

Table S1. Genes up-regulated in both of the weight treatment and the intermediate stage of Arabidopsis.

AGI ^a	Gene Description	Class ^b	Cor ^c	Fold ^d	Fold ^e	AGI	Gene Description	Class	Cor	Fold	Fold
At5g52760	Putative Protein	UN	0.97	63.9	19.5	At3g46620	Hypothetical protein	TR	0.95	4.5	2.3
At2g17660	Unknown protein	UN	0.97	36.2	5.1	At1g74450	Unknown protein	UN	0.95	4.5	2.5
At5g57560	TCH4 protein (gb AAA92363.1)	CW	0.95	34.6	15.9	At4g33920	Putative protein phosphatase Wip1	ST	0.96	4.5	2.1
At3g55980	Putative protein zinc finger transcription factor (PEI1)	TR	0.98	26.1	14.2	At1g32640	Identical to bHLH protein	TR	0.99	4.5	1.9
At3g10930	Hypothetical protein	UN	0.95	23.9	38.0	At1g77790	Similar to endo-13-beta-glucanase	CW	0.99	4.4	1.9
At5g58120	resistance protein - like disease resistance protein RPP1-WsA	DF	0.96	21.4	13.7	At3g19660	Unknown protein	UN	0.99	4.4	2.3
At2g32140	Putative disease resistance protein	DF	0.98	20.3	7.0	At1g56060	Hypothetical protein	UN	0.99	4.4	2.2
At3g50930	BCS1 protein-like protein	EM	0.97	18.7	10.1	At1g63530	Unknown protein	UN	0.96	4.3	1.2
At1g09950	Similar to Nicotiana tumor-related protein	TR	0.97	16.0	26.1	At5g06320	harpin-induced protein-like	DF	0.99	4.3	4.2
At3g09870	Similar to auxin-induced proteins	TR	0.98	14.9	10.3	At4g37770	ACS, 1-aminocyclopropane-1-carboxylate synthase-like protein	SM	0.97	4.3	1.4
At5g52750	Putative Protein	UN	0.99	14.2	7.1	At2g20145	Expressed protein; supported by full-length cDNA	UN	0.97	4.3	1.6
At2g41100	calmodulin-like protein	ST	0.98	13.8	7.0	At5g39670	calcium-binding protein - like cbp1	ST	0.99	4.3	3.8
At1g63030	Similar to transcription factor DREB1A	TR	0.99	13.7	4.3	At2g20030	Putative RING zinc finger protein	TR	0.96	4.2	1.4
At3g44260	CCR4-associated factor 1-like protein	TR	0.99	12.9	7.7	At3g49530	NACNAC2-like protein NAC2	TR	1.00	4.1	3.7
At4g27280	Putative protein centrin	CC	0.97	12.6	14.3	At3g52720	carbonic anhydrase (CAH1)	PM	0.97	4.1	1.6
At2g27080	Unknown protein	DF	0.95	12.1	31.8	At4g23180	serine/threonine kinase -like protein	ST	1.00	4.0	5.4
At2g39650	Unknown protein	UN	0.99	11.5	7.0	At1g07135	Unknown protein	UN	0.99	4.0	2.1
At5g51190	Similar to ethylene responsive element binding factor	TR	0.96	10.7	6.5	At5g58660	Putative protein fruit ripening	PM	0.97	4.0	1.4
At1g80820	Similar to cinnamoyl CoA reductase	SM	0.97	10.3	3.7	At5g13700	polyamine oxidase	SM	0.96	4.0	2.1
At1g72520	Similar to lipoxigenase	PM	0.98	9.8	30.0	At1g72940	Similar to disease resistance protein	DF	1.00	4.0	2.6
At1g57990	Unknown protein	UN	0.97	9.8	4.8	At3g60550	regulatory protein - like	PM	0.96	3.9	2.9
At4g23810	AtWRKY53	TR	0.95	9.8	4.0	At2g01180	Putative phosphatidic acid phosphatase	PM	0.99	3.9	3.2
At2g34600	Hypothetical protein	UN	0.99	9.6	5.8	At5g41740	disease resistance protein-like	DF	0.99	3.8	6.7
At2g38470	AtWRKY33, putative WRKY-type DNA binding protein	TR	0.99	9.4	7.9	At3g46600	scarecrow-like protein	TR	0.97	3.7	1.7
At2g17040	NAM (no apical meristem)-like protein	TR	0.97	9.2	6.1	At5g14750	AtMYB66, myb transcription factor werewolf (WER)	TR	0.97	3.7	1.5
At5g19240	Putative Protein	UN	0.97	9.1	4.5	At2g07720	Hypothetical protein	UN	0.98	3.7	1.5
At5g07680	NAM (no apical meristem)-like protein	TR	0.96	8.8	1.3	At3g08860	Similar to beta-alanine-pyruvate aminotransferase	PM	1.00	3.7	3.1
At5g61600	DNA binding protein EREBP-LIKE	TR	0.98	8.5	5.7	At4g33050	Putative Protein	UN	0.96	3.7	25.1
At1g19380	Hypothetical protein	UN	0.98	8.3	5.2	At2g41010	Unknown protein	UN	0.99	3.7	2.4
At4g23220	serine/threonine kinase - like protein serine/threonine kinase	ST	0.99	8.2	2.7	At5g62570	Similarity to calmodulin-binding protein	ST	0.99	3.7	2.1
At3g26210	cytochrome P450putative	SM	0.99	8.2	4.8	At5g01540	receptor like protein kinase	ST	0.99	3.6	2.0
At3g45960	Putative protein cim1 induced allergen	CW	0.97	8.0	7.1	At2g30070	high affinity K+ transporter (AtKUP1/AtKT1p)	TP	0.96	3.6	1.4
At4g14365	Expressed protein; supported by full-length cDNA	UN	0.96	7.8	5.2	At1g53540	17.6 kDa heat shock protein (AA 1-156)	DF	0.97	3.6	1.4
At2g34930	Putative disease resistance protein	DF	0.99	7.6	3.1	At5g18470	Putative protein S-receptor kinase PK3 precursor	ST	0.99	3.6	2.1
At2g23810	Hypothetical protein	CF	0.98	7.3	6.0	At5g57785	Expressed protein; supported by full-length cDNA	UN	0.97	3.6	1.4
At1g72920	Similar to virus resistance protein	DF	0.99	7.2	3.4	At5g39580	peroxidase ATP24a	DF	0.97	3.5	1.4
At1g17380	Unknown protein	UN	0.96	7.2	2.4	At1g16370	Putative transport protein sugar transporter family	TP	0.96	3.5	1.2
At5g47230	ethylene responsive element binding factor 5 (ATERF5)	TR	0.99	7.2	2.9	At5g35735	Expressed protein; supported by full-length cDNA	UN	0.99	3.5	3.4
At3g50060	AtMYB77R2R3-MYB transcription factor	TR	0.99	7.1	3.9	At2g01960	Unknown protein	PD	1.00	3.5	2.4
At4g37610	Putative protein SPOP	CT	0.97	7.0	2.2	At5g47960	RAS superfamily GTP-binding protein-like	ST	0.99	3.5	4.1
At1g72240	Hypothetical protein	UN	0.98	7.0	4.7	At1g50530	Hypothetical protein	UN	0.97	3.4	1.4
At1g55050	Hypothetical protein	UN	0.97	6.6	1.4	At4g25390	receptor kinase-like protein	ST	0.98	3.4	2.0
