

**Table S1. Primers used for gene isolation, expression vector confirmation and real-time PCR in this study.**

Primer name	Primer		Reverse primer
BnGRF2aRTf	5'-AAGCTCGAAGCTAGCTAGA-3'	BnGRF2aRTr	5'-CAATAAGGAGGTGGAAGCT-3'
BnGRF2bRTf	5'-TCTGAAAGAAGACAGATCCG-3'	BnGRF2bRTr	5'-CACAAATATTGAGGTGGGAAC-3'
BnGRF2aF	5'-ATGGATCTTGGGTCGGTAACT-3'	BnGRF2aR	5'-TCAGGTTGTGTAATGAAAGTA-3'
BnGRF2bF	5'-ATGGATACTGGGACTCATGT-3'	BnGRF2bR	5'-TCAGGTAGTGTAACGGAAGT-3'
Bnactin2F	5'-TGTCGCTATCCAAGCTGTTCT-3'	Bnactin2R	5'-ACCTTGCTGGACTTGACCT-3'
Bnactin3F	5'-ATGGCCGATGGTGAGGACATTC-3'	Bnactin3R	5'-GGTGCACCACCTTGATCTTC-3'
Atactin1F	5'-CCATGAAACCACCTATAACTCC-3'	Atactin1R	5'-TACTCTGCCTTTGCGATCCAC-3'
AtUBQ10F	5'-GGCCTTGATAATCCCTGATGAATAA G-3'	AtUBQ10R	5'-AAAGAGATAACAGGAACGGAAACATA GT-3'
AtGRF2RTf	5'-AGCAATGCCCGTGCATCAAG-3'	AtGRF2RTr	5'-AGAATTGTGATTGTGATTCC-3'
BnGRF2aSmaI	5'-TAGCC <u>CCGGG</u> GATGGATCTTGGGTCGG TAACT -3'	BnGRF2aBamHI	5'-GTCAG <u>GATCC</u> TCAGGTTGTGTAATGAA AGTA -3'
at4g26890qRT-F	5'-AGCTTACTTGATTGGGATACGGA-3'	at4g26891qRT-R	5'-TTCTTTATGTTTCTCGCCTCT-3'
at5g25380qRT-F	5'-GCGGTGCTCAAGGATGTGACTA-3'	at5g25381qRT-R	5'-CGCCATCCACATCTACCAAA-3'
at2g05100qRT-F	5'-CTATGTTGGGTGCTCTCGGATGC-3'	at2g05100qRT-R	5'-CGCGTGGATCAAGTTAGGGTT-3'
at5g54190qRT-F	5'-TGACGAAGTCGGGAGTGATTG-3'	at5g54191qRT-R	5'-TCGCTGACTTCCCAAACCTCTACG-3'
at4g01950qRT-F	5'-CGGGAGAGAAATGAAAGTCGT-3'	at4g01951qRT-R	5'-TGAAGGAAGTGATGCCAATAACA-3'
at5g56100qRT-F	5'-GTGGCCGAGAGATTGGTAT-3'	at5g56101qRT-R	5'-AAGAAGAAGAGTAATCCCGAGAA-3'
M13	5'-GACGTTGTAACGACGGCC-3'		
pCaMVp	5'-CCACGTCTTCAAAGCAAGTGGATTGATG-3'		
NapinP	5'-GCATGCATTATTACACGTGATC -3'		
AD1	5'-NGTCGASWGANAWGAA-3'		
AD2	5'-TGWGNAGSANCASAGA-3'		
LBR1	5'-TCCGGTCCTGCCCGTCAC-3'		
LBR2	5'-TGGCAGCTGGACTTCAGC-3'		
LBR3	5'-AACTGGCATGACGTGGGT-3'		

**Table S6. Phenotype comparisons between transgenic *Arabidopsis* lines overexpressing *BnGRF2a* and *AtGRF*.**

Transgenic line	Leaf area	Cell number	Chlorophyll content	Fertility	Photosynthetic efficiency	Seed size
35S- <i>AtGRF1</i>	Increase	No change	No phenotype	Partially sterile (early stage)	No phenotype	No data
35S- <i>AtGRF2</i>	Increase	No change	No phenotype	Partially sterile (early stage)	No phenotype	No data
35S- <i>AtGRF5</i>	Increase	Increase	No phenotype	No data	No phenotype	No data
35S- <i>BnGRF2a</i>	Increase	Increase	Increase	Nearly sterile (all stages)	Increase	Increase
Napin- <i>BnGRF2a</i>	Increase	Increase	Increase	No change	No data	Increase

Note: *AtGRF* transgenic data come from Kim *et al.*, 2003, Horiguchi *et al.*, 2005 and Liu *et al.*, 2009.

**Table S5. Upregulated genes that were thought to be involved in possible BnGRF2-regulated pathways.**

ProbeName	Common name	Log2 Ratio	Description
A_84_P825596	AT1G15570.1	0.750728	CYCA2;3 (CYCLIN A2;3); cyclin-dependent protein kinase regulator
A_84_P860518	AT1G69710.1	1.015471	zinc finger protein, putative / regulator of chromosome condensation (RCC1) family protein
A_84_P17338	AT2G44740.1	0.863449	CYCP4;1 (cyclin p4;1); cyclin-dependent protein kinase
A_84_P11833	AT3G53830.1	0.690052	regulator of chromosome condensation (RCC1) family protein / UVB-resistance protein-related
A_84_P13779	AT4G03270.1	0.798016	CYCD6;1 (CYCLIN D6;1); cyclin-dependent protein kinase
A_84_P21415	AT4G26890.1	0.910722	MAPKKK16 (Mitogen-activated protein kinase kinase kinase 16); kinase
A_84_P550382	AT5G10440.1	0.807957	CYCD4;2 (CYCLIN D4;2); cyclin-dependent protein kinase
A_84_P21554	AT5G25380.1	1.37182	CYCA2;1 (CYCLIN A2;1); cyclin-dependent protein kinase regulator
A_84_P14940	AT5G27620.1	0.847274	CYCH;1 (CYCLIN H;1); cyclin-dependent protein kinase/ protein binding / protein kinase
A_84_P856356	AT5G40770.1	0.680897	ATPHB3 (PROHIBITIN 3)
A_84_P809013	AT1G15820.1	0.690442	LHCB6 (LIGHT HARVESTING COMPLEX PSII); chlorophyll binding
A_84_P862462	AT1G20780.1	0.711939	armadillo/beta-catenin repeat protein-related / U-box domain-containing protein
A_84_P21874	AT1G27730.1	2.457069	STZ (SALT TOLERANCE ZINC FINGER); nucleic acid binding / transcription factor/ zinc ion binding
A_84_P271630	AT1G44446.1	0.746487	CH1 (CHLOROPHYLL B BIOSYNTHESIS); chlorophyllide a oxygenase
A_84_P855512	AT1G68190.1	0.712121	zinc finger (B-box type) family protein
A_84_P808697	AT2G05100.1	0.852797	LHCB2.1 (Photosystem II light harvesting complex gene 2.1); chlorophyll binding
A_84_P22960	AT2G28000.1	0.665835	CPN60A (chloroplast / 60 kDa chaperonin alpha subunit)
A_84_P230129	AT3G09490.1	0.736507	chloroplast lumen common family protein
A_84_P24021	AT3G27690.1	0.671453	LHCB2:4 (Photosystem II light harvesting complex gene 2.3)
A_84_P810430	AT3G47470.1	0.76786	LHCA4 (Photosystem I light harvesting complex gene 4)
A_84_P573310	AT4G01330.1	0.988501	protein kinase family protein
A_84_P267250	AT5G44190.1	1.156973	GLK2 (GOLDEN2-LIKE 2)
A_84_P119582	AT5G48490.1	1.338158	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P11230	AT5G54190.1	1.315727	PORA (Protochlorophyllide reductase A); oxidoreductase/ protochlorophyllide reductase
A_84_P806987	AT5G54270.1	0.925211	LHCB3 (LIGHT-HARVESTING CHLOROPHYLL BINDING PROTEIN 3)
A_84_P14934	AT1G01120.1	0.931092	KCS1 (3-KETOACYL-COA SYNTHASE 1); acyltransferase
A_84_P203538	AT2G15090.1	1.797872	fatty acid elongase, putative
A_84_P19135	AT2G28630.1	0.919017	beta-ketoacyl-CoA synthase family protein
A_84_P75894	AT2G46720.1	0.738909	HIC (HIGH CARBON DIOXIDE); acyltransferase
A_84_P296254	AT3G10280.1	0.632245	fatty acid elongase 3-ketoacyl-CoA synthase, putative
A_84_P229609	AT4G01950.1	1.493723	ATGPAT3/GPAT3 (GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE 3); acyltransferase
A_84_P229479	AT4G22753.1	0.649994	SMO1-3 (STEROL 4-ALPHA METHYL OXIDASE); catalytic
A_84_P764257	AT4G33110.1	0.620644	coclaurine N-methyltransferase, putative
A_84_P826409	AT4G34250.1	1.385045	fatty acid elongase, putative

A_84_P10151	AT5G04530.1	1.931044	beta-ketoacyl-CoA synthase family protein
A_84_P12056	AT5G08030.1	1.670342	glycerophosphoryl diester phosphodiesterase family protein
A_84_P14951	AT5G38020.1	0.767777	S-adenosyl-L-methionine:carboxyl methyltransferase family protein
A_84_P155535	AT5G56100.1	1.00557	glycine-rich protein / oleosin
A_84_P11260	AT5G61610.1	2.255993	glycine-rich protein / oleosin

**Log2 Ratio means 35S-BnGRF2a-2 transgenic line vs WT**

**Table S4. Transcription factors involved in differentially expressed genes between the leaf of 35S-*BnGRF2a-2* and WT control plants.**

ProbeName	Log2 Ratio	Common name	Gene discription
A_84_P98456	-0.7324572	AT1G01030.1	ABI3/VP1-related B3-domain-containing transcription factor family
A_84_P17366	-1.3088197	AT1G01250.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P14314	-0.9196811	AT1G01380.1	MYB-related transcription factor family
A_84_P838948	-1.7153369	AT1G01520.1	MYB-related transcription factor family
A_84_P20862	-0.8390284	AT1G02030.1	C2H2 zinc finger family
A_84_P146938	1.9485674	AT1G02450.1	unclassified
A_84_P23651	0.75433636	AT1G03840.1	C2H2 zinc finger family
A_84_P17577	-1.462693	AT1G06180.1	MYB domain transcription factor family
A_84_P826004	0.7115402	AT1G07000.1	unclassified
A_84_P22050	-0.6866264	AT1G07590.1	putative transcription regulator
A_84_P65284	-0.7578887	AT1G07900.1	AS2,Lateral Organ Boundaries Gene Family
A_84_P850940	0.8189573	AT1G08465.1	C2C2(Zn) YABBY family
A_84_P820734	-1.1306056	AT1G09250.1	bHLH,Basic Helix-Loop-Helix family
A_84_P237173	-2.0852275	AT1G10585.1	bHLH,Basic Helix-Loop-Helix family
A_84_P198594	-0.8599663	AT1G11850.1	Trihelix, Triple-Helix transcription factor family
A_84_P16247	1.9637178	AT1G12610.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P20018	1.3884139	AT1G12630.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P13235	3.1324494	AT1G13260.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P23806	0.8536634	AT1G13600.1	bZIP transcription factor family
A_84_P786186	0.6357136	AT1G14580.1	C2H2 zinc finger family
A_84_P18064	-0.6409426	AT1G15580.1	Aux/IAA family
A_84_P10498	0.6116171	AT1G16060.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P784921	-0.6538001	AT1G16490.1	MYB domain transcription factor family
A_84_P15294	0.8271741	AT1G17920.1	HB,Homeobox transcription factor family
A_84_P19074	1.6441717	AT1G18570.1	MYB domain transcription factor family
A_84_P13338	1.588411	AT1G18710.1	MYB domain transcription factor family
A_84_P21477	0.74329	AT1G19340.1	putative transcription regulator
A_84_P794100	-1.3196416	AT1G19490.1	bZIP transcription factor family

A_84_P751557	-0.8807203	AT1G19560.1	unclassified
A_84_P19080	-0.8336982	AT1G19700.1	HB,Homeobox transcription factor family
A_84_P21822	-0.8379622	AT1G21000.1	unclassified
A_84_P20470	2.0604105	AT1G21910.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P19082	1.716689	AT1G22190.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P832924	0.65253264	AT1G23280.1	unclassified
A_84_P21919	0.6554154	AT1G25440.1	C2C2(Zn) CO-like, Constans-like zinc finger family
A_84_P846870	0.6798677	AT1G25550.1	G2-like transcription factor family, GARP
A_84_P17189	3.5003254	AT1G25560.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P833445	-0.9305745	AT1G26790.1	C2C2(Zn) DOF zinc finger family
A_84_P836321	-1.1020217	AT1G27050.1	HB,Homeobox transcription factor family
A_84_P21874	2.4570694	AT1G27730.1	C2H2 zinc finger family
A_84_P11932	1.0061965	AT1G29160.1	C2C2(Zn) DOF zinc finger family
A_84_P21614	-1.4701095	AT1G29600.1	C2H2 zinc finger family
A_84_P23778	0.84310246	AT1G29940.1	transcription
A_84_P15840	-0.8369741	AT1G31290.1	Argonaute
A_84_P21517	-2.116079	AT1G31310.1	Trihelix, Triple-Helix transcription factor family
A_84_P15323	-0.8302432	AT1G32240.1	G2-like transcription factor family, GARP
A_84_P11450	-1.0748615	AT1G32870.1	NAC domain transcription factor family
A_84_P804411	0.66165817	AT1G33240.1	Trihelix, Triple-Helix transcription factor family
A_84_P753654	-0.6677084	AT1G35516.1	MYB-related transcription factor family
A_84_P19239	0.61185837	AT1G44830.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P786987	-0.8944653	AT1G46768.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P18069	0.84596056	AT1G49130.1	C2C2(Zn) CO-like, Constans-like zinc finger family
A_84_P20994	0.6621456	AT1G51950.1	Aux/IAA family
A_84_P13379	1.193903	AT1G52830.1	Aux/IAA family
A_84_P825052	-0.9854897	AT1G53170.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P12478	-0.8140259	AT1G54260.1	MYB domain transcription factor family
A_84_P804725	0.85647005	AT1G56110.1	putative transcription regulator
A_84_P790287	-0.6772157	AT1G61215.1	Bromodomain proteins
A_84_P572033	0.6648458	AT1G61970.1	unclassified
A_84_P525034	2.181014	AT1G62975.1	bHLH,Basic Helix-Loop-Helix family

A_84_P23752	0.8028373	AT1G63650.1	bHLH,Basic Helix-Loop-Helix family
A_84_P242895	1.8225211	AT1G66160.1	PHOR1
A_84_P87559	1.9202675	AT1G66500.1	unclassified
A_84_P16207	-1.3816837	AT1G68360.1	C2H2 zinc finger family
A_84_P23779	2.5100224	AT1G68520.1	C2C2(Zn) CO-like, Constans-like zinc finger family
A_84_P824210	0.7814207	AT1G68580.2	putative transcription regulator
A_84_P859685	-0.8619219	AT1G68670.1	G2-like transcription factor family, GARP
A_84_P750390	-0.8616721	AT1G68800.1	TCP transcription factor family
A_84_P19990	0.66341215	AT1G68810.1	bHLH,Basic Helix-Loop-Helix family
A_84_P821416	2.5664825	AT1G68840.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P257810	-0.7508593	AT1G69310.1	WRKY domain transcription factor family
A_84_P16248	0.8077745	AT1G70920.1	HB,Homeobox transcription factor family
A_84_P12444	1.9220775	AT1G71030.1	MYB-related transcription factor family
A_84_P216728	-1.1322985	AT1G71130.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P21584	0.8965006	AT1G72210.1	bHLH,Basic Helix-Loop-Helix family
A_84_P14290	0.61281	AT1G72440.1	CCAAT box binding factor family, DR1
A_84_P22810	1.3122834	AT1G73830.1	bHLH,Basic Helix-Loop-Helix family
A_84_P235073	-0.9043303	AT1G73870.1	C2C2(Zn) CO-like, Constans-like zinc finger family
A_84_P13376	0.62947613	AT1G74430.1	MYB domain transcription factor family
A_84_P19028	4.3653283	AT1G74930.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P750006	-1.0340992	AT1G75250.1	MYB-related transcription factor family
A_84_P817969	0.6487012	AT1G75390.2	bZIP transcription factor family
A_84_P19196	0.7551984	AT1G75490.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P154615	-1.4911317	AT1G76590.1	unclassified
A_84_P22740	1.2406311	AT1G77200.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P512655	2.60004	AT1G77640.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P10582	0.73020935	AT1G78600.1	C2C2(Zn) CO-like, Constans-like zinc finger family
A_84_P21850	-1.0067806	AT1G79700.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P11458	0.69910824	AT1G80270.1	putative transcription regulator
A_84_P17047	0.9414592	AT1G80730.1	C2H2 zinc finger family
A_84_P786760	3.0279534	AT1G80840.1	WRKY domain transcription factor family
A_84_P12545	0.73058885	AT2G01940.1	C2H2 zinc finger family

A_84_P533968	0.97478384	AT2G02540.1	zf-HD
A_84_P15449	-0.8875541	AT2G03500.1	G2-like transcription factor family, GARP
A_84_P16304	-1.1229306	AT2G16720.1	MYB domain transcription factor family
A_84_P757492	-0.589779	AT2G17150.2	NIN-like bZIP-related family
A_84_P79415	1.0634412	AT2G18300.1	bHLH,Basic Helix-Loop-Helix family
A_84_P137499	1.125701	AT2G20180.1	bHLH,Basic Helix-Loop-Helix family
A_84_P10627	-2.0181231	AT2G20880.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P21970	-1.5147219	AT2G22200.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P22932	1.1597509	AT2G22770.1	bHLH,Basic Helix-Loop-Helix family
A_84_P22073	-0.8453786	AT2G22800.1	HB,Homeobox transcription factor family
A_84_P15371	1.6631156	AT2G23290.1	MYB domain transcription factor family
A_84_P826703	-0.7389078	AT2G23340.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P16367	0.7124548	AT2G24120.1	transcription
A_84_P560603	2.9545107	AT2G24700.1	B3 transcription factor family
A_84_P800742	0.9727713	AT2G25900.1	C3H zinc finger family
A_84_P67324	-1.0694293	AT2G25930.1	ELF3
A_84_P19231	0.950633	AT2G26150.1	HSF,Heat-shock transcription factor family
A_84_P785044	0.71498203	AT2G27840.1	HDA
A_84_P12501	-1.4334364	AT2G28200.1	C2H2 zinc finger family
A_84_P12522	-0.6657577	AT2G28710.1	C2H2 zinc finger family
A_84_P23859	1.219042	AT2G30250.1	WRKY domain transcription factor family
A_84_P820717	-0.6743507	AT2G33480.2	NAC domain transcription factor family
A_84_P525172	-1.8928661	AT2G33720.1	ABI3/VP1-related B3-domain-containing transcription factor family
A_84_P98726	0.95735365	AT2G34620.1	unclassified
A_84_P53500	1.2917018	AT2G35310.1	B3 transcription factor family
A_84_P186194	-1.4984293	AT2G35640.1	Trihelix, Triple-Helix transcription factor family
A_84_P89769	0.64964586	AT2G35930.1	PHOR1
A_84_P848800	-0.6703906	AT2G35940.1	HB,Homeobox transcription factor family
A_84_P505670	0.7481695	AT2G36080.1	ABI3/VP1-related B3-domain-containing transcription factor family
A_84_P265480	0.85882944	AT2G36400.1	General Transcription
A_84_P790617	0.8249396	AT2G37590.1	C2C2(Zn) DOF zinc finger family
A_84_P832965	-0.9845868	AT2G38300.1	G2-like transcription factor family, GARP



A_84_P17326	1.3018245	AT2G38470.1	WRKY domain transcription factor family
A_84_P857301	0.68133545	AT2G40140.1	C3H zinc finger family
A_84_P609600	-1.5718937	AT2G40200.1	bHLH,Basic Helix-Loop-Helix family
A_84_P21088	-1.0773716	AT2G40670.1	ARR
A_84_P51550	0.9457083	AT2G40750.1	WRKY domain transcription factor family
A_84_P14429	-0.7233552	AT2G41340.1	transcription
A_84_P21003	-0.7079487	AT2G41900.1	C3H zinc finger family
A_84_P581112	-1.0372223	AT2G42150.1	Bromodomain proteins
A_84_P55980	-0.6655456	AT2G42280.1	bHLH,Basic Helix-Loop-Helix family
A_84_P786936	0.94588953	AT2G42300.1	bHLH,Basic Helix-Loop-Helix family
A_84_P22972	1.37499	AT2G42980.1	unclassified
A_84_P81529	-0.9111033	AT2G43060.1	unclassified
A_84_P19235	0.824047	AT2G44910.1	HB,Homeobox transcription factor family
A_84_P12573	-1.079153	AT2G44940.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P788026	2.195382	AT2G45480.1	General Transcription
A_84_P22009	-0.6995163	AT2G45660.1	MADS box transcription factor family
A_84_P19130	-0.9459726	AT2G46270.1	bZIP transcription factor family
A_84_P19210	1.0103959	AT2G46400.1	WRKY domain transcription factor family
A_84_P581126	-1.0837002	AT2G46670.1	unclassified
A_84_P10659	-0.5928631	AT2G46680.1	HB,Homeobox transcription factor family
A_84_P126821	-1.0865116	AT2G46790.1	Psudo ARR transcription factor family
A_84_P23970	0.79676443	AT2G46870.1	ABI3/VP1-related B3-domain-containing transcription factor family
A_84_P521683	-1.4495002	AT2G46970.1	bHLH,Basic Helix-Loop-Helix family
A_84_P19141	-1.9400859	AT2G47460.1	MYB domain transcription factor family
A_84_P824668	-0.9989223	AT3G01140.1	MYB domain transcription factor family
A_84_P821989	-0.7157875	AT3G01560.1	Trihelix, Triple-Helix transcription factor family
A_84_P14529	-1.1019405	AT3G01970.1	WRKY domain transcription factor family
A_84_P22105	-0.8627845	AT3G04030.1	MYB domain transcription factor family
A_84_P10735	0.8631135	AT3G05060.1	putative transcription regulator
A_84_P90109	-1.5120068	AT3G05800.1	bHLH,Basic Helix-Loop-Helix family
A_84_P11699	-0.7218877	AT3G06410.1	unclassified
A_84_P13573	-0.9687448	AT3G07650.1	C2C2(Zn) CO-like, Constans-like zinc finger family

A_84_P52560	1.5667824	AT3G13000.1	NAC domain transcription factor family
A_84_P111702	0.65412515	AT3G13940.1	General Transcription
A_84_P225239	0.599638	AT3G13960.1	General Transcription
A_84_P14556	0.89331996	AT3G15540.1	Aux/IAA family
A_84_P201258	-1.4220657	AT3G16280.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P18338	-0.9861593	AT3G16770.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P830631	-0.7165795	AT3G16940.1	AtSR Transcription Factor family
A_84_P87549	-0.7381715	AT3G17609.1	bZIP transcription factor family
A_84_P21177	-0.8626221	AT3G17611.1	unclassified
A_84_P797883	-0.8793392	AT3G18290.1	C2H2 zinc finger family
A_84_P21219	1.0300092	AT3G19580.1	C2H2 zinc finger family
A_84_P244235	-1.2578197	AT3G20810.1	JUMONJI family
A_84_P16492	-1.7788582	AT3G21150.1	C2C2(Zn) CO-like, Constans-like zinc finger family
A_84_P23101	-1.8866882	AT3G21890.1	C2C2(Zn) CO-like, Constans-like zinc finger family
A_84_P519526	-0.8068499	AT3G22100.1	bHLH,Basic Helix-Loop-Helix family
A_84_P51800	-0.7429649	AT3G23210.1	bHLH,Basic Helix-Loop-Helix family
A_84_P22140	2.1218295	AT3G23250.1	MYB domain transcription factor family
A_84_P517340	-0.8153333	AT3G24140.1	bHLH,Basic Helix-Loop-Helix family
A_84_P11760	1.0092716	AT3G24340.1	Chromatin Remodeling Factors
A_84_P827833	-0.9395255	AT3G24520.1	HSF,Heat-shock transcription factor family
A_84_P565178	1.1599284	AT3G25882.1	unclassified
A_84_P760208	1.2736251	AT3G26620.1	AS2,Lateral Organ Boundaries Gene Family
A_84_P826638	-2.4514372	AT3G26790.1	ABI3/VP1-related B3-domain-containing transcription factor family
A_84_P138519	-0.8951349	AT3G27220.1	MYB domain transcription factor family
A_84_P222339	-0.6296667	AT3G27940.1	AS2,Lateral Organ Boundaries Gene Family
A_84_P22181	1.1905236	AT3G28210.1	C2H2 zinc finger family
A_84_P11762	1.0471201	AT3G28910.1	MYB domain transcription factor family
A_84_P160413	0.72451305	AT3G44750.1	HDA
A_84_P23142	2.2231185	AT3G45260.1	C2H2 zinc finger family
A_84_P18416	2.5802794	AT3G46080.1	C2H2 zinc finger family
A_84_P19362	2.3762727	AT3G46090.1	C2H2 zinc finger family
A_84_P218028	-1.7439508	AT3G47640.1	bHLH,Basic Helix-Loop-Helix family

A_84_P13699	1.1286794	AT3G48550.1	unclassified
A_84_P12758	0.7504	AT3G49410.1	putative transcription regulator
A_84_P20325	2.4250352	AT3G50060.1	MYB domain transcription factor family
A_84_P544867	-0.871586	AT3G50510.1	AS2,Lateral Organ Boundaries Gene Family
A_84_P826034	2.2191477	AT3G52450.1	PHOR1
A_84_P760097	-0.7406188	AT3G52910.1	GRF zinc finger family
A_84_P177804	0.9911041	AT3G54460.1	Chromatin Remodeling Factors
A_84_P813219	1.467391	AT3G54810.1	C2C2(Zn) GATA transcription factor family
A_84_P12783	-0.8169217	AT3G54990.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P13733	1.9551038	AT3G55980.1	C3H zinc finger family
A_84_P14680	-1.094839	AT3G56380.1	ARR
A_84_P16571	1.1506643	AT3G56400.1	WRKY domain transcription factor family
A_84_P21302	0.9354092	AT3G56660.1	bZIP transcription factor family
A_84_P17519	0.6104708	AT3G57040.1	ARR
A_84_P20359	-1.0271964	AT3G57540.1	putative transcription regulator
A_84_P22252	0.846263	AT3G57660.1	transcription
A_84_P23199	-0.7548409	AT3G58070.1	C2H2 zinc finger family
A_84_P10906	2.4860492	AT3G58120.1	bZIP transcription factor family
A_84_P15635	2.0385294	AT3G59080.1	unclassified
A_84_P13751	-1.2161517	AT3G60490.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P24157	-1.1944641	AT3G61250.1	MYB domain transcription factor family
A_84_P24159	0.81814194	AT3G61820.1	unclassified
A_84_P15646	-1.4057837	AT3G61890.1	HB,Homeobox transcription factor family
A_84_P90919	1.7417011	AT3G61950.1	bHLH,Basic Helix-Loop-Helix family
A_84_P20376	1.4220676	AT3G61970.1	ABI3/VP1-related B3-domain-containing transcription factor family
A_84_P860907	0.97375673	AT3G62420.1	bZIP transcription factor family
A_84_P254310	-0.6568756	AT4G00270.1	GeBP like
A_84_P16606	1.2348233	AT4G01250.1	WRKY domain transcription factor family
A_84_P823176	-0.6957911	AT4G01280.1	MYB-related transcription factor family
A_84_P828934	0.6604606	AT4G01460.1	bHLH,Basic Helix-Loop-Helix family
A_84_P10002	1.4208791	AT4G04810.1	putative transcription regulator
A_84_P785527	0.7278604	AT4G04830.1	putative transcription regulator

A_84_P10949	-1.9955525	AT4G05100.1	MYB domain transcription factor family
A_84_P789539	-1.6423926	AT4G06746.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P18522	2.5467486	AT4G09820.1	bHLH,Basic Helix-Loop-Helix family
A_84_P23363	0.6018391	AT4G14550.1	Aux/IAA family
A_84_P10124	1.1063899	AT4G14560.1	Aux/IAA family
A_84_P275810	-0.6458073	AT4G16610.1	C2H2 zinc finger family
A_84_P12969	0.60772514	AT4G17230.1	GRAS transcription factor family
A_84_P19589	0.82991993	AT4G17460.1	HB,Homeobox transcription factor family
A_84_P19485	-0.8446896	AT4G17880.1	bHLH,Basic Helix-Loop-Helix family
A_84_P22337	-2.203146	AT4G21440.1	MYB domain transcription factor family
A_84_P17613	-0.9547306	AT4G22950.1	MADS box transcription factor family
A_84_P20453	0.78853214	AT4G23540.1	unclassified
A_84_P23291	0.6886278	AT4G23550.1	WRKY domain transcription factor family
A_84_P763290	2.0501375	AT4G23810.1	WRKY domain transcription factor family
A_84_P10055	-0.7421444	AT4G24240.1	WRKY domain transcription factor family
A_84_P19516	2.9988449	AT4G25470.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P23301	0.650424	AT4G25730.1	putative transcription regulator
A_84_P11955	-1.8586265	AT4G26150.1	C2C2(Zn) GATA transcription factor family
A_84_P15749	0.72555536	AT4G29030.1	Trihelix, Triple-Helix transcription factor family
A_84_P141109	-1.6285233	AT4G30410.1	unclassified
A_84_P786210	0.90636724	AT4G31550.2	WRKY domain transcription factor family
A_84_P785249	1.2849655	AT4G31800.1	WRKY domain transcription factor family
A_84_P21437	0.5948296	AT4G31805.1	WRKY domain transcription factor family
A_84_P55550	-0.8856392	AT4G32280.1	Aux/IAA family
A_84_P20495	0.79563046	AT4G32800.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P15766	1.0995237	AT4G32980.1	HB,Homeobox transcription factor family
A_84_P12939	-1.1036931	AT4G34990.1	MYB domain transcription factor family
A_84_P832800	-0.8150321	AT4G35270.1	NIN-like bZIP-related family
A_84_P23377	-0.9875518	AT4G37180.1	G2-like transcription factor family, GARP
A_84_P14864	1.9409246	AT4G37260.1	MYB domain transcription factor family
A_84_P534390	5.1198654	AT4G37740.1	General Transcription
A_84_P19568	1.6944323	AT4G38000.1	C2C2(Zn) DOF zinc finger family

A_84_P563858	1.466002	AT4G38340.1	NIN-like bZIP-related family
A_84_P12951	-1.2878503	AT4G38620.1	MYB domain transcription factor family
A_84_P19572	0.7163848	AT4G38890.1	C3H zinc finger family
A_84_P16735	2.098999	AT4G39070.1	C2C2(Zn) CO-like, Constans-like zinc finger family
A_84_P22412	1.5524594	AT4G39410.1	WRKY domain transcription factor family
A_84_P10120	-1.1280432	AT4G39780.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P14847	-0.6580753	AT4G40060.1	HB,Homeobox transcription factor family
A_84_P21494	0.8076753	AT5G02810.1	Pseudo ARR transcription factor family
A_84_P19604	-0.6210871	AT5G03680.1	Trihelix, Triple-Helix transcription factor family
A_84_P22442	-0.6983761	AT5G03720.1	HSF,Heat-shock transcription factor family
A_84_P17934	1.0798473	AT5G04340.1	C2H2 zinc finger family
A_84_P10152	1.1981268	AT5G04760.1	MYB-related transcription factor family
A_84_P196034	0.70856285	AT5G05090.1	G2-like transcription factor family, GARP
A_84_P551242	0.7326736	AT5G06550.1	JUMONJI family
A_84_P18673	1.0232584	AT5G07690.1	MYB domain transcription factor family
A_84_P19619	1.6356202	AT5G07700.1	MYB domain transcription factor family
A_84_P18676	1.1239232	AT5G08520.1	MYB-related transcription factor family
A_84_P19627	0.90961754	AT5G10510.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P14898	1.3252534	AT5G10760.1	unclassified
A_84_P17925	0.7244464	AT5G11060.1	HB,Homeobox transcription factor family
A_84_P16792	-1.4126444	AT5G11260.1	bZIP transcription factor family
A_84_P797499	-0.7563487	AT5G11430.1	putative transcription regulator
A_84_P11122	-1.3567839	AT5G11590.1	AP2/EREBP, APETALA2/Ethylene-responsive element binding protein family
A_84_P20587	1.4173036	AT5G15150.1	HB,Homeobox transcription factor family
A_84_P16959	0.7475628	AT5G15700.1	transcription
A_84_P188424	-2.2670422	AT5G15800.1	MADS box transcription factor family
A_84_P15068	-0.6429408	AT5G15830.1	bZIP transcription factor family
A_84_P522915	0.6149235	AT5G16560.1	G2-like transcription factor family, GARP
A_84_P18856	1.1372432	AT5G17490.1	GRAS transcription factor family
A_84_P12248	-0.6446433	AT5G19490.1	putative transcription regulator
A_84_P15083	0.64521784	AT5G19520.1	putative transcription regulator
A_84_P845967	1.2092243	AT5G22570.1	WRKY domain transcription factor family

A_84_P13033	0.6567259	AT5G22650.1	HDA
A_84_P767969	0.73301935	AT5G23260.2	MADS box transcription factor family
A_84_P308743	0.8008176	AT5G23280.1	TCP transcription factor family
A_84_P826417	1.1862596	AT5G24110.1	WRKY domain transcription factor family
A_84_P13983	-1.2929927	AT5G24120.1	transcription
A_84_P766536	0.64056975	AT5G25220.1	HB,Homeobox transcription factor family
A_84_P11156	1.260398	AT5G26170.1	WRKY domain transcription factor family
A_84_P12103	1.0720128	AT5G27120.1	putative transcription regulator
A_84_P19805	1.122262	AT5G28650.1	WRKY domain transcription factor family
A_84_P17923	0.74788195	AT5G28770.1	bZIP transcription factor family
A_84_P14948	-1.258563	AT5G37260.1	MYB-related transcription factor family
A_84_P23462	1.3928775	AT5G37540.1	unclassified
A_84_P17795	0.6762391	AT5G39840.1	transcription
A_84_P19687	-2.4566073	AT5G39860.1	bHLH,Basic Helix-Loop-Helix family
A_84_P11180	-0.8307648	AT5G40330.1	MYB domain transcription factor family
A_84_P12125	0.7907905	AT5G40340.1	PWWP domain protein
A_84_P547046	1.4423141	AT5G41315.1	bHLH,Basic Helix-Loop-Helix family
A_84_P23477	-0.7379838	AT5G41410.1	HB,Homeobox transcription factor family
A_84_P273920	-2.6576064	AT5G41910.1	transcription
A_84_P21591	1.3375062	AT5G43170.1	C2H2 zinc finger family
A_84_P21592	-0.7785006	AT5G43500.1	putative transcription regulator
A_84_P547813	0.5974917	AT5G43990.1	SET-domain transcriptional regulator family
A_84_P23486	0.714363	AT5G44160.1	C2H2 zinc finger family
A_84_P267250	1.156973	AT5G44190.1	G2-like transcription factor family, GARP
A_84_P830750	0.67510605	AT5G44560.2	SNF7
A_84_P22549	-0.6328945	AT5G46350.1	WRKY domain transcription factor family
A_84_P68194	2.050077	AT5G46710.1	unclassified
A_84_P18773	-1.2960639	AT5G48250.1	C2C2(Zn) CO-like, Constans-like zinc finger family
A_84_P15939	-1.6595392	AT5G49330.1	MYB domain transcription factor family
A_84_P13104	1.038905	AT5G49520.1	WRKY domain transcription factor family
A_84_P245725	0.70803696	AT5G50010.1	bHLH,Basic Helix-Loop-Helix family
A_84_P528334	1.257247	AT5G50915.1	bHLH,Basic Helix-Loop-Helix family

A_84_P16894	1.683567	AT5G51910.1	TCP transcription factor family
A_84_P53580	-0.9142923	AT5G52600.1	MYB domain transcription factor family
A_84_P219828	-1.1280565	AT5G52660.1	MYB-related transcription factor family
A_84_P15006	-0.758789	AT5G53200.1	MYB-related transcription factor family
A_84_P242573	-1.6647443	AT5G54470.1	C2C2(Zn) CO-like, Constans-like zinc finger family
A_84_P867087	-0.8809356	AT5G54930.1	putative transcription regulator
A_84_P11239	1.6858654	AT5G56840.1	MYB-related transcription factor family
A_84_P827727	-1.0292042	AT5G56860.1	C2C2(Zn) GATA transcription factor family
A_84_P528434	1.273798	AT5G56960.1	bHLH,Basic Helix-Loop-Helix family
A_84_P522226	1.3191547	AT5G57420.1	Aux/IAA family
A_84_P10296	0.7563561	AT5G57660.1	C2C2(Zn) CO-like, Constans-like zinc finger family
A_84_P791069	-0.7853618	AT5G58340.1	MYB-related transcription factor family
A_84_P11244	0.76913464	AT5G58430.1	unclassified
A_84_P11250	-0.9836587	AT5G59570.1	G2-like transcription factor family, GARP
A_84_P14086	0.64509106	AT5G59780.1	MYB domain transcription factor family
A_84_P16923	2.6754284	AT5G59820.1	C2H2 zinc finger family
A_84_P869736	-3.0468225	AT5G62165.1	MADS box transcription factor family
A_84_P10318	0.8507261	AT5G62470.1	MYB domain transcription factor family
A_84_P18829	-0.6206216	AT5G62920.1	ARR
A_84_P766867	-0.6033019	AT5G63470.1	CCAAT box binding factor family, HAP5
A_84_P245045	0.71836185	AT5G64660.1	PHOR1
A_84_P225559	2.5532818	AT5G64810.1	WRKY domain transcription factor family
A_84_P13165	1.1191382	AT5G65320.1	bHLH,Basic Helix-Loop-Helix family
A_84_P12221	0.5963936	AT5G65630.1	Global transcription factor group
A_84_P598586	-0.8270721	AT5G66620.1	Orphan family
A_84_P807259	1.41613	AT5G67300.1	MYB domain transcription factor family
A_84_P818463	0.85203636	AT5G67420.1	AS2,Lateral Organ Boundaries Gene Family
A_84_P21685	1.1297098	AT5G67450.1	C2H2 zinc finger family
A_84_P92059	2.1732006	AT5G67480.1	Transcriptional Adaptor Zinc Bundle (TAZ) domain family

