b>	<b>extracellular dermal glycoprotein (EDGP)</b>		
<b>AT1G78850</b>	<b>curculin-like (mannose-binding) lectin family</b>		
<b>AT2G22500</b>	<b>mitochondrial carrier protein family</b>		<b>341</b>
<b>AT4G24570</b>	<b>mitochondrial carrier protein family</b>		<b>228</b>
<b>AT2G30870</b>	<b>GST - ERD13</b>		
<b>AT1G27130</b>	<b>GST12</b>		
AT1G76680	12-oxophytodienoate reductase (OPR1)	893	
AT5G56870	glycosyl hydrolase family 35 (beta-galactosidase)		
AT1G70090	glycosyltransferase family 8	546	15, 201, 219, 935
AT1G22360	UDP-glucose glucosyltransferase		
AT3G29360	UDP-glucose dehydrogenase -related		654
AT2G39770	GDP-mannose pyrophosphorylase		
AT5G45280	pectinacetyltransferase, putative		
AT5G24300	strach synthase	525	
AT5G11740	AGP15 - ARABINOGALACTAN PROTEIN		360, 410

AT2G46330	AGP16 - arabinogalactan-protein (AGP16)		
AT5G13420	transaldolase - like protein		
AT1G55810	uracil phosphoribosyltransferase		
AT4G39940	adenosine-5-phosphosulfate-kinase		
AT1G73540	Similar to diphosphoinositol polyphosphate phosphohydrolase	641	176, 504, 549
AT1G74100	putative flavonol sulfotransferase	457	
AT2G45300	5-enolpyruvylshikimate-3-phosphate (EPSP) synthase	263	950
AT4G33070	pyruvate decarboxylase-1 (Pdc1)		
AT5G11670	NADP dependent malic enzyme - like protein	221	
AT5G25880	malate dehydrogenase		
AT3G17390	MTO3 - s-adenosylmethionine synthetase - Met biosynthesis		498
AT5G05730	ASA1 - anthralinate synthase alpha subunit - Trp biosynthesis		
AT3G44720	prephenate dehydratase family, similar to bacterial PheA		
AT4G30530	component of aniline dioxygenase	155	
AT4G38550	Phospholipase like protein-pEARLI 4		200
AT5G24140	squalene monooxygenase 2	278	
AT1G21110	O-methyltransferase 1, putative		
AT2G05710	cytoplasmic aconitate hydratase	647, 932	
AT5G26030	ferrochelatase-I		
AT4G22710	CYP706A2 - cytochrome p450		295
AT5G57220	CYP81F2 cytochrome p450		
AT4G31500	CYP83B1, CYTOCHROME P450 MONOOXYGENASE		
AT4G39950	cytochrome P450		
AT3G15356	similar to putative lectin		
AT3G16530	putative lectin		
AT1G79900	mitochondrial carrier protein family		
AT3G11820	SYPI21 - syntaxin-related protein		
AT5G13650	GTP-binding protein typA (tyrosine phosphorylated protein A)		
AT2G29960	cyclophilin		
AT3G19260	LAG1 HOMOLOG 2, LONGEVITY ASSURANCE GENE1		
AT3G26980	similar to geranylgeranylated proteins ATGP4		554
AT5G03380	similar to farnesylated protein ATPF2	784	

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*unknown genes*

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<b>AT2G23120</b>	<b>unknown protein</b>		
<b>AT1G19180</b>	<b>unknown protein</b>	<b>284, 342</b>	<b>666, 816</b>
<b>AT1G30360</b>	<b>unknown protein</b>		
<b>AT1G69890</b>	<b>unknown protein</b>		
<b>AT2G41640</b>	<b>unknown protein</b>		
<b>AT4G39670</b>	<b>unknown protein</b>		
<b>AT5G42050</b>	<b>unknown protein</b>		<b>658</b>
AT1G03730	unknown protein		213, 257
AT1G18470	unknown protein		287
AT1G28380	unknown protein		
AT1G31130	unknown protein		
AT1G36310	unknown protein		
AT1G36580	unknown protein	151	
AT1G49480	unknown protein		
AT1G52890	unknown protein		795, 858
AT1G62870	unknown protein		375, 359
AT1G69080	unknown protein		253
AT1G69840	unknown protein		
AT1G72450	unknown protein	904, 941	
AT1G74950	unknown protein	255, 860	
AT2G01670	unknown protein		
AT2G16530	unknown protein		

AT2G20240	unknown protein		
AT2G20810	unknown protein		
AT2G23810	unknown protein	525	387
At2G26190	unknown protein		
AT3G05320	unknown protein		
AT3G07180	unknown protein	171	155
AT3G07780	unknown protein		755
AT3G17650	unknown protein	545	
AT3G29170	unknown protein		311
AT3G56880	unknown protein		204, 234
AT3G62680	proline-rich protein		
AT4G21850	unknown protein		
AT4G24160	unknown protein		178
AT4G25030	unknown protein	676	793
AT4G32020	unknown protein		252
AT4G36500	unknown protein		
AT5G03210	unknown protein	351	175, 539
AT5G09850	unknown protein		
AT5G18400	unknown protein		499
AT5G45350	unknown protein		
AT5G46500	unknown protein		
AT5G56980	unknown protein	232	
AT5G65630	unknown protein	162, 431	