At5g37770	CALMODULIN-RELATED PROTEIN 2TOUCH-INDUCED (TCH2)	ST	0.97	6.5	4.8	At3g52800	zinc finger - like protein	TR	1.00	3.4	2.4
At3g57530	calcium-dependent protein kinase	ST	0.99	6.2	5.1	At1g30370	Putative lipase	PM	0.98	3.4	1.6
At1g18570	AtMYB51myb transcription factor	TR	0.98	6.1	11.6	At1g10560	Similar to zinc-binding protein	ST	0.96	3.4	1.3
At5g37110	Putative helicase PIF1 protein	UN	0.98	6.1	7.2	At1g30040	Unknown protein	SM	0.99	3.3	2.9
At4g24380	Putative protein dihydrofolate reductase	PM	0.99	5.9	5.6	At5g25610	Similar to chloroplast-localized small heat shock protein	DF	0.98	3.3	7.8
At5g28940	Similar to replication proteins	CC	0.98	5.8	1.7	At5g66070	Putative Protein	TR	0.97	3.3	1.7
At4g02380	Similar to several small proteins induced by heat, auxin, ethylene and wounding	DF	1.00	5.7	5.4	At4g02200	Similar to drought-induced-19	DF	1.00	3.3	4.0
At2g40140	Putative CCH-type zinc finger protein also an ankyrin-repeat protein	TR	0.99	5.7	5.5	At1g70880	Similar to ripening-induced protein	DF	0.98	3.3	1.7
At1g14480	Similarity to alpha-latroinsectotoxin precursor	UN	0.97	5.6	2.9	At4g33340	Hypothetical protein	UN	0.95	3.3	1.6
At5g47220	ethylene responsive element binding factor 2 (ATERF2)	TR	1.00	5.6	2.6	At1g22190	AP2/EREBPAP2 domain containing protein RAP2	TR	1.00	3.3	2.5
At3g48520	cytochrome P450-like protein	SM	0.97	5.5	1.5	At5g95550	Putative protein COP1-interacting protein CIP8	TR	0.99	3.3	2.3
At1g25400	Unknown protein	UN	0.98	5.4	5.6	At3g08870	Similar to serine/threonine-specific kinase	ST	1.00	3.3	3.2
At3g52400	syntxin-like protein synt4	CT	0.98	5.3	5.3	At3g45640	mitogen-activated protein kinase 3	ST	1.00	3.3	6.4
At4g17500	ethylene responsive element binding factor 1	TR	1.00	5.3	5.5	At1g67920	Unknown protein	UN	0.99	3.2	7.6
At3g08720	Putative ribosomal-protein S6 kinase (ATPK19)	PS	0.96	5.3	2.0	At4g38870	Putative protein	TR	1.00	3.2	2.9
At1g34670	AtMYB93myb-related protein	TR	0.95	5.3	1.5	At5g25930	receptor-like protein kinase	ST	0.99	3.2	2.5
At1g02660	Hypothetical protein	UN	0.95	5.2	2.4	At5g11650	lysophospholipase - like protein	PM	0.98	3.2	3.1
At2g31880	Putative receptor-like protein kinase	ST	0.97	5.1	4.3	At4g04540	Putative receptor-like protein kinase	ST	1.00	3.2	4.7
At2g24600	Hypothetical protein	TP	0.99	5.0	4.0	At4g18290	potassium channel protein KAT2	TP	0.96	3.2	1.4
At1g66160	Unknown protein	ST	0.96	5.0	5.3	At4g20140	leucine rich repeat-like protein Cf-2.2	PF	0.95	3.2	1.1
At2g21780	Hypothetical protein	UN	1.00	4.8	3.7	At4g21370	receptor kinase - like protein	ST	0.99	3.2	2.2
At1g32920	Unknown protein	UN	0.96	4.8	4.2	At4g30470	cinnamoyl-CoA reductase - like protein	SM	0.98	3.2	2.4
At5g66210	calcium-dependent protein kinase	ST	1.00	4.8	4.1	At5g46780	Putative Protein	UN	0.96	3.2	1.9
At4g02410	Unknown protein	ST	1.00	4.8	6.4	At1g51820	Similar to light repressible receptor protein kinase	ST	0.98	3.2	2.8
At2g44840	Putative ethylene response element binding protein (EREBP)	TR	0.99	4.8	2.6	At3g56880	Putative Protein	UN	0.99	3.2	2.3
At1g44830	AP2/EREBPtranscription factorputative contains AP2 domain	TR	0.97	4.8	2.9	At4g39640	Putative gamma-glutamyltransferase	DF	0.98	3.2	1.7
At2g32540	Putative cellulose synthase	CW	0.96	4.7	1.8	At1g70740	Putative protein kinase	ST	0.97	3.2	1.3
At4g08950	Putative phi-1-like phosphate-induced protein	UN	0.96	4.7	9.1	At4g25810	xyloglucan endo-14-beta-D-glucanase (XTR-6)	CW	0.96	3.1	1.4
At1g35210	Hypothetical protein	UN	0.99	4.7	2.5	At3g18560	Unknown protein	UN	0.95	3.1	1.6
At1g64370	Unknown protein	UN	1.00	4.7	3.7	At4g20830	reticuline oxidase -like protein	SM	0.99	3.1	2.8
At1g66090	Similar to disease resistance protein RPP1-WsA	DF	0.98	4.6	3.3	At4g16620	membrane protein homolog	PD	0.99	3.1	1.8
At3g16720	Similar to RING-H2 zinc finger protein ATL6	TR	0.96	4.5	2.3	At2g05940	Putative protein kinase	ST	0.98	3.1	2.1
At3g24520	Similar to heat shock transcription factor HSF1	TR	0.96	4.5	1.3	At5g49520	AtWRKY48, WRKY-type DNA-binding protein	TR	0.96	3.1	1.3
At1g63750	Similar to disease resistance protein (RPP1-WsC)	DF	0.97	4.5	4.7	At3g25600	Similar to calmodulin	ST	0.96	3.1	2.3

At2g32150	Putative hydrolase	PD	1.00	3.1	3.0	At3g27450	Similar to 40S ribosomal subunit protein S21	PS	0.96	2.5	1.3
At3g25780	Unknown protein	UN	1.00	3.1	3.1	At1g78720	Similar to protein transport protein sec61 alpha subunit	PF	0.96	2.5	1.3
At5g37540	Putative protein nucleoid DNA-binding protein cnd41	TR	0.97	3.1	3.3	At5g13190	Putative Protein	UN	1.00	2.5	3.1
At2g45220	Putative pectinesterase	CW	0.96	3.1	7.1	At4g24160	Putative protein CGI-58 protein	PM	0.97	2.4	1.9
At5g26030	ferrochelatase-I	PM	0.97	3.0	2.1	At5g57680	Putative Protein	ST	0.99	2.4	3.3
At3g59080	Putative protein CND41 chloroplast nucleoid DNA binding protein	TR	1.00	3.0	5.3	At5g38350	disease resistance protein-like	DF	0.96	2.4	1.2
At3g19010	Similarity to flavonol synthase (FLS)	SM	1.00	3.0	2.8	At5g14130	peroxidase ATP20a (emb CAA67338.1)	DF	0.99	2.4	2.6
At5g35660	Unknown protein	UN	0.97	3.0	1.4	At3g04210	Similar to disease resistance protein RPP1-WsC	DF	0.96	2.4	4.5