**Log2 Ratio means 35S-BnGRF2a-2 transgenic line vs WT**

**Table S3. An overview of differential genes expression between the leaf of 35S-*BnGRF2a-2* and WT control plants.**

ProbeName	Log2 Ratio	Common name	Description
A_84_P181994	-4.61172	AT3G02040.1	SRG3 (SENESCENCE-RELATED GENE 3); glycerophosphodiester phosphodiesterase
A_84_P22400	-4.49962	AT4G35770.1	SEN1 (DARK INDUCIBLE 1)
A_84_P19368	-3.95761	AT3G47340.1	ASN1 (DARK INDUCIBLE 6)
A_84_P16885	-3.64012	AT5G49360.1	BXL1 (BETA-XYLOSIDASE 1); hydrolase, hydrolyzing O-glycosyl compounds
A_84_P22643	-3.59222	AT5G20150.1	SPX (SYG1/Pho81/XPR1) domain-containing protein
A_84_P13568	-3.3507	AT2G33830.1	dormancy/auxin associated family protein
A_84_P130356	-3.15966	AT5G20790.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G43110.1)
A_84_P14620	-3.14886	AT3G52310.1	ABC transporter family protein
A_84_P869736	-3.04682	AT5G62165.1	AGL42 (AGAMOUS LIKE 42); transcription factor
A_84_P768104	-2.96448	AT5G44973.1	Encodes a defensin-like (DEFL) family protein.
A_84_P17929	-2.94661	AT1G56600.1	ATGOLS2 (ARABIDOPSIS THALIANA GALACTINOL SYNTHASE 2); transferase
A_84_P13908	-2.87856	AT4G15460.1	glycine-rich protein
A_84_P603414	-2.77895	AT2G46940.1	similar to unknown protein [Arabidopsis thaliana]
A_84_P814654	-2.77345	AT5G39190.1	GLP2A (GERMIN-LIKE PROTEIN 2A)
A_84_P132955	-2.70477	AT5G39160.1	germin-like protein (GLP2a) (GLP5a)
A_84_P228049	-2.70422	AT5G63160.1	BT1 (BTB and TAZ domain protein 1); protein binding / transcription regulator
A_84_P273920	-2.65761	AT5G41910.1	RNA polymerase II mediator complex protein-related
A_84_P192434	-2.60889	AT4G36850.1	PQ-loop repeat family protein / transmembrane family protein
A_84_P814660	-2.55285	AT5G39130.1	germin-like protein, putative
A_84_P17817	-2.51434	AT5G45810.1	CIPK19 (SNF1-RELATED PROTEIN KINASE 3.5); kinase
A_84_P565562	-2.50478	AT5G57780.1	transcription regulator
A_84_P54840	-2.48121	AT3G19270.1	CYP707A4 (cytochrome P450, family 707, subfamily A, polypeptide 4); oxygen binding
A_84_P19687	-2.45661	AT5G39860.1	PRE1 (PACLOBUTRAZOL RESISTANCE1); DNA binding / transcription factor
A_84_P826638	-2.45144	AT3G26790.1	FUS3 (FUSCA 3); DNA binding / transcription factor
A_84_P297634	-2.44857	AT5G15500.1	ankyrin repeat family protein
A_84_P260800	-2.42871	AT4G19430.1	unknown protein
A_84_P556641	-2.42208	AT5G36960.1	unknown protein
A_84_P12990	-2.33405	AT5G05490.1	DIF1/SYN1



A_84_P21184	-2.29316	AT3G17790.1	ATACP5 (acid phosphatase 5); acid phosphatase/ protein serine/threonine phosphatase
A_84_P508552	-2.29308	AT4G05497.1	F-box family protein
A_84_P805635	-2.26865	AT1G25370.1	similar to unknown protein; contains InterPro domain Protein of unknown function DUF1639
A_84_P19553	-2.26751	AT4G33790.1	acyl CoA reductase, putative
A_84_P188424	-2.26704	AT5G15800.1	SEP1 (SEPALLATA1); DNA binding / transcription factor
A_84_P109472	-2.24272	AT2G47770.1	benzodiazepine receptor-related
A_84_P265780	-2.24102	AT5G15840.1	CO (CONSTANS); transcription factor/ zinc ion binding
A_84_P824811	-2.23135	AT2G32870.1	meprin and TRAF homology domain-containing protein / MATH domain-containing protein
A_84_P20068	-2.22305	AT2G05540.1	glycine-rich protein
A_84_P22337	-2.20315	AT4G21440.1	ATM4/ATMYB102 (ARABIDOPSIS MYB-LIKE 102); DNA binding / transcription factor
A_84_P841862	-2.20103	AT5G53710.1	unknown protein
A_84_P301400	-2.19298	AT3G18950.1	transducin family protein / WD-40 repeat family protein
A_84_P52140	-2.17737	AT1G24580.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P145509	-2.16587	AT3G50840.1	phototropic-responsive NPH3 family protein
A_84_P787273	-2.16026	AT5G24600.1	similar to unknown protein; contains InterPro domain Protein of unknown function DUF599
A_84_P19997	-2.14698	AT1G74670.1	gibberellin-responsive protein, putative [AT1G74670.1]
A_84_P511355	-2.11856	AT5G06380.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G11690.1)
A_84_P11805	-2.11619	AT3G47420.1	glycerol-3-phosphate transporter, putative / glycerol 3-phosphate permease, putative
A_84_P21517	-2.11608	AT1G31310.1	hydroxyproline-rich glycoprotein family protein
A_84_P787776	-2.11443	AT3G56260.1	unknown protein
A_84_P237173	-2.08523	AT1G10585.1	transcription factor
A_84_P12526	-2.06263	AT2G20510.1	ATTIM44-1 (Arabidopsis thaliana translocase inner membrane subunit 44-1)
A_84_P10627	-2.01812	AT2G20880.1	AP2 domain-containing transcription factor, putative
A_84_P10949	-1.99555	AT4G05100.1	AtMYB74 (myb domain protein 74); DNA binding / transcription factor
A_84_P105996	-1.99402	AT4G36470.1	S-adenosyl-L-methionine:carboxyl methyltransferase family protein
A_84_P22866	-1.99359	AT1G20070.1	unknown protein
A_84_P255500	-1.97988	AT5G54130.4	calcium-binding EF hand family protein
A_84_P56650	-1.97582	AT5G41080.1	glycerophosphoryl diester phosphodiesterase family protein
A_84_P806966	-1.95523	AT2G40610.1	ATEXPA8 (ARABIDOPSIS THALIANA EXPANSIN A8)
A_84_P18047	-1.94184	AT1G15100.1	RHA2A (RING-H2 finger A2A); protein binding / zinc ion binding
A_84_P19141	-1.94009	AT2G47460.1	ATMYB12/MYB12 (MYB DOMAIN PROTEIN 12)

A_84_P534217	-1.93416	AT3G48240.1	octicosapeptide/Phox/Bem1p (PB1) domain-containing protein
A_84_P760632	-1.93363	AT3G59930.1	Encodes a defensin-like (DEFL) family protein.
A_84_P769609	-1.92312	AT5G53048.1	other RNA
A_84_P847367	-1.91757	AT1G02205.1	CER1 (ECERIFERUM 1)
A_84_P297334	-1.91503	AT5G25840.1	similar to unknown protein;contains InterPro domain Protein of unknown function DUF1677
A_84_P525172	-1.89287	AT2G33720.1	transcription factor
A_84_P23101	-1.88669	AT3G21890.1	zinc finger (B-box type) family protein
A_84_P10158	-1.87895	AT5G06690.1	(THIOREDOXIN-LIKE 5); thiol-disulfide exchange intermediate
A_84_P13690	-1.87683	AT3G46370.1	leucine-rich repeat protein kinase, putative
A_84_P803335	-1.8731	AT3G28007.1	nodulin MtN3 family protein
A_84_P11955	-1.85863	AT4G26150.1	CGA1 (CYTOKININ-RESPONSIVE GATA FACTOR 1); transcription factor
A_84_P12720	-1.85569	AT3G13750.1	BGAL1 (BETA GALACTOSIDASE 1); beta-galactosidase
A_84_P18265	-1.84198	AT2G18480.1	mannitol transporter, putative
A_84_P610895	-1.83617	AT5G19970.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO65601.1)
A_84_P512287	-1.83553	AT5G23160.1	similar to unknown protein(TAIR:AT5G08240.1)
A_84_P18985	-1.83	AT1G11740.1	ankyrin repeat family protein
A_84_P14075	-1.82829	AT5G57240.1	oxysterol-binding family protein
A_84_P812024	-1.81975	AT1G28330.1	DRM1 (DORMANCY-ASSOCIATED PROTEIN 1)
A_84_P556511	-1.81787	AT4G29110.1	unknown protein
A_84_P813233	-1.80896	AT4G35750.1	Rho-GTPase-activating protein-related
A_84_P11098	-1.7959	AT5G04770.1	ATCAT6/CAT6 (CATIONIC AMINO ACID TRANSPORTER 6)
A_84_P21915	-1.79211	AT1G20190.1	ATEXPA11 (ARABIDOPSIS THALIANA EXPANSIN A11)
A_84_P132025	-1.78894	AT1G69260.1	similar to unknown protein; contains InterPro domain Protein of unknown function DUF1675
A_84_P15742	-1.78487	AT4G27450.1	similar to unknown protein(TAIR:AT3G15450.1);contains domain G3DSA:3.60.20.10
A_84_P16492	-1.77886	AT3G21150.1	zinc finger (B-box type) family protein
A_84_P14783	-1.77109	AT4G24780.1	pectate lyase family protein
A_84_P512586	-1.76038	AT1G53785.1	unknown protein
A_84_P532079	-1.75554	AT1G47510.1	endonuclease/exonuclease/phosphatase family protein
A_84_P218028	-1.74395	AT3G47640.1	basic helix-loop-helix (bHLH) family protein
A_84_P72554	-1.74133	AT1G77400.1	similar to hydroxyproline-rich glycoprotein family protein (TAIR:AT1G21695.1)
A_84_P831400	-1.73647	AT1G49320.1	BURP domain-containing protein [AT1G49320.1]
A_84_P519046	-1.73623	AT3G09450.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G28780.1)

A_84_P18238	-1.7273	AT2G22420.1	peroxidase 17 (PER17) (P17)
A_84_P14701	-1.719	AT3G61880.1	CYP78A9 (CYTOCHROME P450 78A9); oxygen binding
A_84_P838948	-1.71534	AT1G01520.1	myb family transcription factor
A_84_P130216	-1.71276	AT2G37750.1	unknown protein
A_84_P104886	-1.71125	AT5G63350.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G48510.1)
A_84_P155385	-1.70521	AT4G17280.1	auxin-responsive family protein
A_84_P602765	-1.70502	AT4G19900.1	glycosyl transferase-related
A_84_P16776	-1.69835	AT5G06760.1	late embryogenesis abundant group 1 domain-containing protein
A_84_P20803	-1.68484	AT1G11340.1	S-locus lectin protein kinase family protein
A_84_P10638	-1.6833	AT1G11260.1	STP1 (SUGAR TRANSPORTER 1)
A_84_P16177	-1.67878	AT1G78440.1	ATGA2OX1 (GIBBERELLIN 2-OXIDASE 1); gibberellin 2-beta-dioxygenase
A_84_P69104	-1.67667	AT1G77145.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G77160.1)
A_84_P557122	-1.66941	AT2G45130.1	SPX (SYG1/Pho81/XPR1) domain-containing protein
A_84_P23455	-1.66873	AT1G68620.1	hydrolase
A_84_P242573	-1.66474	AT5G54470.1	zinc finger (B-box type) family protein
A_84_P19626	-1.66122	AT5G10250.1	phototropic-responsive protein, putative
A_84_P15939	-1.65954	AT5G49330.1	AtMYB111 (myb domain protein 111); DNA binding / transcription factor
A_84_P759203	-1.65837	AT3G30730.1	contains domain HELICASE-RELATED (PTHR10492)
A_84_P16743	-1.65481	AT4G15110.1	CYP97B3 (cytochrome P450, family 97, subfamily B, polypeptide 3); oxygen binding
A_84_P861274	-1.64594	AT5G66400.1	RAB18 (RESPONSIVE TO ABA 18)
A_84_P789539	-1.64239	AT4G06746.1	RAP2.9 (related to AP2 9); transcription factor
A_84_P15720	-1.64073	AT4G22620.1	auxin-responsive family protein
A_84_P10285	-1.63485	AT5G54510.1	DFL1/GH3.6 (DWARF IN LIGHT 1); indole-3-acetic acid amido synthetase
A_84_P767162	-1.63329	AT5G38870.1	transposable element gene
A_84_P141109	-1.62852	AT4G30410.1	transcription factor
A_84_P547965	-1.62547	AT1G12030.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G62420.1)
A_84_P20761	-1.62478	AT5G09220.1	AAP2 (AMINO ACID PERMEASE 2); amino acid transmembrane transporter
A_84_P14131	-1.61809	AT5G20250.1	DIN10 (DARK INDUCIBLE 10); hydrolase, hydrolyzing O-glycosyl compounds
A_84_P502404	-1.61682	AT4G26950.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G04630.1)
A_84_P818968	-1.61655	AT3G15630.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G52720.1)
A_84_P13597	-1.60572	AT3G09590.1	pathogenesis-related protein, putative [AT3G09590.1]
A_84_P22612	-1.59507	AT5G62730.1	proton-dependent oligopeptide transport (POT) family protein
A_84_P123362	-1.58427	AT1G13740.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G69260.1)

A_84_P609600	-1.57189	AT2G40200.1	basic helix-loop-helix (bHLH) family protein
A_84_P16197	-1.56396	AT1G69530.1	ATEXPA1 (ARABIDOPSIS THALIANA EXPANSIN A1)
A_84_P173491	-1.56205	AT5G64770.1	similar to 80C09_10 [Brassica rapa subsp. pekinensis] (GB:AAZ41821.1)
A_84_P17128	-1.55815	AT1G69230.1	SPIL2
A_84_P21875	-1.5501	AT1G63180.1	UGE3 (UDP-D-GLUCOSE/UDP-D-GALACTOSE 4-EPIMERASE 3)
A_84_P88639	-1.54538	AT1G79160.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G16500.1)
A_84_P816014	-1.54513	AT4G01000.1	ubiquitin family protein
A_84_P23698	-1.53657	AT1G22690.1	gibberellin-responsive protein, putative
A_84_P106882	-1.53385	AT1G78170.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G22250.1)
A_84_P549850	-1.52441	AT1G60190.1	armadillo/beta-catenin repeat family protein / U-box domain-containing protein
A_84_P12298	-1.52281	AT1G23760.1	JP630; polygalacturonase
A_84_P11780	-1.517	AT3G28500.1	60S acidic ribosomal protein P2 (RPP2C)
A_84_P288904	-1.51584	AT3G49570.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G24660.1)
A_84_P819590	-1.51567	AT3G17510.1	CIPK1 (CBL-INTERACTING PROTEIN KINASE 1); kinase
A_84_P21970	-1.51472	AT2G22200.1	AP2 domain-containing transcription factor
A_84_P79045	-1.51274	AT1G06980.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G30230.1)
A_84_P66364	-1.51209	AT1G49310.1	unknown protein
A_84_P90109	-1.51201	AT3G05800.1	transcription factor
A_84_P543246	-1.51083	AT4G37295.1	unknown protein
A_84_P15301	-1.50649	AT1G58340.1	ZF14; transporter
A_84_P272560	-1.5056	AT3G12970.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G56020.1)
A_84_P539913	-1.50213	AT5G67020.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G50340.1)
A_84_P186194	-1.49843	AT2G35640.1	hydroxyproline-rich glycoprotein family protein
A_84_P821066	-1.49624	AT5G60910.1	AGL8 (AGAMOUS-LIKE 8); transcription factor
A_84_P154615	-1.49113	AT1G76590.1	zinc-binding family protein
A_84_P11605	-1.49014	AT2G46690.1	auxin-responsive family protein
A_84_P186864	-1.48974	AT5G03960.1	IQD12 (IQ-domain 12); calmodulin binding
A_84_P549446	-1.48558	AT4G35720.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G35690.1)
A_84_P813465	-1.48499	AT2G15890.1	MEE14 (maternal effect embryo arrest 14)
A_84_P761945	-1.48371	AT3G61028.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G60940.1)
A_84_P17398	-1.47334	AT3G15620.1	UVR3 (UV REPAIR DEFECTIVE 4)
A_84_P21614	-1.47011	AT1G29600.1	zinc finger (CCCH-type) family protein
A_84_P20410	-1.46638	AT1G06080.1	ADS1 (DELTA 9 DESATURASE 1); oxidoreductase
A_84_P81559	-1.46341	AT4G33560.1	unknown protein
A_84_P571865	-1.46275	AT3G23420.1	F-box family protein-related
A_84_P17577	-1.46269	AT1G06180.1	ATMYB13 (myb domain protein 13); DNA binding / transcription factor

A_84_P11248	-1.46084	AT5G59220.1	protein phosphatase 2C, putative / PP2C, putative
A_84_P550153	-1.45873	AT3G30720.1	unknown protein
A_84_P521683	-1.4495	AT2G46970.1	PIL1 (PHYTOCHROME INTERACTING FACTOR 3-LIKE 1); transcription factor
A_84_P66984	-1.44783	AT1G64360.1	unknown protein
A_84_P13968	-1.44584	AT5G16410.1	transferase family protein
A_84_P12005	-1.43603	AT4G38410.1	dehydrin, putative
A_84_P762845	-1.43501	AT3G13061.1	other RNA
A_84_P532908	-1.43429	AT1G16515.1	unknown protein
A_84_P12501	-1.43344	AT2G28200.1	nucleic acid binding / transcription factor/ zinc ion binding
A_84_P850575	-1.4302	AT1G62500.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P22300	-1.42885	AT4G08300.1	nodulin MtN21 family protein
A_84_P22483	-1.42374	AT5G17860.1	CAX7 (CALCIUM EXCHANGER 7); calcium:sodium antiporter/ cation:cation antiporter
A_84_P201258	-1.42207	AT3G16280.1	DNA binding / transcription factor
A_84_P758025	-1.4203	AT2G13431.1	other RNA
A_84_P829388	-1.41989	AT1G07150.1	MAPKKK13 (Mitogen-activated protein kinase kinase kinase 13); kinase
A_84_P18467	-1.41339	AT3G57520.1	ATSIP2 (ARABIDOPSIS THALIANA SEED IMBIBITION 2)
A_84_P706132	-1.41309	AT1G69252.1	other RNA [AT1G69252.1]
A_84_P16792	-1.41264	AT5G11260.1	HY5 (ELONGATED HYPOCOTYL 5); DNA binding / transcription factor
A_84_P12165	-1.40711	AT5G51310.1	gibberellin 20-oxidase-related
A_84_P15646	-1.40578	AT3G61890.1	ATHB-12 (ARABIDOPSIS THALIANA HOMEBOX PROTEIN 12); transcription factor
A_84_P265830	-1.40314	AT4G14020.1	rapid alkalization factor (RALF) family protein
A_84_P22363	-1.39841	AT4G27360.1	dynein light chain, putative
A_84_P10499	-1.39413	AT1G08250.1	ADT6 (AROGENATE DEHYDRATASE 6); arogenate dehydratase/ prephenate dehydratase
A_84_P16192	-1.38924	AT1G77450.1	ANAC032 (Arabidopsis NAC domain containing protein 32); transcription factor
A_84_P304680	-1.38828	AT2G30600.1	BTB/POZ domain-containing protein
A_84_P18787	-1.38649	AT5G52250.1	transducin family protein / WD-40 repeat family protein
A_84_P220358	-1.38637	AT5G50610.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G50710.1)
A_84_P764623	-1.38626	AT4G15248.1	DNA binding / zinc ion binding
A_84_P199304	-1.38535	AT1G19610.1	LCR78/PDF1.4 (Low-molecular-weight cysteine-rich 78)
A_84_P219958	-1.38479	AT5G42760.1	similar to unknown [Populus trichocarpa] (GB:ABK95091.1)
A_84_P16207	-1.38168	AT1G68360.1	zinc finger protein-related
A_84_P282890	-1.37891	AT5G47610.1	zinc finger (C3HC4-type RING finger) family protein

A_84_P21354	-1.3759	AT4G08290.1	nodulin MtN21 family protein
A_84_P269350	-1.36609	AT1G58380.1	XW6; structural constituent of ribosome
A_84_P808177	-1.3634	AT5G59320.1	LTP3 (LIPID TRANSFER PROTEIN 3); lipid binding
A_84_P524320	-1.36325	AT2G40475.1	unknown protein
A_84_P11122	-1.35678	AT5G11590.1	TINY2 (TINY2); DNA binding / transcription factor
A_84_P117132	-1.35641	AT5G03555.1	permease, cytosine/purines, uracil, thiamine, allantoin family protein
A_84_P754963	-1.35595	AT2G15160.1	transposable element gene
A_84_P577248	-1.35387	AT1G10155.1	similar to ATPP2-A9 (Phloem protein 2-A9), carbohydrate binding [Arabidopsis thaliana]
A_84_P15250	-1.35276	AT1G66760.2	MATE efflux family protein [AT1G66760.2]
A_84_P520558	-1.35151	AT1G52855.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G15534.1)
A_84_P19573	-1.34385	AT1G48100.1	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
A_84_P18028	-1.34365	AT1G04280.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G06750.1)
A_84_P19052	-1.34233	AT1G70560.1	alliinase C-terminal domain-containing protein
A_84_P604856	-1.34066	AT5G59990.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G41380.1)
A_84_P18313	-1.3373	AT3G10570.1	CYP77A6 (cytochrome P450, family 77, subfamily A, polypeptide 6)
A_84_P816904	-1.33726	AT5G47450.1	AtTIP2;3 (Arabidopsis thaliana tonoplast intrinsic protein 2;3)
A_84_P16227	-1.33671	AT1G72200.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P23370	-1.33349	AT4G16680.1	RNA helicase, putative
A_84_P756272	-1.32908	AT2G27395.1	pseudogene of cysteine protease-related
A_84_P11764	-1.32743	AT3G19230.1	leucine-rich repeat family protein
A_84_P809041	-1.32141	AT2G38530.1	LTP2 (LIPID TRANSFER PROTEIN 2); lipid binding
A_84_P794100	-1.31964	AT1G19490.1	bZIP transcription factor family protein
A_84_P604788	-1.31836	AT5G59510.1	DVL18/RTFL5 (ROTUNDIFOLIA LIKE 5)
A_84_P10760	-1.31589	AT3G05820.1	beta-fructofuranosidase
A_84_P822179	-1.31459	AT5G02020.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G55646.1)
A_84_P10570	-1.31437	AT1G19840.1	auxin-responsive family protein
A_84_P15366	-1.31199	AT1G11210.1	similar to unknown protein [Arabidopsis thaliana]
A_84_P756427	-1.31083	AT2G27420.1	cysteine proteinase, putative
A_84_P17366	-1.30882	AT1G01250.1	AP2 domain-containing transcription factor, putative
A_84_P97886	-1.30821	AT2G40130.1	heat shock protein-related
A_84_P803684	-1.30526	AT5G58550.1	EOL2 (ETO1-LIKE 2); binding / protein binding
A_84_P859689	-1.30509	AT1G75750.1	GASA1 (GAST1 PROTEIN HOMOLOG 1)
A_84_P16520	-1.30415	AT1G02640.1	BXL2 (BETA-XYLOSIDASE 2); hydrolase, hydrolyzing O-glycosyl compounds
A_84_P233709	-1.2967	AT5G15190.1	unknown protein

A_84_P18773	-1.29606	AT5G48250.1	zinc finger (B-box type) family protein
A_84_P13983	-1.29299	AT5G24120.1	SIGE (RNA polymerase sigma subunit E)
A_84_P818550	-1.29194	AT3G21510.1	AHP1 (HISTIDINE-CONTAINING PHOSPHOTRANSMITTER 3)
A_84_P804030	-1.29137	AT3G24518.1	other RNA
A_84_P840305	-1.28805	AT3G28960.1	amino acid transporter family protein
A_84_P12951	-1.28785	AT4G38620.1	MYB4 (myb domain protein 4); transcription factor
A_84_P10141	-1.28636	AT5G01550.1	lectin protein kinase, putative
A_84_P12184	-1.28619	AT5G56870.1	BGAL4 (beta-galactosidase 4); beta-galactosidase
A_84_P263610	-1.28214	AT4G14380.1	similar to hypothetical protein [Vitis vinifera] (GB:CAN63630.1)
A_84_P10354	-1.28177	AT1G27940.1	PGP13 (P-GLYCOPROTEIN 13); ATPase, coupled to transmembrane movement of substances
A_84_P594805	-1.27913	AT4G36820.1	transcription factor
A_84_P60230	-1.2762	AT4G39700.1	heavy-metal-associated domain-containing protein / copper chaperone (CCH)-related
A_84_P793020	-1.27103	AT3G03450.1	RGL2 (RGA-LIKE 2); transcription factor
A_84_P19729	-1.26984	AT5G51210.1	OLEO3 (OLEOSIN3)
A_84_P16167	-1.26975	AT1G22500.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P767998	-1.26875	AT5G42146.1	unknown protein
A_84_P15653	-1.26679	AT3G63470.1	SCPL40 (serine carboxypeptidase-like 40); serine carboxypeptidase
A_84_P577905	-1.2667	AT5G11460.1	senescence-associated protein-related
A_84_P769417	-1.26553	AT5G41761.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G55570.1)
A_84_P92099	-1.26412	AT2G32880.1	meprin and TRAF homology domain-containing protein / MATH domain-containing protein
A_84_P10038	-1.26119	AT4G20050.1	QRT3 (QUARTET 3)
A_84_P14948	-1.25856	AT5G37260.1	CIR1/RVE2 (CIRCADIAN 1); DNA binding / transcription factor
A_84_P244235	-1.25782	AT3G20810.1	transcription factor jumonji (jmjC) domain-containing protein
A_84_P763909	-1.25746	AT4G21130.1	EMB2271 (EMBRYO DEFECTIVE 2271); nucleotide binding
A_84_P168923	-1.25228	AT1G48330.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G17580.1)
A_84_P20293	-1.24836	AT3G12500.1	ATHCHIB (BASIC CHITINASE); chitinase
A_84_P761538	-1.2457	AT3G22142.1	structural constituent of cell wall
A_84_P62640	-1.24316	AT3G48290.1	CYP71A24 (cytochrome P450, family 71, subfamily A, polypeptide 24); oxygen binding
A_84_P22091	-1.24209	AT3G03470.1	CYP89A9 (cytochrome P450, family 87, subfamily A, polypeptide 9); oxygen binding
A_84_P824387	-1.2416	AT1G42430.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G55760.1)
A_84_P21264	-1.24023	AT3G48360.1	BT2 (BTB AND TAZ DOMAIN PROTEIN 2)
A_84_P17337	-1.23525	AT2G01150.1	RHA2B (RING-H2 FINGER PROTEIN 2B); protein binding / zinc ion

A_84_P305070	-1.23436	AT2G15020.1	binding
A_84_P565120	-1.22462	AT3G08505.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G64190.1)
A_84_P15269	-1.22186	AT1G52890.1	zinc finger (CCCH-type/C3HC4-type RING finger) family protein
			ANAC019 (Arabidopsis NAC domain containing protein 19); transcription factor
A_84_P14597	-1.21788	AT3G30460.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P13751	-1.21615	AT3G60490.1	AP2 domain-containing transcription factor TINY, putative
A_84_P281930	-1.20817	AT3G47820.1	armadillo/beta-catenin repeat family protein / U-box domain-containing protein
A_84_P78009	-1.2053	AT5G66052.1	unknown protein
A_84_P21461	-1.20395	AT4G38300.1	glycosyl hydrolase family 10 protein
A_84_P564068	-1.20104	AT1G77655.1	unknown protein
A_84_P11285	-1.20086	AT5G14860.1	transferase, transferring glycosyl groups
A_84_P20676	-1.20041	AT5G51470.1	auxin-responsive GH3 family protein
A_84_P591506	-1.20013	AT1G05870.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G31560.1)
A_84_P589734	-1.19534	AT1G13610.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G30380.1)
A_84_P24157	-1.19446	AT3G61250.1	AtMYB17 (myb domain protein 17); DNA binding / transcription factor
A_84_P810724	-1.19349	AT1G23310.1	GGT1 (ALANINE-2-OXOGLUTARATE AMINOTRANSFERASE 1)
A_84_P547483	-1.19305	AT3G27025.1	unknown protein
A_84_P574087	-1.19238	AT3G21055.1	PSBTN (photosystem II subunit T)
A_84_P847920	-1.19073	AT5G43150.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO61459.1)
A_84_P839025	-1.18977	AT1G70430.1	protein kinase family protein
A_84_P848694	-1.18972	AT5G38420.1	ribulose biphosphate carboxylase small chain 2B / RuBisCO small subunit 2B (RBCS-2B)
A_84_P13439	-1.18646	AT2G39980.1	transferase family protein
A_84_P788031	-1.18445	AT2G46160.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P144479	-1.18344	AT5G47590.1	heat shock protein-related
A_84_P785451	-1.18225	AT4G31330.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G10580.1)
A_84_P815460	-1.17987	AT5G11090.1	serine-rich protein-related
A_84_P20381	-1.17673	AT3G63110.1	ATIPT3 (Arabidopsis thaliana isopentenyltransferase 3)
A_84_P601919	-1.17493	AT4G34550.1	similar to F-box family protein [Arabidopsis thaliana] (TAIR:AT2G16365.3)
A_84_P523480	-1.17416	AT3G07730.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G01170.1)
A_84_P16771	-1.1736	AT5G05290.1	ATEXPA2 (ARABIDOPSIS THALIANA EXPANSIN A2)
A_84_P769292	-1.17322	AT5G03552.1	MIR822a; miRNA
A_84_P805465	-1.16977	AT5G38410.2	ribulose biphosphate carboxylase small chain 3B / RuBisCO small subunit 3B (RBCS-3B)
A_84_P760804	-1.16874	AT3G26165.1	putative cytochrome P450



A_84_P752730	-1.16085	AT1G66725.1	MIR163; miRNA
A_84_P16876	-1.16071	AT5G47050.1	ATP binding / protein binding / shikimate kinase/ zinc ion binding
A_84_P821803	-1.15989	AT4G12000.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G22850.1)
A_84_P17033	-1.15845	AT1G61630.1	equilibrative nucleoside transporter, putative (ENT7)
A_84_P12428	-1.15547	AT1G74010.1	strictosidine synthase family protein
A_84_P17757	-1.15399	AT5G18670.1	BMY3 (BETA-AMYLASE 9); beta-amylase
A_84_P12256	-1.15285	AT1G56710.1	glycoside hydrolase family 28 protein / polygalacturonase (pectinase) family protein
A_84_P70804	-1.15148	AT5G63130.1	octicosapeptide/Phox/Bem1p (PB1) domain-containing protein
A_84_P156465	-1.14861	AT4G27130.1	eukaryotic translation initiation factor SUI1, putative
A_84_P21530	-1.14474	AT5G14120.1	nodulin family protein
A_84_P505410	-1.14154	AT1G15165.1	U-box domain-containing protein
A_84_P761565	-1.13978	AT3G10185.1	Encodes a Gibberellin-regulated GASA/GAST/Snakin family protein
A_84_P21042	-1.13977	AT2G41560.1	ACA4 (AUTO-INHIBITED CA(2+)-ATPASE, ISOFORM 4)
A_84_P595278	-1.13969	AT2G04170.1	meprin and TRAF homology domain-containing protein / MATH domain-containing protein
A_84_P534471	-1.13868	AT5G24655.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G24660.1)
A_84_P216728	-1.1323	AT1G71130.1	AP2 domain-containing transcription factor, putative
A_84_P21145	-1.13142	AT3G03480.1	CHAT (ACETYL COA:(Z)-3-HEXEN-1-OL ACETYLTRANSFERASE)
A_84_P820734	-1.13061	AT1G09250.1	transcription factor [AT1G09250.1]
A_84_P10747	-1.12971	AT1G53700.1	WAG1; kinase [AT1G53700.1]
A_84_P53450	-1.12859	AT1G79770.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G25840.1)
A_84_P298204	-1.12821	AT3G54260.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G42570.1)
A_84_P219828	-1.12806	AT5G52660.1	myb family transcription factor
A_84_P10120	-1.12804	AT4G39780.1	AP2 domain-containing transcription factor, putative
A_84_P584249	-1.12731	AT5G43380.1	TOPP6 (Type one serine/threonine protein phosphatase 6); protein serine/threonine phosphatase
A_84_P19306	-1.12689	AT3G26650.1	GAPA (GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE A SUBUNIT); glyceraldehyde-3-phosphate dehydrogenase
A_84_P23646	-1.12679	AT1G23730.1	carbonic anhydrase, putative / carbonate dehydratase, putative
A_84_P18652	-1.1264	AT5G01880.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P821871	-1.1261	AT2G17730.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P16304	-1.12293	AT2G16720.1	MYB7 (myb domain protein 7); DNA binding / transcription factor
A_84_P549425	-1.12201	AT4G30230.1	unknown protein
A_84_P725162	-1.12199	AT1G47271.1	similar to CBS domain-containing protein [Arabidopsis thaliana] (TAIR:AT5G10860.1)
A_84_P789143	-1.11989	AT5G40730.1	AGP24 (ARABINOGALACTAN PROTEIN 24)

A_84_P24028	-1.11885	AT3G16240.1	DELTA-TIP (delta tonoplast integral protein); water channel
A_84_P285230	-1.1143	AT1G52565.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G15760.1)
A_84_P184024	-1.10825	AT2G37100.1	protamine P1 family protein [AT2G37100.1]
A_84_P257260	-1.10709	AT2G47780.1	rubber elongation factor (REF) protein-related
A_84_P15813	-1.10605	AT5G01640.1	prenylated rab acceptor (PRA1) family protein
A_84_P20496	-1.1047	AT4G33040.1	glutaredoxin family protein
A_84_P819992	-1.10377	AT4G32340.1	binding
A_84_P12939	-1.10369	AT4G34990.1	AtMYB32 (myb domain protein 32); DNA binding / transcription factor
A_84_P836321	-1.10202	AT1G27050.1	ATHB54 (ARABIDOPSIS THALIANA HOMEODOMAIN PROTEIN 54); nucleic acid binding / transcription factor
A_84_P14529	-1.10194	AT3G01970.1	WRKY45 (WRKY DNA-binding protein 45); transcription factor
A_84_P855736	-1.10033	AT1G79040.1	PSBR (photosystem II subunit R)
A_84_P20810	-1.09913	AT1G51340.1	MATE efflux family protein
A_84_P203128	-1.09809	AT3G29575.1	similar to TMAC2 (TWO OR MORE ABRES-CONTAINING GENE 2) [Arabidopsis thaliana] (TAIR:AT3G02140.1)
A_84_P566580	-1.09751	AT1G19160.1	F-box family protein-related
A_84_P832776	-1.09524	AT1G05690.1	BT3 (BTB and TAZ domain protein 3); protein binding / transcription regulator
A_84_P14421	-1.09489	AT2G41510.1	ATCKX1/CKX1 (CYTOKININ OXIDASE/DEHYDROGENASE 1); cytokinin dehydrogenase
A_84_P13049	-1.09487	AT1G55850.1	ATCSLE1 (Cellulose synthase-like E1)
A_84_P14680	-1.09484	AT3G56380.1	ARR17 (response regulator 17); transcription regulator/ two-component response regulator
A_84_P175871	-1.09296	AT4G28290.1	unknown protein
A_84_P12015	-1.09243	AT4G14580.1	CIPK4 (CBL-INTERACTING PROTEIN KINASE 4); kinase
A_84_P198394	-1.09118	AT4G16670.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G17350.1)
A_84_P830169	-1.09108	AT2G39950.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO69028.1)
A_84_P226139	-1.08937	AT2G26660.1	SPX (SYG1/Pho81/XPR1) domain-containing protein
A_84_P805480	-1.08858	AT5G38430.1	ribulose biphosphate carboxylase small chain 1B / RuBisCO small subunit 1B (RBCS-1B) (ATS1B)
A_84_P11378	-1.08847	AT1G62190.1	small conjugating protein ligase
A_84_P22366	-1.08839	AT4G28020.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO43327.1)
A_84_P126821	-1.08651	AT2G46790.1	APRR9 (PSEUDO-RESPONSE REGULATOR 9); transcription regulator
A_84_P758488	-1.08515	AT2G18969.1	transcription regulator
A_84_P806148	-1.08464	AT1G67090.1	RBCS1A; ribulose-biphosphate carboxylase
A_84_P187184	-1.08441	AT5G26280.1	meprin and TRAF homology domain-containing protein / MATH domain-containing protein