At3g03910	Similar to glutamate dehydrogenase 1	PM	0.99	3.0	2.5	At4g09740	cellulase-like protein cellulase (EC 3.2.1.4)	CW	0.95	2.4	1.4
At1g29690	Unknown protein	UN	0.96	3.0	2.9	At5g17330	glutamate decarboxylase 1 (GAD 1)	PM	0.96	2.4	1.2
At3g56710	SigA binding protein	TR	0.97	3.0	2.5	At4g04110	Putative RPP1-like disease resistance protein	DF	0.97	2.4	1.9
At4g29640	cytidine deaminase 5 (CDA5)	PM	0.98	2.9	1.7	At1g52200	Unknown protein	UN	0.96	2.4	1.2
At1g56150	Unknown protein	UN	0.99	2.9	2.1	At1g72930	Similar to flax rust resistance protein	DF	0.96	2.4	3.6
At1g72900	Similar to virus resistance protein	DF	0.98	2.9	2.2	At2g43290	Putative calcium binding protein	ST	0.99	2.4	2.9
At5g50260	Similar to cysteine endopeptidase precursor CysEP	PF	0.96	2.9	5.1	At1g55390	Hypothetical protein	TR	0.95	2.4	1.2
At3g56400	AtWRKY70, DNA-binding protein	TR	1.00	2.9	3.7	At5g20110	dynein light chain - like protein	CT	0.98	2.4	1.6
At1g65400	Similarity to lectin polypeptide	PF	0.97	2.9	1.9	At1g20823	predicted protein	UN	0.99	2.4	2.7
At1g02810	Similar to pectin esterase	CW	0.98	2.9	2.0	At2g43000	NAM (no apical meristem)-like protein	TR	0.96	2.4	1.5
At5g57070	Putative Protein	UN	0.95	2.9	2.7	At2g25790	Putative receptor-like protein kinase	ST	1.00	2.4	3.7
At1g27100	Unknown protein	UN	0.99	2.9	2.2	At3g54200	Putative protein hin1 protein	UN	0.99	2.3	2.5
At5g16200	Putative Protein	UN	0.98	2.9	1.6	At5g58570	Expressed protein; supported by full-length cDNA	UN	0.98	2.3	2.3
At1g51700	Dof zinc finger protein	TR	0.99	2.8	2.3	At1g55940	Similar to cytochrome P450	SM	0.96	2.3	1.3
At2g28400	Hypothetical protein	UN	0.98	2.8	1.5	At1g59910	Hypothetical protein	TR	0.97	2.3	1.7
At1g70950	Hypothetical protein	UN	0.95	2.8	1.1	At1g72300	Similar to leucine-rich receptor-like protein kinase	ST	0.95	2.3	1.6
At4g20110	vacuolar sorting receptor-like protein BP-80	PF	0.95	2.8	3.7	At5g47050	Similarity to S-ribonuclease binding protein	PM	0.97	2.3	1.7
At1g50740	Unknown protein	UN	1.00	2.8	3.0	At1g21000	Unknown protein	UN	0.98	2.3	3.7
At4g21780	Hypothetical protein	UN	0.98	2.8	1.8	At1g56510	disease resistance protein	DF	0.99	2.3	2.7
At1g14870	Unknown protein	UN	0.98	2.8	1.7	At3g43270	pectinesterase -like protein	CW	0.96	2.3	1.4
At5g11570	Putative oligopeptide transporter protein LeOPT1	PF	1.00	2.8	5.7	At4g08410	extensin-like protein hydroxyproline-rich glycoprotein precursor	CW	0.95	2.3	1.1
At5g15830	AtbZIP3, bZIP DNA-binding protein-like	TR	0.97	2.8	3.6	At1g57740	Expressed protein; supported by full-length cDNA	ST	0.99	2.3	1.9
At2g28780	Hypothetical protein	UN	1.00	2.8	3.3	At2g24100	Unknown protein	UN	0.96	2.3	1.3
At1g09070	Similar to Glycine SRC2	SM	0.99	2.8	2.2	At1g69490	Unknown protein similar to N-term half of NAC domain protein NAM	TR	0.97	2.3	1.4
At4g15190	Hypothetical protein	UN	1.00	2.8	2.7	At1g57740	Hypothetical protein	UN	0.95	2.3	1.3
At1g35370	Similar to gypsy/Ty3 element polyprotein	TE	0.98	2.8	1.6	At2g04795	Expressed protein; supported by full-length cDNA	UN	0.97	2.3	3.3
At4g04830	Similar to transcriptional regulator	TR	0.97	2.8	2.1	At1g73830	Putative helix-loop-helix DNA-binding protein	TR	0.97	2.3	1.6
At1g40150	Hypothetical protein	UN	0.97	2.8	1.4	At5g12030	heat shock protein 17.6A	DF	0.97	2.3	1.5
At3g57450	Putative Protein	UN	0.97	2.8	2.6	At5g45000	Similarity to disease resistance protein	DF	0.96	2.3	1.5
At1g21910	Similar to TINY	TR	0.99	2.8	1.8	At5g38900	IrnE protein - like IrnE protein	SM	0.97	2.3	1.6
At2g37970	Unknown protein	UN	0.97	2.8	2.0	At5g50800	M1N3-like protein	CF	0.97	2.3	2.4
At1g67470	Putative protein kinase	ST	0.97	2.8	1.7	At1g17250	Putative receptor protein kinase	DF	0.99	2.3	2.2
At1g07520	Similar to transcription factor scarecrow-like 14	TR	0.98	2.7	1.8	At5g67300	AtMYB44	TR	0.98	2.3	2.5
At1g71697	Similar to CHOLINE/ETHANOLAMINE KINASE	SM	1.00	2.7	3.4	At1g59740	Similar to oligopeptide transporter	TP	0.99	2.3	1.9
At1g58420	Hypothetical protein	UN	0.99	2.7	2.4	At5g25440	Putative protein kinase serine/threonine/tyrosine-specific protein kinase APK1	ST	0.98	2.3	2.9
At1g68510	Hypothetical protein	UN	0.97	2.7	1.7	At2g47060	Putative protein kinase	ST	0.98	2.3	2.1
At3g19580	Similar to Cys2/His2-type zinc finger protein 2	TR	0.97	2.7	2.1	At3g19200	Hypothetical protein	TE	0.99	2.3	2.3
At3g19030	Similarity to phosphoserine aminotransferase	UN	0.97	2.7	10.1	At4g01430	Unknown protein	PD	0.98	2.3	2.4
At4g23150	serine/threonine kinase-like protein, KI domain interacting kinase 1 (KIK1)	ST	0.97	2.7	1.3	At5g38240	receptor serine/threonine protein kinase -like	ST	0.97	2.3	1.6
At1g11050	Ser/Thr protein kinase isolog	ST	0.99	2.7	2.7	At1g12100	Similar to hybrid proline-rich protein	UN	0.98	2.3	1.6
At4g23350	Putative Protein	UN	0.98	2.7	2.2	At1g09380	Similar to nodulin proteinN21	PD	0.96	2.3	1.3
At5g20230	Caffeic acid O-methyltransferase	SM	0.99	2.7	2.6	At5g04760	I-box binding factor - like protein	TR	0.99	2.3	2.5
At5g38710	proline oxidase mitochondrial precursor -like protein	PM	0.99	2.7	1.9	At1g72120	Similar to oligopeptide transporterLeOPT1	TP	0.99	2.2	2.1