A_84_P581126	-1.0837	AT2G46670.1	pseudo-response regulator, putative / timing of CAB expression 1-like protein, putative
A_84_P19872	-1.08133	AT1G24400.1	LHT2 (LYSINE HISTIDINE TRANSPORTER 2); amino acid transmembrane transporter
A_84_P12573	-1.07915	AT2G44940.1	AP2 domain-containing transcription factor TINY, putative
A_84_P249125	-1.07845	AT1G68500.1	similar to hypothetical protein [Vitis vinifera] (GB:CAN66643.1)
A_84_P13957	-1.07785	AT5G11650.1	hydrolase, alpha/beta fold family protein
A_84_P860600	-1.07753	AT1G13360.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G25870.1)
A_84_P841815	-1.07752	AT5G09710.1	magnesium transporter CorA-like family protein
A_84_P21088	-1.07737	AT2G40670.1	ARR16 (response regulator 16); transcription regulator/ two-component response regulator
A_84_P22927	-1.07596	AT2G45350.1	CRR4 (CHLORORESPIRATORY REDUCTION 4)
A_84_P11450	-1.07486	AT1G32870.1	ANAC013 (Arabidopsis NAC domain containing protein 13); transcription factor
A_84_P769282	-1.07412	AT5G40451.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G40450.2)
A_84_P15915	-1.07259	AT5G43040.1	DC1 domain-containing protein
A_84_P19629	-1.07211	AT5G10990.1	auxin-responsive family protein
A_84_P807230	-1.07146	AT1G20340.1	DRT112 (DNA-damage-repair/toleration protein 112); copper ion binding / electron carrier
A_84_P137739	-1.07033	AT3G63060.1	EDL3 (EID1-LIKE 3)
A_84_P754336	-1.07018	AT1G33102.1	unknown protein
A_84_P67324	-1.06943	AT2G25930.1	ELF3 (EARLY FLOWERING 3)
A_84_P559359	-1.06879	AT5G57785.1	unknown protein
A_84_P17193	-1.06641	AT1G12520.1	CCS1 (copper chaperone for superoxide dismutase 1); superoxide dismutase copper chaperone
A_84_P525896	-1.06422	AT1G58235.1	unknown protein
A_84_P140389	-1.06296	AT2G03505.1	glycosyl hydrolase family protein 17
A_84_P15400	-1.06268	AT2G22450.1	riboflavin biosynthesis protein, putative
A_84_P17646	-1.06191	AT4G30170.1	peroxidase, putative
A_84_P21249	-1.06039	AT1G02650.1	DNAJ heat shock N-terminal domain-containing protein
A_84_P83919	-1.05927	AT2G21560.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G39190.1)
A_84_P18237	-1.05899	AT1G07710.1	ankyrin repeat family protein
A_84_P765100	-1.0585	AT4G17098.1	other RNA
A_84_P139909	-1.05646	AT5G49100.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G06868.1)
A_84_P11328	-1.05492	AT1G20470.1	auxin-responsive family protein
A_84_P244005	-1.05451	AT3G24760.1	F-box family protein
A_84_P10660	-1.0541	AT2G29490.1	ATGSTU1 (GLUTATHIONE S-TRANSFERASE 19); glutathione

A_84_P14418	-1.05114	AT2G40230.1	transferase
A_84_P751396	-1.04699	AT1G21470.1	transferase family protein pseudogene,putative ATP-dependent clp protease ATP-binding subunit clpa precursor
A_84_P18956	-1.04577	AT1G77280.1	protein kinase family protein
A_84_P520318	-1.04531	AT5G46115.1	unknown protein
A_84_P220638	-1.0451	AT3G45210.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G60680.1)
A_84_P16262	-1.04445	AT1G25230.1	purple acid phosphatase family protein
A_84_P17015	-1.04413	AT1G02340.1	HFR1 (LONG HYPOCOTYL IN FAR-RED); DNA binding / transcription factor
A_84_P21386	-1.04406	AT4G20230.1	terpene synthase/cyclase family protein
A_84_P23838	-1.04362	AT1G73480.1	hydrolase, alpha/beta fold family protein
A_84_P737204	-1.04327	AT2G05632.1	unknown protein
A_84_P90969	-1.04301	AT5G64800.1	CLE21 (CLAVATA3/ESR-RELATED 21); receptor binding
A_84_P140379	-1.0428	AT3G27350.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G40700.1)
A_84_P806842	-1.04159	AT3G26740.1	CCL (CCR-LIKE)
A_84_P12465	-1.04075	AT1G07250.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P581112	-1.03722	AT2G42150.1	DNA-binding bromodomain-containing protein
A_84_P13004	-1.03671	AT5G09730.1	BXL3 (BETA-XYLOSIDASE 3); hydrolase, hydrolyzing O-glycosyl compounds
A_84_P193184	-1.03582	AT1G26930.1	kelch repeat-containing F-box family protein
A_84_P218238	-1.03483	AT1G65450.1	transferase family protein
A_84_P10657	-1.03463	AT2G36800.1	DOGT1 (DON-GLUCOSYLTRANSFERASE); UDP-glycosyltransferase/ transferase, transferring glycosyl groups
A_84_P750006	-1.0341	AT1G75250.1	myb family transcription factor
A_84_P524541	-1.03408	AT4G11350.1	transferase, transferring glycosyl groups
A_84_P23645	-1.03382	AT1G23550.1	SRO2 (SIMILAR TO RCD ONE 2); NAD <sup>+</sup> ADP-ribosyltransferase
A_84_P21787	-1.03244	AT1G04570.1	integral membrane transporter family protein
A_84_P14324	-1.03235	AT1G52880.1	NAM (Arabidopsis NAC domain containing protein 18); transcription factor
A_84_P515522	-1.03122	AT3G14395.1	unknown protein
A_84_P13251	-1.02953	AT1G61550.1	S-locus protein kinase, putative
A_84_P827727	-1.0292	AT5G56860.1	GNC (GATA, NITRATE-INDUCIBLE, CARBON METABOLISM-INVOLVED); transcription factor
A_84_P807280	-1.02918	AT2G39730.1	RCA (RUBISCO ACTIVASE)
A_84_P17678	-1.02886	AT4G38530.1	ATPLC1 (PHOSPHOLIPASE C 1); phospholipase C
A_84_P107652	-1.02839	AT2G38120.1	AUX1 (AUXIN RESISTANT 1); amino acid transmembrane transporter/ transporter

A_84_P11659	-1.02766	AT2G39400.1	hydrolase, alpha/beta fold family protein
A_84_P20359	-1.0272	AT3G57540.1	remorin family protein
A_84_P526889	-1.02715	AT2G17300.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G35320.1)
A_84_P172163	-1.02656	AT1G79910.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G52315.1)
A_84_P219118	-1.02527	AT4G38970.1	fructose-bisphosphate aldolase, putative
A_84_P15232	-1.02359	AT1G49160.1	WNK7 (Arabidopsis WNK kinase 7); kinase
A_84_P13322	-1.01999	AT1G21680.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G21670.1)
A_84_P15571	-1.0198	AT3G44240.1	CCR4-NOT transcription complex protein, putative
A_84_P19956	-1.01948	AT1G76190.1	auxin-responsive family protein
A_84_P236133	-1.01934	AT1G70420.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G23710.1)
A_84_P854492	-1.01873	AT3G21760.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P838708	-1.01706	AT1G20870.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G54850.1)
A_84_P11868	-1.01567	AT3G62260.1	protein phosphatase 2C, putative / PP2C, putative
A_84_P13656	-1.01552	AT3G13450.1	DIN4 (DARK INDUCIBLE 4); 3-methyl-2-oxobutanoate dehydrogenase (2-methylpropanoyl-transferring)
A_84_P17919	-1.01365	AT5G21170.1	5'-AMP-activated protein kinase beta-2 subunit, putative
A_84_P588557	-1.01239	AT4G36830.1	GNS1/SUR4 membrane family protein
A_84_P15920	-1.01224	AT5G44480.1	DUR (DEFECTIVE UGE IN ROOT); catalytic
A_84_P835186	-1.01218	AT3G06778.1	heat shock protein binding / unfolded protein binding
A_84_P21670	-1.01004	AT5G63800.1	BGAL6/MUM2 (MUCILAGE-MODIFIED 2); beta-galactosidase
A_84_P590126	-1.00967	AT3G22540.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G14819.1)
A_84_P261020	-1.00837	AT3G10150.1	ATPAP16/PAP16 (purple acid phosphatase 16); acid phosphatase/ protein serine/threonine phosphatase
A_84_P22367	-1.00754	AT4G28270.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P65394	-1.00731	AT4G03420.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G03610.1)
A_84_P182154	-1.00701	AT5G49730.1	ATFRO6/FRO6 (FERRIC REDUCTION OXIDASE 6); ferric-chelate reductase/ oxidoreductase
A_84_P761775	-1.00697	AT3G04485.1	other RNA
A_84_P22334	-1.00682	AT4G20820.1	FAD-binding domain-containing protein
A_84_P21850	-1.00678	AT1G79700.1	ovule development protein, putative
A_84_P754845	-1.00458	AT1G15772.1	similar to protein binding / transcription cofactor [Arabidopsis thaliana] (TAIR:AT1G15780.1)
A_84_P268920	-1.00283	AT1G21410.1	SKP2A; protein binding
A_84_P198764	-1.00158	AT3G49790.1	ATP binding
A_84_P199944	-1.00057	AT2G36100.1	integral membrane family protein
A_84_P849570	-0.99901	AT1G56220.1	dormancy/auxin associated family protein
A_84_P824668	-0.99892	AT3G01140.1	MYB106 (myb domain protein 106); DNA binding / transcription factor

A_84_P558950	-0.99849	AT3G17130.1	invertase/pectin methylesterase inhibitor family protein
A_84_P10135	-0.99762	AT4G36380.1	ROT3 (ROTUNDIFOLIA 3); oxygen binding / steroid hydroxylase
A_84_P769080	-0.99745	AT5G45469.1	unknown protein
A_84_P504728	-0.99635	AT2G18120.1	SRS4 (SHI-RELATED SEQUENCE 4)
A_84_P573491	-0.99373	AT5G18320.1	armadillo/beta-catenin repeat family protein / U-box domain-containing protein
A_84_P23327	-0.99317	AT1G50640.1	ATERF3/ERF3 (ETHYLENE RESPONSIVE ELEMENT BINDING FACTOR 3)
A_84_P292864	-0.9931	AT3G24460.1	TMS membrane family protein / tumour differentially expressed (TDE) family protein
A_84_P22716	-0.99309	AT1G23050.1	hydroxyproline-rich glycoprotein family protein
A_84_P16470	-0.99209	AT3G23000.1	CIPK7 (CBL-INTERACTING PROTEIN KINASE 7); kinase
A_84_P22790	-0.99105	AT1G11530.1	ATCXXS1 (C-TERMINAL CYSTEINE RESIDUE IS CHANGED TO A SERINE 1)
A_84_P787853	-0.99081	AT3G49580.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G49570.1)
A_84_P14327	-0.99063	AT1G78090.1	ATTPPB (TREHALOSE-6-PHOSPHATE PHOSPHATASE)
A_84_P526191	-0.98865	AT3G28060.1	nodulin MtN21 family protein
A_84_P843011	-0.98837	AT1G07050.1	CONSTANS-like protein-related
A_84_P23377	-0.98755	AT4G37180.1	myb family transcription factor
A_84_P18338	-0.98616	AT3G16770.1	ATEBP/ERF72/RAP2.3 (RELATED TO AP2 3)
A_84_P825052	-0.98549	AT1G53170.1	ATERF-8/ATERF8 (ETHYLENE RESPONSE ELEMENT BINDING FACTOR 4)
A_84_P832965	-0.98459	AT2G38300.1	DNA binding / transcription factor
A_84_P11250	-0.98366	AT5G59570.1	myb family transcription factor
A_84_P272230	-0.98304	AT2G24540.1	AFR (ATTENUATED FAR-RED RESPONSE)
A_84_P21105	-0.98303	AT2G19440.1	glycosyl hydrolase family 17 protein
A_84_P756407	-0.98245	AT2G35950.1	EDA12 (embryo sac development arrest 12)
A_84_P757840	-0.98208	AT2G05995.1	other RNA
A_84_P20630	-0.98164	AT5G38970.1	BR6OX1 (BRASSINOSTEROID-6-OXIDASE); oxygen binding
A_84_P813677	-0.9815	AT5G66390.1	peroxidase 72 (PER72) (P72) (PRXR8)
A_84_P11132	-0.97842	AT5G15230.1	GASA4 (GAST1 PROTEIN HOMOLOG 4)
A_84_P762197	-0.97817	AT3G03341.1	similar to Os01g0644200 [Oryza sativa (japonica cultivar-group)] (GB:NP_001043697.1)
A_84_P12440	-0.97316	AT1G72770.1	HAB1 (HOMOLOGY TO ABI1); protein serine/threonine phosphatase
A_84_P857350	-0.97294	AT1G23130.1	Bet v I allergen family protein
A_84_P21154	-0.97246	AT1G01390.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P172401	-0.97158	AT5G01520.1	zinc finger (C3HC4-type RING finger) family protein

A_84_P13573	-0.96874	AT3G07650.1	COL9 (CONSTANS-LIKE 9); transcription factor/ zinc ion binding
A_84_P555274	-0.96867	AT2G26130.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P756524	-0.96866	AT2G38980.1	similar to fiber protein Fb12, blastp match of 53% identity and 1.2e-13 P-value to GP
A_84_P17099	-0.96827	AT1G32740.1	protein binding / zinc ion binding
A_84_P762101	-0.96713	AT3G04184.1	unknown protein
A_84_P23668	-0.96444	AT1G08570.1	thioredoxin family protein
A_84_P765444	-0.96347	AT4G35025.1	unknown protein
A_84_P18951	-0.96261	AT1G05170.1	galactosyltransferase family protein
A_84_P181414	-0.96189	AT2G16380.1	SEC14 cytosolic factor family protein / phosphoglyceride transfer family protein
A_84_P10418	-0.96158	AT1G51440.1	lipase class 3 family protein
A_84_P570494	-0.95954	AT3G14380.1	integral membrane family protein
A_84_P15545	-0.95862	AT3G13380.1	BRL3 (BRI1-LIKE 3); protein binding / protein kinase
A_84_P23871	-0.95837	AT2G21220.1	auxin-responsive protein, putative
A_84_P14323	-0.9559	AT1G70680.1	caleosin-related family protein
A_84_P21687	-0.95492	AT1G42970.1	GAPB (GLYCERALDEHYDE-3-PHOSPHATE DEHYDROGENASE B SUBUNIT)
A_84_P288834	-0.95487	AT3G59200.1	F-box family protein
A_84_P17613	-0.95473	AT4G22950.1	AGL19 (AGAMOUS-LIKE 19); transcription factor
A_84_P185484	-0.95441	AT5G60050.1	PRLI-interacting factor-related
A_84_P307240	-0.95406	AT2G01670.1	ATNUDT17 (Arabidopsis thaliana Nudix hydrolase homolog 17); hydrolase
A_84_P514938	-0.95317	AT5G19875.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G31940.1)
A_84_P12630	-0.9525	AT3G01490.1	protein kinase, putative
A_84_P19986	-0.95167	AT1G01720.1	ATAF1 (Arabidopsis NAC domain containing protein 2); transcription factor
A_84_P761686	-0.94996	AT3G52605.2	other RNA
A_84_P12186	-0.94979	AT5G57480.1	AAA-type ATPase family protein
A_84_P11078	-0.94929	AT4G16920.1	disease resistance protein (TIR-NBS-LRR class), putative
A_84_P738964	-0.94858	AT3G63445.1	other RNA
A_84_P286640	-0.94754	AT3G48510.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G63350.1)
A_84_P14777	-0.94744	AT4G23400.1	PIP1;5/PIP1D (plasma membrane intrinsic protein 1;5); water channel
A_84_P19130	-0.94597	AT2G46270.1	GBF3 (G-BOX BINDING FACTOR 3); transcription factor
A_84_P12331	-0.94535	AT1G04540.1	C2 domain-containing protein
A_84_P162133	-0.94512	AT4G32290.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G25330.1)
A_84_P291304	-0.94457	AT1G29395.1	COR414-TM1 (cold regulated 414 thylakoid membrane 1)
A_84_P568745	-0.94437	AT3G27250.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G40800.1)
A_84_P13784	-0.94426	AT4G05130.1	equilibrative nucleoside transporter, putative (ENT4)

A_84_P562730	-0.944	AT4G38060.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G65480.1)
A_84_P18282	-0.94311	AT2G45800.1	LIM domain-containing protein
A_84_P10829	-0.94273	AT3G13730.1	CYP90D1 (CYTOCHROME P450, FAMILY 90, SUBFAMILY D, POLYPEPTIDE 1)
A_84_P21936	-0.94204	AT1G77330.1	1-aminocyclopropane-1-carboxylate oxidase, putative / ACC oxidase, putative
A_84_P89919	-0.94008	AT2G31550.1	GDSL-motif lipase/hydrolase family protein
A_84_P827833	-0.93953	AT3G24520.1	AT-HSFC1 (Arabidopsis thaliana heat shock transcription factor C1)
A_84_P14271	-0.93921	AT1G66350.1	RGL1 (RGA-LIKE 1); transcription factor
A_84_P18573	-0.93877	AT4G26080.1	ABI1 (ABA INSENSITIVE 1); calcium ion binding / protein serine/threonine phosphatase
A_84_P751348	-0.93829	AT1G22370.1	ATUGT85A5 (UDP-GLUCOSYL TRANSFERASE 85A5); transferase, transferring glycosyl groups
A_84_P16938	-0.93696	AT5G63190.1	MA3 domain-containing protein
A_84_P14874	-0.93675	AT1G62770.1	invertase/pectin methylesterase inhibitor family protein
A_84_P581411	-0.9354	AT4G32295.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G24150.1)
A_84_P732136	-0.93487	AT2G45315.2	other RNA
A_84_P10923	-0.93386	AT3G62550.1	universal stress protein (USP) family protein
A_84_P581339	-0.93329	AT4G12005.1	unknown protein
A_84_P819419	-0.93263	AT1G58602.1	disease resistance protein (CC-NBS-LRR class), putative
A_84_P16577	-0.93226	AT1G21520.1	unknown protein
A_84_P10719	-0.93148	AT2G01290.1	ribose-5-phosphate isomerase
A_84_P18574	-0.93122	AT4G26220.1	caffeoyl-CoA 3-O-methyltransferase, putative
A_84_P506488	-0.93083	AT2G18440.1	GUT15 (GENE WITH UNSTABLE TRANSCRIPT 15); other RNA
A_84_P833445	-0.93057	AT1G26790.1	Dof-type zinc finger domain-containing protein
A_84_P753488	-0.9295	AT1G13448.1	other RNA
A_84_P75094	-0.92905	AT3G05327.1	similar to CYCP4,1 (cyclin p4,1), cyclin-dependent protein kinase [Arabidopsis thaliana]
A_84_P24130	-0.92749	AT3G54700.1	carbohydrate transmembrane/phosphate transmembrane/sugar:hydrogen ion symporter
A_84_P540713	-0.92614	AT5G42825.1	contains domain Kazal-type serine protease inhibitors (SSF100895)
A_84_P16764	-0.926	AT5G02750.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P757095	-0.92596	AT2G12462.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G15760.1)
A_84_P15930	-0.92479	AT1G29460.1	auxin-responsive protein, putative
A_84_P20139	-0.92243	AT1G19620.1	unknown protein
A_84_P22981	-0.92193	AT2G21880.1	AtRABG2/AtRab7A (Arabidopsis Rab GTPase homolog G2); GTP binding
A_84_P753814	-0.92188	AT1G80555.1	3-isopropylmalate dehydrogenase/ oxidoreductase



A_84_P16156	-0.92118	AT1G32780.1	alcohol dehydrogenase, putative
A_84_P172281	-0.9208	AT5G48850.1	male sterility MS5 family protein
A_84_P22510	-0.92032	AT5G28230.1	pseudogene, similar to glucose-6-phosphate/phosphate-translocator precursor
A_84_P14314	-0.91968	AT1G01380.1	ETC1 (ENHANCER OF TRY AND CPC 1); DNA binding / transcription factor
A_84_P231229	-0.91927	AT4G21930.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G61930.1)
A_84_P254700	-0.91776	AT1G16500.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G79160.1)
A_84_P19702	-0.91765	AT5G44110.1	POP1
A_84_P13475	-0.9162	AT2G11810.1	MGDC (monogalactosyldiacylglycerol synthase type C)
A_84_P53580	-0.91429	AT5G52600.1	AtMYB82 (myb domain protein 82); DNA binding / transcription factor
A_84_P18326	-0.91301	AT3G08730.1	ATPK1 (P70 RIBOSOMAL S6 KINASE); kinase/ protein binding
A_84_P11377	-0.91228	AT1G22890.1	unknown protein
A_84_P578774	-0.91143	AT5G05650.1	similar to FLA17 (FASCICLIN-LIKE ARABINOGALACTAN PROTEIN 17 PRECURSOR)
A_84_P81529	-0.9111	AT2G43060.1	transcription factor
A_84_P16544	-0.90957	AT3G50630.1	ICK2/KRP2 (KIP-RELATED PROTEIN 2)
A_84_P11841	-0.9079	AT3G55500.1	ATEXPA16 (ARABIDOPSIS THALIANA EXPANSIN A16)
A_84_P20163	-0.90781	AT2G38400.1	AGT3 (ALANINE:GLYOXYLATE AMINOTRANSFERASE 3); alanine-glyoxylate transaminase
A_84_P585091	-0.90667	AT5G21910.1	unknown protein
A_84_P158775	-0.90632	AT5G33207.1	transposable element gene
A_84_P15441	-0.90619	AT2G18050.1	HIS1-3 (HISTONE H1-3); DNA binding
A_84_P10203	-0.90599	AT5G24390.1	RabGAP/TBC domain-containing protein
A_84_P183494	-0.90463	AT4G24700.1	unknown protein
A_84_P235073	-0.90433	AT1G73870.1	zinc finger (B-box type) family protein
A_84_P282290	-0.90259	AT5G61340.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G26650.1)
A_84_P11072	-0.90215	AT4G15260.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P761854	-0.902	AT3G48115.1	other RNA
A_84_P13768	-0.90144	AT4G00500.1	lipase class 3 family protein / calmodulin-binding heat-shock protein-related
A_84_P18868	-0.89945	AT5G19730.1	pectinesterase family protein
A_84_P104156	-0.89901	AT5G64230.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G19920.1)
A_84_P816785	-0.89868	AT4G19840.1	ATPP2-A1 (Arabidopsis thaliana phloem protein 2-A1)
A_84_P765186	-0.89828	AT4G37225.1	other RNA
A_84_P10157	-0.89777	AT5G06330.1	hairpin-responsive protein, putative (HIN1)
A_84_P501191	-0.89653	AT2G27402.1	similar to PTAC18 (PLASTID TRANSCRIPTIONALLY ACTIVE18) [Arabidopsis thaliana]

A_84_P14856	-0.89607	AT4G16480.1	ATINT4 (INOSITOL TRANSPORTER 4)
A_84_P22141	-0.89558	AT3G16910.1	AAE7/ACN1 (ACYL-ACTIVATING ENZYME 7); AMP binding / acetate-CoA ligase
A_84_P138519	-0.89513	AT3G27220.1	kelch repeat-containing protein
A_84_P13421	-0.89457	AT1G71770.1	PAB5 (POLY(A)-BINDING PROTEIN); RNA binding
A_84_P786987	-0.89447	AT1G46768.1	RAP2.1 (related to AP2 1); DNA binding / transcription factor
A_84_P231009	-0.89329	AT1G01070.1	nodulin MtN21 family protein
A_84_P23201	-0.89244	AT3G58720.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P12502	-0.89236	AT2G25810.1	TIP4;1 (tonoplast intrinsic protein 4;1); water channel
A_84_P832220	-0.89218	AT1G04300.1	similar to meprin and TRAF homology domain-containing protein / MATH domain-containing protein
A_84_P20636	-0.89102	AT5G40450.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G28770.1)
A_84_P823975	-0.89012	AT1G69935.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G33780.1)
A_84_P22169	-0.8893	AT3G22530.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G14830.1)
A_84_P20373	-0.88761	AT3G61210.1	embryo-abundant protein-related
A_84_P15449	-0.88755	AT2G03500.1	myb family transcription factor
A_84_P22314	-0.88748	AT4G11810.1	SPX (SYG1/Pho81/XPR1) domain-containing protein
A_84_P16603	-0.88715	AT4G00150.1	scarecrow-like transcription factor 6 (SCL6)
A_84_P768720	-0.88644	AT5G38005.1	other RNA
A_84_P20170	-0.8862	AT2G01890.1	PAP8 (PURPLE ACID PHOSPHATASE PRECURSOR); acid phosphatase/ protein serine/threonine phosphatase
A_84_P55550	-0.88564	AT4G32280.1	IAA29 (indoleacetic acid-induced protein 29); transcription factor
A_84_P312543	-0.88521	AT3G52870.1	calmodulin-binding family protein
A_84_P522811	-0.8846	AT4G23720.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G01140.1)
A_84_P268280	-0.88439	AT3G50750.1	brassinosteroid signalling positive regulator-related
A_84_P579370	-0.88394	AT3G04960.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G27980.1)
A_84_P849515	-0.88382	AT1G26665.1	similar to RNA polymerase II mediator complex protein-related
A_84_P16440	-0.88325	AT3G04140.1	ankyrin repeat family protein
A_84_P612892	-0.88305	AT1G17665.1	similar to CA-responsive protein [Brassica oleracea] (GB:ABB83615.1)
A_84_P19566	-0.88218	AT4G37580.1	HLS1 (HOOKLESS 1); N-acetyltransferase
A_84_P867087	-0.88094	AT5G54930.1	AT hook motif-containing protein
A_84_P751557	-0.88072	AT1G19560.1	pseudogene, putative CHP-rich zinc finger protein
A_84_P836743	-0.88001	AT2G33810.1	SPL3 (SQUAMOSA PROMOTER BINDING PROTEIN-LIKE 3); transcription factor
A_84_P754489	-0.87962	AT1G49032.1	unknown protein
A_84_P797883	-0.87934	AT3G18290.1	EMB2454 (EMBRYO DEFECTIVE 2454); protein binding / zinc ion binding

A_84_P59780	-0.878	AT1G18810.1	phytochrome kinase substrate-related
A_84_P805132	-0.87794	AT2G28190.1	CSD2 (COPPER/ZINC SUPEROXIDE DISMUTASE 2); copper, zinc superoxide dismutase
A_84_P561670	-0.87666	AT3G47295.1	unknown protein [
A_84_P10697	-0.87633	AT2G37360.1	ABC transporter family protein
A_84_P157885	-0.87549	AT4G39320.1	microtubule-associated protein-related
A_84_P544283	-0.87544	AT5G48175.1	unknown protein
A_84_P173831	-0.87427	AT1G29195.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G30230.1)
A_84_P58590	-0.87385	AT3G52740.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G44450.1)
A_84_P831180	-0.8733	AT1G77680.1	ribonuclease II family protein
A_84_P544867	-0.87159	AT3G50510.1	LBD28 (LOB DOMAIN-CONTAINING PROTEIN 28)
A_84_P17061	-0.86969	AT1G09570.1	PHYA (PHYTOCHROME A); G-protein coupled photoreceptor/ signal transducer
A_84_P15484	-0.8663	AT3G10910.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P209848	-0.86607	AT1G21460.1	nodulin MtN3 family protein
A_84_P578752	-0.86489	AT4G37685.1	unknown protein
A_84_P530420	-0.86488	AT2G03330.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G11810.1)
A_84_P262520	-0.86451	AT5G55620.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G09950.1)
A_84_P19563	-0.86416	AT4G35970.1	APX5; L-ascorbate peroxidase/ peroxidase
A_84_P22107	-0.86358	AT3G11930.1	universal stress protein (USP) family protein
A_84_P22259	-0.86287	AT1G05770.1	jacalin lectin family protein
A_84_P22105	-0.86278	AT3G04030.1	myb family transcription factor
A_84_P21177	-0.86262	AT3G17611.1	rhomboid family protein / zinc finger protein-related
A_84_P842079	-0.86236	AT1G67195.2	MIR414
A_84_P859685	-0.86192	AT1G68670.1	myb family transcription factor
A_84_P750390	-0.86167	AT1G68800.1	BRC2/TCP12 (BRANCHED2); transcription factor
A_84_P18085	-0.8615	AT1G60950.1	FED A (FERREDOXIN 2)
A_84_P15151	-0.86136	AT1G24130.1	transducin family protein / WD-40 repeat family protein
A_84_P21474	-0.86095	AT4G15380.1	CYP705A4 (cytochrome P450, family 705, subfamily A, polypeptide 4); oxygen binding
A_84_P810056	-0.86061	AT5G46730.1	glycine-rich protein
A_84_P198594	-0.85997	AT1G11850.1	unknown protein
A_84_P18056	-0.85893	AT1G77870.1	MUB5 (MEMBRANE-ANCHORED UBIQUITIN-FOLD PROTEIN 5 PRECURSOR)
A_84_P829583	-0.85846	AT2G37400.1	chloroplast lumen common family protein
A_84_P18928	-0.85834	AT1G77020.1	DNAJ heat shock N-terminal domain-containing protein
A_84_P15225	-0.85758	AT1G08170.1	histone H2B family protein

A_84_P20262	-0.85738	AT1G12790.1	similar to unnamed protein product [ <i>Vitis vinifera</i> ] (GB:CAO44590.1)
A_84_P82909	-0.85576	AT1G17830.1	similar to unknown protein [ <i>Arabidopsis thaliana</i> ] (TAIR:AT1G73210.1)
A_84_P23850	-0.85425	AT2G43520.1	ATTI2 (ARABIDOPSIS THALIANA TRYPSIN INHIBITOR PROTEIN 2); trypsin inhibitor
A_84_P23152	-0.85374	AT3G47380.1	invertase/pectin methylesterase inhibitor family protein
A_84_P14899	-0.85319	AT5G10930.1	CIPK5 (CBL-INTERACTING PROTEIN KINASE 5); kinase
A_84_P757683	-0.85276	AT2G10606.1	MIR396A; miRNA
A_84_P786068	-0.85227	AT3G23430.1	PHO1 (PHOSPHATE 1)
A_84_P124012	-0.85216	AT5G26790.1	unknown protein
A_84_P17237	-0.85195	AT1G64140.1	similar to loricrin-related [ <i>Arabidopsis thaliana</i> ] (TAIR:AT5G64550.1)
A_84_P860770	-0.85094	AT1G34640.1	similar to Os07g0622900 [ <i>Oryza sativa</i> (japonica cultivar-group)] (GB:NP_001060318.1)
A_84_P284470	-0.85046	AT5G05250.1	similar to unknown protein [ <i>Arabidopsis thaliana</i> ] (TAIR:AT3G56360.1)
A_84_P808561	-0.85044	AT5G28450.1	chlorophyll A-B binding protein, chloroplast, putative / LHCI type II CAB, putative
A_84_P20700	-0.85029	AT5G58580.1	ATL63; protein binding / zinc ion binding
A_84_P14999	-0.85008	AT1G64370.1	unknown protein
A_84_P785913	-0.84947	AT4G16490.1	armadillo/beta-catenin repeat family protein
A_84_P275730	-0.84938	AT3G02140.1	TMAC2 (TWO OR MORE ABRES-CONTAINING GENE 2)
A_84_P569772	-0.84841	AT4G16447.1	unknown protein
A_84_P537376	-0.84727	AT1G29420.1	similar to SAUR68 (SMALL AUXIN UPREGULATED 68) [ <i>Arabidopsis thaliana</i> ] (TAIR:AT1G29510.1)
A_84_P19211	-0.84704	AT2G24520.1	AHA5 (ARABIDOPSIS H(+)-ATPASE 5); ATPase
A_84_P14091	-0.84672	AT5G60890.1	ATMYB34/ATR1/MYB34 (ALTERED TRYPTOPHAN REGULATION, MYB DOMAIN PROTEIN 34)
A_84_P22073	-0.84538	AT2G22800.1	HAT9 (homeobox-leucine zipper protein 9); DNA binding / transcription factor
A_84_P22071	-0.84503	AT2G29940.1	ATPDR3/PDR3 (PLEIOTROPIC DRUG RESISTANCE 3)
A_84_P753009	-0.84491	AT1G69587.1	other RNA
A_84_P821615	-0.84478	AT3G24927.1	pseudogene of unknown protein
A_84_P19485	-0.84469	AT4G17880.1	basic helix-loop-helix (bHLH) family protein
A_84_P16280	-0.84455	AT2G19980.1	allergen V5/Tpx-1-related family protein
A_84_P757754	-0.84423	AT2G31585.1	other RNA
A_84_P16852	-0.84388	AT5G40390.1	SIP1 (SEED IMBIBITION 1-LIKE)
A_84_P804582	-0.84295	AT2G36120.1	pseudogene, glycine-rich protein
A_84_P12750	-0.84192	AT3G47430.1	PEX11B
A_84_P16407	-0.841	AT3G01310.1	acid phosphatase/ oxidoreductase/ transition metal ion binding

A_84_P512824	-0.83956	AT3G06870.1	proline-rich family protein
A_84_P20862	-0.83903	AT1G02030.1	zinc finger (C2H2 type) family protein
A_84_P19943	-0.83849	AT1G49450.1	transducin family protein / WD-40 repeat family protein
A_84_P517562	-0.83822	AT5G04045.1	Expressed protein
A_84_P21822	-0.83796	AT1G21000.1	zinc-binding family protein
A_84_P11127	-0.83776	AT5G13630.1	GUN5 (GENOMES UNCOUPLED 5)
A_84_P20176	-0.83743	AT2G44790.1	UCC2 (UCLACYANIN 2); copper ion binding
A_84_P759366	-0.83722	AT3G03700.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G04440.1)
A_84_P20015	-0.83716	AT1G33430.1	galactosyltransferase family protein
A_84_P15840	-0.83697	AT1G31290.1	PAZ domain-containing protein / piwi domain-containing protein
A_84_P13976	-0.83612	AT5G19120.1	aspartic-type endopeptidase/ pepsin A
A_84_P849302	-0.83519	AT4G26795.1	other RNA
A_84_P19660	-0.8344	AT5G24870.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P729570	-0.83398	AT5G02880.1	UPL4 (ubiquitin-protein ligase 4)
A_84_P19080	-0.8337	AT1G19700.1	BEL10/BLH10A (BEL1-LIKE HOMEODOMAIN 10); DNA binding / transcription factor
A_84_P16592	-0.83331	AT3G61900.1	auxin-responsive family protein
A_84_P16055	-0.83297	AT1G35612.1	transposable element gene
A_84_P542156	-0.8328	AT3G27270.1	similar to DNA-binding storekeeper protein-related [Arabidopsis thaliana] (TAIR:AT5G14280.1)
A_84_P19240	-0.83257	AT2G47150.1	short-chain dehydrogenase/reductase (SDR) family protein
A_84_P237873	-0.83201	AT5G04310.1	pectate lyase family protein
A_84_P15979	-0.83196	AT5G60270.1	lectin protein kinase family protein
A_84_P18219	-0.8314	AT1G04770.1	male sterility MS5 family protein
A_84_P755262	-0.83121	AT2G18260.1	SYP112 (syntaxin 112); SNAP receptor
A_84_P513598	-0.83099	AT2G22122.1	unknown protein
A_84_P808897	-0.83084	AT5G66570.1	OE33/OEE1/OEE33/PSBO-1/PSBO1 (OXYGEN-EVOLVING ENHANCER 33); oxygen evolving/ poly(U) binding
A_84_P11180	-0.83076	AT5G40330.1	MYB23 (myb domain protein 23); DNA binding / transcription factor
A_84_P22243	-0.83027	AT3G55700.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P15323	-0.83024	AT1G32240.1	KAN2 (KANADI 2); DNA binding / transcription factor
A_84_P23442	-0.8302	AT5G24380.1	YSL2 (YELLOW STRIPE LIKE 2); oligopeptide transporter
A_84_P11233	-0.82959	AT1G33050.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G10470.1)
A_84_P854032	-0.82912	AT1G10060.1	ATBCAT-1; branched-chain-amino-acid transaminase/ catalytic
A_84_P522030	-0.82882	AT5G14110.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G01950.1)
A_84_P756672	-0.82842	AT2G32690.1	pseudogene, glycine-rich protein
A_84_P10347	-0.82809	AT5G17600.1	zinc finger (C3HC4-type RING finger) family protein

A_84_P298514	-0.82784	AT5G40690.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G41730.1)
A_84_P598586	-0.82707	AT5G66620.1	LIM domain-containing protein
A_84_P22519	-0.82696	AT5G38130.1	transferase family protein
A_84_P11862	-0.82624	AT3G60690.1	auxin-responsive family protein
A_84_P177214	-0.82561	AT5G19600.1	SULTR3;5; sulfate transmembrane transporter
A_84_P11687	-0.82546	AT3G01350.1	proton-dependent oligopeptide transport (POT) family protein
A_84_P19801	-0.82359	AT5G17040.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P567922	-0.82343	AT3G59250.1	F-box family protein
A_84_P764211	-0.82296	AT4G04692.1	pseudogene of unknown protein
A_84_P501033	-0.82265	AT1G50830.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G51538.1)
A_84_P758588	-0.82073	AT2G30766.1	unknown protein
A_84_P824195	-0.82005	AT2G23690.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G37240.1)
A_84_P756412	-0.81865	AT2G15030.1	pseudogene, similar to LD40380p, blastp match of 31% identity and 2.1e-06 P-value to GP
A_84_P17183	-0.81749	AT1G67070.1	DIN9 (DARK INDUCIBLE 9); mannose-6-phosphate isomerase
A_84_P23231	-0.81732	AT4G01970.1	ATSTS (ARABIDOPSIS THALIANA STACHYOSE SYNTHASE)
A_84_P833368	-0.81711	AT4G25270.1	pentatricopeptide (PPR) repeat-containing protein
A_84_P241489	-0.81709	AT4G24130.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G56580.1)
A_84_P12783	-0.81692	AT3G54990.1	SMZ (SCHLAFMUTZE); DNA binding / transcription factor
A_84_P517340	-0.81533	AT3G24140.1	FMA (FAMA); DNA binding / transcription activator/ transcription factor
A_84_P832800	-0.81503	AT4G35270.1	RWP-RK domain-containing protein
A_84_P761356	-0.81477	AT3G61898.1	unknown protein
A_84_P19925	-0.81452	AT1G03020.1	glutaredoxin family protein
A_84_P12478	-0.81403	AT1G54260.1	histone H1/H5 family protein
A_84_P297344	-0.81395	AT5G23240.1	DNAJ heat shock N-terminal domain-containing protein
A_84_P18601	-0.81381	AT4G32260.1	ATP synthase family
A_84_P23898	-0.81318	AT2G46660.1	CYP78A6 (cytochrome P450, family 78, subfamily A, polypeptide 6); oxygen binding
A_84_P756471	-0.8115	AT2G29280.1	pseudogene, tropinone reductase, blastp match of 46% identity and 2.4e-09 P-value to SP
A_84_P23522	-0.81114	AT5G53970.1	aminotransferase, putative
A_84_P16077	-0.81037	AT1G05100.1	MAPKKK18 (Mitogen-activated protein kinase kinase kinase 18); kinase
A_84_P11008	-0.80998	AT4G25750.1	ABC transporter family protein
A_84_P16672	-0.80946	AT4G24140.1	hydrolase, alpha/beta fold family protein
A_84_P117182	-0.80938	AT3G05890.1	RCI2B (RARE-COLD-INDUCIBLE 2B)
A_84_P569474	-0.80935	AT2G27385.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G22430.1)
A_84_P106762	-0.80932	AT3G25930.1	universal stress protein (USP) family protein

A_84_P147888	-0.80919	AT4G23450.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P835999	-0.80896	AT1G59740.1	proton-dependent oligopeptide transport (POT) family protein
A_84_P533306	-0.80842	AT3G25855.1	metal ion binding
A_84_P842252	-0.80803	AT1G19640.1	JMT (JASMONIC ACID CARBOXYL METHYLTRANSFERASE); jasmonate O-methyltransferase
A_84_P300900	-0.80768	AT2G17470.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G25480.1)
A_84_P519526	-0.80685	AT3G22100.1	basic helix-loop-helix (bHLH) family protein
A_84_P750667	-0.80532	AT1G11540.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G61740.1)
A_84_P12302	-0.8053	AT1G62510.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P63754	-0.8052	AT5G54585.1	unknown protein
A_84_P863936	-0.80403	AT1G76930.1	ATEXT4 (EXTENSIN 4)
A_84_P16596	-0.80356	AT3G62820.1	invertase/pectin methylesterase inhibitor family protein
A_84_P756973	-0.80331	AT2G04032.1	ZIP7 (ZINC TRANSPORTER 7 PRECURSOR); cation transmembrane transporter
A_84_P14587	-0.80245	AT3G14440.1	NCED3 (NINE-CIS-EPOXYCAROTENOID DIOXYGENASE3)
A_84_P830421	-0.80128	AT1G26150.1	protein kinase
A_84_P21451	-0.80104	AT4G35090.1	CAT2 (CATALASE 2); catalase
A_84_P590959	-0.8009	AT3G03180.1	Got1-like family protein
A_84_P838015	-0.80072	AT4G02760.1	F-box family protein
A_84_P21871	-0.80038	AT1G66540.1	cytochrome P450, putative
A_84_P14585	-0.79894	AT3G16800.1	protein phosphatase 2C, putative / PP2C, putative
A_84_P12029	-0.79823	AT4G37220.1	stress-responsive protein, putative
A_84_P11528	-0.79707	AT1G76130.1	AMY2/ATAMY2 (ALPHA-AMYLASE-LIKE 2); alpha-amylase
A_84_P537852	-0.79638	AT4G14830.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G22530.1)
A_84_P826352	-0.79635	AT1G16750.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G13000.2)
A_84_P286060	-0.7958	AT5G04880.1	pseudogene of ABC transporter family protein
A_84_P18803	-0.79543	AT5G57050.1	ABI2 (ABA INSENSITIVE 2); protein serine/threonine phosphatase
A_84_P19988	-0.79493	AT1G12780.1	UGE1 (UDP-D-GLUCOSE/UDP-D-GALACTOSE 4-EPIMERASE 1); UDP-glucose 4-epimerase/ protein dimerization
A_84_P22462	-0.79318	AT5G09930.1	ATGCN2 (Arabidopsis thaliana general control non-repressible 2)
A_84_P822806	-0.79251	AT1G03610.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G03420.1)
A_84_P188714	-0.79218	AT3G06390.1	integral membrane family protein
A_84_P13409	-0.79218	AT1G17090.1	unknown protein
A_84_P858602	-0.79146	AT3G12710.1	methyladenine glycosylase family protein
A_84_P15705	-0.79132	AT4G18830.1	ATOF5/OPF5 (ARABIDOPSIS THALIANA OVATE FAMILY PROTEIN 5)
A_84_P206348	-0.79027	AT1G60060.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G53900.2)

A_84_P753485	-0.79025	AT1G80325.2	other RNA
A_84_P10694	-0.78996	AT2G37640.1	ATEXPA3 (ARABIDOPSIS THALIANA EXPANSIN A3)
A_84_P23348	-0.78987	AT4G36230.1	pseudogene, glycine-rich protein, glycine-rich protein GRP22, rape, PIR2:S31415
A_84_P12061	-0.78899	AT5G10170.1	inositol-3-phosphate synthase
A_84_P249725	-0.78893	AT2G42620.1	MAX2 (MORE AXILLARY BRANCHES 2); ubiquitin-protein ligase
A_84_P847119	-0.78826	AT5G62360.1	invertase/pectin methylesterase inhibitor family protein
A_84_P20354	-0.78802	AT3G56300.1	tRNA synthetase class I (C) family protein
A_84_P21865	-0.78764	AT1G76570.1	chlorophyll A-B binding family protein
A_84_P22325	-0.78723	AT4G18450.1	ethylene-responsive factor, putative
A_84_P61190	-0.7863	AT1G18610.1	kelch repeat-containing protein
A_84_P22769	-0.78593	AT1G11700.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G61930.1)
A_84_P597346	-0.7855	AT3G58350.1	meprin and TRAF homology domain-containing protein / MATH domain-containing protein
A_84_P791069	-0.78536	AT5G58340.1	DNA binding
A_84_P20653	-0.78501	AT5G45220.1	Toll-Interleukin-Resistance (TIR) domain-containing protein
A_84_P823664	-0.78469	AT1G08550.1	NPQ1 (NON-PHOTOCHEMICAL QUENCHING 1)
A_84_P11917	-0.78297	AT4G13180.1	short-chain dehydrogenase/reductase (SDR) family protein
A_84_P14852	-0.7818	AT4G15300.1	CYP702A2 (cytochrome P450, family 702, subfamily A, polypeptide 2); oxygen binding
A_84_P225469	-0.78102	AT5G52420.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G23920.1)
A_84_P188764	-0.78055	AT4G04330.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO69665.1)
A_84_P235463	-0.78049	AT3G20450.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G11905.1)
A_84_P564195	-0.78014	AT2G42900.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO70018.1)
A_84_P534522	-0.77966	AT5G48485.1	DIR1 (DEFECTIVE IN INDUCED RESISTANCE 1); lipid binding
A_84_P10804	-0.77947	AT1G26770.1	ATEXPA10 (ARABIDOPSIS THALIANA EXPANSIN A10)
A_84_P19587	-0.77887	AT1G19370.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G75140.1)
A_84_P21592	-0.7785	AT5G43500.1	ATARP9 (ACTIN-RELATED PROTEIN 9); protein binding
A_84_P10472	-0.77782	AT1G79460.1	GA2 (GA REQUIRING 2); ent-kaurene synthase
A_84_P20525	-0.77636	AT4G14480.1	protein kinase family protein
A_84_P255130	-0.77593	AT1G04800.1	glycine-rich protein
A_84_P163753	-0.77523	AT1G28960.1	ATNUDT15 (ARABIDOPSIS THALIANA NUDIX HYDROLASE HOMOLOG 15); hydrolase
A_84_P124232	-0.77471	AT2G28420.1	lactoylglutathione lyase family protein / glyoxalase I family protein
A_84_P281740	-0.77448	AT1G78070.1	WD-40 repeat family protein
A_84_P10083	-0.77404	AT4G30290.1	ATXTH19 (XYLOGLUCAN ENDOTRANSGLUCOSYLASE/HYDROLASE 19); hydrolase, acting on



A_84_P125091	-0.77397	AT3G04860.1	glycosyl bonds
A_84_P19003	-0.77344	AT1G02950.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G28150.1) ATGSTF4 (GLUTATHIONE S-TRANSFERASE 31); glutathione transferase
A_84_P15302	-0.77307	AT1G20010.1	TUB5 (tubulin beta-5 chain)
A_84_P813422	-0.77106	AT3G48740.1	nodulin MtN3 family protein
A_84_P753197	-0.77095	AT1G44191.1	DNA binding / ligand-dependent nuclear receptor
A_84_P564098	-0.76958	AT2G14247.1	Expressed protein
A_84_P17510	-0.76931	AT1G23870.1	ATTPS9 (Arabidopsis thaliana trehalose-phosphatase/synthase 9)
A_84_P56060	-0.76875	AT4G05150.1	octicosapeptide/Phox/Bem1p (PB1) domain-containing protein
A_84_P786342	-0.76835	AT5G24735.1	other RNA
A_84_P590067	-0.76815	AT3G05340.1	pentatricopeptide (PPR) repeat-containing protein
A_84_P21407	-0.76786	AT4G25260.1	invertase/pectin methylesterase inhibitor family protein
A_84_P858244	-0.76764	AT1G23040.1	hydroxyproline-rich glycoprotein family protein
A_84_P22051	-0.76651	AT2G19450.1	TAG1 (TRIACYLGLYCEROL BIOSYNTHESIS DEFECT 1); diacylglycerol O-acyltransferase
A_84_P758431	-0.76502	AT2G45685.1	other RNA
A_84_P759889	-0.76487	AT3G44420.2	transposable element gene
A_84_P17433	-0.76446	AT3G20080.1	CYP705A15 (cytochrome P450, family 705, subfamily A, polypeptide 15); oxygen binding
A_84_P283660	-0.76278	AT2G42040.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO23408.1)
A_84_P21485	-0.76272	AT4G37150.1	esterase, putative
A_84_P16515	-0.7627	AT1G02770.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G19060.1)
A_84_P800943	-0.76116	AT4G15550.1	IAGLU (INDOLE-3-ACETATE BETA-D-GLUCOSYLTRANSFERASE)
A_84_P10992	-0.76083	AT4G21990.1	APR3 (APS REDUCTASE 3)
A_84_P191954	-0.76076	AT1G77270.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G07730.1)
A_84_P596218	-0.75991	AT2G25130.1	armadillo/beta-catenin repeat family protein
A_84_P264970	-0.75958	AT3G27770.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G62960.1)
A_84_P785047	-0.75889	AT2G36780.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P15006	-0.75879	AT5G53200.1	TRY (TRIPTYCHON); DNA binding / transcription factor
A_84_P825311	-0.75861	AT5G23460.1	unknown protein
A_84_P603659	-0.75832	AT4G21310.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G32280.1)
A_84_P15486	-0.7583	AT3G05880.1	RCI2A (RARE-COLD-INDUCIBLE 2A)
A_84_P65284	-0.75789	AT1G07900.1	LBD1 (LOB DOMAIN-CONTAINING PROTEIN 1)
A_84_P16734	-0.75784	AT4G38850.1	SAUR_AC1 (SMALL AUXIN UP RNA 1 FROM ARABIDOPSIS THALIANA ECOTYPE COLUMBIA)
A_84_P217518	-0.75775	AT1G79270.1	ECT8 (evolutionarily conserved C-terminal region 8)

A_84_P585407	-0.75661	AT1G58520.1	RXW8
A_84_P809606	-0.75647	AT2G45180.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P797499	-0.75635	AT5G11430.1	transcription elongation factor-related
A_84_P271080	-0.75608	AT3G56600.1	inositol or phosphatidylinositol kinase
A_84_P23199	-0.75484	AT3G58070.1	GIS (GLABROUS INFLORESCENCE STEMS); nucleic acid binding / transcription factor/ zinc ion binding
A_84_P23435	-0.75465	AT5G22290.1	ANAC089 (Arabidopsis NAC domain containing protein 89); transcription factor
A_84_P267350	-0.75373	AT3G07500.1	far-red impaired responsive family protein / FAR1 family protein
A_84_P754978	-0.75363	AT2G41000.1	heat shock protein binding / ubiquinol-cytochrome-c reductase
A_84_P18034	-0.75299	AT1G78510.1	SPS1 (SOLANESYL DIPHOSPHATE SYNTHASE 1)
A_84_P17709	-0.75282	AT5G02510.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G32440.1)
A_84_P769584	-0.75218	AT5G40316.1	other RNA
A_84_P521515	-0.75217	AT1G71140.1	MATE efflux family protein
A_84_P17768	-0.75177	AT5G24850.1	CRY3 (CRYPTOCHROME 3); DNA binding / DNA photolyase/ FMN binding
A_84_P806618	-0.7513	AT2G26080.1	ATGLDP2 (ARABIDOPSIS THALIANA GLYCINE DECARBOXYLASE P-PROTEIN 2)
A_84_P257810	-0.75086	AT1G69310.1	WRKY57 (WRKY DNA-binding protein 57); transcription factor
A_84_P23854	-0.75014	AT2G31810.1	acetolactate synthase small subunit, putative
A_84_P538534	-0.75003	AT2G47360.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G02570.1)47360.1]
A_84_P13052	-0.74941	AT5G28010.1	Bet v I allergen family protein
A_84_P304810	-0.74891	AT3G23450.1	similar to unnamed protein product, blastp match of 19% identity and 2.8e-15 P-value to GP
A_84_P803586	-0.74881	AT4G34881.1	unknown protein
A_84_P200494	-0.74873	AT5G40960.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G48660.1)
A_84_P12117	-0.7475	AT1G55960.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G13062.2)
A_84_P846427	-0.74642	AT2G29900.1	presenilin family protein
A_84_P760622	-0.74641	AT3G56275.1	pseudogene of unknown protein
A_84_P16766	-0.74514	AT5G03640.1	protein kinase family protein
A_84_P19318	-0.74491	AT3G22060.1	receptor protein kinase-related
A_84_P10091	-0.74485	AT4G32150.1	VAMP7C (VESICLE-ASSOCIATED MEMBRANE PROTEIN 7C)
A_84_P12894	-0.74455	AT4G24960.1	ATHVA22D (Arabidopsis thaliana HVA22 homologue D)
A_84_P859545	-0.74375	AT2G38210.1	PDX1L4 (PUTATIVE PDX1-LIKE PROTEIN 4)
A_84_P855524	-0.7432	AT4G17790.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G71940.1)
A_84_P155475	-0.74315	AT4G35060.1	heavy-metal-associated domain-containing protein / copper chaperone

A_84_P532282	-0.7431	AT2G37300.1	(CCH)-related
A_84_P11618	-0.74306	AT1G07730.2	unknown protein
A_84_P51800	-0.74296	AT3G23210.1	disease resistance-responsive family protein
A_84_P10055	-0.74214	AT4G24240.1	basic helix-loop-helix (bHLH) family protein
A_84_P510878	-0.74203	AT1G75000.1	WRKY7 (WRKY DNA-binding protein 7); transcription factor
A_84_P87679	-0.7412	AT1G27360.1	GNS1/SUR4 membrane family protein
A_84_P819114	-0.74107	AT1G70480.1	squamosa promoter-binding protein-like 11 (SPL11)
A_84_P17960	-0.74102	AT1G01580.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G23560.1)
A_84_P760097	-0.74062	AT3G52910.1	FRO2 (FERRIC REDUCTION OXIDASE 2); ferric-chelate reductase
A_84_P63534	-0.74028	AT1G64230.1	AtGRF4 (GROWTH-REGULATING FACTOR 4)
A_84_P18267	-0.73966	AT2G19650.1	UBC28; ubiquitin-protein ligase
A_84_P826703	-0.73891	AT2G23340.1	DC1 domain-containing protein
A_84_P10466	-0.73871	AT1G10460.1	AP2 domain-containing transcription factor, putative
			GLP7 (GERMIN-LIKE PROTEIN 7); manganese ion binding / metal ion binding / nutrient reservoir
A_84_P157605	-0.73867	AT2G31940.1	oxidoreductase/ transition metal ion binding
A_84_P845713	-0.73843	AT1G30820.1	CTP synthase, putative / UTP--ammonia ligase, putative
A_84_P20631	-0.73824	AT1G73580.1	C2 domain-containing protein
A_84_P87549	-0.73817	AT3G17609.1	HYH (HY5-HOMOLOG); DNA binding / transcription factor
A_84_P23477	-0.73798	AT5G41410.1	BEL1 (BELL 1); DNA binding / transcription factor
A_84_P13046	-0.73732	AT5G26200.1	mitochondrial substrate carrier family protein
A_84_P171983	-0.73718	AT1G67860.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G67865.1)
A_84_P229959	-0.73674	AT2G32765.1	SUM5 (SUMO 5)
A_84_P156915	-0.73604	AT5G43790.1	pentatricopeptide (PPR) repeat-containing protein
A_84_P750030	-0.73596	AT1G73445.1	transposable element gene
A_84_P21761	-0.73533	AT1G64500.1	glutaredoxin family protein
A_84_P172581	-0.73508	AT3G03440.1	armadillo/beta-catenin repeat family protein
A_84_P548023	-0.73499	AT1G31200.1	ATPP2-A9 (Phloem protein 2-A9); carbohydrate binding
A_84_P500346	-0.73336	AT2G38905.1	hydrophobic protein, putative / low temperature and salt responsive protein, putative
A_84_P238673	-0.73305	AT5G28640.1	AN3 (ANGUSITFOLIA3)
A_84_P19357	-0.73254	AT3G44990.1	XTR8 (xyloglucan:xyloglucosyl transferase 8); hydrolase, acting on glycosyl bonds
A_84_P98456	-0.73246	AT1G01030.1	NGA3 (NGATHA3); transcription factor
A_84_P301340	-0.7321	AT1G80120.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G15810.1)
A_84_P787198	-0.73209	AT5G42680.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G39610.1)
A_84_P22788	-0.73145	AT1G65870.1	disease resistance-responsive family protein

A_84_P582570	-0.73124	AT5G51530.1	ubiquitin carboxyl-terminal hydrolase-related
A_84_P803506	-0.72994	AT3G30775.1	ERD5 (EARLY RESPONSIVE TO DEHYDRATION 5); proline dehydrogenase
A_84_P856020	-0.72928	AT3G04445.1	pseudogene, putative polyribonucleotide phosphorylase
A_84_P855355	-0.7283	AT5G49740.1	ATFRO7/FRO7 (FERRIC REDUCTION OXIDASE 7); ferric-chelate reductase/ oxidoreductase
A_84_P831596	-0.72736	AT4G22760.1	pentatricopeptide (PPR) repeat-containing protein
A_84_P279540	-0.72679	AT4G34630.1	similar to CM0216.450.nc [Lotus japonicus] (GB:BAF98581.1)
A_84_P539392	-0.72656	AT2G38465.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO61577.1)
A_84_P568614	-0.72547	AT2G37720.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G64020.1)(InterPro:IPR004253)
A_84_P561605	-0.72525	AT3G15115.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G53180.1)
A_84_P512722	-0.72525	AT2G25690.1	senescence-associated protein-related
A_84_P80359	-0.72504	AT1G76460.1	RNA recognition motif (RRM)-containing protein
A_84_P12182	-0.72503	AT5G56300.1	GAMT2; S-adenosylmethionine-dependent methyltransferase/ gibberellin carboxyl-O-methyltransferase
A_84_P11713	-0.72485	AT3G02980.1	GCN5-related N-acetyltransferase (GNAT) family protein
A_84_P552006	-0.72437	AT4G11655.1	transmembrane protein, putative
A_84_P24030	-0.72435	AT3G21700.1	GTP binding
A_84_P15489	-0.72426	AT1G53090.1	SPA4 (SPA1-RELATED 4); signal transducer
A_84_P15706	-0.72348	AT4G19070.1	cadmium-responsive protein / cadmium induced protein (AS8)
A_84_P14429	-0.72336	AT2G41340.1	eukaryotic rpb5 RNA polymerase subunit family protein
A_84_P15056	-0.72203	AT5G65710.1	HSL2 (HAESA-LIKE 2); ATP binding / kinase/ protein serine/threonine kinase
A_84_P754167	-0.72201	AT1G46554.1	other RNA
A_84_P849989	-0.7219	AT1G21590.1	protein kinase family protein
A_84_P11699	-0.72189	AT3G06410.1	nucleic acid binding
A_84_P536812	-0.72177	AT3G14595.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G17080.1)
A_84_P851922	-0.72108	AT2G46920.1	POL (POLTERGEIST); protein serine/threonine phosphatase
A_84_P765122	-0.72103	AT4G04223.1	other RNA
A_84_P304930	-0.72073	AT3G60520.1	zinc ion binding
A_84_P593573	-0.72064	AT2G30820.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G06660.1)
A_84_P565849	-0.72054	AT1G78995.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO41778.1)
A_84_P855116	-0.71983	AT2G30620.1	histone H1.2
A_84_P132215	-0.71934	AT3G54680.1	proteophosphoglycan-related
A_84_P554291	-0.71913	AT1G68230.1	reticulon family protein (RTNLB14)
A_84_P830631	-0.71658	AT3G16940.1	calmodulin-binding protein

A_84_P751876	-0.71656	AT1G11803.1	pseudogene, auxin responsive protein, blastp match of 74% identity and 1.2e-15 P-value to GP
A_84_P10193	-0.71621	AT5G18600.1	glutaredoxin family protein
A_84_P169283	-0.71602	AT5G06570.1	hydrolase
A_84_P821989	-0.71579	AT3G01560.1	proline-rich family protein
A_84_P17695	-0.71565	AT4G16790.1	hydroxyproline-rich glycoprotein family protein
A_84_P10136	-0.71551	AT4G36670.1	mannitol transporter, putative
A_84_P209238	-0.71489	AT5G20520.1	WAV2 (WAVY GROWTH 2)
A_84_P148728	-0.71445	AT1G08980.1	ATAMI1 (AMIDASE-LIKE PROTEIN 1); amidase
A_84_P92419	-0.71369	AT4G09745.1	transposable element gene
A_84_P22178	-0.71328	AT3G27150.1	kelch repeat-containing F-box family protein
A_84_P14113	-0.71256	AT5G66150.1	glycosyl hydrolase family 38 protein
A_84_P757744	-0.71248	AT2G21187.1	other RNA
A_84_P11486	-0.71205	AT1G28580.1	GDSL-motif lipase, putative
A_84_P775848	-0.71108	AT2G22821.1	other RNA
A_84_P255380	-0.71038	AT1G16850.1	unknown protein
A_84_P753369	-0.70961	AT1G60525.1	other RNA
A_84_P19613	-0.70953	AT1G06570.1	PDS1 (PHYTOENE DESATURATION 1)
A_84_P243235	-0.70912	AT1G26600.1	CLE9 (CLAVATA3/ESR-RELATED 9); receptor binding
A_84_P750806	-0.70895	AT1G31983.1	pseudogene, hypothetical protein
A_84_P20656	-0.7087	AT5G46050.1	ATPTR3/PTR3 (PEPTIDE TRANSPORTER PROTEIN 3); transporter
A_84_P16494	-0.7087	AT3G21870.1	CYCP2;1 (cyclin p2;1); cyclin-dependent protein kinase
A_84_P15787	-0.70863	AT4G38650.1	glycosyl hydrolase family 10 protein
A_84_P23581	-0.70851	AT5G15770.1	ATGNA1 (ARABIDOPSIS THALIANA GLUCOSE-6-PHOSPHATE ACETYLTRANSFERASE 1)
A_84_P21003	-0.70795	AT2G41900.1	zinc finger (CCCH-type) family protein
A_84_P524838	-0.70746	AT5G66740.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G75160.1)
A_84_P279890	-0.70706	AT5G22610.1	F-box family protein
A_84_P240515	-0.70698	AT5G24660.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G24655.1)
A_84_P768748	-0.70676	AT5G44562.1	other RNA
A_84_P169223	-0.70628	AT3G48310.1	CYP71A22 (cytochrome P450, family 71, subfamily A, polypeptide 22); oxygen binding
A_84_P829789	-0.70617	AT1G74130.1	rhomboid family protein
A_84_P22819	-0.70541	AT1G35910.1	trehalose-6-phosphate phosphatase, putative
A_84_P800764	-0.70509	AT4G39090.1	RD19 (RESPONSIVE TO DEHYDRATION 19); cysteine-type peptidase
A_84_P753864	-0.7048	AT1G67365.1	other RNA
A_84_P153218	-0.70407	AT4G21780.1	similar to unknown [Populus trichocarpa] (GB:ABK93184.1)

A_84_P178304	-0.70386	AT4G15690.1	glutaredoxin family protein
A_84_P18793	-0.7037	AT5G54080.1	HGO (HOMOGENTISATE 1,2-DIOXYGENASE); homogentisate 1,2-dioxygenase
A_84_P51830	-0.70114	AT2G33360.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G04490.1)
A_84_P20298	-0.70037	AT3G43190.1	SUS4; UDP-glycosyltransferase/ sucrose synthase/ transferase, transferring glycosyl groups
A_84_P16655	-0.70028	AT4G19850.1	ATPP2-A2 (Arabidopsis thaliana phloem protein 2-A2); carbohydrate binding
A_84_P590913	-0.70017	AT2G36980.1	pentatricopeptide (PPR) repeat-containing protein
A_84_P801414	-0.6998	AT3G48460.1	GDSL-motif lipase/hydrolase family protein
A_84_P550701	-0.69969	AT1G49990.1	Identical to F-box protein At1g49990 [Arabidopsis Thaliana] (GB:Q9LPM2)
A_84_P22009	-0.69952	AT2G45660.1	AGL20 (AGAMOUS-LIKE 20); transcription factor
A_84_P22872	-0.69952	AT1G78940.1	protein kinase family protein
A_84_P10432	-0.6993	AT1G62180.1	APR2 (5'ADENYLYLPHOSPHOSULFATE REDUCTASE 2)
A_84_P763170	-0.69906	AT4G35170.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G41990.1)
A_84_P523260	-0.69882	AT1G63960.1	contains domain PTHR22814 (PTHR22814); contains domain PTHR22814:SF5 (PTHR22814:SF5)
A_84_P836333	-0.69867	AT3G22150.1	pentatricopeptide (PPR) repeat-containing protein
A_84_P22442	-0.69838	AT5G03720.1	AT-HSFA3 (Arabidopsis thaliana heat shock transcription factor A3)
A_84_P55070	-0.69837	AT4G13030.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO18001.1); contains domain SSF52540
A_84_P14677	-0.69824	AT3G55800.1	SBPASE (SEDOHEPTULOSE-BISPHOSPHATASE); phosphoric ester hydrolase/ sedoheptulose-bisphosphatase
A_84_P13586	-0.6981	AT3G10680.1	heat shock protein-related
A_84_P754348	-0.69804	AT1G55152.1	unknown protein
A_84_P23059	-0.69799	AT3G02850.1	SKOR (stelar K <sup>+</sup> outward rectifier)
A_84_P113062	-0.69714	AT5G22140.1	pyridine nucleotide-disulphide oxidoreductase family protein
A_84_P858394	-0.69692	AT1G10660.2	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G62960.1)
A_84_P14335	-0.69642	AT1G75810.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO60969.1)
A_84_P117052	-0.69589	AT3G25640.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G23100.1)
A_84_P823176	-0.69579	AT4G01280.1	myb family transcription factor
A_84_P20950	-0.69571	AT1G72610.1	GLP1 (GERMIN-LIKE PROTEIN 1); manganese ion binding / metal ion binding / nutrient reservoir
A_84_P21493	-0.69558	AT5G02540.1	short-chain dehydrogenase/reductase (SDR) family protein
A_84_P22208	-0.69531	AT3G47750.1	ATATH3 (ABC2 homolog 3); ATPase, coupled to transmembrane movement of substances
A_84_P21478	-0.69526	AT4G16640.1	matrix metalloproteinase, putative

A_84_P845921	-0.69397	AT3G20100.1	CYP705A19 (cytochrome P450, family 705, subfamily A, polypeptide 19); oxygen binding
A_84_P18159	-0.69393	AT1G58370.1	RXF12; hydrolase, hydrolyzing O-glycosyl compounds
A_84_P15595	-0.69381	AT3G49970.1	phototropic-responsive protein, putative
A_84_P13311	-0.69363	AT1G20840.1	TMT1 (TONOPLAST MONOSACCHARIDE TRANSPORTER1)
A_84_P859116	-0.69339	AT3G60130.1	glycosyl hydrolase family 1 protein / beta-glucosidase, putative (YLS1)
A_84_P290444	-0.69324	AT2G45830.1	DTA2 (DOWNSTREAM TARGET OF AGL15 2)
A_84_P819560	-0.69322	AT4G00780.1	meprin and TRAF homology domain-containing protein / MATH domain-containing protein
A_84_P19185	-0.69303	AT2G21140.1	ATPRP2 (PROLINE-RICH PROTEIN 2)
A_84_P14584	-0.69293	AT3G26280.1	CYP71B4 (cytochrome P450, family 71, subfamily B, polypeptide 4); oxygen binding
A_84_P765664	-0.69238	AT4G37682.1	similar to glycine-rich protein [Arabidopsis thaliana] (TAIR:AT4G37900.1)
A_84_P16701	-0.6921	AT4G30350.1	heat shock protein-related
A_84_P271970	-0.69176	AT5G06280.1	similar to hypothetical protein [Vitis vinifera] (GB:CAN67410.1)
A_84_P24135	-0.6912	AT3G55710.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P11809	-0.69084	AT3G48530.1	KING1 (SNF1-RELATED PROTEIN KINASE REGULATORY SUBUNIT GAMMA 1)
A_84_P578925	-0.69026	AT5G56700.1	F-box protein-related
A_84_P200184	-0.69015	AT4G09490.1	RNase H domain-containing protein
A_84_P273780	-0.68982	AT1G49470.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G55230.1)
A_84_P11857	-0.68934	AT1G05760.1	RTM1 (RESTRICTED TEV MOVEMENT 1)
A_84_P297484	-0.68907	AT1G09483.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G09470.1)
A_84_P788334	-0.68842	AT2G26355.1	other RNA
A_84_P22876	-0.68831	AT1G80170.1	polygalacturonase, putative / pectinase, putative
A_84_P754171	-0.68787	AT1G52342.1	unknown protein
A_84_P83479	-0.68773	AT2G10940.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P106502	-0.68747	AT3G08570.1	phototropic-responsive protein, putative
A_84_P836579	-0.68688	AT1G63690.1	protease-associated (PA) domain-containing protein
A_84_P22050	-0.68663	AT1G07590.1	pentatricopeptide (PPR) repeat-containing protein
A_84_P707913	-0.68568	AT2G01918.1	calcium ion binding
A_84_P769399	-0.68517	AT5G03285.1	other RNA
A_84_P19255	-0.68456	AT1G01190.1	CYP78A8 (cytochrome P450, family 78, subfamily A, polypeptide 8); oxygen binding
A_84_P810188	-0.6845	AT5G03240.1	UBQ3 (POLYUBIQUITIN 3); protein binding
A_84_P10533	-0.68428	AT1G75380.1	wound-responsive protein-related
A_84_P836914	-0.6839	AT3G21790.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein

A_84_P518483	-0.6835	AT5G16740.1	amino acid transporter family protein
A_84_P591139	-0.68269	AT4G04370.1	pentatricopeptide (PPR) repeat-containing protein
A_84_P815367	-0.68186	AT5G25265.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G25260.1)
A_84_P16802	-0.68155	AT5G14470.1	GHMP kinase-related
A_84_P20183	-0.68143	AT2G29060.1	scarecrow transcription factor family protein
A_84_P577108	-0.67995	AT5G45520.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G45500.1)
A_84_P801733	-0.67979	AT2G16895.1	pseudogene
A_84_P867822	-0.67938	AT2G25964.1	unknown protein
A_84_P16018	-0.67797	AT5G17450.1	heavy-metal-associated domain-containing protein / copper chaperone (CCH)-related
A_84_P790287	-0.67722	AT1G61215.1	BRD4 (BROMODOMAIN 4); DNA binding
A_84_P18648	-0.67596	AT4G37320.1	CYP81D5 (cytochrome P450, family 81, subfamily D, polypeptide 5); oxygen binding
A_84_P16745	-0.67567	AT4G15500.1	UGT84A4; UDP-glycosyltransferase/ sinapate 1-glucosyltransferase/ transferase
A_84_P21366	-0.67564	AT4G11330.1	ATMPK5 (MAP KINASE 5); MAP kinase/ kinase
A_84_P297924	-0.67525	AT3G06210.1	binding
A_84_P784727	-0.675	AT5G65970.1	MLO10 (MILDEW RESISTANCE LOCUS O 10); calmodulin binding
A_84_P820717	-0.67435	AT2G33480.2	ANAC041 (Arabidopsis NAC domain containing protein 41)
A_84_P14109	-0.67378	AT5G65110.1	ACX2 (ACYL-COA OXIDASE 2); acyl-CoA oxidase
A_84_P211698	-0.6735	AT2G36430.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G22540.1)
A_84_P88029	-0.67263	AT3G17380.1	meprin and TRAF homology domain-containing protein / MATH domain-containing protein
A_84_P86269	-0.67262	AT3G21260.1	GLTP3 (GLYCOLIPID TRANSFER PROTEIN 3); glycolipid binding / glycolipid transporter
A_84_P289644	-0.67132	AT1G75190.1	unknown protein
A_84_P841901	-0.67123	AT5G35490.1	unknown protein
A_84_P16960	-0.67121	AT5G15850.1	COL1 (CONSTANS-LIKE 1); transcription factor/ zinc ion binding
A_84_P848800	-0.67039	AT2G35940.1	BLH1 (embryo sac development arrest 29); DNA binding / transcription factor
A_84_P18792	-0.67006	AT5G53870.1	plastocyanin-like domain-containing protein
A_84_P17551	-0.66921	AT4G00880.1	auxin-responsive family protein
A_84_P867244	-0.6691	AT5G44550.1	integral membrane family protein
A_84_P762645	-0.66829	AT3G27027.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G40980.1)
A_84_P584960	-0.66826	AT4G21500.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G05018.1)
A_84_P753654	-0.66771	AT1G35516.1	contains InterPro domain Myb transcription factor (InterPro:IPR015495)
A_84_P13746	-0.66766	AT3G59350.1	serine/threonine protein kinase, putative



A_84_P828041	-0.66753	AT5G52190.1	sugar isomerase (SIS) domain-containing protein
A_84_P18848	-0.66742	AT5G14740.1	CA2 (BETA CARBONIC ANHYDRASE 2); carbonate dehydratase/ zinc ion binding
A_84_P219578	-0.66703	AT3G01660.1	methyltransferase
A_84_P12469	-0.66664	AT1G02816.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G02370.1)
A_84_P11270	-0.66587	AT1G55160.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G19530.1)
A_84_P18649	-0.66583	AT5G01220.1	SQD2 (SULFOQUINOVOSYLDIACYLGLYCEROL 2)
A_84_P12522	-0.66576	AT2G28710.1	zinc finger (C2H2 type) family protein
A_84_P55980	-0.66555	AT2G42280.1	basic helix-loop-helix (bHLH) family protein
A_84_P11157	-0.66553	AT1G55810.1	uracil phosphoribosyltransferase, putative / UMP pyrophosphorylase, putative / UPRTase, putative
A_84_P105196	-0.66544	AT2G01620.1	MEE11 (maternal effect embryo arrest 11)
A_84_P525179	-0.66535	AT2G34920.1	EDA18 (embryo sac development arrest 18); protein binding / zinc ion binding
A_84_P20747	-0.66507	AT5G17050.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P277620	-0.66504	AT5G54660.1	heat shock protein-related
A_84_P21807	-0.66375	AT1G22740.1	RAB7 (Ras-related protein 7); GTP binding
A_84_P823027	-0.66312	AT2G16890.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P18055	-0.66233	AT1G74740.1	CPK30 (calcium-dependent protein kinase 30)
A_84_P760391	-0.66138	AT3G55650.1	pyruvate kinase, putative
A_84_P723748	-0.66106	AT1G08165.1	unknown protein
A_84_P81579	-0.66082	AT2G28110.1	FRA8 (FRAGILE FIBER8); transferase
A_84_P134585	-0.66067	AT3G18260.1	reticulon family protein (RTNLB9)
A_84_P23420	-0.66037	AT5G13580.1	ABC transporter family protein
A_84_P11825	-0.66021	AT1G06890.1	transporter-related
A_84_P133585	-0.65943	AT2G17440.1	leucine-rich repeat family protein
A_84_P18283	-0.65917	AT2G01170.1	amino acid permease family protein
A_84_P23872	-0.6588	AT2G16750.1	protein kinase family protein
A_84_P17052	-0.65878	AT1G80830.1	NRAMP1 (NRAMP metal ion transporter 1)
A_84_P757921	-0.6582	AT2G34925.1	CLE42 (CLAVATA3/ESR-RELATED 42)
A_84_P63574	-0.65817	AT2G22960.1	serine carboxypeptidase S10 family protein
A_84_P14847	-0.65808	AT4G40060.1	ATHB-16/ATHB16 (ARABIDOPSIS THALIANA HOMEBOX PROTEIN 16)
A_84_P16910	-0.65793	AT5G56720.1	malate dehydrogenase, cytosolic, putative
A_84_P254310	-0.65688	AT4G00270.1	DNA-binding storekeeper protein-related
A_84_P16752	-0.65678	AT4G17730.1	SYP23 (syntaxin 23); SNAP receptor
A_84_P240045	-0.65462	AT5G22270.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G06270.1)