At4g09030	arabinogalactan-protein homolog	CW	1.00	2.7	2.5	At3g50130	Putative Protein	UN	0.99	2.2	3.2
At4g08530	Putative lipid transfer protein	TP	0.96	2.7	1.5	At2g40270	Putative protein kinase	ST	0.98	2.2	1.9
At1g76600	Unknown protein	UN	0.96	2.7	1.5	At1g26730	Putative aldehyde oxidase	CF	0.97	2.2	1.4
At2g43570	endochitinase isolog	DF	0.98	2.7	1.9	At2g43450	Hypothetical protein	UN	0.96	2.2	1.3
At3g22840	Identical to early light-induced protein	EM	0.96	2.7	3.9	At2g07696	Hypothetical protein	UN	0.98	2.2	2.2
At4g31800	AtWRKY18	TR	0.98	2.7	4.4	At2g42760	Unknown protein	UN	0.96	2.2	1.3
At1g76690	12-oxophytodienoate reductase (OPR2)	EM	0.99	2.6	2.9	At1g05575	Expressed protein; supported by full-length cDNA	UN	0.97	2.2	1.6
At1g17990	Similar to 12-oxophytodienoate reductase OPR1	EM	0.98	2.6	1.6	At2g34410	Hypothetical protein	UN	0.96	2.2	1.7
At2g33580	Putative protein kinase	ST	0.99	2.6	2.6	At3g14620	Putative cytochrome P450	SM	0.96	2.2	2.6
At4g17230	scarecrow-like 13 (SCL13)	TR	0.97	2.6	2.1	At4g04290	Putative reverse transcriptase	TE	0.97	2.2	3.2
At5g44390	berberine bridge enzyme-like protein	SM	0.97	2.6	1.9	At2g31550	Putative GDSL-motif lipase/hydrolase	PM	0.98	2.2	1.9
At2g43050	Putative pectinesterase	CW	0.98	2.6	2.6	At5g15950	S-adenosylmethionine decarboxylase (adoMetDC2)	SM	0.98	2.2	2.5
At5g42050	Putative Protein	UN	0.98	2.6	2.5	At5g58430	leucine zipper-containing protein	TR	0.98	2.2	1.7
At2g23320	AtWRKY15	TR	0.98	2.6	1.8	At5g12940	Putative protein DRT100 protein	ST	0.98	2.2	2.3
At4g15800	Expressed protein; supported by full-length cDNA	TP	0.99	2.6	1.9	At3g51860	Ca2+/H+-exchanging protein-like	TP	0.96	2.2	2.0
At4g24110	Putative Protein	UN	0.97	2.6	2.6	At5g04720	disease resistance - like protein	DF	0.99	2.2	2.9
At1g43910	Unknown protein	EM	0.97	2.5	2.2	At1g71450	Putative TINY	TR	0.95	2.2	1.4
At3g01430	Hypothetical protein	UN	0.99	2.5	4.4	At5g37690	Putative Protein	SM	0.97	2.2	1.6
At2g17500	Unknown protein	CW	0.97	2.5	1.6	At2g07030	Similar to MURA transposase of maize	TE	0.96	2.2	1.5
At5g10380	Putative protein	TR	0.99	2.5	2.5	At2g03210	FUT2putative fucosyltransferaseunknown protein	CW	0.99	2.2	2.4
At5g44580	Unknown protein	UN	0.99	2.5	2.0	At4g17340	membrane channel like protein	TP	0.98	2.2	2.1
At1g27770	envelope Ca2+-ATPase	TP	0.99	2.5	2.5	At5g50915	Expressed protein; supported by full-length cDNA	UN	0.96	2.2	3.7
At3g62720	alpha galactosyltransferase-like protein	CW	0.99	2.5	2.8	At4g21390	serine/threonine kinase - like protein	ST	0.98	2.2	4.0
At4g12720	growth factor like protein	UN	0.99	2.5	3.9	At1g27200	Unknown protein	UN	0.98	2.1	1.8
At1g07870	Similar to protein kinase	ST	0.98	2.5	1.7	At1g74670	GAST1-like protein	SM	0.97	2.1	1.8
At2g26530	Similar to yeast allergen receptor	PS	0.99	2.5	2.1	At1g21390	Hypothetical protein	UN	0.98	2.1	2.2
At4g38400	Putative pollen allergen pollen allergen	CW	0.96	2.5	3.0	At5g25190	ethylene-responsive element - like protein	TR	0.96	2.1	1.6
At5g26220	Putative protein cation transport protein	TP	0.98	2.5	4.0	At5g37910	Putative protein SlAH1	TR	0.95	2.1	1.3
At4g08880	Hypothetical protein	UN	0.99	2.5	5.1	At5g36000	Putative Protein	UN	0.98	2.1	1.9

At3g46900	copper transport protein - like protein	TP	0.99	2.1	4.4	At3g02800	Unknown protein	UN	0.97	1.9	1.7
At1g20700	Hypothetical protein	TR	0.96	2.1	1.4	At5g53590	Unknown protein	UN	0.96	1.9	1.4
At2g14920	Putative steroid sulfotransferase	SM	0.99	2.1	3.6	At4g30440	UDP-glucuronate 4-epimerase GAE1	CW	0.98	1.9	2.2
At3g54270	Putative Protein	UN	0.96	2.1	1.3	At5g22690	disease resistance protein-like	DF	0.97	1.9	1.8
At3g42360	Putative Protein	TE	0.98	2.1	1.8	At3g59370	Putative Protein	UN	0.96	1.9	1.4
At3g29210	Hypothetical protein	UN	0.96	2.1	1.4	At1g70110	Receptor-like kinase	ST	0.99	1.9	2.7
At2g17290	Putative calmodulin-domain protein kinase CPK6	ST	0.97	2.1	1.6	At1g67880	Similar to N-acetylglucosaminyltransferase III	PM	0.96	1.9	1.9
At1g11540	Hypothetical protein	UN	0.97	2.1	1.5	At1g20160	Subtilisin-like serine protease	PF	0.98	1.9	2.2
At5g66620	Putative Protein	DF	0.98	2.1	2.6	At3g06890	Hypothetical protein	UN	0.96	1.9	1.4
At1g69840	Unknown protein	DF	0.96	2.1	2.2	At5g40460	Putative Protein	UN	0.96	1.9	1.3
At5g43180	Putative Protein	UN	0.99	2.1	2.4	At1g05260	Putative peroxidase ATPEROX7A	DF	0.99	1.8	2.8
At5g24655	Expressed protein; supported by full-length cDNA	UN	0.95	2.1	1.3	At1g11070	Hypothetical protein	UN	0.96	1.8	2.0
At5g43040	CHP-rich zinc finger protein-like	TR	0.96	2.1	1.3	At4g34610	Homeodomain - like protein, BEL1	TR	0.97	1.8	1.6
At2g28650	Hypothetical protein	TR	0.97	2.1	1.6	At2g31730	Unknown protein	UN	0.97	1.8	1.8
At4g17690	peroxidase like protein	SM	0.98	2.1	1.8	At4g14760	centromere protein homolog	CC	0.96	1.8	1.4
At2g17220	Putative protein kinase	ST	0.98	2.1	1.9	At1g68690	Similar to protein kinase 1	ST	0.96	1.8	3.6
At3g14850	Hypothetical protein	UN	0.97	2.1	2.1	At4g05020	Unknown protein	EM	0.97	1.8	1.6
At1g76360	Putative protein kinase	ST	0.99	2.0	7.0	At2g27830	Unknown protein	UN	0.98	1.8	2.1
At4g37260	AtMYB73myb-related protein	TR	0.99	2.0	3.0	At3g44720	Putative chloroplast prephenate dehydratase	PM	0.97	1.8	2.3