A_84_P200454	-0.65434	AT2G01660.1	33 kDa secretory protein-related
A_84_P21681	-0.65402	AT5G66460.1	(1-4)-beta-mannan endohydrolase, putative
A_84_P784921	-0.6538	AT1G16490.1	AtMYB58 (myb domain protein 58); DNA binding / transcription factor
A_84_P20858	-0.65325	AT1G60360.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P10470	-0.65237	AT1G03120.1	ATRAB28 (Arabidopsis thaliana responsive to abscisic acid 28)
A_84_P13891	-0.65216	AT4G37520.1	peroxidase 50 (PER50) (P50) (PRXR2)
A_84_P13306	-0.65197	AT1G03090.1	MCCA (3-methylcrotonyl-CoA carboxylase 1)
A_84_P520864	-0.65137	AT3G23370.1	nucleic acid binding
A_84_P855653	-0.6505	AT3G29770.1	hydrolase, alpha/beta fold family protein
A_84_P272980	-0.65047	AT5G18080.1	auxin-responsive protein, putative
A_84_P765637	-0.65026	AT4G31248.1	other RNA
A_84_P597022	-0.6473	AT1G71110.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G12400.1)
A_84_P13293	-0.64681	AT1G60430.1	ARPC3 (actin-related protein C3); structural molecule
A_84_P22232	-0.64659	AT1G06760.1	histone H1, putative
A_84_P808228	-0.64647	AT3G20470.1	encodes a glycine-rich protein
A_84_P13502	-0.64622	AT2G27820.1	PD1 (PREPHENATE DEHYDRATASE 1); arogenate dehydratase/ prephenate dehydratase
A_84_P13513	-0.64616	AT2G19400.1	protein kinase, putative
A_84_P275810	-0.64581	AT4G16610.1	zinc finger (C2H2 type) family protein
A_84_P14989	-0.64576	AT5G48150.1	PAT1 (PHYTOCHROME A SIGNAL TRANSDUCTION 1); transcription factor
A_84_P761701	-0.64536	AT3G23255.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO68683.1)
A_84_P544465	-0.64473	AT1G26945.1	transcription regulator
A_84_P12248	-0.64464	AT5G19490.1	DNA binding / sequence-specific DNA binding
A_84_P21480	-0.64383	AT4G17090.1	CT-BMY (BETA-AMYLASE 3, BETA-AMYLASE 8); beta-amylase
A_84_P15068	-0.64294	AT5G15830.1	ATBZIP3 (ARABIDOPSIS THALIANA BASIC LEUCINE-ZIPPER 3); DNA binding / transcription factor
A_84_P824443	-0.64245	AT2G26210.1	ankyrin repeat family protein
A_84_P765024	-0.64201	AT4G38545.2	other RNA
A_84_P752604	-0.6419	AT1G09500.2	cinnamyl-alcohol dehydrogenase family / CAD family
A_84_P300200	-0.64181	AT3G52950.1	CBS domain-containing protein / octicosapeptide/Phox/Bemp1 (PB1) domain-containing protein
A_84_P59870	-0.64142	AT5G33390.1	glycine-rich protein
A_84_P14520	-0.64138	AT3G01500.1	CA1 (CARBONIC ANHYDRASE 1); carbonate dehydratase/ zinc ion binding
A_84_P18064	-0.64094	AT1G15580.1	IAA5 (indoleacetic acid-induced protein 5); transcription factor
A_84_P850865	-0.64041	AT4G27940.1	mitochondrial substrate carrier family protein

A_84_P545008	-0.6398	AT4G31875.1	unknown protein
A_84_P11812	-0.63942	AT3G49210.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G49200.1)
A_84_P20206	-0.63935	AT3G10630.1	glycosyl transferase family 1 protein
A_84_P19911	-0.63884	AT1G09170.1	kinesin motor protein-related
A_84_P117762	-0.63879	AT3G03520.1	phosphoesterase family protein
A_84_P753502	-0.63867	AT1G60545.1	other RNA
A_84_P569013	-0.63839	AT5G18475.1	pentatricopeptide (PPR) repeat-containing protein
A_84_P542240	-0.63759	AT4G01525.1	transposable element gene
A_84_P19594	-0.63704	AT4G37330.1	CYP81D4 (cytochrome P450, family 81, subfamily D, polypeptide 4); oxygen binding
A_84_P64584	-0.63673	AT5G67140.1	F-box family protein
A_84_P612559	-0.63665	AT4G26095.1	other RNA
A_84_P13539	-0.63616	AT1G07570.1	APK1A (Arabidopsis protein kinase 1A); kinase
A_84_P813996	-0.63603	AT5G02160.1	unknown protein
A_84_P220938	-0.63592	AT1G02470.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G02475.1)
A_84_P591780	-0.63569	AT2G26695.1	binding
A_84_P853880	-0.6355	AT5G10860.1	CBS domain-containing protein
A_84_P725389	-0.63404	AT2G04110.1	pseudogene of unknown protein
A_84_P22549	-0.63289	AT5G46350.1	WRKY8 (WRKY DNA-binding protein 8); transcription factor
A_84_P584290	-0.63284	AT5G56050.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G26490.1)
A_84_P19244	-0.63276	AT3G05160.1	sugar transporter, putative
A_84_P802590	-0.63275	AT5G24460.1	hydrolase
A_84_P12653	-0.63212	AT3G08660.1	phototropic-responsive protein, putative
A_84_P786032	-0.63194	AT4G26850.1	VTC2 (VITAMIN C DEFECTIVE 2)
A_84_P19410	-0.63153	AT3G56630.1	CYP94D2 (cytochrome P450, family 94, subfamily D, polypeptide 2); oxygen binding
A_84_P240555	-0.63037	AT3G15095.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO39345.1)
A_84_P14878	-0.63031	AT5G04950.1	nicotianamine synthase, putative
A_84_P584214	-0.62993	AT5G26720.1	unknown protein
A_84_P222339	-0.62967	AT3G27940.1	LBD26 (LOB DOMAIN-CONTAINING PROTEIN 26)
A_84_P17716	-0.62966	AT5G04980.1	endonuclease/exonuclease/phosphatase family protein
A_84_P797576	-0.62908	AT5G14760.1	AO (L-ASPARTATE OXIDASE); L-aspartate oxidase
A_84_P15074	-0.62804	AT5G20970.1	heat shock family protein
A_84_P840800	-0.6278	AT1G48500.1	JAZ4/TIFY6A (JASMONATE-ZIM-DOMAIN PROTEIN 4)
A_84_P591086	-0.6272	AT3G52550.1	similar to ATOFP18/OFP18 (Arabidopsis thaliana ovate family protein 18) [Arabidopsis thaliana]
A_84_P23992	-0.62678	AT3G05640.1	protein phosphatase 2C, putative / PP2C, putative

A_84_P220058	-0.62616	AT3G12920.1	protein binding / zinc ion binding
A_84_P90349	-0.62592	AT5G53030.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G27810.1)
A_84_P836848	-0.62392	AT3G12350.1	F-box family protein
A_84_P169313	-0.62275	AT2G36590.1	ProT3 (PROLINE TRANSPORTER 3); amino acid transmembrane transporter
A_84_P123262	-0.62272	AT1G61740.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G11540.1)
A_84_P505592	-0.6226	AT2G04795.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G35732.1)
A_84_P159155	-0.62194	AT2G18240.1	RER1 protein, putative
A_84_P757373	-0.62162	AT2G33233.1	LCR49 (Low-molecular-weight cysteine-rich 49)
A_84_P19361	-0.62152	AT3G45860.1	receptor-like protein kinase, putative
A_84_P21401	-0.62134	AT4G23930.1	similar to proline-rich family protein [Arabidopsis thaliana] (TAIR:AT1G64450.1)
A_84_P19604	-0.62109	AT5G03680.1	PTL (PETAL LOSS); transcription factor
A_84_P18829	-0.62062	AT5G62920.1	ARR6 (RESPONSE REGULATOR 6); transcription regulator/ two-component response regulator
A_84_P753413	-0.62058	AT1G07728.2	other RNA
A_84_P570004	-0.61997	AT5G53590.1	auxin-responsive family protein
A_84_P606494	-0.61989	AT5G38770.1	ATGDU7 (ARABIDOPSIS THALIANA GLUTAMINE DUMPER 7)
A_84_P11303	-0.61907	AT5G20830.1	SUS1 (SUCROSE SYNTHASE 1); UDP-glycosyltransferase/ sucrose synthase
A_84_P16048	-0.61905	AT2G20875.1	EPF1 (EPIDERMAL PATTERNING FACTOR 1)
A_84_P11946	-0.61862	AT4G24260.1	ATGH9A3/KOR3 (ARABIDOPSIS THALIANA GLYCOSYL HYDROLASE 9A3)
A_84_P766856	-0.61743	AT5G56747.1	transposable element gene
A_84_P67974	-0.6164	AT3G52525.1	ATOFP6/OFPP6 (Arabidopsis thaliana ovate family protein 6)
A_84_P13850	-0.61622	AT4G27260.1	GH3.5/WES1; indole-3-acetic acid amido synthetase
A_84_P277980	-0.61557	AT3G08840.1	D-alanine--D-alanine ligase family
A_84_P765231	-0.61511	AT4G20320.2	similar to CTP synthase, putative / UTP--ammonia ligase, putative [Arabidopsis thaliana]
A_84_P229099	-0.61471	AT5G06660.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G12030.1)
A_84_P827163	-0.61403	AT1G55910.1	ZIP11 (ZINC TRANSPORTER 11 PRECURSOR)
A_84_P542432	-0.61349	AT5G20810.1	auxin-responsive protein, putative / small auxin up RNA (SAUR_B)
A_84_P239815	-0.61311	AT1G12020.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G62422.1)
A_84_P769220	-0.6128	AT5G18404.1	unknown protein
A_84_P20610	-0.61237	AT5G25880.1	ATNADP-ME3 (NADP-MALIC ENZYME 3)
A_84_P865032	-0.61236	AT1G28960.4	ATNUDT15 (ARABIDOPSIS THALIANA NUDIX HYDROLASE HOMOLOG 15); hydrolase

A_84_P793283	-0.61148	AT5G66920.1	SKS17 (SKU5 Similar 17); copper ion binding / oxidoreductase
A_84_P219918	-0.61045	AT1G01830.1	armadillo/beta-catenin repeat family protein
A_84_P13789	-0.61031	AT4G08670.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P14599	-0.6101	AT3G19280.1	FUT11 (Fucosyltransferase 11)
A_84_P609485	-0.60816	AT1G79520.1	cation efflux family protein
A_84_P16334	-0.60812	AT2G29290.1	tropinone reductase, putative / tropine dehydrogenase, putative
A_84_P825340	-0.60772	AT3G03210.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO22195.1)
A_84_P258220	-0.60746	AT1G19660.1	wound-responsive family protein
A_84_P829467	-0.60709	AT2G15830.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G33960.1)
A_84_P204648	-0.60642	AT3G04310.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G33250.1)
A_84_P274090	-0.60581	AT1G68430.1	unknown protein
A_84_P152798	-0.60581	AT5G18030.1	auxin-responsive protein, putative
A_84_P74134	-0.60547	AT3G19290.1	ABF4 (ABRE BINDING FACTOR 4); DNA binding / transcription activator/ transcription factor
A_84_P82199	-0.60507	AT2G44850.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G45380.1)
A_84_P17852	-0.60499	AT1G33090.1	MATE efflux family protein
A_84_P533595	-0.60469	AT5G23380.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G03610.1)
A_84_P179124	-0.60469	AT5G05830.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P12812	-0.60459	AT3G62060.1	pectinacetyltransferase family protein
A_84_P21371	-0.60383	AT4G12530.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P20791	-0.60362	AT3G16555.1	F-box family protein
A_84_P766867	-0.6033	AT5G63470.1	CCAAT-box binding transcription factor Hap5a, putative
A_84_P525626	-0.60249	AT5G42610.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G23790.1)
A_84_P21192	-0.6022	AT3G19930.1	STP4 (SUGAR TRANSPORTER 4)
A_84_P815660	-0.60219	AT2G22660.2	similar to glycine-rich protein [Arabidopsis thaliana] (TAIR:AT4G37900.1)
A_84_P16506	-0.6019	AT3G14770.1	nodulin MtN3 family protein
A_84_P11271	-0.60066	AT5G64280.1	DIT2.2 (DICARBOXYLATE TRANSPORTER 2.2); oxoglutarate:malate antiporter
A_84_P13109	-0.59985	AT5G51050.1	mitochondrial substrate carrier family protein
A_84_P600173	-0.59815	AT5G03490.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P10959	-0.59794	AT4G09950.1	avirulence-responsive family protein / avirulence induced gene (AIG1) family protein
A_84_P294484	-0.59702	AT1G68680.1	similar to unknown [Populus trichocarpa] (GB:ABK93653.1)
A_84_P81259	-0.59659	AT4G21510.1	F-box family protein
A_84_P19171	-0.59476	AT2G45630.1	oxidoreductase family protein
A_84_P12404	-0.59333	AT1G55610.1	BRL1 (BRI 1 LIKE); kinase
A_84_P23660	-0.59306	AT1G60800.1	NIK3 (NSP-INTERACTING KINASE 3); kinase

A_84_P10659	-0.59286	AT2G46680.1	ATHB-7 (ARABIDOPSIS THALIANA HOMEODOMAIN 7); transcription factor
A_84_P602056	-0.59285	AT5G43185.1	Expressed protein
A_84_P765116	-0.59168	AT4G12917.1	other RNA
A_84_P19781	-0.59094	AT5G64410.1	ATOPT4 (oligopeptide transporter 4); oligopeptide transporter
A_84_P790028	-0.59084	AT3G03360.1	F-box family protein
A_84_P17132	-0.59075	AT1G71990.1	FUT13 (fucosyltransferase 13)
A_84_P768303	-0.59029	AT5G18407.1	Encodes a defensin-like (DEFL) family protein.
A_84_P757492	-0.58978	AT2G17150.2	RWP-RK domain-containing protein
A_84_P15454	-0.58945	AT2G29130.1	LAC2 (laccase 2); copper ion binding / oxidoreductase
A_84_P16187	-0.58922	AT1G36380.1	electron carrier/ ubiquinol-cytochrome-c reductase
A_84_P582591	-0.58912	AT1G08840.1	EMB2411 (EMBRYO DEFECTIVE 2411); ATP-dependent DNA helicase
A_84_P24036	-0.58784	AT3G27070.1	TOM20-1 (TRANSLOCASE OUTER MEMBRANE 20-1)
A_84_P11640	-0.58545	AT2G37650.1	scarecrow-like transcription factor 9 (SCL9)
A_84_P188144	-0.58534	AT4G02940.1	oxidoreductase, 2OG-Fe(II) oxygenase family protein
A_84_P769660	0.585732	AT5G48240.2	similar to unnamed protein product [Vitis vinifera] (GB:CAO41129.1)
A_84_P828660	0.586294	AT2G20100.1	ethylene-responsive family protein
A_84_P15719	0.5869	AT4G22360.1	SWIB complex BAF60b domain-containing protein
A_84_P815994	0.587082	AT1G54020.2	myosinase-associated protein, putative
A_84_P15078	0.58756	AT5G19300.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO71126.1)
A_84_P102376	0.588882	AT5G08000.1	E13L3 (GLUCAN ENDO-1,3-BETA-GLUCOSIDASE-LIKE PROTEIN 3)
A_84_P739523	0.590005	AT2G31150.1	ATP binding / ATPase, coupled to transmembrane movement of ions, phosphorylative mechanism
A_84_P538274	0.591055	AT1G30755.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G34320.1)
A_84_P15773	0.591177	AT1G14980.1	CPN10 (CHAPERONIN 10)
A_84_P12218	0.591487	AT5G64870.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G25250.1)
A_84_P12373	0.591815	AT1G14240.1	nucleoside phosphatase family protein / GDA1/CD39 family protein
A_84_P227239	0.592026	AT5G13210.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G24780.1)
A_84_P19337	0.59257	AT3G20960.1	CYP705A33 (cytochrome P450, family 705, subfamily A, polypeptide 33); oxygen binding
A_84_P787999	0.593605	AT3G29370.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G39240.1)
A_84_P209078	0.594786	AT5G11170.1	DEAD/DEAH box helicase, putative (RH15)
A_84_P21437	0.59483	AT4G31805.1	WRKY family transcription factor
A_84_P858493	0.595226	AT5G45775.1	60S ribosomal protein L11 (RPL11D)
A_84_P785785	0.595335	AT2G31610.1	40S ribosomal protein S3 (RPS3A)
A_84_P13728	0.595468	AT3G55010.1	ATPURM/PUR5; phosphoribosylformylglycinamide cyclo-ligase
A_84_P831117	0.595895	AT5G12220.1	las1-like family protein

A_84_P583961	0.595913	AT3G51340.1	pepsin A
A_84_P18200	0.595943	AT2G20450.1	60S ribosomal protein L14 (RPL14A)
A_84_P12221	0.596394	AT5G65630.1	GTE7 (GLOBAL TRANSCRIPTION FACTOR GROUP E 7); DNA binding
A_84_P140769	0.597038	AT5G08335.1	ATSTE14B (PRENYLCYSTEINE ALPHA-CARBOXYL METHYLTRANSFERASE)
A_84_P547813	0.597492	AT5G43990.1	SUVR2; histone-lysine N-methyltransferase/ zinc ion binding
A_84_P76084	0.598492	AT3G25430.1	CAF1 family ribonuclease
A_84_P18701	0.59931	AT5G18310.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G48500.1)
A_84_P225239	0.599638	AT3G13960.1	AtGRF5 (GROWTH-REGULATING FACTOR 5)
A_84_P610565	0.599725	AT3G11402.1	DC1 domain-containing protein
A_84_P18550	0.600545	AT4G20780.1	calcium-binding protein, putative
A_84_P19975	0.600651	AT1G77510.1	ATPDIL1-2 (PDI-LIKE 1-2); protein disulfide isomerase
A_84_P11009	0.601475	AT4G25950.1	VATG3 (VACUOLAR ATP SYNTHASE G3)
A_84_P23363	0.601839	AT4G14550.1	IAA14 (SOLITARY ROOT); transcription factor
A_84_P19086	0.604219	AT1G61570.1	TIM13; P-P-bond-hydrolysis-driven protein transmembrane transporter
A_84_P178904	0.604955	AT2G28305.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G37210.1)
A_84_P22396	0.605047	AT1G15000.1	SCPL50 (serine carboxypeptidase-like 50); serine carboxypeptidase
A_84_P300850	0.60637	AT5G46510.1	disease resistance protein (TIR-NBS-LRR class), putative
A_84_P15946	0.607208	AT5G51440.1	23.5 kDa mitochondrial small heat shock protein (HSP23.5-M)
A_84_P12969	0.607725	AT4G17230.1	SCL13 (SCARECROW-LIKE 13); transcription factor
A_84_P16004	0.607809	AT5G66170.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G17850.1)
A_84_P10647	0.608858	AT2G26480.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P823851	0.609331	AT3G60260.4	phagocytosis and cell motility protein ELMO1-related
A_84_P85169	0.609397	AT3G26600.1	armadillo/beta-catenin repeat family protein
A_84_P17519	0.610471	AT3G57040.1	ARR9 (RESPONSE REACTOR 4); transcription regulator
A_84_P14286	0.611167	AT1G78260.1	RNA recognition motif (RRM)-containing protein
A_84_P12670	0.611459	AT3G26810.1	AFB2 (AUXIN SIGNALING F-BOX 2); auxin binding / ubiquitin-protein ligase
A_84_P246285	0.61147	AT3G03920.1	Gar1 RNA-binding region family protein
A_84_P10498	0.611617	AT1G16060.1	ovule development protein, putative
A_84_P19239	0.611858	AT1G44830.1	AP2 domain-containing transcription factor TINY, putative
A_84_P19115	0.612182	AT2G43590.1	chitinase, putative
A_84_P11980	0.612726	AT4G31700.1	RPS6 (RIBOSOMAL PROTEIN S6); structural constituent of ribosome
A_84_P14290	0.61281	AT1G72440.1	EDA25 (embryo sac development arrest 25); binding
A_84_P13961	0.613472	AT5G13320.1	PBS3 (AVRPPHB SUSCEPTIBLE 3)
A_84_P19489	0.613973	AT1G29320.1	transducin family protein / WD-40 repeat family protein

A_84_P522915	0.614924	AT5G16560.1	KAN (KANADI); transcription factor
A_84_P754506	0.615261	AT1G53542.1	unknown protein
A_84_P11526	0.616113	AT1G43170.1	ARP1 (ARABIDOPSIS RIBOSOMAL PROTEIN 1); structural constituent of ribosome
A_84_P52410	0.616514	AT4G37080.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G42690.2)
A_84_P180484	0.616748	AT2G33570.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G44670.1)
A_84_P213368	0.617518	AT4G15770.1	60S ribosome subunit biogenesis protein, putative
A_84_P18471	0.618461	AT3G58660.1	60S ribosomal protein-related
A_84_P162403	0.618725	AT3G59760.2	OASC (O-ACETYL SERINE (THIOL) LYASE ISOFORM C); cysteine synthase
A_84_P559716	0.619615	AT2G28140.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G44940.1)
A_84_P859177	0.619654	AT4G22780.1	ACR7 (ACT Domain Repeat 7)
A_84_P16203	0.619676	AT1G48630.1	guanine nucleotide-binding family protein / activated protein kinase C receptor
A_84_P18090	0.619938	AT1G08410.1	GTP-binding family protein
A_84_P198054	0.620314	AT4G32920.1	glycine-rich protein
A_84_P764257	0.620644	AT4G33110.1	cochlorine N-methyltransferase, putative
A_84_P10491	0.620973	AT1G53920.1	GLIP5 (GDSL-motif lipase 5); carboxylesterase
A_84_P16034	0.621076	AT5G28290.1	ATNEK3; kinase
A_84_P785514	0.622267	AT1G23290.1	RPL27A (RIBOSOMAL PROTEIN L27A); structural constituent of ribosome
A_84_P268810	0.623396	AT4G27560.1	glycosyltransferase family protein
A_84_P22015	0.624223	AT1G30040.1	ATGA2OX2; gibberellin 2-beta-dioxygenase
A_84_P514604	0.624294	AT3G07530.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO67613.1)
A_84_P22552	0.625205	AT5G47130.1	Bax inhibitor-1 family / BI-1 family
A_84_P284960	0.625281	AT2G20490.1	EDA27/NOP10 (embryo sac development arrest 27); RNA binding
A_84_P227839	0.626138	AT1G67050.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G38320.1)
A_84_P812170	0.626846	AT3G45140.1	LOX2 (LIPOXYGENASE 2)
A_84_P11385	0.627476	AT1G09070.1	(AT)SRC2/SRC2 (SOYBEAN GENE REGULATED BY COLD-2); protein binding
A_84_P279440	0.628135	AT1G57680.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO46875.1)
A_84_P13376	0.629476	AT1G74430.1	MYB95 (myb domain protein 95); DNA binding / transcription factor
A_84_P108542	0.629512	AT2G41180.1	sigA-binding protein-related
A_84_P19640	0.631147	AT5G14520.1	pescafillo-related
A_84_P55510	0.631561	AT2G39870.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G55690.1)
A_84_P785492	0.631868	AT5G20230.1	ATBCB (ARABIDOPSIS BLUE-COPPER-BINDING PROTEIN); copper ion binding



A_84_P296254	0.632245	AT3G10280.1	fatty acid elongase 3-ketoacyl-CoA synthase, putative
A_84_P305680	0.632445	AT4G20390.1	integral membrane family protein
A_84_P830058	0.632723	AT1G63860.1	pseudogene, disease resistance protein, similar to disease resistance protein RPP1-WsC
A_84_P20289	0.633074	AT3G28270.1	Identical to UPF0496 protein At3g28270 [Arabidopsis Thaliana]
A_84_P608554	0.634587	AT1G67460.1	GTP binding / GTPase
A_84_P786186	0.635714	AT1G14580.1	zinc finger (C2H2 type) family protein
A_84_P18411	0.637125	AT3G44970.1	cytochrome P450 family protein
A_84_P11194	0.637343	AT5G44390.1	FAD-binding domain-containing protein
A_84_P11416	0.638046	AT1G03110.1	transducin family protein / WD-40 repeat family protein
A_84_P19182	0.638158	AT2G03750.1	sulfotransferase family protein
A_84_P546306	0.639264	AT1G60640.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G22795.1)
A_84_P797990	0.639343	AT3G52430.1	PAD4 (PHYTOALEXIN DEFICIENT 4); triacylglycerol lipase
A_84_P19706	0.63959	AT5G45000.1	transmembrane receptor
A_84_P125521	0.639727	AT4G24210.1	SLY1 (SLEEPY1)
A_84_P310373	0.640514	AT2G28150.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G59790.1)
A_84_P766536	0.64057	AT5G25220.1	KNAT3 (KNOTTED1-LIKE HOMEODOMAIN GENE 3); transcription factor
A_84_P248975	0.640886	AT3G15460.1	brix domain-containing protein
A_84_P24133	0.642056	AT3G55280.1	60S ribosomal protein L23A (RPL23aB)
A_84_P556854	0.642145	AT1G25275.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO43403.1)
A_84_P21332	0.643007	AT3G51870.1	mitochondrial substrate carrier family protein
A_84_P535752	0.643184	AT2G13790.1	ATSERK4 (SOMATIC EMBRYOGENESIS RECEPTOR-LIKE KINASE 4)
A_84_P12082	0.643278	AT1G49620.1	ICK5/ICN6/KRP7 (KIP-RELATED PROTEIN 7); cyclin binding / cyclin-dependent protein kinase inhibitor
A_84_P830254	0.643644	AT3G50950.2	disease resistance protein (CC-NBS-LRR class), putative
A_84_P12054	0.643806	AT5G07580.1	DNA binding / transcription factor
A_84_P806774	0.644223	AT3G09440.1	heat shock cognate 70 kDa protein 3 (HSC70-3) (HSP70-3)
A_84_P23589	0.644292	AT5G20160.1	ribosomal protein L7Ae/L30e/S12e/Gadd45 family protein
A_84_P11724	0.644669	AT3G16150.1	L-asparaginase, putative / L-asparagine amidohydrolase, putative
A_84_P14086	0.645091	AT5G59780.1	MYB59 (myb domain protein 59); DNA binding / transcription factor
A_84_P15083	0.645218	AT5G19520.1	mechanosensitive ion channel domain-containing protein / MS ion channel domain-containing protein
A_84_P12416	0.645927	AT1G72040.1	deoxynucleoside kinase family
A_84_P760674	0.646337	AT3G16840.1	ATP-dependent helicase
A_84_P10343	0.646814	AT5G16000.1	NIK1 (NSP-INTERACTING KINASE 1); kinase
A_84_P19870	0.647501	AT1G52140.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G16330.1)

A_84_P12101	0.648207	AT5G26180.1	NOL1/NOP2/sun family protein
A_84_P16146	0.648323	AT1G64710.1	alcohol dehydrogenase, putative
A_84_P547377	0.648539	AT2G43110.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO45289.1)
A_84_P18941	0.648595	AT1G23000.1	heavy-metal-associated domain-containing protein
A_84_P817969	0.648701	AT1G75390.2	ATBZIP44 (ARABIDOPSIS THALIANA BASIC LEUCINE-ZIPPER 44)
A_84_P17557	0.648851	AT4G02290.1	ATGH9B13 (ARABIDOPSIS THALIANA GLYCOSYL HYDROLASE 9B13)
A_84_P15372	0.648888	AT2G38750.1	ANNAT4 (ANNEXIN ARABIDOPSIS 4); calcium ion binding / calcium-dependent phospholipid binding
A_84_P18750	0.649094	AT5G42230.1	SCPL41 (serine carboxypeptidase-like 41); serine carboxypeptidase
A_84_P89769	0.649646	AT2G35930.1	U-box domain-containing protein
A_84_P229479	0.649994	AT4G22753.1	SMO1-3 (STEROL 4-ALPHA METHYL OXIDASE); catalytic
A_84_P15710	0.650095	AT4G20110.1	vacuolar sorting receptor, putative
A_84_P18279	0.650115	AT2G18890.1	protein kinase family protein
A_84_P19993	0.650183	AT1G74090.1	sulfotransferase family protein
A_84_P786702	0.650189	AT3G09830.1	protein kinase, putative
A_84_P23301	0.650424	AT4G25730.1	FtsJ-like methyltransferase family protein
A_84_P826163	0.650953	AT1G52160.1	metallo-beta-lactamase family protein
A_84_P532232	0.651468	AT2G23100.1	DC1 domain-containing protein
A_84_P259470	0.651949	AT1G61890.1	MATE efflux family protein
A_84_P10015	0.652322	AT4G10450.1	60S ribosomal protein L9 (RPL90D)
A_84_P832924	0.652533	AT1G23280.1	MAK16 protein-related
A_84_P532420	0.653356	AT3G30840.1	unknown protein
A_84_P12672	0.653668	AT3G15680.1	zinc finger (Ran-binding) family protein
A_84_P23494	0.654077	AT5G46100.1	pentatricopeptide (PPR) repeat-containing protein
A_84_P111702	0.654125	AT3G13940.1	DNA binding / DNA-directed RNA polymerase
A_84_P17344	0.655179	AT2G22810.1	ACS4 (1-AMINOCYCLOPROPANE-1-CARBOXYLATE SYNTHASE 4); 1-aminocyclopropane-1-carboxylate synthase
A_84_P24136	0.655397	AT3G55940.1	phosphoinositide-specific phospholipase C, putative
A_84_P21919	0.655415	AT1G25440.1	zinc finger (B-box type) family protein
A_84_P16644	0.656278	AT4G13260.1	YUC2 (YUCCA2); FAD binding / NADP binding / flavin-containing monooxygenase/ oxidoreductase
A_84_P13033	0.656726	AT5G22650.1	HD2B (HISTONE DEACETYLASE 2B)
A_84_P23945	0.656848	AT2G15040.1	pseudogene, disease resistance protein-related
A_84_P151308	0.658407	AT4G16630.1	DEAD/DEAH box helicase, putative (RH28)
A_84_P19586	0.658463	AT4G16600.1	glycogenin glucosyltransferase (glycogenin)-related
A_84_P200884	0.659254	AT5G13750.1	ZIFL1 (ZINC INDUCED FACILITATOR-LIKE 1); tetracycline:hydrogen

A_84_P179384	0.659344	AT2G24150.1	antiporter/ transporter
A_84_P828934	0.660461	AT4G01460.1	HHP3 (heptahelical protein 3); receptor
A_84_P18952	0.660795	AT1G09460.1	basic helix-loop-helix (bHLH) family protein
A_84_P205748	0.661325	AT1G71020.1	glucan endo-1,3-beta-glucosidase-related
A_84_P804411	0.661658	AT1G33240.1	armadillo/beta-catenin repeat family protein / U-box domain-containing protein
A_84_P820750	0.661676	AT1G23710.1	AT-GTL1 (Arabidopsis thaliana GT2-like 1); transcription factor
A_84_P20994	0.662146	AT1G51950.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G70420.1)
A_84_P18580	0.662515	AT4G27490.1	IAA18 (indoleacetic acid-induced protein 18); transcription factor
A_84_P810497	0.662528	AT1G23490.1	3' exoribonuclease family domain 1-containing protein
A_84_P15164	0.663162	AT1G08940.1	ATARF/ATARF1/ATARFA1A (ADP-RIBOSYLATION FACTOR 1)
A_84_P19990	0.663412	AT1G68810.1	phosphoglycerate/bisphosphoglycerate mutase family protein
A_84_P161603	0.664818	AT1G33260.1	basic helix-loop-helix (bHLH) family protein
A_84_P572033	0.664846	AT1G61970.1	protein kinase family protein
A_84_P768923	0.665302	AT5G44574.1	mitochondrial transcription termination factor-related / mTERF-related
A_84_P19743	0.665806	AT5G55250.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G44572.1)
A_84_P22960	0.665835	AT2G28000.1	IAMT1 (IAA CARBOXYLMETHYLTRANSFERASE 1)
A_84_P560583	0.665968	AT2G18680.1	CPN60A (chloroplast / 60 kDa chaperonin alpha subunit)
A_84_P14116	0.666017	AT5G66790.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G18690.1)
A_84_P868270	0.666069	AT5G52470.1	protein kinase family protein
A_84_P20240	0.666136	AT3G21660.1	FIB1 (FIBRILLARIN 1)
A_84_P12050	0.666967	AT1G06550.1	UBX domain-containing protein
A_84_P286710	0.667282	AT3G45160.1	enoyl-CoA hydratase/isomerase family protein
A_84_P23248	0.667301	AT4G08850.1	contains domain PROKAR_LIPOPROTEIN (PS51257)
A_84_P16285	0.667325	AT2G29720.1	leucine-rich repeat family protein / protein kinase family protein
A_84_P210278	0.668235	AT1G66700.1	CTF2B; monooxygenase
A_84_P17908	0.669044	AT5G16750.1	PXMT1; S-adenosylmethionine-dependent methyltransferase
A_84_P165553	0.669659	AT2G18900.1	TOZ (TORMOZEMBRYO DEFECTIVE); nucleotide binding
A_84_P825989	0.670043	AT5G48470.1	transducin family protein / WD-40 repeat family protein
A_84_P810257	0.670075	AT1G59359.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO17042.1)
A_84_P20004	0.670142	AT1G72660.1	40S ribosomal protein S2 (RPS2B)
A_84_P100746	0.670143	AT3G28220.1	developmentally regulated GTP-binding protein, putative
A_84_P16525	0.670892	AT3G46210.1	meprin and TRAF homology domain-containing protein / MATH domain-containing protein
A_84_P858457	0.671415	AT4G28450.1	3' exoribonuclease family domain 1-containing protein
A_84_P24021	0.671453	AT3G27690.1	transducin family protein / WD-40 repeat family protein
			LHCB2:4 (Photosystem II light harvesting complex gene 2.3)

A_84_P17703	0.671631	AT5G01210.1	transferase family protein
A_84_P849546	0.672812	AT2G43830.1	pseudogene, NPK1-related protein kinase 3
A_84_P20552	0.673697	AT5G04490.1	VTE5 (VITAMIN E PATHWAY GENE5); phosphatidate cytidyltransferase/ phytol kinase
A_84_P798326	0.674181	AT5G50670.1	squamosa promoter-binding protein, putative
A_84_P841143	0.674933	AT3G28170.1	unknown protein
A_84_P21383	0.674967	AT4G19540.1	similar to HCF101 (HIGH-CHLOROPHYLL-FLUORESCENCE 101), ATP binding
A_84_P830750	0.675106	AT5G44560.2	VPS2.2
A_84_P846903	0.675517	AT1G62800.2	ASP4 (ASPARTATE AMINOTRANSFERASE 4)
A_84_P824914	0.675643	AT4G18205.1	AT4G18200
A_84_P189784	0.676124	AT3G18690.1	MKS1 (MAP KINASE SUBSTRATE 1)
A_84_P65264	0.67622	AT3G15356.1	legume lectin family protein
A_84_P17795	0.676239	AT5G39840.1	ATP-dependent RNA helicase, mitochondrial, putative
A_84_P18514	0.676287	AT1G06000.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P786320	0.676476	AT5G35935.1	transposable element gene
A_84_P247395	0.677637	AT3G26470.1	similar to ADR1-L1 (ADR1-LIKE 1), ATP binding / protein binding
A_84_P21755	0.677677	AT1G23480.1	ATCSLA03 (Cellulose synthase-like A3); transferase, transferring glycosyl groups
A_84_P858464	0.678291	AT3G10020.1	similar to Os12g0147200 [Oryza sativa (japonica cultivar-group)] (GB:NP_001066153.1)
A_84_P540276	0.679435	AT2G41905.1	unknown protein
A_84_P824985	0.679525	AT2G18670.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P23251	0.679668	AT4G09570.1	CPK4 (calcium-dependent protein kinase 4); calmodulin-dependent protein kinase/ kinase
A_84_P846870	0.679868	AT1G25550.1	myb family transcription factor
A_84_P10429	0.68008	AT1G08580.1	similar to Pm52 [Prunus mume] (GB:BAE48663.1)
A_84_P11705	0.68031	AT3G10870.1	hydrolase, alpha/beta fold family protein
A_84_P20984	0.680592	AT1G02850.1	glycosyl hydrolase family 1 protein
A_84_P769664	0.680772	AT5G61310.4	cytochrome c oxidase subunit Vc, putative / COX5C, putative
A_84_P856356	0.680897	AT5G40770.1	ATPHB3 (PROHIBITIN 3)
A_84_P857301	0.681335	AT2G40140.1	CZF1/ZFAR1; transcription factor
A_84_P11616	0.681628	AT2G26330.1	ER (ERECTA)
A_84_P23394	0.682949	AT5G05730.1	ASA1 (ANTHRANILATE SYNTHASE ALPHA SUBUNIT 1); anthranilate synthase
A_84_P800509	0.682981	AT4G08920.1	CRY1 (CRYPTOCHROME 1)
A_84_P21934	0.683197	AT1G31970.1	STRS1 (STRESS RESPONSE SUPPRESSOR 1); ATP-dependent helicase

A_84_P16994	0.684114	AT2G20835.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G15534.1)
A_84_P15107	0.684372	AT2G31725.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G05730.1)
A_84_P14703	0.68542	AT1G05835.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G32583.1)
A_84_P829713	0.685673	AT5G67340.1	armadillo/beta-catenin repeat family protein / U-box domain-containing protein
A_84_P867471	0.685958	AT5G19240.1	Identical to Uncharacterized GPI-anchored protein At5g19240 precursor
A_84_P20108	0.685965	AT2G43020.1	ATPAO2 (POLYAMINE OXIDASE 2)
A_84_P130336	0.686266	AT1G75840.1	ATGP3/ATROP4 (RHO-LIKE GTP BINDING PROTEIN 4); GTP binding / GTPase
A_84_P11649	0.686616	AT2G19590.1	ACO1 (ACC OXIDASE 1); 1-aminocyclopropane-1-carboxylate oxidase
A_84_P22249	0.687841	AT3G57120.1	protein kinase family protein
A_84_P528720	0.687872	AT2G32340.1	TraB family protein
A_84_P20212	0.687915	AT3G04710.1	ankyrin repeat family protein
A_84_P14317	0.688071	AT1G69830.1	AMY3/ATAMY3 (ALPHA-AMYLASE-LIKE 3); alpha-amylase
A_84_P23291	0.688628	AT4G23550.1	WRKY29 (WRKY DNA-binding protein 29); transcription factor
A_84_P19460	0.689578	AT4G05410.1	transducin family protein / WD-40 repeat family protein
A_84_P825740	0.689689	AT3G04770.1	RPSAB (40S RIBOSOMAL PROTEIN SA B); structural constituent of ribosome
A_84_P11833	0.690052	AT3G53830.1	regulator of chromosome condensation (RCC1) family protein
A_84_P809013	0.690442	AT1G15820.1	LHCB6 (LIGHT HARVESTING COMPLEX PSII); chlorophyll binding
A_84_P155965	0.690699	AT5G12080.1	mechanosensitive ion channel domain-containing protein
A_84_P221098	0.690791	AT5G02590.1	chloroplast lumen common family protein
A_84_P19044	0.691263	AT1G21440.1	mutase family protein
A_84_P764548	0.692442	AT4G18197.1	AT4G18200/ATPUP7/PEX17 (ARABIDOPSIS THALIANA PURINE PERMEASE 7)
A_84_P312833	0.69252	AT1G66480.1	PMI2 (plastid movement impaired 2)
A_84_P10602	0.693469	AT2G42030.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P240305	0.694366	AT2G46550.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G01240.3)
A_84_P822292	0.696711	AT4G20020.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G44780.1)
A_84_P218778	0.697736	AT5G66480.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G50910.1)
A_84_P21099	0.697849	AT2G40360.1	transducin family protein / WD-40 repeat family protein [AT2G40360.1]
A_84_P243945	0.698119	AT5G22580.1	Identical to Uncharacterized protein At5g22580 [Arabidopsis Thaliana] (GB:Q9FK81)
A_84_P22097	0.698183	AT3G10530.1	transducin family protein / WD-40 repeat family protein
A_84_P761404	0.698275	AT3G21460.1	electron carrier/ protein disulfide oxidoreductase
A_84_P87289	0.698784	AT1G25083.1	anthranilate synthase beta subunit, putative
A_84_P13990	0.698904	AT5G26010.1	protein serine/threonine phosphatase

A_84_P14798	0.69909	AT4G27900.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G53420.1)
A_84_P11458	0.699108	AT1G80270.1	DNA-binding protein, putative
A_84_P18589	0.699184	AT4G29510.1	ATPRMT11/PRMT11 (ARABIDOPSIS ARGININE METHYLTRANSFERASE 11)
A_84_P21701	0.69944	AT5G08320.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO70168.1)
A_84_P12888	0.699745	AT4G23600.1	CORI3 (CORONATINE INDUCED 1, JASMONIC ACID RESPONSIVE 2); transaminase
A_84_P750311	0.700506	AT1G72120.1	transporter
A_84_P560054	0.701071	AT4G29905.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G57123.1)
A_84_P767658	0.701319	AT5G55420.1	Encodes a Protease inhibitor/seed storage/LTP family protein [pseudogene]
A_84_P15417	0.701656	AT2G05940.1	protein kinase, putative
A_84_P15784	0.701732	AT4G37970.1	mannitol dehydrogenase, putative
A_84_P572395	0.701748	AT3G61450.1	SYP73 (SYNTAXIN OF PLANTS 73)
A_84_P12792	0.703296	AT3G56990.1	EDA7 (embryo sac development arrest 7)
A_84_P853930	0.703454	AT3G50480.1	HR4 (HOMOLOG OF RPW8 4)
A_84_P564918	0.704736	AT1G69280.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G03630.1)
A_84_P198494	0.70561	AT5G61880.1	signaling molecule-related
A_84_P17267	0.706649	AT2G41410.1	calmodulin, putative
A_84_P811334	0.70712	AT3G57150.1	NAP57 (ARABIDOPSIS THALIANA HOMOLOGUE OF NAP57)
A_84_P756180	0.70761	AT2G14890.2	AGP9 (ARABINO GALACTAN PROTEIN 9)
A_84_P245725	0.708037	AT5G50010.1	transcription factor/ transcription regulator
A_84_P287570	0.708087	AT5G55180.1	glycosyl hydrolase family 17 protein
A_84_P196034	0.708563	AT5G05090.1	myb family transcription factor
A_84_P16458	0.708972	AT3G23570.1	dienelactone hydrolase family protein
A_84_P13545	0.709015	AT2G34357.1	binding
A_84_P166063	0.709529	AT4G15620.1	integral membrane family protein
A_84_P22041	0.710343	AT2G37600.1	60S ribosomal protein L36 (RPL36A)
A_84_P187914	0.711114	AT3G58620.1	TTL4 (TETRATRICOPETIDE-REPEAT THIOREDOXIN-LIKE 4); binding
A_84_P119812	0.711122	AT1G50740.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G20510.1)
A_84_P20451	0.711291	AT4G23010.1	ATUTR2/UTR2 (UDP-GALACTOSE TRANSPORTER 2)
A_84_P826004	0.71154	AT1G07000.1	ATEXO70B2 (exocyst subunit EXO70 family protein B2); protein binding
A_84_P521249	0.711725	AT5G54400.1	methyltransferase
A_84_P862462	0.711939	AT1G20780.1	armadillo/beta-catenin repeat protein-related / U-box domain-containing protein
A_84_P855512	0.712121	AT1G68190.1	zinc finger (B-box type) family protein
A_84_P16687	0.712236	AT1G21920.1	MORN (Membrane Occupation and Recognition Nexus)

A_84_P16367	0.712455	AT2G24120.1	PDE319/SCA3 (SCABRA 3); DNA binding / DNA-directed RNA polymerase
A_84_P303420	0.712604	AT3G07540.1	formin homology 2 domain-containing protein / FH2 domain-containing protein
A_84_P851116	0.712687	AT2G46780.1	RNA recognition motif (RRM)-containing protein
A_84_P760885	0.712829	AT3G20310.1	ATERF-7/ATERF7/ERF7 (ETHYLENE RESPONSE FACTOR7)
A_84_P529024	0.712916	AT4G28180.1	unknown protein
A_84_P21910	0.713648	AT1G12710.1	ATPP2-A12 (PHLOEM PROTEIN 2-A12); carbohydrate binding
A_84_P548619	0.713722	AT5G14930.2	SAG101 (SENESCENCE-ASSOCIATED GENE 101); triacylglycerol lipase
A_84_P72974	0.714017	AT5G50570.1	squamosa promoter-binding protein, putative
A_84_P23486	0.714363	AT5G44160.1	NUC (NUTCRACKER); nucleic acid binding / transcription factor/ zinc ion binding
A_84_P536970	0.714845	AT4G13750.1	ATP binding
A_84_P785044	0.714982	AT2G27840.1	HDT4 (histone deacetylase 13)
A_84_P765572	0.715394	AT4G13494.1	MIR863a; miRNA
A_84_P766792	0.715464	AT5G51540.1	metalloendopeptidase
A_84_P806680	0.716058	AT3G03780.1	AtMS2 (Arabidopsis thaliana methionine synthase 2)
A_84_P13006	0.716254	AT5G10180.1	AST68 (Sulfate transporter 2.1)
A_84_P19572	0.716385	AT4G38890.1	dihydrouridine synthase family protein
A_84_P245045	0.718362	AT5G64660.1	U-box domain-containing protein
A_84_P17654	0.718942	AT4G31980.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G11290.1)
A_84_P16692	0.719692	AT4G28400.1	protein phosphatase 2C, putative / PP2C, putative
A_84_P19701	0.71982	AT5G43810.1	ZLL (ZWILLE)
A_84_P803516	0.719886	AT3G02170.1	LNG2 (LONGIFOLIA2)
A_84_P16642	0.720218	AT4G12720.1	AtNUDT7 (ARABIDOPSIS THALIANA NUDIX HYDROLASE HOMOLOG 7)
A_84_P106792	0.720354	AT4G11550.1	DC1 domain-containing protein
A_84_P576905	0.720963	AT4G16515.1	unknown protein
A_84_P20129	0.721054	AT2G39110.1	protein kinase, putative
A_84_P51080	0.721205	AT1G52930.1	brix domain-containing protein
A_84_P20106	0.721212	AT1G04870.1	protein arginine N-methyltransferase family protein
A_84_P65644	0.721228	AT5G44060.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G04000.1)
A_84_P141279	0.722163	AT1G18000.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G18010.1)
A_84_P297244	0.722495	AT2G17250.1	EMB2762 (EMBRYO DEFECTIVE 2762)
A_84_P12616	0.722506	AT2G32220.1	60S ribosomal protein L27 (RPL27A)
A_84_P22532	0.722563	AT5G41740.1	disease resistance protein (TIR-NBS-LRR class), putative
A_84_P18126	0.722574	AT1G18250.1	ATLP-1 (Arabidopsis thaumatin-like protein 1)

A_84_P10525	0.722709	AT1G72125.1	transporter
A_84_P20783	0.723327	AT2G14080.1	disease resistance protein (TIR-NBS-LRR class), putative
A_84_P168163	0.723379	AT5G56030.1	HSP81-2 (EARLY-RESPONSIVE TO DEHYDRATION 8); ATP binding
A_84_P16511	0.723463	AT3G12270.1	methyltransferase
A_84_P15906	0.724212	AT5G40380.1	protein kinase family protein
A_84_P17925	0.724446	AT5G11060.1	KNAT4 (KNOTTED1-LIKE HOMEODOMAIN GENE 4); transcription factor
A_84_P160413	0.724513	AT3G44750.1	HD2A (HISTONE DEACETYLASE 2A); nucleic acid binding / zinc ion binding
A_84_P22947	0.724823	AT2G26700.1	protein kinase family protein
A_84_P15749	0.725555	AT4G29030.1	glycine-rich protein
A_84_P785527	0.72786	AT4G04830.1	methionine sulfoxide reductase domain-containing protein / SeIR domain-containing protein
A_84_P14024	0.729712	AT5G43020.1	leucine-rich repeat transmembrane protein kinase, putative
A_84_P764555	0.729844	AT4G18195.1	AT4G18200/ATPUP8 (Arabidopsis thaliana purine permease 8)
A_84_P21825	0.729852	AT1G13210.1	ACA.L (AUTOINHIBITED CA <sup>2+</sup> /ATPASE II)
A_84_P311333	0.729995	AT2G38110.1	ATGPAT6/GPAT6 (GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE 6)
A_84_P10582	0.730209	AT1G78600.1	zinc finger (B-box type) family protein
A_84_P12545	0.730589	AT2G01940.1	ATIDD15/SGR5 (ARABIDOPSIS THALIANA INDETERMINATE(ID)-DOMAIN 15, SHOOT GRAVITROPISM 5)
A_84_P595814	0.730935	AT5G40800.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G27250.1)
A_84_P193364	0.731133	AT1G56660.1	unknown protein
A_84_P541226	0.731628	AT3G11964.1	S1 RNA-binding domain-containing protein
A_84_P23094	0.732528	AT3G12860.1	nucleolar protein Nop56, putative
A_84_P551242	0.732674	AT5G06550.1	Identical to F-box protein At5g06550 [Arabidopsis Thaliana] (GB:Q67XX3;GB:Q9FG15)
A_84_P151898	0.732819	AT1G58983.1	40S ribosomal protein S2, putative
A_84_P155785	0.732959	AT3G07390.1	AIR12 (Auxin-Induced in Root cultures 12); extracellular matrix structural constituent
A_84_P767969	0.733019	AT5G23260.2	TT16 (TRANSPARENT TESTA16); transcription factor
A_84_P161393	0.733581	AT3G18050.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G28100.1)
A_84_P187774	0.733707	AT5G44930.1	ARAD2 (ARABINAN DEFICIENT 2); catalytic
A_84_P19108	0.733998	AT1G30280.1	heat shock protein binding
A_84_P16491	0.734409	AT3G13470.1	chaperonin, putative
A_84_P109442	0.734875	AT3G52180.1	ATPTPKIS1/DSP4/SEX4 (STARCH-EXCESS 4)
A_84_P23923	0.734976	AT2G37900.1	proton-dependent oligopeptide transport (POT) family protein [AT2G37900.1]



A_84_P17468	0.735898	AT3G45650.1	NAXT1 (NITRATE EXCRETION TRANSPORTER1)
A_84_P230129	0.736507	AT3G09490.1	chloroplast lumen common family protein
A_84_P565460	0.737079	AT5G19260.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G06020.1)
A_84_P15276	0.738411	AT1G76680.1	OPR1 (12-oxophytodienoate reductase 1); 12-oxophytodienoate reductase
A_84_P75894	0.738909	AT2G46720.1	HIC (HIGH CARBON DIOXIDE); acyltransferase
A_84_P761766	0.739289	AT3G12965.1	other RNA
A_84_P505748	0.740502	AT3G11640.1	unknown protein
A_84_P765758	0.740803	AT4G12334.1	pseudogene of cytochrome P450 family protein
A_84_P10477	0.74316	AT1G13080.1	CYP71B2 (CYTOCHROME P450 71B2); oxygen binding
A_84_P21477	0.74329	AT1G19340.1	methyltransferase MT-A70 family protein
A_84_P12443	0.744636	AT1G80440.1	kelch repeat-containing F-box family protein
A_84_P11644	0.74498	AT2G37460.1	nodulin MtN21 family protein
A_84_P21632	0.745226	AT5G54380.1	THE1 (THESEUS1); kinase/ protein kinase
A_84_P109752	0.745644	AT5G24990.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G25010.1)
A_84_P15638	0.745747	AT3G59790.1	ATMPK10 (Arabidopsis thaliana MAP kinase 10); MAP kinase/ kinase
A_84_P20511	0.745898	AT4G37450.1	AGP18 (Arabinogalactan protein 18)
A_84_P271630	0.746487	AT1G44446.1	CH1 (CHLOROPHYLL B BIOSYNTHESIS); chlorophyllide a oxygenase
A_84_P116472	0.747151	AT3G55510.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G18220.1)
A_84_P606349	0.747377	AT4G28460.1	unknown protein
A_84_P16959	0.747563	AT5G15700.1	DNA-directed RNA polymerase (RPOT2)
A_84_P17923	0.747882	AT5G28770.1	BZO2H3 (ARABIDOPSIS THALIANA BASIC LEUCINE ZIPPER 63)
A_84_P505670	0.74817	AT2G36080.1	DNA-binding protein, putative
A_84_P18784	0.748481	AT5G51460.1	ATTPPA (Arabidopsis thaliana trehalose-6-phosphate phosphatase)
A_84_P19203	0.748622	AT2G04400.1	indole-3-glycerol phosphate synthase (IGPS)
A_84_P521606	0.74875	AT2G25260.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G25265.1)
A_84_P574909	0.748835	AT3G05130.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G27330.1)
A_84_P164843	0.749364	AT3G27550.1	group II intron splicing factor CRS1-related
A_84_P766447	0.749979	AT5G02500.1	HSC70-1 (heat shock cognate 70 kDa protein 1); ATP binding
A_84_P14392	0.750253	AT2G43550.1	trypsin inhibitor, putative
A_84_P12758	0.7504	AT3G49410.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G24450.1)
A_84_P825596	0.750728	AT1G15570.1	CYCA2;3 (CYCLIN A2;3); cyclin-dependent protein kinase regulator
A_84_P16890	0.75111	AT5G50800.1	nodulin MtN3 family protein
A_84_P255680	0.751542	AT5G05960.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P13704	0.752491	AT3G49680.1	ATBCAT-3/BCAT3 (BRANCHED-CHAIN AMINOTRANSFERASE 3)
A_84_P23651	0.754336	AT1G03840.1	MGP (MAGPIE)
A_84_P99616	0.75445	AT5G08360.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G23380.1)
A_84_P858196	0.754664	AT1G72820.1	mitochondrial substrate carrier family protein

A_84_P19923	0.75488	AT1G05680.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P19196	0.755198	AT1G75490.1	DNA binding / transcription factor
A_84_P524292	0.75606	AT2G32530.1	ATCSLB03 (Cellulose synthase-like B3)
A_84_P10296	0.756356	AT5G57660.1	zinc finger (B-box type) family protein
A_84_P13265	0.756424	AT1G08610.1	pentatricopeptide (PPR) repeat-containing protein
A_84_P760113	0.756489	AT3G30885.1	pseudogene, putative phosphate/phosphoenolpyruvate translocator precursor
A_84_P574446	0.756834	AT5G50950.1	fumarate hydratase, putative / fumarase, putative
A_84_P10784	0.757256	AT3G21540.1	transducin family protein / WD-40 repeat family protein
A_84_P14716	0.757841	AT4G01440.1	nodulin MtN21 family protein
A_84_P19209	0.758284	AT2G38290.1	ATAMT2 (AMMONIUM TRANSPORTER 2)
A_84_P819537	0.758287	AT2G34770.1	FAH1 (FATTY ACID HYDROXYLASE 1)
A_84_P10613	0.758795	AT2G42530.1	COR15B
A_84_P12022	0.760989	AT4G16700.1	PSD1 (PHOSPHATIDYLSERINE DECARBOXYLASE 1)
A_84_P609369	0.761618	AT1G31550.1	GDSL-motif lipase, putative
A_84_P764120	0.761669	AT4G21830.1	methionine sulfoxide reductase domain-containing protein / SeIR domain-containing protein
A_84_P17527	0.762912	AT3G59110.1	protein kinase family protein
A_84_P12342	0.763058	AT1G12090.1	ELP (EXTENSIN-LIKE PROTEIN); lipid binding
A_84_P856538	0.764506	AT1G26920.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G69760.1)
A_84_P531612	0.765986	AT4G04745.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G21902.1)
A_84_P18552	0.767117	AT4G21120.1	AAT1 (CATIONIC AMINO ACID TRANSPORTER 1)
A_84_P14106	0.767139	AT5G64310.1	AGP1 (ARABINOGLACTAN-PROTEIN 1)
A_84_P14848	0.767589	AT4G14130.1	XTR7 (XYLOGLUCAN ENDOTRANSGLYCOSYLASE 7)
A_84_P19443	0.767591	AT4G01010.1	ATCNGC13 (cyclic nucleotide gated channel 13)
A_84_P767917	0.767715	AT5G44720.1	molybdenum cofactor sulfurase family protein
A_84_P14951	0.767777	AT5G38020.1	S-adenosyl-L-methionine:carboxyl methyltransferase family protein
A_84_P810430	0.76786	AT3G47470.1	LHCA4 (Photosystem I light harvesting complex gene 4)
A_84_P24066	0.76832	AT3G18600.1	DEAD/DEAH box helicase, putative
A_84_P193844	0.769029	AT5G42965.1	nucleic acid binding / ribonuclease H
A_84_P11244	0.769135	AT5G58430.1	ATEXO70B1 (exocyst subunit EXO70 family protein B1)
A_84_P522542	0.770411	AT2G39240.1	RNA polymerase I transcription factor
A_84_P68154	0.770788	AT3G22660.1	rRNA processing protein-related
A_84_P15150	0.770894	AT1G24100.1	UGT74B1 (UDP-glucosyl transferase 74B1)
A_84_P19271	0.771042	AT3G09680.1	40S ribosomal protein S23 (RPS23A)
A_84_P75674	0.771261	AT4G03440.1	ankyrin repeat family protein
A_84_P14748	0.7714	AT1G17420.1	LOX3 (Lipoxygenase 3)
A_84_P19127	0.771643	AT2G14860.1	peroxisomal membrane protein 22 kDa, putative

A_84_P22813	0.771828	AT1G77550.1	protein binding / tubulin-tyrosine ligase
A_84_P767243	0.771841	AT5G28287.1	pseudogene, hypothetical protein
A_84_P13078	0.771963	AT5G42650.1	AOS (ALLENE OXIDE SYNTHASE); hydro-lyase/ oxygen binding
A_84_P785683	0.772657	AT1G27770.1	ACA1 (autoinhibited Ca <sup>2+</sup> -ATPase 1)
A_84_P23998	0.772998	AT1G53430.1	leucine-rich repeat family protein / protein kinase family protein
A_84_P551948	0.773796	AT3G55160.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO14954.1)
A_84_P15304	0.773862	AT1G65390.1	ATPP2-A5; carbohydrate binding
A_84_P17810	0.774072	AT1G49840.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G19540.1)
A_84_P820385	0.7757	AT3G12700.1	aspartyl protease family protein
A_84_P16698	0.775701	AT4G29700.1	type I phosphodiesterase/nucleotide pyrophosphatase family protein
A_84_P543741	0.775729	AT2G18220.1	Identical to Nucleolar complex protein 2 homolog [Arabidopsis Thaliana] (GB:Q9ZPV5)
A_84_P546454	0.775787	AT2G31730.1	ethylene-responsive protein, putative
A_84_P124042	0.777235	AT3G08640.1	alphavirus core protein family
A_84_P599761	0.777554	AT2G17550.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G02390.1)
A_84_P819957	0.777937	AT2G14750.1	APK (APS KINASE)
A_84_P19407	0.778223	AT3G56070.1	ROC2 (rotamase CyP 2); peptidyl-prolyl cis-trans isomerase
A_84_P14110	0.778665	AT5G65350.1	histone H3
A_84_P207518	0.779724	AT4G36090.1	oxidoreductase, 2OG-Fe(II) oxygenase family protein
A_84_P10696	0.779882	AT2G24160.1	pseudogene, leucine rich repeat protein family
A_84_P505118	0.780177	AT4G37270.1	HMA1 (Heavy metal ATPase 1); copper-exporting ATPase
A_84_P556555	0.781347	AT5G02490.1	heat shock cognate 70 kDa protein 2 (HSC70-2) (HSP70-2)
A_84_P824210	0.781421	AT1G68580.2	agenet domain-containing protein / bromo-adjacent homology (BAH) domain-containing protein
A_84_P519856	0.782774	AT2G37390.1	heavy-metal-associated domain-containing protein
A_84_P11430	0.783303	AT1G15250.1	60S ribosomal protein L37 (RPL37A)
A_84_P11645	0.785829	AT2G38170.1	CAX1 (CATION EXCHANGER 1)
A_84_P23884	0.786103	AT2G23130.1	AGP17 (ARABINOGALACTAN PROTEIN 17)
A_84_P20725	0.786691	AT5G63980.1	SAL1 (FIERY1)
A_84_P18073	0.787014	AT1G55690.1	SEC14 cytosolic factor family protein / phosphoglyceride transfer family protein
A_84_P115922	0.787044	AT4G26600.1	nucleolar protein, putative
A_84_P21308	0.787251	AT1G21550.1	calcium-binding protein, putative
A_84_P22565	0.787439	AT1G29690.1	CAD1 (CONSTITUTIVELY ACTIVATED CELL DEATH 1)
A_84_P20453	0.788532	AT4G23540.1	binding
A_84_P170813	0.78858	AT1G74330.1	ATP binding / protein kinase
A_84_P23069	0.789084	AT3G17690.1	ATCNGC19 (cyclic nucleotide gated channel 19)

A_84_P11951	0.789464	AT4G25340.1	immunophilin-related / FKBP-type peptidyl-prolyl cis-trans isomerase-related
A_84_P19320	0.790382	AT3G16510.1	C2 domain-containing protein
A_84_P12506	0.790479	AT2G31790.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P17304	0.790485	AT2G40700.1	DEAD/DEAH box helicase, putative (RH17)
A_84_P12125	0.790791	AT5G40340.1	PWWP domain-containing protein
A_84_P13567	0.791014	AT2G47130.1	short-chain dehydrogenase/reductase (SDR) family protein
A_84_P13577	0.79113	AT1G36940.1	unknown protein
A_84_P814936	0.791766	AT4G30210.1	ATR2 (ARABIDOPSIS P450 REDUCTASE 2)
A_84_P19807	0.791791	AT5G20480.1	EFR (EF-TU RECEPTOR); ATP binding / kinase/ protein serine/threonine kinase
A_84_P841184	0.791811	AT3G27095.1	pseudogene, hypothetical protein, similar to putative CHP-rich zinc finger protein
A_84_P11438	0.79182	AT1G78000.1	SULTR1;2 (SULFATE TRANSPORTER 1;2); sulfate transmembrane transporter
A_84_P89559	0.792043	AT5G66540.1	similar to hypothetical protein OsI_036143 [Oryza sativa (indica cultivar-group)]
A_84_P13372	0.793041	AT1G69840.1	band 7 family protein [AT1G69840.1]
A_84_P11113	0.793839	AT5G08620.1	STRS2 (STRESS RESPONSE SUPPRESSOR 2)
A_84_P14902	0.794704	AT5G11670.1	ATNADP-ME2 (NADP-MALIC ENZYME 2)
A_84_P12116	0.795123	AT5G37980.1	NADP-dependent oxidoreductase, putative
A_84_P21796	0.795339	AT1G10150.1	ATPP2-A10 (Phloem protein 2-A10); carbohydrate binding
A_84_P12418	0.795378	AT1G49530.1	GGPS6 (GERANYLGERANYL PYROPHOSPHATE SYNTHASE 6); farnesyltransferase
A_84_P103806	0.795606	AT5G21940.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G43850.1)
A_84_P20495	0.79563	AT4G32800.1	AP2 domain-containing transcription factor TINY, putative
A_84_P23970	0.796764	AT2G46870.1	NGA1 (NGATHA1); transcription factor
A_84_P19651	0.796964	AT5G19200.1	short-chain dehydrogenase/reductase (SDR) family protein
A_84_P253585	0.797885	AT3G26410.1	methyltransferase/ nucleic acid binding
A_84_P13779	0.798016	AT4G03270.1	CYCD6;1 (CYCLIN D6;1); cyclin-dependent protein kinase
A_84_P555359	0.798725	AT3G02800.1	phosphoprotein phosphatase
A_84_P120672	0.798773	AT1G18620.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G74160.1)
A_84_P15777	0.79885	AT4G35420.1	dihydroflavonol 4-reductase family / dihydrokaempferol 4-reductase family
A_84_P20321	0.799071	AT3G49120.1	ATPCB/ATPERX34/PERX34/PRXCB (PEROXIDASE 34); peroxidase
A_84_P582979	0.79921	AT3G15340.1	PPI2 (PROTON PUMP INTERACTOR 2)
A_84_P597535	0.799504	AT5G14090.1	similar to hypothetical protein [Vitis vinifera] (GB:CAN72196.1)
A_84_P14505	0.799748	AT2G32140.1	transmembrane receptor ]

A_84_P11411	0.800026	AT1G10490.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G57940.1)
A_84_P11921	0.800099	AT4G18010.1	IP5PII (INOSITOL POLYPHOSPHATE 5-PHOSPHATASE II)
A_84_P308743	0.800818	AT5G23280.1	TCP family transcription factor, putative
A_84_P16010	0.801015	AT5G67630.1	DNA helicase, putative
A_84_P822593	0.801175	AT5G57685.1	ATGDU3 (ARABIDOPSIS THALIANA GLUTAMINE DUMPER 3)
A_84_P21881	0.802111	AT1G12100.1	lipid binding
A_84_P20047	0.802187	AT1G31660.1	similar to unknown [Populus trichocarpa] (GB:ABK93690.1)
A_84_P23752	0.802837	AT1G63650.1	EGL3 (ENHANCER OF GLABRA3); DNA binding / transcription factor
A_84_P11404	0.80353	AT1G54820.1	protein kinase family protein
A_84_P18925	0.803735	AT1G61610.1	S-locus lectin protein kinase family protein
A_84_P547572	0.804471	AT4G02360.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G02813.1)
A_84_P585099	0.804831	AT5G24200.1	triacylglycerol lipase
A_84_P14689	0.804944	AT3G58780.1	SHP1 (SHATTERPROOF 1); DNA binding / transcription factor
A_84_P531238	0.80506	AT1G61667.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G54530.1)
A_84_P10774	0.805134	AT1G26570.1	ATUGD1/UGD1 (UDP-glucose dehydrogenase 1); UDP-glucose 6-dehydrogenase
A_84_P133775	0.805262	AT4G16563.1	aspartyl protease family protein
A_84_P573880	0.805837	AT1G79150.1	binding
A_84_P11771	0.806021	AT3G22930.1	calmodulin, putative
A_84_P764188	0.806615	AT4G13120.1	transposable element gene
A_84_P21494	0.807675	AT5G02810.1	PRR7 (PSEUDO-RESPONSE REGULATOR 7); transcription regulator
A_84_P16248	0.807775	AT1G70920.1	homeobox-leucine zipper protein, putative / HD-ZIP transcription factor, putative
A_84_P580265	0.80778	AT3G07195.1	proline-rich family protein
A_84_P869042	0.807866	AT5G56010.1	HSP81-3 (Heat shock protein 81-3); ATP binding
A_84_P550382	0.807957	AT5G10440.1	CYCD4;2 (CYCLIN D4;2); cyclin-dependent protein kinase
A_84_P541841	0.808251	AT1G51920.1	unknown protein
A_84_P10370	0.809194	AT5G04230.1	PAL3 (PHENYL ALANINE AMMONIA-LYASE 3)
A_84_P271800	0.80926	AT4G23170.1	EP1; protein kinase
A_84_P250765	0.809971	AT2G43120.1	pirin, putative
A_84_P94009	0.810187	AT1G75120.1	RRA1 (REDUCED RESIDUAL ARABINOSE 1)
A_84_P754435	0.810201	AT1G65486.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G65500.1)
A_84_P824417	0.810245	AT3G54000.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G59050.1)
A_84_P10624	0.810658	AT2G37130.1	peroxidase 21 (PER21) (P21) (PRXR5)
A_84_P766361	0.812742	AT5G39740.1	60S ribosomal protein L5 (RPL5B)
A_84_P591591	0.814003	AT1G31835.1	unknown protein
A_84_P18307	0.815455	AT3G11650.1	NHL2 (NDR1/HIN1-like 2)

A_84_P14900	0.815713	AT5G11240.1	transducin family protein / WD-40 repeat family protein
A_84_P268070	0.816378	AT4G15070.1	DC1 domain-containing protein
A_84_P19467	0.817838	AT4G09510.1	beta-fructofuranosidase
A_84_P24159	0.818142	AT3G61820.1	aspartyl protease family protein
A_84_P763873	0.818675	AT4G04293.1	transposable element gene
A_84_P850940	0.818957	AT1G08465.1	YAB2 (YABBY 2); transcription factor
A_84_P278270	0.819679	AT1G33170.1	dehydration-responsive family protein
A_84_P757783	0.819696	AT2G44798.1	other RNA
A_84_P16457	0.819706	AT3G18130.1	guanine nucleotide-binding family protein / activated protein kinase C receptor (RACK1)
A_84_P23529	0.821276	AT5G55920.1	nucleolar protein, putative
A_84_P10933	0.821891	AT4G00700.1	C2 domain-containing protein
A_84_P63150	0.822596	AT5G53420.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G27900.1)
A_84_P11544	0.823051	AT1G33590.1	disease resistance protein-related / LRR protein-related
A_84_P137649	0.823556	AT1G21250.1	WAK1 (CELL WALL-ASSOCIATED KINASE); kinase
A_84_P13549	0.823637	AT2G39420.1	esterase/lipase/thioesterase family protein
A_84_P18881	0.823865	AT5G37450.1	leucine-rich repeat transmembrane protein kinase, putative
A_84_P14321	0.823939	AT1G74440.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G18720.1)
A_84_P19235	0.824047	AT2G44910.1	homeobox-leucine zipper protein 4 (HB-4) / HD-ZIP protein 4
A_84_P11715	0.824221	AT3G04290.1	ATLTL1/LTL1 (LI-TOLERANT LIPASE 1); carboxylesterase
A_84_P790617	0.82494	AT2G37590.1	Dof-type zinc finger domain-containing protein
A_84_P16145	0.825913	AT1G59960.1	aldo/keto reductase, putative
A_84_P54930	0.826136	AT1G01500.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G19400.1)
A_84_P21763	0.826405	AT1G61580.1	ARP2/RPL3B (ARABIDOPSIS RIBOSOMAL PROTEIN 2); structural constituent of ribosome
A_84_P15294	0.827174	AT1G17920.1	HDG12 (HOMEODOMAIN GLABROUS12); transcription factor
A_84_P15530	0.82794	AT3G16810.1	APUM24 (ARABIDOPSIS PUMILIO 24); RNA binding
A_84_P17083	0.828168	AT1G10540.1	xanthine/uracil permease family protein
A_84_P19589	0.82992	AT4G17460.1	HAT1 (homeobox-leucine zipper protein 1); DNA binding / transcription factor
A_84_P838518	0.829953	AT1G50280.1	phototropic-responsive NPH3 family protein
A_84_P834930	0.830636	AT5G38100.1	methyltransferase-related
A_84_P503880	0.831202	AT2G28820.1	structural constituent of ribosome
A_84_P788405	0.831364	AT1G36280.1	adenylosuccinate lyase, putative / adenylosuccinase, putative
A_84_P12940	0.832395	AT4G35180.1	LHT7 (LYS/HIS TRANSPORTER 7); amino acid transmembrane transporter
A_84_P812231	0.833658	AT1G03230.1	extracellular dermal glycoprotein, putative / EDGP, putative

A_84_P15820	0.8343	AT5G03630.1	ATMDAR2; monodehydroascorbate reductase (NADH)
A_84_P763649	0.835726	AT4G03926.1	pseudogene, similar to Pectinesterase 3 precursor (EC 3.1.1.11)
A_84_P23480	0.836736	AT5G42280.1	DC1 domain-containing protein
A_84_P11521	0.838819	AT1G58300.1	HO4 (HEME OXYGENASE 4); heme oxygenase (decyclizing)/ oxidoreductase
A_84_P23405	0.83948	AT5G08180.1	ribosomal protein L7Ae/L30e/S12e/Gadd45 family protein
A_84_P297384	0.839889	AT4G31730.1	GDU1 (GLUTAMINE DUMPER 1)
A_84_P21746	0.841772	AT1G17710.1	phosphoric monoester hydrolase
A_84_P21962	0.841809	AT2G31830.1	endonuclease/exonuclease/phosphatase family protein
A_84_P141979	0.842636	AT5G65390.1	AGP7 (Arabinogalactan protein 7)
A_84_P295534	0.843082	AT5G54630.1	zinc finger protein-related
A_84_P23778	0.843102	AT1G29940.1	NRPA2 (nuclear RNA polymerase A 2); DNA-directed RNA polymerase
A_84_P157075	0.845434	AT5G58360.1	ATOFP3/OFP3 (Arabidopsis thaliana ovate family protein 3)
A_84_P16624	0.845636	AT4G08250.1	scarecrow transcription factor family protein
A_84_P18069	0.845961	AT1G49130.1	zinc finger (B-box type) family protein
A_84_P523919	0.846131	AT5G56230.1	prenylated rab acceptor (PRA1) family protein
A_84_P22252	0.846263	AT3G57660.1	NRPA1 (nuclear RNA polymerase A 1); DNA binding / DNA-directed RNA polymerase
A_84_P14940	0.847274	AT5G27620.1	CYCH;1 (CYCLIN H;1); cyclin-dependent protein kinase/ protein binding / protein kinase
A_84_P309633	0.847799	AT3G05165.1	sugar transporter, putative
A_84_P10318	0.850726	AT5G62470.1	MYB96 (myb domain protein 96); DNA binding / transcription factor
A_84_P15882	0.851078	AT1G55800.1	similar to ATP binding / nucleotide binding / phenylalanine-tRNA ligase
A_84_P760912	0.85114	AT3G25225.1	pseudogene, hypothetical protein
A_84_P237233	0.851838	AT5G05190.1	Identical to Uncharacterized protein At5g05190 (Y-1) [Arabidopsis Thaliana] (GB:Q9FHK4)
A_84_P818463	0.852036	AT5G67420.1	LBD37 (LOB DOMAIN-CONTAINING PROTEIN 37)
A_84_P798815	0.85249	AT4G39950.1	CYP79B2 (cytochrome P450, family 79, subfamily B, polypeptide 2)
A_84_P114052	0.852599	AT5G27030.1	TPR3 (TOPLESS-RELATED 3)
A_84_P20399	0.852614	AT4G03400.1	DFL2 (DWARF IN LIGHT 2)
A_84_P808697	0.852797	AT2G05100.1	LHCB2.1 (Photosystem II light harvesting complex gene 2.1)
A_84_P13496	0.853028	AT2G25150.1	transferase family protein
A_84_P109302	0.853087	AT1G19570.1	DHAR1 (DEHYDROASCORBATE REDUCTASE); glutathione dehydrogenase (ascorbate)
A_84_P23806	0.853663	AT1G13600.1	ATBZIP58 (ARABIDOPSIS THALIANA BASIC LEUCINE-ZIPPER 58)
A_84_P806954	0.853847	AT1G48920.1	ATNUC-L1/PARL1 (PARALLEL 1); nucleic acid binding
A_84_P51580	0.854663	AT1G72060.1	serine-type endopeptidase inhibitor