At5g62730	nitrate transporter NTL1 - like protein	TP	0.96	2.0	4.5	At4g31330	predicted protein	UN	0.96	1.8	1.7
At1g19770	Unknown protein	UN	0.99	2.0	2.5	At1g70990	Unknown protein	UN	0.97	1.8	1.9
At1g71140	Hypothetical protein	TP	0.95	2.0	1.4	At1g77900	Unknown protein	UN	0.97	1.8	1.9
At3g17800	Unknown protein	UN	0.96	2.0	1.3	At4g33180	Putative Protein	PM	0.96	1.8	1.4
At5g35490	Putative Protein	UN	0.98	2.0	1.7	At4g02075	Expressed protein; supported by full-length cDNA	UN	0.96	1.8	3.8
At2g44500	Similar to axi 1 protein	CF	0.99	2.0	2.3	At1g31130	Unknown protein	UN	0.96	1.8	1.5
At4g36500	Putative Protein	UN	0.97	2.0	2.2	At2g32210	Unknown protein	UN	0.96	1.8	3.0
At3g50760	Putative UDP-glucose:(glucosyl) LPS alpha13-glucosyltransferase	CW	0.98	2.0	1.9	At3g57880	anthranilate phosphoribosyltransferase-like protein	PM	0.97	1.8	1.6
At4g18880	heat shock transcription factor - like protein	TR	0.98	2.0	2.1	At4g35030	leucine rich repeat receptor-like kinase	ST	0.96	1.8	1.4
At1g09575	Expressed protein; supported by full-length cDNA	UN	0.95	2.0	2.2	At3g08810	Unknown protein	UN	0.96	1.8	1.5
At4g37530	peroxidase - like protein	DF	0.95	2.0	1.3	At3g28180	Unknown protein	PM	0.97	1.8	1.6
At3g25610	Similar to ATPase II	TP	0.95	2.0	5.5	At1g75020	Putative acyl-CoA:1-acylglycerol-3-phosphate acyltransferase	PM	0.97	1.8	2.7
At5g59450	scarecrow-like 11 - like	TR	0.96	2.0	1.3	At4g25620	Putative Protein	UN	0.96	1.8	1.5
At1g09970	Similar to A. thaliana receptor-like protein kinase	ST	0.98	2.0	4.0	At5g53130	cyclic nucleotide-regulated ion channel	TP	0.97	1.8	1.9
At2g36040	Hypothetical protein	UN	0.99	2.0	6.1	At2g46600	Putative caltractin	ST	0.99	1.8	3.1
At4g23280	serine /threonine kinase - like protein	ST	0.98	2.0	2.0	At1g02220	NAM (no apical meristem)-like protein	TR	0.96	1.8	1.4
At1g07550	Putative Protein	ST	0.97	2.0	1.8	At5g58620	Putative zinc finger transcription facto	TR	0.96	1.8	1.4
At2g26190	Unknown protein	UN	0.96	2.0	2.4	At2g03840	Putative senescence-associated protein	CF	0.95	1.8	1.6
At5g65080	MADS box transcription factor-like protein	TR	0.97	2.0	1.5	At2g28570	Unknown protein	UN	0.97	1.8	2.0
At3g28540	Hypothetical protein	EM	0.97	2.0	5.6	At5g38850	disease resistance protein - like	DF	0.96	1.8	1.4
At2g25810	Putative aquaporin (tonoplast intrinsic protein)	TP	0.96	2.0	1.5	At1g23030	Unknown protein	ST	0.97	1.8	2.0
At5g40780	amino acid permease	TP	0.96	2.0	2.9	At3g17180	Putative serine carboxypeptidase II	PF	0.98	1.8	2.4
At4g33940	Expressed protein; supported by full-length cDNA	CF	0.97	2.0	1.5	At4g14465	Expressed protein; supported by full-length cDNA	UN	0.98	1.8	2.4
At1g61890	Hypothetical protein	TP	0.98	2.0	2.3	At3g05200	Putative RING-H2 zinc finger protein ATL6	TR	0.97	1.8	7.0
At4g26090	disease resistance protein RPS2	DF	0.96	2.0	1.4	At4g30090	Putative Protein	UN	0.95	1.8	1.3
At1g01600	Similar to cytochrome P450	SM	0.97	2.0	2.1	At3g10720	Putative pectinesterase	CW	0.97	1.8	2.1
At3g53690	Putative Protein	TR	0.97	2.0	1.6	At1g10550	Putative endoxyloglucan transferase	CW	0.97	1.8	2.0
At5g47910	respiratory burst oxidase protein	DF	0.99	2.0	3.1	At3g11280	MYB-family transcription factor	TR	0.96	1.8	1.9
At1g70000	Similar to DNA binding protein MybSt1	TR	0.97	2.0	2.6	At5g02230	Putative protein putative hydrolase	PD	0.97	1.8	2.5
At3g19970	Unknown protein	UN	0.98	2.0	2.3	At4g29440	Putative suppressor protein	TR	0.95	1.8	1.4
At5g46140	Putative Protein	UN	0.96	2.0	1.4	At4g21760	beta-glucosidase -like protein	PM	0.97	1.8	2.4
At1g72450	Unknown protein	UN	0.98	2.0	1.8	At3g25640	Hypothetical protein	UN	0.98	1.8	2.9
At3g26980	Similar to geranylgeranylated protein	UN	0.96	1.9	1.4	At3g57070	Putative Protein	EM	0.97	1.8	1.8
At1g35230	Hypothetical protein	UN	0.96	1.9	1.6	At3g18300	Hypothetical protein	UN	0.97	1.8	1.6
At2g42370	Hypothetical protein	UN	0.97	1.9	1.7	At5g11070	Putative Protein	UN	0.96	1.7	1.5
At1g56540	Putative disease resistance protein	DF	0.97	1.9	2.7	At5g38280	receptor serine/threonine kinase PR5K	ST	0.96	1.7	1.5
At3g50950	Putative disease resistance protein	DF	0.98	1.9	2.2	At5g42010	Putative Protein	ST	0.95	1.7	1.3
At3g24530	Similar to rubisco expression protein	CC	0.97	1.9	1.8	At4g17840	Hypothetical protein	UN	0.96	1.7	1.9
At4g08930	Putative protein disulfide isomerase	PF	0.97	1.9	1.6	At1g28380	Unknown protein	UN	0.98	1.7	3.1
At5g35830	Unknown protein	UN	0.97	1.9	1.6	At5g06080	Putative Protein	UN	0.96	1.7	1.5
At3g57240	beta-13-glucanase	CW	0.97	1.9	1.9	At1g55450	Similar to embryo-abundant protein	PF	0.96	1.7	4.2
At4g35590	Putative Protein	UN	0.97	1.9	1.6	At4g34390	extra-large G-protein-like	CF	0.98	1.7	2.0
At3g53590	receptor protein kinase -like protein CLV1	ST	0.96	1.9	1.6	At2g38790	Unknown protein	UN	0.97	1.7	2.2
At3g26960	Unknown protein	UN	0.99	1.9	2.5	At3g11820	Putative syntaxin	CT	0.96	1.7	2.3
At1g07720	Similar to fatty acid elongase 3-ketoacyl-CoA synthase	PM	0.99	1.9	2.8	At2g47000	Putative ABC transporter related to multi drug resistance	TP	0.97	1.7	1.6
At1g74100	Putative flavonol 4 -sulfotransferase	SM	0.98	1.9	2.5	At2g07698	Hypothetical protein	UN	0.96	1.7	1.9
At5g38780	AtPP - like protein	SM	0.98	1.9	2.4	At4g15430	Hypothetical protein	UN	0.96	1.7	1.8
At1g70850	Similar to major latex protein (MLP149)	DF	0.97	1.9	1.8	At1g53640	Unknown protein	UN	0.96	1.7	1.5
At1g22720	Putative wall-associated kinase	ST	0.95	1.9	1.2	At3g23090	Unknown protein	UN	0.96	1.7	2.4
At3g27500	Hypothetical protein	TR	0.96	1.9	1.4	At4g27970	Putative Protein	UN	0.96	1.7	1.4
At4g10390	Putative protein kinase CLV1 receptor kinase	ST	0.97	1.9	2.0	At1g71380	Putative beta-glucanase	CW	0.97	1.7	3.5
At5g05140	Putative Protein	UN	0.96	1.9	1.5	At1g74810	Putative anion exchanger	TP	0.97	1.7	1.7
At3g15540	Identical to IAA19	TR	0.95	1.9	1.7	At5g43190	F-box protein family, AtFBX6	UN	0.97	1.7	1.6
At1g03980	putative phytochelatin synthase	UN	0.97	1.9	1.5	At1g33600	Putative disease resistance protein	DF	0.97	1.7	3.9
At2g03730	Putative uridylyl transferase	UN	0.96	1.9	1.5	At4g39770	puative protein various predicted proteins	PM	0.97	1.7	2.2
At5g23130	Unknown protein	UN	0.97	1.9	1.5	At5g17860	potassium-dependent sodium-calcium exchanger - like protein	TP	0.96	1.7	1.5
At1g30790	Hypothetical protein	UN	0.97	1.9	2.7	At5g56230	Putative Protein	UN	0.98	1.7	2.4
At4g30270	xyloglucan endo-14-beta-D-glucanase precursor	CW	0.95	1.9	2.7	At1g60270	Similar to beta-glucosidase	PM	0.97	1.7	1.8
At4g23190	serine/threonine kinase - like protein	ST	0.98	1.9	1.8	At4g36710	SCARECROW-like protein	TR	0.96	1.7	1.6
At5g17680	disease resistance protein RPP1-WsB - like protein	DF	0.95	1.9	1.4	At4g26400	Putative protein RING zinc finger protein	TR	0.95	1.7	1.7
At4g20860	berberine bridge enzyme - like protein	SM	0.96	1.9	2.4	At2g30400	Unknown protein	UN	0.98	1.7	2.2

At1g05710	Unknown protein	UN	0.98	1.7	2.3	At5g50130	ribitol dehydrogenase-like	SM	0.97	1.6	1.9
At1g32170	Similar to endoxyloglucan transferase	CW	0.98	1.7	3.9	At2g19710	Hypothetical protein	UN	0.96	1.6	1.5
At1g64700	Hypothetical protein	UN	0.95	1.7	1.3	At1g76530	Unknown protein	CW	0.97	1.6	2.1
At5g16830	syntaxin homologue	PF	0.95	1.7	1.3	At5g40020	thaumatin-like protein	DF	0.95	1.6	1.9
At1g66880	Putative protein kinase	ST	0.96	1.7	3.6	At1g42990	AtbZIP60, bZIP transcription factor	TR	0.96	1.6	1.7
At1g48120	Similar to serine/threonine phosphatase PP7	PM	0.95	1.7	1.7	At5g55950	Putative Protein	TP	0.95	1.5	1.4
At1g75440	E2ubiquitin-conjugating enzyme 16 (UBC16)	PF	0.97	1.7	1.9	At4g33300	Putative NBS/LRR disease resistance protein (RFL1)	DF	0.97	1.5	2.4
At1g62500	Putative proline-rich cell wall protein	CW	0.96	1.7	1.5	At2g44790	phytocyanin I	EM	0.95	1.5	1.5
At5g41100	Putative Protein	UN	0.97	1.7	2.3	At5g65470	Similarity to auxin-independent growth promoter	CF	0.95	1.5	1.6
At2g17480	Similar to Mlo proteins from <i>H. vulgare</i>	DF	0.96	1.7	1.6	At2g29510	Unknown protein	UN	0.95	1.5	1.4
At4g15810	Hypothetical protein	UN	0.96	1.7	1.5	At2g23000	Putative serine carboxypeptidase I	PF	0.98	1.5	3.0
At2g45680	Putative PCF2-like DNA binding protein	TR	0.96	1.7	2.2	At5g20820	Putative Protein	UN	0.96	1.5	1.7
At4g22370	Hypothetical protein	UN	0.97	1.7	2.4	At1g76040	Similar to calcium-dependent protein kinase	ST	0.96	1.5	1.7
At1g54970	Similar to proline-rich protein	UN	0.97	1.7	1.8	At1g08920	Putative sugar transport proteinERD6	TP	0.95	1.5	1.5
At1g49840	Unknown protein	UN	0.97	1.7	1.7	At3g62420	AtbZIP53, bZIP transcription factor	TR	0.96	1.5	1.7
At4g30200	Putative Protein	UN	0.97	1.7	1.8	At3g52370	Unknown protein	UN	0.95	1.5	1.8
At5g10750	Putative Protein	UN	0.97	1.7	1.9	At5g47730	Putative Protein	PM	0.96	1.5	1.7
At4g25010	MtN3 - like protein MtN3	CF	0.97	1.7	1.8	At2g33460	Unknown protein	UN	0.95	1.5	1.9
At2g06530	Unknown protein	PF	0.95	1.7	1.7	At4g15060	Hypothetical protein	UN	0.95	1.5	11.9
At1g14240	Putative nucleoside triphosphatase	PF	0.95	1.7	1.6	At5g50120	Similarity to GTP-binding regulatory protein and WD-repeat protein	TR	0.97	1.5	2.1
At1g23040	Unknown protein	UN	0.96	1.7	1.5	At5g50335	Putative IAA6 protein	TR	0.97	1.5	2.0
At2g35585	Expressed protein; supported by full-length cDNA	UN	0.95	1.7	9.2	At5g67230	UDP-glucuronyltransferase-like protein	PF	0.95	1.5	2.0
At4g37800	endo-xyloglucan transferase - like protein	CW	0.96	1.7	1.7	At5g02290	serine/threonine-specific protein kinase NAK	ST	0.96	1.5	1.8
At5g14700	cinnamoyl CoA reductase - like protein	CW	0.97	1.7	1.9	At4g08300	Expressed protein; supported by full-length cDNA	UN	0.95	1.5	1.5
At5g06750	protein phosphatase 2C-like	ST	0.95	1.7	1.4	At5g66460	mannan endo-14-beta-mannosidase	CW	0.96	1.5	1.6
At5g18150	Putative Protein	UN	0.95	1.7	2.2	At4g23260	Putative protein receptor protein kinaselpomoea trifida	ST	0.96	1.5	3.1
At2g31090	Unknown protein	UN	0.95	1.7	1.4	At4g08300	nodulin-like protein nodulin gene MtN21	PD	0.97	1.5	2.9
At5g28790	Putative Protein	UN	0.97	1.7	2.1	At2g37540	Putative oxidoreductase	SM	0.96	1.5	1.8
At5g52870	Putative Protein	UN	0.97	1.7	1.7	At1g19300	Unknown protein	PM	0.96	1.5	2.1
At2g39660	Putative protein kinase	ST	0.97	1.6	1.7	At5g64310	arabinogalactan-protein	CW	0.96	1.5	1.6