A_84_P21836	0.855462	AT1G72940.1	disease resistance protein (TIR-NBS class), putative
A_84_P804725	0.85647	AT1G56110.1	NOP56 (ARABIDOPSIS HOMOLOG OF NUCLEOLAR PROTEIN NOP56)
A_84_P823905	0.856505	AT4G27860.1	integral membrane family protein
A_84_P757790	0.856814	AT2G33815.1	other RNA
A_84_P750624	0.857522	AT1G11580.1	ATPMEPCRA; pectinesterase
A_84_P22745	0.857842	AT1G03220.1	extracellular dermal glycoprotein, putative / EDGP, putative
A_84_P301260	0.85797	AT1G74450.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G18740.1)
A_84_P265480	0.858829	AT2G36400.1	AtGRF3 (GROWTH-REGULATING FACTOR 3) [AT2G36400.1]
A_84_P23208	0.859282	AT3G60420.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G60450.1)
A_84_P274410	0.859302	AT1G68330.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G48780.1)
A_84_P10363	0.859659	AT1G28230.1	PUP1 (PURINE PERMEASE 1); purine transmembrane transporter
A_84_P24086	0.859717	AT3G44610.1	protein kinase family protein
A_84_P22576	0.860202	AT5G53950.1	CUC2 (CUP-SHAPED COTYLEDON 2); transcription factor
A_84_P551808	0.860336	AT3G01345.1	Expressed protein
A_84_P196204	0.861224	AT3G26040.1	transferase family protein
A_84_P22159	0.861402	AT3G13100.1	ATMRP7 (Arabidopsis thaliana multidrug resistance-associated protein 7)
A_84_P10735	0.863114	AT3G05060.1	SAR DNA-binding protein, putative
A_84_P256460	0.863216	AT2G22000.1	PROPEP6 (Elicitor peptide 6 precursor)
A_84_P13065	0.86336	AT5G39080.1	transferase family protein
A_84_P17338	0.863449	AT2G44740.1	CYCP4;1 (cyclin p4;1); cyclin-dependent protein kinase
A_84_P206178	0.864127	AT5G39420.1	CDC2CAT (ARABIDOPSIS THALIANA CDC2C); kinase
A_84_P198204	0.865359	AT2G17036.1	F-box family protein
A_84_P583210	0.865559	AT4G33550.1	lipid binding
A_84_P229619	0.865843	AT2G42320.1	nucleolar protein gar2-related
A_84_P20465	0.865948	AT4G26090.1	RPS2 (RESISTANT TO P. SYRINGAE 2)
A_84_P544105	0.866003	AT4G28405.1	Expressed protein
A_84_P189284	0.866335	AT2G30930.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G06540.1)
A_84_P18821	0.866528	AT5G61160.1	AACT1 (ANTHOCYANIN 5-AROMATIC ACYLTRANSFERASE 1); transferase
A_84_P853160	0.867929	AT3G11820.1	SYP121 (syntaxin 121); SNAP receptor
A_84_P216618	0.868239	AT5G35560.1	DENN (AEX-3) domain-containing protein
A_84_P21943	0.869736	AT1G32170.1	XTR4 (XYLOGLUCAN ENDOTRANSGLYCOSYLASE 4)
A_84_P16854	0.870408	AT5G40920.1	pseudogene, disease resistance protein (TIR-NBS-LRR class), putative
A_84_P22053	0.871006	AT2G41100.1	TCH3 (TOUCH 3)
A_84_P20148	0.872168	AT2G30870.1	ATGSTF10 (EARLY DEHYDRATION-INDUCED 13)
A_84_P224719	0.872591	AT1G22250.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G78170.1)



A_84_P18043	0.873213	AT1G16400.1	CYP79F2 (cytochrome P450, family 79, subfamily F, polypeptide 2)
A_84_P785379	0.873245	AT5G25350.1	EBF2 (EIN3-BINDING F BOX PROTEIN 2)
A_84_P18839	0.873265	AT5G65470.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G24530.1)
A_84_P22109	0.873524	AT3G09720.1	DEAD/DEAH box helicase, putative
A_84_P563385	0.87384	AT3G16520.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P299450	0.874191	AT2G43650.1	EMB2777 (EMBRYO DEFECTIVE 2777)
A_84_P16974	0.874609	AT5G20630.1	GLP3 (GERMIN-LIKE PROTEIN 3)
A_84_P15340	0.874662	AT2G06050.1	OPR3 (OPDA-REDUCTASE 3); 12-oxophytodienoate reductase
A_84_P54250	0.874698	AT1G19960.1	similar to transmembrane receptor [Arabidopsis thaliana] (TAIR:AT2G32140.1)
A_84_P279970	0.874986	AT5G23130.1	peptidoglycan-binding LysM domain-containing protein
A_84_P18449	0.87507	AT1G06720.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G42440.1)
A_84_P844839	0.875755	AT4G39030.1	EDS5 (ENHANCED DISEASE SUSCEPTIBILITY 5); antiporter/transporter
A_84_P860280	0.876043	AT1G69490.1	NAP (NAC-LIKE, ACTIVATED BY AP3/PI); transcription factor
A_84_P852914	0.876097	AT3G26420.1	ATRZ-1A; RNA binding / nucleotide binding
A_84_P768737	0.876135	AT5G36002.1	other RNA
A_84_P14034	0.877584	AT5G45750.1	AtRABA1c (Arabidopsis Rab GTPase homolog A1c); GTP binding
A_84_P571830	0.878033	AT5G65925.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G49820.1)
A_84_P21256	0.880957	AT3G46490.1	oxidoreductase, acting on paired donors
A_84_P763062	0.881534	AT4G22710.1	CYP706A2 (cytochrome P450, family 706, subfamily A, polypeptide 2); oxygen binding
A_84_P538694	0.881868	AT3G58770.1	similar to hypothetical protein [Vitis vinifera] (GB:CAN63610.1)
A_84_P12406	0.883947	AT1G50110.1	branched-chain amino acid aminotransferase 6 / branched-chain amino acid transaminase 6
A_84_P12638	0.884125	AT3G08860.1	alanine--glyoxylate aminotransferase, putative / beta-alanine-pyruvate aminotransferase
A_84_P23773	0.884371	AT1G12220.1	RPS5 (RESISTANT TO P. SYRINGAE 5)
A_84_P10102	0.885538	AT4G34800.1	auxin-responsive family protein
A_84_P19941	0.885818	AT1G17060.1	CYP72C1 (cytochrome P450, family 72, subfamily C, polypeptide 1)
A_84_P20175	0.886636	AT2G01180.1	ATPAP1 (PHOSPHATIDIC ACID PHOSPHATASE 1)
A_84_P22854	0.887605	AT1G51790.1	kinase
A_84_P839763	0.887777	AT1G31230.1	AK-HSDH/AK-HSDH I (ASPARTATE KINASE-HOMOSERINE DEHYDROGENASE I)
A_84_P10171	0.889787	AT5G10300.1	hydrolase, alpha/beta fold family protein
A_84_P12126	0.889794	AT5G40540.1	protein kinase, putative
A_84_P15205	0.89092	AT1G16390.1	ATOCT3 (ARABIDOPSIS THALIANA ORGANIC CATION/CARNITINE

A_84_P12343	0.891951	AT1G03360.1	TRANSPORTER2)
A_84_P14556	0.89332	AT3G15540.1	ATTRP4; exonuclease
A_84_P19458	0.893497	AT4G04940.1	IAA19 (indoleacetic acid-induced protein 19); transcription factor
A_84_P14955	0.893611	AT5G39220.1	transducin family protein / WD-40 repeat family protein
A_84_P17428	0.895227	AT3G16490.1	hydrolase, alpha/beta fold family protein
A_84_P10122	0.896283	AT4G14040.1	IQD26 (IQ-domain 26); calmodulin binding
A_84_P21584	0.896501	AT1G72210.1	EDA38 (embryo sac development arrest 38); selenium binding
A_84_P15843	0.89651	AT5G10550.1	basic helix-loop-helix (bHLH) family protein (bHLH096)
			GTE2 (GLOBAL TRANSCRIPTION FACTOR GROUP E 2); DNA binding
A_84_P12242	0.897092	AT5G20400.1	oxidoreductase, 2OG-Fe(II) oxygenase family protein
A_84_P23620	0.897695	AT2G07675.1	ribosomal protein S12 mitochondrial family protein
A_84_P145729	0.897886	AT2G36420.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G03670.1)
A_84_P832235	0.898308	AT3G44870.1	S-adenosyl-L-methionine:carboxyl methyltransferase family protein
A_84_P10686	0.898439	AT2G17450.1	RHA3A (RING-H2 finger A3A); protein binding / zinc ion binding
A_84_P846639	0.898527	AT5G08780.1	histone H1/H5 family protein
A_84_P183974	0.899184	AT4G17480.1	palmitoyl protein thioesterase family protein
A_84_P13560	0.899906	AT2G32150.1	haloacid dehalogenase-like hydrolase family protein
A_84_P18423	0.901671	AT3G47480.1	calcium-binding EF hand family protein
A_84_P829954	0.902177	AT1G22330.1	RNA binding
A_84_P17137	0.902253	AT1G71330.1	ATNAP5 (Arabidopsis thaliana non-intrinsic ABC protein 5)
A_84_P307440	0.902802	AT5G49665.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P14426	0.903803	AT2G23300.1	leucine-rich repeat transmembrane protein kinase, putative
A_84_P169053	0.904266	AT3G45730.1	unknown protein
A_84_P21890	0.904476	AT1G70740.1	protein kinase family protein
A_84_P198744	0.905919	AT5G07790.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G61300.1)
A_84_P786210	0.906367	AT4G31550.2	WRKY11 (WRKY DNA-binding protein 11); transcription factor
A_84_P587454	0.906713	AT3G19850.1	phototropic-responsive NPH3 family protein
A_84_P23436	0.907766	AT5G22500.1	acyl CoA reductase, putative / male-sterility protein, putative
A_84_P311583	0.907835	AT5G42445.1	60S ribosomal protein L3 (RPL3C), pseudogene, temporary automated functional assignment
A_84_P152828	0.908755	AT2G35470.1	similar to unknown [Populus trichocarpa] (GB:ABK94143.1)
A_84_P19627	0.909618	AT5G10510.1	AIL6 (AINTEGUMENTA-LIKE 6); DNA binding / transcription factor
A_84_P589129	0.91006	AT2G40095.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G55880.2)
A_84_P78669	0.910074	AT5G03120.1	similar to hypothetical protein [Vitis vinifera] (GB:CAN68657.1)
A_84_P592126	0.910395	AT4G32810.1	CCD8 (CAROTENOID CLEAVAGE DIOXYGENASE 8)
A_84_P21415	0.910722	AT4G26890.1	MAPKKK16 (Mitogen-activated protein kinase kinase kinase 16); kinase

A_84_P14389	0.911984	AT2G19670.1	protein arginine N-methyltransferase, putative
A_84_P762532	0.912276	AT3G51238.1	other RNA
A_84_P847323	0.912311	AT2G18210.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G36500.1)
A_84_P822050	0.912633	AT3G23080.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G14500.1)
A_84_P759661	0.914787	AT3G27500.1	protein binding / zinc ion binding
A_84_P174151	0.914892	AT2G40330.1	Bet v I allergen family protein
A_84_P16510	0.915738	AT1G35710.1	leucine-rich repeat transmembrane protein kinase, putative
A_84_P10341	0.91677	AT5G15550.1	transducin family protein / WD-40 repeat family protein
A_84_P819884	0.916793	AT4G38550.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G20950.1)
A_84_P19047	0.918089	AT1G74100.1	sulfotransferase family protein
A_84_P824802	0.918328	AT2G44370.1	DC1 domain-containing protein
A_84_P78019	0.918928	AT1G72430.1	auxin-responsive protein-related
A_84_P19135	0.919017	AT2G28630.1	beta-ketoacyl-CoA synthase family protein
A_84_P810579	0.919989	AT4G30270.1	MER15B (MERISTEM-5)
A_84_P18500	0.92033	AT4G01700.1	chitinase, putative
A_84_P765172	0.921117	AT4G03038.1	other RNA
A_84_P561511	0.922071	AT2G36540.1	NLI interacting factor (NIF) family protein
A_84_P504929	0.922221	AT3G29000.1	calcium-binding EF hand family protein
A_84_P21462	0.922636	AT4G38560.1	similar to pEARLI4 [Arabidopsis thaliana] (TAIR:AT2G20960.1)
A_84_P793055	0.922737	AT4G30440.1	GAE1 (UDP-D-GLUCURONATE 4-EPIMERASE 1); UDP-glucuronate 4-epimerase/ catalytic
A_84_P557080	0.923336	AT2G32650.2	similar to PTAC18 (PLASTID TRANSCRIPTIONALLY ACTIVE18) [Arabidopsis thaliana]
A_84_P17994	0.92417	AT1G23030.1	armadillo/beta-catenin repeat family protein / U-box domain-containing protein
A_84_P18933	0.924246	AT1G24170.1	GATL8/LGT9 (Galacturonosyltransferase-like 8)
A_84_P18008	0.924499	AT1G10110.1	F-box family protein
A_84_P134385	0.924526	AT2G01910.1	ATMAP65-6; microtubule binding
A_84_P806987	0.925211	AT5G54270.1	LHCB3 (LIGHT-HARVESTING CHLOROPHYLL BINDING PROTEIN 3)
A_84_P257040	0.925766	AT4G16860.1	RPP4 (RECOGNITION OF PERONOSPORA PARASITICA 4)
A_84_P12139	0.925929	AT5G44400.1	FAD-binding domain-containing protein
A_84_P757124	0.926231	AT2G31751.1	unknown protein
A_84_P241903	0.926725	AT5G50200.1	WR3 (WOUND-RESPONSIVE 3); nitrate transmembrane transporter
A_84_P15800	0.92761	AT4G15920.1	nodulin MtN3 family protein
A_84_P847471	0.928132	AT1G33720.1	CYP76C6 (cytochrome P450, family 76, subfamily C, polypeptide 6)
A_84_P12954	0.928859	AT4G39210.1	APL3 (large subunit of AGP 3)

A_84_P17424	0.929946	AT3G14470.1	disease resistance protein (NBS-LRR class), putative
A_84_P16706	0.930184	AT4G31500.1	CYP83B1 (CYTOCHROME P450 MONOOXYGENASE 83B1)
A_84_P14934	0.931092	AT1G01120.1	KCS1 (3-KETOACYL-COA SYNTHASE 1); acyltransferase
A_84_P23712	0.932189	AT1G59860.1	17.6 kDa class I heat shock protein (HSP17.6A-CI)
A_84_P21393	0.933521	AT1G27030.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G27020.1)
A_84_P12944	0.935256	AT4G36110.1	auxin-responsive protein, putative
A_84_P21302	0.935409	AT3G56660.1	BZIP49; DNA binding / transcription factor
A_84_P21770	0.936042	AT1G23060.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G70950.1)
A_84_P21488	0.936371	AT5G01500.1	mitochondrial substrate carrier family protein
A_84_P254390	0.939969	AT2G30990.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G29240.1)
A_84_P22126	0.940036	AT3G23410.1	alcohol oxidase-related [AT3G23410.1]
A_84_P17047	0.941459	AT1G80730.1	ZFP1 (ARABIDOPSIS THALIANA ZINC-FINGER PROTEIN 1)
A_84_P23475	0.942007	AT1G72180.1	leucine-rich repeat transmembrane protein kinase, putative
A_84_P787353	0.942051	AT5G17350.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G03280.1)
A_84_P751456	0.942711	AT1G30310.1	transposable element gene
A_84_P20977	0.943208	AT1G14480.1	protein binding
A_84_P834883	0.943854	AT4G00160.1	F-box family protein
A_84_P19551	0.944869	AT4G33300.1	ADR1-L1 (ADR1-LIKE 1); ATP binding / protein binding
A_84_P17485	0.944977	AT3G49530.1	ANAC062 (Arabidopsis NAC domain containing protein 62)
A_84_P23846	0.945512	AT2G47180.1	ATGOLS1 (ARABIDOPSIS THALIANA GALACTINOL SYNTHASE 1)
A_84_P837686	0.945566	AT1G49390.1	oxidoreductase, 2OG-Fe(II) oxygenase family protein
A_84_P51550	0.945708	AT2G40750.1	WRKY54 (WRKY DNA-binding protein 54); transcription factor
A_84_P786936	0.94589	AT2G42300.1	basic helix-loop-helix (bHLH) family protein
A_84_P550871	0.946003	AT2G33750.1	ATPUP2 (Arabidopsis thaliana purine permease 2); purine transmembrane transporter
A_84_P13700	0.946065	AT3G48790.1	serine C-palmitoyltransferase, putative
A_84_P12310	0.947824	AT1G76960.1	unknown protein
A_84_P16057	0.948725	AT1G45145.1	ATTRX5 (thioredoxin H-type 5); thiol-disulfide exchange intermediate
A_84_P752140	0.949118	AT1G68585.1	metal ion binding
A_84_P22058	0.949165	AT2G39180.1	protein kinase family protein
A_84_P19231	0.950633	AT2G26150.1	ATHSFA2 (Arabidopsis thaliana heat shock transcription factor A2)
A_84_P565934	0.952256	AT2G34010.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G29010.1)
A_84_P19093	0.952474	AT1G78490.1	CYP708A3 (cytochrome P450, family 708, subfamily A, polypeptide 3)
A_84_P14837	0.95542	AT4G37750.1	ANT (AINTEGUMENTA); DNA binding / transcription factor
A_84_P14376	0.955888	AT1G58440.1	XF1 (SQUALENE EPOXIDASE 1); oxidoreductase
A_84_P592665	0.956729	AT2G24762.1	ATGDU4 (ARABIDOPSIS THALIANA GLUTAMINE DUMPER 4)
A_84_P98726	0.957354	AT2G34620.1	mitochondrial transcription termination factor-related / mTERF-related

A_84_P15324	0.957523	AT1G33560.1	ADR1 (ACTIVATED DISEASE RESISTANCE 1)
A_84_P10200	0.958353	AT5G23360.1	GRAM domain-containing protein / ABA-responsive protein-related
A_84_P860087	0.959587	AT1G27020.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G27030.1)
A_84_P310313	0.960062	AT2G26190.1	calmodulin-binding family protein
A_84_P786552	0.960139	AT2G20870.1	cell wall protein precursor, putative
A_84_P262040	0.960476	AT2G42580.1	TTL3 (TETRATRICOPETIDE-REPEAT THIOREDOXIN-LIKE 3); protein binding
A_84_P588688	0.960691	AT5G46500.1	similar to disease resistance protein (TIR-NBS-LRR class), putative
A_84_P22414	0.962201	AT4G39980.1	DHS1 (3-DEOXY-D-ARABINO-HEPTULOSONATE 7-PHOSPHATE SYNTHASE 1)
A_84_P216248	0.964272	AT1G69890.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G27100.1)
A_84_P17532	0.965992	AT3G60320.1	DNA binding [AT3G60320.1]
A_84_P11000	0.966022	AT4G24010.1	ATCSLG1 (Cellulose synthase-like G1)
A_84_P519833	0.966431	AT2G30520.1	RPT2 (ROOT PHOTOTROPISM 2); protein binding
A_84_P278230	0.967642	AT3G14090.1	ATEXO70D3 (exocyst subunit EXO70 family protein D3); protein binding
A_84_P765568	0.967953	AT4G13493.1	MIR850a; miRNA
A_84_P222519	0.96872	AT1G21130.1	O-methyltransferase, putative
A_84_P15467	0.969215	AT3G01290.1	band 7 family protein
A_84_P23593	0.969695	AT5G08350.1	GRAM domain-containing protein / ABA-responsive protein-related
A_84_P800742	0.972771	AT2G25900.1	ATCTH (Arabidopsis thaliana Cys3His zinc finger protein); transcription factor
A_84_P860907	0.973757	AT3G62420.1	ATBZIP53 (BASIC REGION/LEUCINE ZIPPER MOTIF 53)
A_84_P533968	0.974784	AT2G02540.1	ATHB21/ZFHD4 (ZINC FINGER HOMEODOMAIN 4); DNA binding / transcription factor
A_84_P11195	0.975923	AT5G44680.1	methyladenine glycosylase family protein
A_84_P764482	0.979328	AT4G34090.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G23370.1)
A_84_P10445	0.980086	AT1G10020.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G29310.1)
A_84_P17294	0.980477	AT2G20960.1	pEARLI4
A_84_P235393	0.980522	AT2G01930.1	ATBPC1/BBR/BPC1/BPC1 (BASIC PENTACYSTEINE1)
A_84_P20792	0.981	AT1G15670.1	kelch repeat-containing F-box family protein
A_84_P812910	0.982023	AT3G22235.1	unknown protein
A_84_P52340	0.982891	AT3G26840.1	esterase/lipase/thioesterase family protein
A_84_P544019	0.983384	AT4G00970.1	protein kinase family protein
A_84_P764568	0.983783	AT4G25845.1	unknown protein
A_84_P21248	0.984594	AT3G44560.1	oxidoreductase, acting on the CH-CH group of donors
A_84_P10236	0.985971	AT5G40780.1	LHT1 (LYSINE HISTIDINE TRANSPORTER 1); amino acid transmembrane transporter

A_84_P265400	0.986096	AT2G31110.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G42570.1)
A_84_P847580	0.986415	AT1G21100.1	O-methyltransferase, putative
A_84_P197114	0.986807	AT3G28180.1	ATCSLC04 (CELLULOSE-SYNTHASE LIKE C 4); transferase, transferring glycosyl groups
A_84_P573310	0.988501	AT4G01330.1	protein kinase family protein
A_84_P22650	0.988801	AT5G20740.1	invertase/pectin methylesterase inhibitor family protein
A_84_P265920	0.989121	AT3G18980.1	F-box family protein
A_84_P827867	0.990057	AT1G65880.1	BZO1; benzoate-CoA ligase
A_84_P261290	0.990449	AT1G31540.1	disease resistance protein (TIR-NBS-LRR class), putative
A_84_P582597	0.990904	AT1G09932.1	phosphoglycerate/bisphosphoglycerate mutase-related
A_84_P177804	0.991104	AT3G54460.1	SNF2 domain-containing protein / helicase domain-containing protein / F-box family protein
A_84_P23237	0.991302	AT4G03450.1	ankyrin repeat family protein
A_84_P592024	0.993292	AT3G63430.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G18620.2)
A_84_P17207	0.993439	AT1G57590.1	carboxylesterase
A_84_P21473	0.99515	AT4G15210.1	ATBETA-AMY (BETA-AMYLASE); beta-amylase
A_84_P587896	0.997027	AT1G05420.1	ATOFP12/OFP12 (Arabidopsis thaliana ovate family protein 12)
A_84_P556737	0.997629	AT5G65207.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G10040.1)
A_84_P18553	0.998109	AT4G21390.1	B120; protein kinase/ sugar binding
A_84_P818351	0.998383	AT3G16720.1	ATL2 (Arabidopsis T <sup>?</sup> xicos en Levadura 2); protein binding / zinc ion binding
A_84_P817886	0.99889	AT2G18730.1	diacylglycerol kinase, putative
A_84_P586644	0.999278	AT3G53232.1	DVL20/RTFL1 (ROTUNDIFOLIA 1)
A_84_P148358	0.999632	AT3G62630.1	similar to calmodulin-binding protein [Arabidopsis thaliana] (TAIR:AT2G15760.1)
A_84_P18191	0.999756	AT2G16870.1	disease resistance protein (TIR-NBS-LRR class), putative [AT2G16870.1]
A_84_P608304	1.000402	AT5G54710.1	ankyrin repeat family protein
A_84_P12738	1.000523	AT1G02660.1	lipase class 3 family protein
A_84_P20449	1.001251	AT4G22490.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P22149	1.001442	AT3G13310.1	DNAJ heat shock N-terminal domain-containing protein
A_84_P87399	1.003204	AT3G06520.1	agenet domain-containing protein
A_84_P813990	1.004978	AT4G30530.1	defense-related protein, putative
A_84_P155535	1.00557	AT5G56100.1	glycine-rich protein / oleosin
A_84_P868161	1.005813	AT1G14200.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P11932	1.006197	AT1G29160.1	Dof-type zinc finger domain-containing protein
A_84_P11217	1.006864	AT5G50260.1	cysteine proteinase, putative
A_84_P144519	1.007842	AT2G03260.1	EXS family protein / ERD1/XPR1/SYG1 family protein

A_84_P767270	1.008539	AT5G20240.1	PI (PISTILLATA); DNA binding / transcription factor
A_84_P53790	1.008556	AT1G49500.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G19030.1)
A_84_P11760	1.009272	AT3G24340.1	CHR40 (chromatin remodeling 40); ATP binding / DNA binding / helicase
A_84_P12978	1.009596	AT5G01810.1	CIPK15 (CBL-INTERACTING PROTEIN KINASE 15); kinase/ protein kinase
A_84_P766473	1.010251	AT5G25260.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G25250.1)
A_84_P19210	1.010396	AT2G46400.1	WRKY46 (WRKY DNA-binding protein 46); transcription factor
A_84_P233559	1.01088	AT1G10340.1	ankyrin repeat family protein
A_84_P822423	1.010881	AT1G27210.1	binding
A_84_P22112	1.011986	AT1G53070.1	legume lectin family protein
A_84_P754667	1.012126	AT1G31485.1	other RNA
A_84_P760741	1.013078	AT3G11010.1	disease resistance family protein / LRR family protein
A_84_P16522	1.013383	AT3G45640.1	ATMPK3 (MITOGEN-ACTIVATED PROTEIN KINASE 3); MAP kinase/ kinase/ protein kinase
A_84_P191974	1.013509	AT5G03210.1	unknown protein
A_84_P18141	1.013659	AT1G55450.1	embryo-abundant protein-related
A_84_P17332	1.014691	AT2G01850.1	EXGT-A3 (endo-xyloglucan transferase A3)
A_84_P14705	1.015337	AT3G62780.1	C2 domain-containing protein
A_84_P157715	1.015364	AT1G72930.1	TIR (TOLL/INTERLEUKIN-1 RECEPTOR-LIKE); transmembrane receptor
A_84_P860518	1.015471	AT1G69710.1	zinc finger protein, putative / regulator of chromosome condensation (RCC1) family protein
A_84_P194204	1.015961	AT4G33666.1	unknown protein
A_84_P761727	1.017271	AT3G13437.1	unknown protein
A_84_P11318	1.018235	AT1G35310.1	MLP168 (MLP-LIKE PROTEIN 168)
A_84_P83349	1.018372	AT1G26800.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P16626	1.019404	AT4G08770.1	peroxidase, putative
A_84_P835261	1.019924	AT2G21850.1	protein binding / zinc ion binding
A_84_P243265	1.020969	AT1G67900.1	phototropic-responsive NPH3 family protein
A_84_P17770	1.021751	AT5G25310.1	exostosin family protein
A_84_P17803	1.022506	AT1G72280.1	AERO1 (ARABIDOPSIS ENDOPLASMIC RETICULUM OXIDOREDUCTINS 1)
A_84_P18673	1.023258	AT5G07690.1	MYB29 (myb domain protein 29); DNA binding / transcription factor
A_84_P721757	1.023304	AT5G61412.1	unknown protein
A_84_P549066	1.024752	AT2G20250.1	unknown protein
A_84_P14129	1.02547	AT5G20960.1	AAO1 (ALDEHYDE OXIDASE 1)
A_84_P110112	1.026369	AT5G09980.1	PROPEP4 (Elicitor peptide 4 precursor)

A_84_P10050	1.026912	AT4G23060.1	IQD22 (IQ-domain 22); calmodulin binding
A_84_P139169	1.029174	AT1G67810.1	Fe-S metabolism associated domain-containing protein
A_84_P763076	1.029185	AT4G23420.1	short-chain dehydrogenase/reductase (SDR) family protein
A_84_P21219	1.030009	AT3G19580.1	AZF2 (ARABIDOPSIS ZINC-FINGER PROTEIN 2)
A_84_P504670	1.030548	AT1G73810.1	DNA binding
A_84_P215028	1.030664	AT3G25770.1	AOC2 (ALLENE OXIDE CYCLASE 2)
A_84_P14776	1.031325	AT4G23180.1	CRK10 (CYSTEINE-RICH RLK10); kinase
A_84_P503876	1.031907	AT2G27660.1	DC1 domain-containing protein
A_84_P15331	1.032513	AT2G43620.1	chitinase, putative
A_84_P20145	1.033186	AT2G18650.1	MEE16 (maternal effect embryo arrest 16); protein binding / zinc ion binding
A_84_P22453	1.034061	AT1G06540.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G30930.1)
A_84_P515865	1.034635	AT5G26690.1	heavy-metal-associated domain-containing protein [AT5G26690.1]
A_84_P800959	1.034767	AT4G15160.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P21252	1.037054	AT3G45680.1	proton-dependent oligopeptide transport (POT) family protein
A_84_P754621	1.038218	AT1G17147.1	similar to VQ motif-containing protein [Arabidopsis thaliana] (TAIR:AT1G78410.1)
A_84_P23505	1.038383	AT5G48880.1	KAT5/PKT1/PKT2
A_84_P13104	1.038905	AT5G49520.1	WRKY48 (WRKY DNA-binding protein 48); transcription factor
A_84_P21049	1.040261	AT2G26560.1	PLP2 (PHOSPHOLIPASE A 2A); nutrient reservoir
A_84_P767749	1.042523	AT5G39970.1	catalytic
A_84_P18072	1.043589	AT1G72520.1	lipoxygenase, putative
A_84_P869207	1.044592	AT1G23390.1	kelch repeat-containing F-box family protein
A_84_P607017	1.046246	AT3G13175.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO45116.1)
A_84_P210718	1.046816	AT3G60200.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G44600.1)
A_84_P11762	1.04712	AT3G28910.1	MYB30 (myb domain protein 30); DNA binding / transcription factor
A_84_P128906	1.047147	AT2G15390.1	FUT4 (fucosyltransferase 4); fucosyltransferase/ transferase, transferring glycosyl groups
A_84_P831845	1.04747	AT1G61100.1	disease resistance protein (TIR class), putative
A_84_P862538	1.047496	AT5G20010.1	RAN-1 (RAS RELATED NUCLEAR PROTEIN); GTP binding
A_84_P853555	1.048052	AT1G18020.1	12-oxophytodienoate reductase, putative
A_84_P789443	1.048544	AT3G55880.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G40095.1)
A_84_P98956	1.048701	AT5G42200.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P250505	1.049846	AT5G46780.1	VQ motif-containing protein
A_84_P175111	1.051402	AT3G06530.1	BAP28-related
A_84_P13709	1.052356	AT3G50770.1	calmodulin-related protein, putative
A_84_P22615	1.053197	AT1G55200.1	protein kinase family protein



A_84_P10811	1.055327	AT3G16420.1	PBP1 (PYK10-BINDING PROTEIN 1)
A_84_P758455	1.055726	AT2G07042.1	other RNA
A_84_P825674	1.058244	AT4G08930.1	ATAPRL6 (APR-LIKE 6)
A_84_P800757	1.058476	AT5G64260.1	phosphate-responsive protein, putative
A_84_P835962	1.058873	AT4G19520.1	disease resistance protein (TIR-NBS-LRR class), putative
A_84_P19559	1.059797	AT1G15010.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G01300.1)
A_84_P17584	1.06044	AT1G17380.1	JAZ5/TIFY11A (JASMONATE-ZIM-DOMAIN PROTEIN 5)
A_84_P825802	1.060842	AT5G25250.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G64870.1)
A_84_P79415	1.063441	AT2G18300.1	basic helix-loop-helix (bHLH) family protein
A_84_P18998	1.063685	AT1G72900.1	disease resistance protein (TIR-NBS class), putative
A_84_P513250	1.064216	AT5G54145.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G27657.1)
A_84_P599301	1.065625	AT5G06470.1	glutaredoxin family protein
A_84_P13089	1.065994	AT5G45730.1	DC1 domain-containing protein
A_84_P12178	1.066968	AT1G56120.1	leucine-rich repeat family protein / protein kinase family protein
A_84_P217918	1.070242	AT1G71970.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G22680.1)
A_84_P798884	1.070782	AT4G34750.1	auxin-responsive protein, putative / small auxin up RNA (SAUR_E)
A_84_P704033	1.071472	AT1G11185.1	other RNA
A_84_P12103	1.072013	AT5G27120.1	SAR DNA-binding protein, putative
A_84_P17043	1.072239	AT1G24150.1	ATFH4/FH4 (FORMIN HOMOLOGUE 4); actin binding / protein binding
A_84_P161533	1.072294	AT2G34260.1	transducin family protein / WD-40 repeat family protein
A_84_P23021	1.072708	AT2G29090.1	CYP707A2 (cytochrome P450, family 707, subfamily A, polypeptide 2)
A_84_P788550	1.073882	AT1G31180.1	3-isopropylmalate dehydrogenase, chloroplast, putative
A_84_P15758	1.076022	AT4G31000.1	calmodulin-binding protein
A_84_P62700	1.076293	AT5G06530.1	ABC transporter family protein
A_84_P19632	1.076513	AT5G11740.1	AGP15 (ARABINOGALACTAN PROTEIN 15)
A_84_P104386	1.076981	AT2G04100.1	MATE efflux family protein
A_84_P10711	1.077112	AT2G39330.1	jacalin lectin family protein
A_84_P14693	1.07767	AT3G59750.1	receptor lectin kinase, putative
A_84_P11973	1.079339	AT4G30110.1	HMA2 (Heavy metal ATPase 2)
A_84_P17934	1.079847	AT5G04340.1	C2H2 (ZINC FINGER OF ARABIDOPSIS THALIANA 6)
A_84_P18855	1.082071	AT5G17030.1	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P97466	1.082591	AT2G27830.1	similar to pentatricopeptide (PPR) repeat-containing protein [Arabidopsis thaliana]
A_84_P808187	1.08311	AT1G70850.3	MLP34 (MLP-LIKE PROTEIN 34)
A_84_P21578	1.08318	AT5G39670.1	calcium-binding EF hand family protein
A_84_P540304	1.084862	AT3G02500.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G16030.1)
A_84_P13988	1.086488	AT5G25450.1	ubiquinol-cytochrome C reductase complex 14 kDa protein, putative

A_84_P189624	1.086702	AT1G70890.1	MLP43 (MLP-LIKE PROTEIN 43)
A_84_P859998	1.08706	AT3G54600.1	DJ-1 family protein
A_84_P284940	1.088476	AT1G70270.1	unknown protein
A_84_P14811	1.090364	AT4G30680.1	MA3 domain-containing protein
A_84_P18587	1.090572	AT1G08090.1	ATNRT2:1 (Arabidopsis thaliana high affinity nitrate transporter 2.1)
A_84_P21298	1.090939	AT3G55910.1	unknown protein
A_84_P88649	1.092862	AT2G02850.1	ARPN (PLANTACYANIN); copper ion binding
A_84_P234563	1.097899	AT2G25250.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G32020.1)
A_84_P11850	1.098121	AT3G57760.1	protein kinase family protein
A_84_P14817	1.098124	AT1G27100.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G69900.1)
A_84_P15766	1.099524	AT4G32980.1	ATH1 (ARABIDOPSIS THALIANA HOMEODOMAIN GENE 1); transcription factor
A_84_P17822	1.099736	AT5G47070.1	protein kinase, putative
A_84_P556095	1.100072	AT1G77030.1	glycine-rich protein
A_84_P11184	1.101707	AT1G72240.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G22470.1)
A_84_P769565	1.101946	AT5G44585.1	unknown protein
A_84_P17520	1.10239	AT1G24070.1	ATCSLA10 (Cellulose synthase-like A10); transferase, transferring glycosyl groups
A_84_P186514	1.103148	AT5G45100.1	protein binding / zinc ion binding
A_84_P19766	1.10415	AT5G60950.1	COBL5 (COBRA-LIKE PROTEIN 5 PRECURSOR)
A_84_P16478	1.104653	AT3G14460.1	disease resistance protein (NBS-LRR class), putative
A_84_P10124	1.10639	AT4G14560.1	IAA1 (INDOLE-3-ACETIC ACID INDUCIBLE); transcription factor
A_84_P823769	1.112104	AT3G58980.1	F-box family protein
A_84_P228659	1.114819	AT2G32190.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G32210.1)
A_84_P503591	1.11605	AT4G25990.1	CIL
A_84_P19576	1.116853	AT4G39940.1	AKN2 (APS-KINASE 2); ATP binding / kinase/ transferase
A_84_P15781	1.117433	AT4G37370.1	CYP81D8 (cytochrome P450, family 81, subfamily D, polypeptide 8)
A_84_P13165	1.119138	AT5G65320.1	basic helix-loop-helix (bHLH) family protein
A_84_P251265	1.119472	AT1G63720.1	similar to hydroxyproline-rich glycoprotein family protein [Arabidopsis thaliana]
A_84_P13043	1.121628	AT5G25440.1	protein kinase family protein
A_84_P593798	1.121756	AT3G61660.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G46375.1)
A_84_P801093	1.122152	AT5G37770.1	TCH2 (TOUCH 2); calcium ion binding
A_84_P19805	1.122262	AT5G28650.1	WRKY74 (WRKY DNA-binding protein 74); transcription factor
A_84_P18676	1.123923	AT5G08520.1	myb family transcription factor
A_84_P137499	1.125701	AT2G20180.1	PIL5 (PHYTOCHROME INTERACTING FACTOR 3-LIKE 5); transcription factor