At2g04820	Putative retroelement pol polyprotein	TE	0.97	1.6	1.8	At1g72430	Hypothetical protein	UN	0.97	1.5	2.8
At2g27310	Unknown protein	UN	0.96	1.6	1.9	At5g18930	S-adenosyl-L-methionine decarboxylase - like protein	SM	0.96	1.5	3.2
At5g14640	protein kinase MSK-3 - like protein	ST	0.97	1.6	1.9	At3g48090	disease resistance protein EDS1	DF	0.98	1.5	3.1
At1g33560	Similar to disease resistance protein RPP1-WsB	DF	0.96	1.6	1.6	At3g56360	Putative Protein	UN	0.96	1.5	1.9
At1g28220	Putative purine permease	UN	0.95	1.6	1.3	At1g74440	Similar to YGL010w-like protein	UN	0.95	1.5	1.8
At1g33260	Putative protein kinase	ST	0.96	1.6	1.8	At2g32800	Putative protein kinase	ST	0.97	1.5	3.2
At1g32610	Hypothetical protein	UN	0.95	1.6	1.4	At2g29340	Putative tropinone reductase	SM	0.97	1.5	2.1
At5g11920	fructosidase - like protein f	PM	0.96	1.6	1.4	At3g07340	unknown protein contains helix-loop-helix DNA binding motif	PM	0.97	1.5	3.2
At4g04610	5-adenylsulfate reductase	PM	0.96	1.6	2.4	At5g52060	Putative Protein	UN	0.96	1.5	1.8
At1g13260	DNA-binding protein RAV1	TR	0.97	1.6	2.0	At3g07700	Unknown protein	ST	0.96	1.5	2.1
At5g65070	MADS box transcription factor-like	TR	0.97	1.6	2.6	At1g70090	Putative glycosyl transferase	UN	0.96	1.5	1.9
At5g62620	Putative Protein	DF	0.96	1.6	1.6	At2g34390	Putative aquaporin (plasma membrane intrinsic protein)	TP	0.96	1.5	2.4
At5g11610	Putative Protein	SM	0.95	1.6	1.6	At2g15670	Unknown protein	UN	0.95	1.5	1.9
At4g08290	nodulin-like protein nodulin gene MtN21	PD	0.95	1.6	1.6	At5g43610	sucrose transporter protein	TP	0.97	1.5	3.3
At5g03760	Putative protein beta-(1-3)-glucosyl transferase	CW	0.96	1.6	1.5	At4g22980	Putative Protein	UN	0.96	1.5	3.0
At2g39360	Putative protein kinase	ST	0.97	1.6	3.0	At3g50770	calmodulin-like protein flagellar calmodulin	ST	0.96	1.5	1.6
At4g11000	Putative Protein	UN	0.98	1.6	3.1	At2g19050	Putative GDSL-motif lipase/hydrolase	PM	0.97	1.4	2.3
At5g22990	Z-C2H2C2H2-type zinc finger protein-like	TR	0.98	1.6	2.4	At1g32870	Putative NAM protein	TR	0.96	1.4	1.7
At4g22710	cytochrome P450 - like protein flavonoid 3 5 -hydroxylase	SM	0.97	1.6	2.6	At4g16515	Expressed protein; supported by full-length cDNA	UN	0.96	1.4	1.8
At5g04860	Unknown protein	UN	0.96	1.6	1.5	At1g63820	Hypothetical protein	TR	0.97	1.4	3.1
At3g15530	Unknown protein	UN	0.96	1.6	1.6	At1g71330	Putative ABC transporter	TP	0.96	1.4	1.9
At2g38060	Putative Na+-dependent inorganic phosphate cotransporter	PM	0.96	1.6	1.8	At3g05580	Putative serine threonine protein phosphatase type I	ST	0.96	1.4	2.1
At3g08490	Hypothetical protein	UN	0.96	1.6	1.9	At4g20370	TWIN SISTER OF FT (TSF) terminal flower1	PD	0.97	1.4	2.1
At3g26970	Similar to geranylgeranylated protein	UN	0.95	1.6	1.6	At4g27350	Putative Protein	UN	0.96	1.4	1.9
At1g67360	Putative stress related protein	UN	0.97	1.6	1.7	At1g21370	Hypothetical protein	UN	0.95	1.4	1.5
At1g73080	Smilar to receptor protein kinase	ST	0.96	1.6	1.7	At2g43320	Hypothetical protein	UN	0.96	1.4	1.7
At1g47485	Expressed protein; supported by full-length cDNA	UN	0.96	1.6	1.6	At2g28350	ARF10unknown protein	TR	0.95	1.4	1.5
At5g46115	Expressed protein; supported by full-length cDNA	UN	0.96	1.6	1.6	At5g52640	heat-shock protein	UN	0.96	1.4	2.2
At4g19230	cytochrome P450	SM	0.97	1.6	1.8	At1g61260	Similar to cotton fiber expressed protein 1	UN	0.96	1.4	1.9
At2g17260	Putative ligand-gated ion channel protein	TP	0.96	1.6	1.6	At5g53970	tyrosine aminotransferase	PM	0.95	1.4	1.6
At5g07240	Putative protein SF16 protein pollen specific	UN	0.97	1.6	1.8	At5g21120	ethylene-insensitive3-like2 (EIL2)	ST	0.96	1.4	1.8
At4g37150	hydroxynitrile lyase like protein	DF	0.95	1.6	1.5	At5g50570	Similarity to squamosa promoter binding protein	TR	0.95	1.4	1.7
At1g15430	Hypothetical protein	UN	0.95	1.6	1.4	At1g52880	NAM-like protein	TR	0.97	1.4	2.2
At1g53560	Hypothetical protein	UN	0.96	1.6	1.6	At5g53830	Putative Protein	UN	0.96	1.4	2.1
At5g54730	Putative Protein	UN	0.96	1.6	1.5	At5g26340	hexose transporter - like protein	TP	0.95	1.4	1.6
At1g70250	Putative receptor serine/threonine kinase PR5	ST	0.96	1.6	1.8	At2g42150	Hypothetical protein	PM	0.96	1.4	1.7
At4g32800	transcription factor TINY homolog	TR	0.95	1.6	3.5	At1g17620	Unknown protein	DF	0.97	1.4	2.3
At4g36030	Putative Protein	UN	0.96	1.6	1.9	At3g28270	Similar to At14a protein	UN	0.97	1.4	6.1
At2g26580	Hypothetical protein	UN	0.96	1.6	1.7	At5g38340	disease resistance - like protein	DF	0.96	1.4	2.0
At2g30680	Hypothetical protein	UN	0.97	1.6	2.2	At5g53370	pectinesterase	CW	0.97	1.4	2.6
At3g62040	Hypothetical protein	PD	0.96	1.6	1.7	At1g68410	Putative protein phosphatase-2C	ST	0.96	1.4	1.7
At5g11260	AtbZIP56, identical to HY5 protein	TR	0.96	1.6	1.6	At1g73330	Dr4(protease inhibitor) identical to Dr4	UN	0.97	1.4	3.3
At4g22820	predicted protein PVPR3	TR	0.96	1.6	1.5	At3g53810	serine/threonine-specific kinase like protein	ST	0.96	1.4	2.0
At2g07687	Hypothetical protein	UN	0.97	1.6	1.9	At5g05960	Putative Protein	UN	0.96	1.4	2.3
At4g15530	pyruvateorthophosphate dikinase	EM	0.98	1.6	3.8	At1g68630	Hypothetical protein	UN	0.95	1.4	2.2
At1g30020	Unknown protein	UN	0.97	1.6	2.1	At5g52710	Unknown protein	UN	0.97	1.4	2.6
At4g35060	Putative Protein	PF	0.97	1.6	2.0	At1g14190	Putative mandelonitrile lyase	UN	0.95	1.4	1.8
At4g24260	endo-14-beta-glucanase like protein	CW	0.95	1.6	1.6	At1g78500	Similar to beta-Amyrin Synthase	SM	0.97	1.4	2.6
At3g18690	Hypothetical protein	UN	0.96	1.6	1.7	At5g24150	squalene monooxygenase	SM	0.96	1.4	2.0
At2g21320	Putative CONSTANS-like B-box zinc finger protein	TR	0.96	1.6	1.6	At2g24550	Unknown protein	UN	0.96	1.4	2.2

At3g48460	lipase – like protein	PM	0.97	1.4	2.3	At5g20440	Putative mitosis and maintenance of ploidy protein	CC	0.96	1.3	2.5
At3g02830	zinc finger protein 1 (zfn1)	TR	0.95	1.4	1.7	At1g55180	Similar to phospholipase D alpha	PM	0.96	1.3	2.4
At5g48560	Putative Protein	TR	0.96	1.4	3.4	At1g44100	amino acid permease	TP	0.96	1.3	2.7
At4g30210	NADPH–ferrihemoprotein reductase (ATR2)	SM	0.97	1.4	2.3	At3g44630	disease resistance protein homolog	DF	0.95	1.3	2.6
At5g51440	mitochondrial heat shock 22 kd protein–like	UN	0.96	1.4	1.8	At5g61900	copine – like protein	CT	0.96	1.3	2.3
At4g31550	AtWRKY11, putative DNA–binding protein	TR	0.96	1.4	1.8	At5g25120	cytochrome P450–like protein	SM	0.96	1.3	2.3
At4g37760	squalene epoxidase – like protein s	SM	0.96	1.4	2.1	At1g07610	metallothionein–like protein	DF	0.95	1.3	2.1
At3g02550	Unknown protein	UN	0.96	1.4	2.0	At1g22280	Similar to protein phosphatase type 2C	ST	0.95	1.3	1.9
At5g24120	sigma–like factor (emb CAA77213.1)	TR	0.96	1.4	2.5	At2g07741	predicted protein	UN	0.95	1.3	1.9
At2g36790	Putative glucosyl transferase	CW	0.96	1.4	2.7	At2g20560	Putative heat shock protein	DF	0.96	1.3	2.6
At1g30840	Hypothetical protein	UN	0.96	1.4	2.1	At3g28680	Hypothetical protein	UN	0.95	1.3	2.2
At3g23030	auxin–inducible gene (IAA2)	TR	0.97	1.4	2.3	At5g44920	Similarity to disease resistance protein	DF	0.95	1.3	2.0
At4g05620	Putative Protein	UN	0.95	1.4	1.6	At1g72460	Putative receptor–like protein kinase	ST	0.95	1.3	1.8
At2g46440	Putative cyclic nucleotide–regulated ion channel protein	TP	0.96	1.4	2.2	At4g16860	disease resistance RPP5 like protein	DF	0.96	1.3	2.5
At5g25640	Putative Protein	UN	0.97	1.4	2.3	At1g35260	Similar to ripening–induced protein	DF	0.96	1.3	2.0
At1g20180	Hypothetical protein	UN	0.95	1.4	4.1	At1g24530	Hypothetical protein	PM	0.96	1.3	2.4
At2g23690	Unknown protein	UN	0.96	1.4	2.0	At4g17090	Putative beta–amylase	PM	0.96	1.3	2.5
At1g65060	4–coumarate:CoA ligase 3	SM	0.96	1.4	1.8	At1g55910	Expressed protein; supported by full–length cDNA	TP	0.95	1.3	1.9
At4g29230	Putative Protein	PD	0.97	1.4	2.4	At4g32770	Putative Protein	UN	0.95	1.3	1.9
At5g61010	Putative protein leucine zipper–containing protein	TR	0.95	1.4	3.0	At5g42140	TMV resistance protein–like	DF	0.95	1.3	1.8
At1g48320	Hypothetical protein	UN	0.97	1.4	2.9	At2g19310	Putative small heat shock protein	DF	0.95	1.3	2.6
At5g58500	Putative Protein	UN	0.96	1.4	1.9	At2g21185	Expressed protein; supported by full–length cDNA	UN	0.95	1.3	2.0
At5g09760	pectin methylesterase – like protein	CW	0.96	1.4	2.0	At4g36110	Putative auxin–induced protein	TR	0.95	1.3	1.8
At5g44670	Putative Protein	UN	0.96	1.4	2.0	At5g53030	Putative Protein	TR	0.95	1.2	2.0
At1g14390	Putative receptor–like protein kinase	ST	0.96	1.3	2.9	At1g22710	Putative sucrose transport protein, SUC2	TP	0.96	1.2	2.4
At2g02450	NAM (no apical meristem)–like protein	TR	0.97	1.3	3.6	At4g19530	TMV resistance protein N – like	DF	0.96	1.2	2.9
At5g64170	Putative Protein	UN	0.95	1.3	1.7	At2g46530	ARF11, putative ARF1 family auxin responsive transcription factor	TR	0.95	1.2	1.9
At1g63550	Unknown protein	ST	0.97	1.3	2.8	At1g65860	Putative flavin–containing monooxygenase FMO3	PM	0.96	1.2	2.6
At3g10420	Unknown protein	UN	0.95	1.3	1.7	At4g13420	potassium transporter – like protein	TP	0.95	1.2	2.0
At3g07450	Putative 5B–anther specific protein	UN	0.96	1.3	2.5	At3g09960	Unknown protein	ST	0.95	1.2	2.2
At5g44070	phytochelatin synthase	DF	0.96	1.3	2.2	At4g13510	ammonium transport protein (AMT1)	TP	0.96	1.2	2.9
At5g35060	Putative Protein	UN	0.95	1.3	2.0	At2g29330	Putative tropinone reductase	SM	0.95	1.2	4.9
At5g42760	Putative Protein	UN	0.96	1.3	2.6	At1g65450	Hypothetical protein	SM	0.95	1.2	2.5
At5g38990	protein kinase – like protein	ST	0.96	1.3	2.0	At1g27940	Putative P–glycoprotein	TP	0.96	1.2	2.9

a, Arabidopsis Gene Index (AGI) number.

b, Functional classification using MIPS (http://mips.gsf.de/proj/thal/db/tables/tables_func_frame.html); TR, Transcriptional Regulation; ST, Signal Transduction; CW, Cell Wall; TP, Transport Facilitation; DF, Defense; PM, Primary Metabolism; SM, Secondary Metabolism; PS, Protein Synthesis; EM, Energy Metabolism; PF, Protein Fate; CF, Cell Fate, CT, Cellular Transport, CC, Cell Cycle; TE, Transposable Element; UN, unclassified.

c, Correlation coefficient (similarity of expression pattern) calculated by GeneSpring 4.2.1 program (Silicon Genetics, Redwood City, CA).

d, Fold change of gene expression signals over control; (weight treatment / control)

e, Fold change of gene expression signals over immature; (intermediate stage / immature stage)