A_84_P813646	1.126054	AT2G26530.1	AR781 [AT2G26530.1]
A_84_P23050	1.126601	AT3G04720.1	PR4 (PATHOGENESIS-RELATED 4)
A_84_P803216	1.126918	AT5G06320.1	NHL3 (NDR1/HIN1-like 3)
A_84_P13699	1.128679	AT3G48550.1	similar to ATIDD15/SGR5
A_84_P21942	1.129283	AT1G51850.1	leucine-rich repeat protein kinase, putative
A_84_P21685	1.12971	AT5G67450.1	AZF1 (ARABIDOPSIS ZINC-FINGER PROTEIN 1)
A_84_P19981	1.129993	AT1G30370.1	lipase class 3 family protein
A_84_P550347	1.130426	AT4G39720.1	VQ motif-containing protein
A_84_P21312	1.13128	AT3G59440.1	calcium-binding protein, putative
A_84_P21842	1.131429	AT1G65860.1	flavin-containing monooxygenase family protein / FMO family protein
A_84_P19217	1.131507	AT2G20610.1	SUR1 (SUPERROOT 1); transaminase
A_84_P16742	1.134242	AT4G14680.1	APS3 (ATP sulfurylase 2); sulfate adenylyltransferase (ATP)
A_84_P288470	1.135834	AT4G23220.1	protein kinase family protein
A_84_P18856	1.137243	AT5G17490.1	RGL3 (RGA-LIKE 3); transcription factor
A_84_P21078	1.137646	AT2G21200.1	auxin-responsive protein, putative
A_84_P16825	1.137649	AT5G25490.1	zinc finger (Ran-binding) family protein
A_84_P18720	1.137812	AT5G26340.1	MSS1 (SUGAR TRANSPORT PROTEIN 13)
A_84_P14907	1.140037	AT5G13700.1	APAO/ATPAO1 (POLYAMINE OXIDASE 1); FAD binding / polyamine oxidase
A_84_P205258	1.142823	AT3G12150.1	similar to hypothetical protein [Vitis vinifera] (GB:CAN81264.1)
A_84_P24034	1.143078	AT3G17760.1	GAD5 (GLUTAMATE DECARBOXYLASE 5); calmodulin binding
A_84_P72634	1.143873	AT4G36500.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G18210.1)
A_84_P13426	1.144018	AT1G57750.1	CYP96A15/MAH1 (MID-CHAIN ALKANE HYDROXYLASE 1); oxygen binding
A_84_P528136	1.144076	AT4G23190.1	CRK11 (CYSTEINE-RICH RLK11); kinase
A_84_P19668	1.145035	AT5G27220.1	protein transport protein-related
A_84_P21600	1.14885	AT5G45650.1	subtilase family protein
A_84_P582090	1.150253	AT3G18773.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P16571	1.150664	AT3G56400.1	WRKY70 (WRKY DNA-binding protein 70); transcription factor
A_84_P206488	1.151989	AT1G35230.1	AGP5 (ARABINOGALACTAN-PROTEIN 5)
A_84_P580100	1.152034	AT1G77960.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G28630.4)
A_84_P229729	1.154789	AT2G20142.1	transmembrane receptor
A_84_P784826	1.155781	AT1G61260.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G11220.1)
A_84_P267250	1.156973	AT5G44190.1	GLK2 (GOLDEN2-LIKE 2); DNA binding / transcription factor
A_84_P22647	1.157042	AT5G08330.1	TCP family transcription factor, putative
A_84_P556161	1.157057	AT2G22620.1	lyase
A_84_P11822	1.158147	AT3G51450.1	strictosidine synthase family protein

A_84_P22932	1.159751	AT2G22770.1	NAI1; DNA binding / transcription factor
A_84_P565178	1.159928	AT3G25882.1	NIMIN-2 (NIM1-INTERACTING 2)
A_84_P839208	1.160017	AT1G70260.1	nodulin MtN21 family protein
A_84_P242875	1.160087	AT3G03030.1	F-box family protein
A_84_P22610	1.160531	AT5G62210.1	embryo-specific protein-related
A_84_P591022	1.161528	AT3G21530.1	endonuclease/exonuclease/phosphatase family protein
A_84_P11694	1.161657	AT3G01830.1	calmodulin-related protein, putative
A_84_P579612	1.162552	AT4G27652.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G27657.1)
A_84_P20172	1.163194	AT2G34490.1	CYP710A2 (cytochrome P450, family 710, subfamily A, polypeptide 2)
A_84_P302850	1.165603	AT2G37870.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P223559	1.167574	AT2G14560.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G33840.1)
A_84_P194694	1.167693	AT2G38860.1	YLS5 (yellow-leaf-specific gene 5)
A_84_P171543	1.168109	AT2G28460.1	protein binding / zinc ion binding
A_84_P766550	1.168142	AT5G25130.1	CYP71B12 (cytochrome P450, family 71, subfamily B, polypeptide 12); oxygen binding
A_84_P610685	1.168268	AT3G59670.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G37440.2)
A_84_P190014	1.168563	AT4G36030.1	armadillo/beta-catenin repeat family protein
A_84_P15826	1.171426	AT5G05600.1	oxidoreductase, 2OG-Fe(II) oxygenase family protein
A_84_P141659	1.173521	AT4G01360.1	similar to BPS1 (BYPASS 1) [Arabidopsis thaliana] (TAIR:AT1G01550.2)
A_84_P14348	1.174802	AT1G13700.1	glucosamine/galactosamine-6-phosphate isomerase family protein
A_84_P13029	1.177501	AT5G18630.1	lipase class 3 family protein
A_84_P145439	1.177527	AT2G31865.1	poly (ADP-ribose) glycohydrolase (PARG) family protein
A_84_P760477	1.181044	AT3G03855.1	pseudogene of disease resistance protein
A_84_P89389	1.181757	AT4G15760.1	monooxygenase, putative (MO1)
A_84_P10415	1.183828	AT1G52030.1	MBP2 (MYROSINASE-BINDING PROTEIN 2)
A_84_P19549	1.184343	AT4G32790.1	exostosin family protein
A_84_P10598	1.184621	AT1G33600.1	leucine-rich repeat family protein
A_84_P826417	1.18626	AT5G24110.1	WRKY30 (WRKY DNA-binding protein 30); transcription factor
A_84_P20844	1.186458	AT1G09480.1	cinnamyl-alcohol dehydrogenase family / CAD family
A_84_P11067	1.186792	AT1G48020.1	invertase/pectin methylesterase inhibitor family protein
A_84_P828765	1.189142	AT2G43930.1	protein kinase family protein
A_84_P12956	1.189978	AT4G39830.1	L-ascorbate oxidase, putative
A_84_P22181	1.190524	AT3G28210.1	PMZ; zinc ion binding
A_84_P23478	1.191001	AT5G41750.1	disease resistance protein (TIR-NBS-LRR class), putative
A_84_P13379	1.193903	AT1G52830.1	IAA6 (indoleacetic acid-induced protein 6); transcription factor
A_84_P282640	1.194084	AT2G23170.1	GH3.3; indole-3-acetic acid amido synthetase
A_84_P21202	1.194892	AT3G12830.1	auxin-responsive family protein

A_84_P763881	1.195687	AT4G20830.1	FAD-binding domain-containing protein
A_84_P575245	1.195705	AT5G16190.1	ATCSLA11 (Cellulose synthase-like A11)
A_84_P20642	1.197617	AT5G42250.1	alcohol dehydrogenase, putative
A_84_P545592	1.197853	AT2G39650.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G14620.1)
A_84_P10997	1.198119	AT4G23310.1	receptor-like protein kinase, putative
A_84_P10152	1.198127	AT5G04760.1	myb family transcription factor
A_84_P11714	1.199403	AT3G04210.1	disease resistance protein (TIR-NBS class), putative
A_84_P263710	1.200566	AT3G27960.1	kinesin light chain-related
A_84_P23123	1.201613	AT3G13672.1	seven in absentia (SINA) family protein
A_84_P10517	1.201954	AT1G73860.1	microtubule motor
A_84_P19825	1.202856	AT5G04190.1	PKS4 (PHYTOCHROME KINASE SUBSTRATE 4)
A_84_P13368	1.206261	AT1G20160.1	ATSBT5.2; subtilase
A_84_P812905	1.207407	AT3G22231.1	PCC1 (PATHOGEN AND CIRCADIAN CONTROLLED 1)
A_84_P18975	1.20886	AT1G10560.1	armadillo/beta-catenin repeat family protein / U-box domain-containing protein
A_84_P845967	1.209224	AT5G22570.1	WRKY38 (WRKY DNA-binding protein 38); transcription factor
A_84_P208698	1.210814	AT3G12890.1	ASML2 (ACTIVATOR OF SPOMIN::LUC2)
A_84_P209868	1.211643	AT2G32130.1	similar to UNE1 (unfertilized embryo sac 1) [Arabidopsis thaliana] (TAIR:AT1G29300.1)
A_84_P134445	1.212743	AT5G60760.1	2-phosphoglycerate kinase-related
A_84_P23279	1.213346	AT4G20430.1	subtilase family protein
A_84_P503480	1.215112	AT5G45630.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G18980.1)
A_84_P21246	1.217253	AT3G43960.1	cysteine proteinase, putative
A_84_P177674	1.217269	AT5G25210.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G32030.1)
A_84_P753793	1.218995	AT1G70830.4	MLP28 (MLP-LIKE PROTEIN 28)
A_84_P23859	1.219042	AT2G30250.1	WRKY25 (WRKY DNA-binding protein 25); transcription factor
A_84_P587549	1.219613	AT3G60470.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G44930.1)
A_84_P18681	1.221454	AT5G10520.1	RBK1 (ROP BINDING PROTEIN KINASES 1); kinase [AT5G10520.1]
A_84_P855311	1.222797	AT4G03210.1	XTH9 (XYLOGLUCAN ENDOTRANSGLUCOSYLASE/HYDROLASE 9); hydrolase, acting on glycosyl bonds
A_84_P11470	1.227337	AT1G66400.1	calmodulin-related protein, putative
A_84_P12512	1.227819	AT2G29890.1	VLN1 (VILLIN 1); actin binding
A_84_P125601	1.229279	AT3G22240.1	unknown protein
A_84_P23151	1.230016	AT3G47110.1	leucine-rich repeat transmembrane protein kinase, putative
A_84_P538806	1.230441	AT4G31877.1	MIR156C; miRNA
A_84_P12367	1.230586	AT1G11670.1	MATE efflux family protein
A_84_P85269	1.230838	AT1G24909.1	anthranilate synthase beta subunit, putative

A_84_P611583	1.232832	AT3G60960.1	pentatricopeptide (PPR) repeat-containing protein
A_84_P18640	1.233181	AT4G16590.1	ATCSLA01 (Cellulose synthase-like A1)
A_84_P16606	1.234823	AT4G01250.1	WRKY22 (WRKY DNA-binding protein 22); transcription factor
A_84_P11902	1.234964	AT4G09420.1	disease resistance protein (TIR-NBS class), putative
A_84_P21864	1.236259	AT1G73805.1	calmodulin binding
A_84_P13883	1.237497	AT4G34850.1	chalcone and stilbene synthase family protein
A_84_P22857	1.239193	AT1G17990.1	12-oxophytodienoate reductase, putative
A_84_P22740	1.240631	AT1G77200.1	AP2 domain-containing transcription factor TINY, putative
A_84_P18571	1.240941	AT4G25630.1	FIB2 (FIBRILLARIN 2)
A_84_P146458	1.241314	AT5G24290.1	integral membrane family protein
A_84_P173921	1.241354	AT2G47440.1	DNAJ heat shock N-terminal domain-containing protein
A_84_P20156	1.24376	AT2G41430.1	ERD15 (EARLY RESPONSIVE TO DEHYDRATION 15)
A_84_P10559	1.245003	AT1G01560.1	ATMPK11 (Arabidopsis thaliana MAP kinase 11); MAP kinase/ kinase
A_84_P10871	1.248605	AT3G50280.1	transferase family protein
A_84_P91079	1.248756	AT5G22520.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G22530.1)
A_84_P211588	1.251372	AT4G24110.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO62924.1)
A_84_P602094	1.253338	AT5G54720.1	ankyrin repeat family protein
A_84_P22377	1.253603	AT4G30430.1	TET9 (TETRASPANIN9)
A_84_P21994	1.25598	AT2G26440.1	pectinesterase family protein
A_84_P10967	1.257092	AT4G11890.1	protein kinase family protein
A_84_P528334	1.257247	AT5G50915.1	basic helix-loop-helix (bHLH) family protein
A_84_P19202	1.257781	AT2G30860.1	ATGSTF9 (Arabidopsis thaliana Glutathione S-transferase (class phi) 9)
A_84_P564785	1.258365	AT1G14250.1	nucleoside phosphatase family protein / GDA1/CD39 family protein
A_84_P555983	1.259199	AT1G30190.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G34610.1)
A_84_P11156	1.260398	AT5G26170.1	WRKY50 (WRKY DNA-binding protein 50); transcription factor
A_84_P303810	1.260819	AT1G56150.1	auxin-responsive family protein
A_84_P12144	1.261059	AT5G45720.1	ATP binding / DNA binding
A_84_P13407	1.262384	AT1G18590.1	sulfotransferase family protein
A_84_P19021	1.263564	AT1G70520.1	protein kinase family protein
A_84_P11463	1.264113	AT1G73620.1	thaumatin-like protein, putative / pathogenesis-related protein, putative
A_84_P17546	1.264875	AT3G44860.1	FAMT (FARNESOIC ACID CARBOXYL-O-METHYLTRANSFERASE)
A_84_P787018	1.265331	AT1G51670.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G48180.1)
A_84_P56360	1.266279	AT5G57010.1	calmodulin-binding family protein
A_84_P19511	1.268201	AT4G24380.1	hydrolase, acting on ester bonds
A_84_P69204	1.270215	AT1G21110.1	O-methyltransferase, putative
A_84_P294634	1.27125	AT5G53500.1	WD-40 repeat family protein
A_84_P561097	1.272138	AT5G46295.1	unknown protein

A_84_P828366	1.272763	AT1G33610.1	leucine-rich repeat family protein
A_84_P255510	1.273598	AT1G72450.1	JAZ6/TIFY11B (JASMONATE-ZIM-DOMAIN PROTEIN 6)
A_84_P760208	1.273625	AT3G26620.1	LBD23 (LOB DOMAIN-CONTAINING PROTEIN 23)
A_84_P528434	1.273798	AT5G56960.1	basic helix-loop-helix (bHLH) family protein
A_84_P544532	1.275982	AT1G58225.1	unknown protein
A_84_P530104	1.276333	AT5G52740.1	heavy-metal-associated domain-containing protein
A_84_P128501	1.276627	AT5G23480.1	similar to SWIB complex BAF60b domain-containing protein
A_84_P510027	1.277095	AT2G04495.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G04515.1)
A_84_P18180	1.277805	AT2G31880.1	leucine-rich repeat transmembrane protein kinase, putative
A_84_P844205	1.278804	AT4G23160.1	protein kinase family protein
A_84_P16668	1.283319	AT4G23200.1	protein kinase family protein
A_84_P19999	1.284061	AT1G52770.1	phototropic-responsive NPH3 family protein
A_84_P786411	1.284526	AT4G03060.1	AOP2 (ALKENYL HYDROXALKYL PRODUCING 2)
A_84_P785249	1.284966	AT4G31800.1	WRKY18 (WRKY DNA-binding protein 18); transcription factor
A_84_P824302	1.285138	AT4G29310.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G10020.1)
A_84_P558681	1.290301	AT1G53885.1	senescence-associated protein-related
A_84_P13064	1.290461	AT5G38850.1	disease resistance protein (TIR-NBS-LRR class), putative
A_84_P17710	1.291601	AT5G02760.1	protein phosphatase 2C family protein / PP2C family protein
A_84_P53500	1.291702	AT2G35310.1	transcriptional factor B3 family protein
A_84_P18579	1.293163	AT4G27300.1	S-locus protein kinase, putative
A_84_P786499	1.293495	AT3G25760.1	AOC1 (ALLENE OXIDE CYCLASE 1)
A_84_P603116	1.295915	AT1G13670.1	unknown protein
A_84_P830096	1.295984	AT5G44575.1	unknown protein
A_84_P752754	1.297524	AT1G64195.1	Encodes a defensin-like (DEFL) family protein.
A_84_P17326	1.301825	AT2G38470.1	WRKY33 (WRKY DNA-binding protein 33); transcription factor
A_84_P270130	1.305658	AT4G18440.1	adenylosuccinate lyase, putative / adenylosuccinase, putative
A_84_P175491	1.307128	AT5G62520.1	SRO5 (SIMILAR TO RCD ONE 5); NAD <sup>+</sup> ADP-ribosyltransferase
A_84_P16831	1.31027	AT5G27420.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P600694	1.310868	AT2G30900.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G42570.1)
A_84_P16493	1.311266	AT3G22600.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P21449	1.312194	AT4G34770.1	auxin-responsive family protein
A_84_P22810	1.312283	AT1G73830.1	BEE3 (BR ENHANCED EXPRESSION 3); DNA binding / transcription factor
A_84_P21275	1.312908	AT3G50930.1	AAA-type ATPase family protein
A_84_P11030	1.312989	AT4G30450.1	glycine-rich protein
A_84_P22617	1.314619	AT5G64000.1	SAL2; 3'(2'),5'-bisphosphate nucleotidase/ inositol or phosphatidylinositol phosphatase

A_84_P20114	1.315692	AT2G32680.1	disease resistance family protein
A_84_P11230	1.315727	AT5G54190.1	PORA (Protochlorophyllide reductase A); oxidoreductase/ protochlorophyllide reductase
A_84_P158475	1.318592	AT2G41640.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G57380.1)
A_84_P522226	1.319155	AT5G57420.1	IAA33 (indoleacetic acid-induced protein 33); transcription factor [AT5G57420.1]
A_84_P146199	1.319419	AT5G05440.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G38310.1)
A_84_P14294	1.321774	AT1G63750.1	ATP binding / nucleoside-triphosphatase/ nucleotide binding / protein binding
A_84_P24055	1.322268	AT3G28890.1	leucine-rich repeat family protein
A_84_P16283	1.322915	AT2G43290.1	MSS3 (MULTICOPY SUPPRESSORS OF SNF4 DEFICIENCY IN YEAST 3); calcium ion binding
A_84_P14299	1.323085	AT1G75040.1	PR5 (PATHOGENESIS-RELATED GENE 5)
A_84_P14898	1.325253	AT5G10760.1	aspartyl protease family protein
A_84_P85619	1.3276	AT1G63090.1	ATPP2-A11 (Phloem protein 2-A11); carbohydrate binding
A_84_P173081	1.329994	AT3G14510.1	geranylgeranyl pyrophosphate synthase
A_84_P281450	1.330869	AT1G21270.1	WAK2 (wall-associated kinase 2); protein serine/threonine kinase
A_84_P18192	1.33106	AT2G20750.1	ATEXPB1 (ARABIDOPSIS THALIANA EXPANSIN B1)
A_84_P20045	1.332645	AT1G57630.1	disease resistance protein (TIR class), putative
A_84_P176794	1.333372	AT1G70990.1	proline-rich family protein
A_84_P16943	1.334428	AT1G52410.1	TSA1 (TSK-ASSOCIATING PROTEIN 1)
A_84_P312233	1.335156	AT4G23230.1	protein kinase family protein
A_84_P554830	1.336137	AT5G20635.1	receptor
A_84_P16824	1.336958	AT5G25280.1	serine-rich protein-related
A_84_P21591	1.337506	AT5G43170.1	AZF3 (ARABIDOPSIS ZINC-FINGER PROTEIN 3)
A_84_P21745	1.337656	AT1G02400.1	ATGA2OX6/DTA1 (GIBBERELLIN 2-OXIDASE 6); gibberellin 2-beta-dioxygenase
A_84_P119582	1.338158	AT5G48490.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P757222	1.340683	AT2G16367.1	Encodes a defensin-like (DEFL) family protein.
A_84_P16567	1.341501	AT3G55560.1	AGF2 (AT-HOOK PROTEIN OF GA FEEDBACK 2)
A_84_P13943	1.342325	AT5G07460.1	PMSR2 (PEPTIDEMETHIONINE SULFOXIDE REDUCTASE 2)
A_84_P220458	1.34288	AT4G23610.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G54200.1)
A_84_P545036	1.345585	AT4G39795.1	senescence-associated protein-related
A_84_P22952	1.346076	AT2G46650.1	B5 #1 (cytochrome b5 family protein #1)
A_84_P607908	1.348491	AT3G15300.1	VQ motif-containing protein
A_84_P22659	1.349407	AT1G56540.1	disease resistance protein (TIR-NBS-LRR class), putative
A_84_P10495	1.349901	AT1G65890.1	acyl-activating enzyme 12 (AAE12)



A_84_P559351	1.353117	AT5G55460.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P16678	1.354701	AT4G25420.1	GA5 (GA REQUIRING 5)
A_84_P20971	1.355485	AT1G22340.1	ATUGT85A7 (UDP-GLUCOSYL TRANSFERASE 85A7)
A_84_P829039	1.355689	AT4G19515.1	disease resistance family protein
A_84_P10399	1.356306	AT1G17745.1	PGDH (3-PHOSPHOGLYCERATE DEHYDROGENASE); phosphoglycerate dehydrogenase
A_84_P11197	1.357747	AT5G45110.1	NPR3 (NPR1-LIKE PROTEIN 3); protein binding
A_84_P22672	1.365033	AT1G03457.1	RNA-binding protein, putative
A_84_P19484	1.369376	AT4G13770.1	CYP83A1 (CYTOCHROME P450 83A1); oxygen binding
A_84_P13295	1.371622	AT1G22650.1	beta-fructofuranosidase
A_84_P21554	1.37182	AT5G25380.1	CYCA2;1 (CYCLIN A2;1); cyclin-dependent protein kinase regulator
A_84_P141439	1.372346	AT5G24770.1	VSP2 (VEGETATIVE STORAGE PROTEIN 2); acid phosphatase [
A_84_P751820	1.372666	AT1G26200.1	pseudogene, putative fungal resistance protein Asc1
A_84_P22972	1.37499	AT2G42980.1	aspartyl protease family protein
A_84_P597689	1.377716	AT5G65340.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G22460.1)
A_84_P869713	1.379503	AT5G52760.1	heavy-metal-associated domain-containing protein
A_84_P20050	1.383285	AT1G14370.1	APK2A (PROTEIN KINASE 2A); kinase
A_84_P18092	1.3849	AT1G51620.1	protein kinase family protein
A_84_P826409	1.385045	AT4G34250.1	fatty acid elongase, putative
A_84_P10684	1.386603	AT2G23010.1	SCPL9; serine carboxypeptidase
A_84_P20018	1.388414	AT1G12630.1	DNA binding / transcription activator/ transcription factor
A_84_P23462	1.392878	AT5G37540.1	aspartyl protease family protein
A_84_P788748	1.393286	AT1G13470.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G13520.1)
A_84_P168493	1.395149	AT3G46620.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P594938	1.395637	AT5G46490.2	disease resistance protein (TIR-NBS class), putative
A_84_P128551	1.397902	AT5G03670.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G36420.1)
A_84_P19830	1.398001	AT1G35350.1	similar to SHB1 (SHORT HYPOCOTYL UNDER BLUE1) [Arabidopsis thaliana] (TAIR:AT4G25350.1)
A_84_P607832	1.399294	AT2G41150.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G56750.1)
A_84_P569157	1.400002	AT5G67410.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G14850.1)
A_84_P520804	1.400556	AT3G06020.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G19260.1)
A_84_P800816	1.400765	AT3G10985.1	SAG20 (WOUND-INDUCED PROTEIN 12)
A_84_P12886	1.401894	AT4G23130.1	CRK5 (CYSTEINE-RICH RLK5); kinase
A_84_P19375	1.402714	AT3G49110.1	ATPCA/ATPRX33/PRX33/PRXCA (PEROXIDASE 33); peroxidase
A_84_P109962	1.407337	AT1G21240.1	WAK3 (WALL ASSOCIATED KINASE 3); kinase/ protein serine/threonine kinase
A_84_P786204	1.409027	AT1G21310.1	ATEXT3 (EXTENSIN 3); structural constituent of cell wall

A_84_P554758	1.410039	AT4G37810.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G10310.1)
A_84_P14253	1.410891	AT1G79400.1	ATCHX2 (CATION/H+ EXCHANGER 2); monovalent cation:proton antiporter
A_84_P751391	1.413114	AT1G21525.1	pseudogene of unknown protein
A_84_P260410	1.413475	AT1G78450.1	SOUL heme-binding family protein
A_84_P17161	1.413542	AT1G52750.1	hydrolase, alpha/beta fold family protein
A_84_P22693	1.415908	AT1G69040.1	ACR4 (ACT REPEAT 4); amino acid binding
A_84_P807259	1.41613	AT5G67300.1	ATMYB44/ATMYBR1/MYBR1 (MYB DOMAIN PROTEIN 44); DNA binding / transcription factor
A_84_P295294	1.416309	AT2G36050.1	ATOFFP15/OFP15 (Arabidopsis thaliana ovate family protein 15)
A_84_P20587	1.417304	AT5G15150.1	ATHB-3 (ARABIDOPSIS THALIANA HOMEODOMAIN PROTEIN 3); DNA binding / transcription factor
A_84_P814710	1.418316	AT1G14870.1	Identical to Uncharacterized protein At1g14870 [Arabidopsis Thaliana] (GB:Q9LQU4)
A_84_P754822	1.420111	AT1G10657.3	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G55240.1)
A_84_P831728	1.420273	AT5G17220.1	ATGSTF12 (GLUTATHIONE S-TRANSFERASE 26); glutathione transferase
A_84_P10002	1.420879	AT4G04810.1	methionine sulfoxide reductase domain-containing protein / SeIR domain-containing protein
A_84_P20376	1.422068	AT3G61970.1	NGA2 (NGATHA2); transcription factor
A_84_P18414	1.422508	AT1G02610.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P17028	1.42275	AT1G62560.1	flavin-containing monooxygenase family protein / FMO family protein
A_84_P566091	1.422784	AT3G44440.1	unknown protein
A_84_P283560	1.424596	AT2G24600.1	ankyrin repeat family protein
A_84_P21330	1.425654	AT3G44900.1	ATCHX4 (CATION/H+ EXCHANGER 4); monovalent cation:proton antiporter
A_84_P755370	1.425814	AT2G15120.1	pseudogene, disease-resistance family protein / fatty acid elongase-related
A_84_P15159	1.428555	AT1G70090.1	GATL9/LGT8 (Galacturonosyltransferase-like 9)
A_84_P23217	1.429908	AT3G62720.1	ATXT1; UDP-xylosyltransferase/ transferase/ transferase, transferring glycosyl groups
A_84_P13202	1.432225	AT2G17040.1	ANAC036 (Arabidopsis NAC domain containing protein 36); transcription factor
A_84_P268870	1.432985	AT2G35710.1	glycogenin glucosyltransferase (glycogenin)-related
A_84_P23654	1.434812	AT1G52000.1	jacalin lectin family protein
A_84_P767643	1.435441	AT5G28176.1	transposable element gene
A_84_P22522	1.439217	AT5G39020.1	protein kinase family protein
A_84_P22256	1.441242	AT3G58990.1	aconitase C-terminal domain-containing protein

A_84_P575998	1.441678	AT4G14365.1	zinc finger (C3HC4-type RING finger) family protein / ankyrin repeat family protein
A_84_P750195	1.442002	AT1G73550.1	lipid binding
A_84_P547046	1.442314	AT5G41315.1	GL3 (GLABRA 3); transcription factor
A_84_P852482	1.444655	AT3G05660.1	kinase/ protein binding
A_84_P21194	1.445339	AT3G23240.1	ATERF1/ERF1 (ETHYLENE RESPONSE FACTOR 1)
A_84_P852060	1.445392	AT1G19770.1	ATPUP14 (Arabidopsis thaliana purine permease 14); purine transmembrane transporter
A_84_P23342	1.446501	AT4G34950.1	nodulin family protein
A_84_P732491	1.448148	AT5G03995.1	unknown protein
A_84_P292144	1.454955	AT3G23550.1	MATE efflux family protein
A_84_P174931	1.455741	AT5G22940.1	exostosin family protein
A_84_P23439	1.455962	AT5G23350.1	GRAM domain-containing protein / ABA-responsive protein-related
A_84_P151158	1.457527	AT5G56550.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G26288.1)
A_84_P22089	1.458332	AT3G02310.1	SEP2 (SEPALLATA2); DNA binding / transcription factor
A_84_P224809	1.460357	AT2G38790.1	unknown protein
A_84_P10831	1.462118	AT3G25600.1	calmodulin, putative
A_84_P185924	1.462231	AT5G19340.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G05980.1)
A_84_P563858	1.466002	AT4G38340.1	RWP-RK domain-containing protein
A_84_P15762	1.466974	AT4G31910.1	transferase family protein
A_84_P813219	1.467391	AT3G54810.1	BME3/BME3-ZF (BLUE MICROPYLAR END3); transcription factor
A_84_P17607	1.469429	AT4G21380.1	ARK3 (Arabidopsis Receptor Kinase 3); kinase
A_84_P24042	1.47133	AT3G26210.1	CYP71B23 (cytochrome P450, family 71, subfamily B, polypeptide 23); oxygen binding
A_84_P10209	1.473205	AT5G25930.1	leucine-rich repeat family protein / protein kinase family protein
A_84_P296824	1.48119	AT3G15450.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G27450.1)
A_84_P93089	1.481777	AT1G13650.1	similar to 18S pre-ribosomal assembly protein gar2-related [Arabidopsis thaliana]
A_84_P14202	1.482282	AT1G60540.1	pseudogene of the dynamin family
A_84_P20714	1.483917	AT5G61440.1	thioredoxin family protein
A_84_P17683	1.484073	AT4G39580.1	kelch repeat-containing F-box family protein
A_84_P755231	1.48782	AT2G14270.1	pseudogene, protein phosphatase 2C
A_84_P15831	1.491257	AT5G07000.1	sulfotransferase family protein
A_84_P229609	1.493723	AT4G01950.1	ATGPAT3/GPAT3 (GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE 3); acyltransferase
A_84_P824563	1.49622	AT4G12030.1	bile acid:sodium symporter family protein
A_84_P824370	1.499437	AT5G59080.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G02020.1)

A_84_P15864	1.50332	AT5G18470.1	curculin-like (mannose-binding) lectin family protein
A_84_P18907	1.505637	AT1G02360.1	chitinase, putative
A_84_P96816	1.507639	AT4G25760.1	ATGDU2 (ARABIDOPSIS THALIANA GLUTAMINE DUMPER 2)
A_84_P57140	1.507698	AT4G02540.1	DC1 domain-containing protein
A_84_P765683	1.510439	AT4G23215.1	pseudogene of cysteine-rich receptor-like protein kinase family protein
A_84_P768732	1.511531	AT5G60022.1	other RNA
A_84_P11538	1.513243	AT1G31490.1	transferase family protein
A_84_P17866	1.514144	AT1G01680.1	U-box domain-containing protein
A_84_P175171	1.519813	AT5G51550.1	phosphate-responsive 1 family protein
A_84_P19584	1.525793	AT4G15975.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P13216	1.53051	AT1G20510.1	OPCL1 (OPC-8:0 COA LIGASE1); 4-coumarate-CoA ligase
A_84_P762464	1.531467	AT3G25795.1	other RNA
A_84_P584025	1.531704	AT4G08555.1	unknown protein
A_84_P768781	1.533677	AT5G44568.1	unknown protein
A_84_P803551	1.534906	AT5G54160.1	ATOMT1 (O-METHYLTRANSFERASE 1)
A_84_P810288	1.536587	AT3G56880.1	VQ motif-containing protein
A_84_P97436	1.543627	AT5G63480.1	similar to unknown [Populus trichocarpa] (GB:ABK95190.1)
A_84_P17045	1.544024	AT1G08630.1	THA1 (THREONINE ALDOLASE 1); aldehyde-lyase/ threonine aldolase
A_84_P54170	1.545117	AT3G57450.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO40798.1)
A_84_P11530	1.546707	AT1G78370.1	ATGSTU20 (Arabidopsis thaliana Glutathione S-transferase (class tau) 20)
A_84_P12570	1.547717	AT2G28120.1	nodulin family protein
A_84_P21212	1.547746	AT3G16530.1	legume lectin family protein
A_84_P117852	1.547875	AT1G02380.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G01960.1)
A_84_P118462	1.551971	AT2G28400.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G60680.1)
A_84_P22412	1.552459	AT4G39410.1	WRKY13 (WRKY DNA-binding protein 13); transcription factor
A_84_P23696	1.555541	AT1G60390.1	BURP domain-containing protein / polygalacturonase, putative
A_84_P16124	1.556236	AT1G03300.1	agenet domain-containing protein
A_84_P12128	1.557288	AT5G41160.1	ATPUP12 (Arabidopsis thaliana purine permease 12); purine transmembrane transporter
A_84_P503731	1.557487	AT1G54575.1	unknown protein
A_84_P11918	1.563151	AT4G13410.1	ATCSLA15 (Cellulose synthase-like A15); transferase, transferring glycosyl groups
A_84_P52560	1.566782	AT3G13000.1	transcription factor
A_84_P755281	1.569883	AT2G05050.1	pseudogene, protein phosphatase 2C
A_84_P245475	1.570594	AT2G25460.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G04860.1)
A_84_P761348	1.571639	AT3G57930.2	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G42190.1)
A_84_P214238	1.571928	AT3G14550.1	GGPS3 (GERANYLGERANYL PYROPHOSPHATE SYNTHASE 3);

A_84_P13113	1.573378	AT5G52050.1	farnesyltranstransferase
A_84_P516715	1.577223	AT5G15430.1	MATE efflux protein-related
A_84_P149248	1.577231	AT1G21120.1	calmodulin-binding protein-related
A_84_P186444	1.584143	AT1G63260.1	O-methyltransferase, putative
A_84_P13338	1.588411	AT1G18710.1	TET10 (TETRASPANIN10)
A_84_P12619	1.597605	AT1G44800.1	AtMYB47 (myb domain protein 47); DNA binding / transcription factor
A_84_P756195	1.597658	AT2G04070.1	nodulin MtN21 family protein [AT1G44800.1]
A_84_P17556	1.599102	AT4G02130.1	transporter
			GATL6/LGT10; polygalacturonate 4-alpha-galacturonosyltransferase/transferase
A_84_P785505	1.601048	AT2G23810.1	TET8 (TETRASPANIN8)
A_84_P141359	1.604549	AT2G24550.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G31510.1)
A_84_P10724	1.60513	AT2G30020.1	protein phosphatase 2C, putative / PP2C, putative
A_84_P179084	1.60613	AT5G35735.1	auxin-responsive family protein
A_84_P10439	1.60807	AT1G09080.1	BIP3; ATP binding
A_84_P14882	1.60843	AT1G06620.1	2-oxoglutarate-dependent dioxygenase, putative
A_84_P857687	1.608901	AT1G73500.1	ATMKK9 (Arabidopsis thaliana MAP kinase kinase 9); kinase
A_84_P11191	1.611294	AT5G43620.1	S-locus protein-related
A_84_P763252	1.618607	AT4G21366.1	S-locus protein kinase-related
A_84_P23100	1.619066	AT3G15570.1	phototropic-responsive NPH3 family protein
A_84_P20921	1.619741	AT1G77520.1	O-methyltransferase family 2 protein
A_84_P812444	1.620196	AT2G25450.1	2-oxoglutarate-dependent dioxygenase, putative
A_84_P214628	1.621852	AT5G52900.1	similar to unnamed protein product [Vitis vinifera] (GB:CAO49548.1)
A_84_P790566	1.622561	AT1G69900.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G27100.1)PR008999)
A_84_P19619	1.63562	AT5G07700.1	MYB76 (myb domain protein 76); DNA binding / transcription factor
A_84_P247225	1.636348	AT1G01130.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G47170.1)
A_84_P16846	1.63661	AT5G38900.1	DSBA oxidoreductase family protein [AT5G38900.1]
A_84_P19074	1.644172	AT1G18570.1	MYB51 (MYB DOMAIN PROTEIN 51); DNA binding / transcription factor
A_84_P132645	1.646774	AT2G20670.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT4G32480.1)
A_84_P819483	1.649904	AT1G72920.1	disease resistance protein (TIR-NBS class), putative [AT1G72920.1]
A_84_P13706	1.654518	AT3G50140.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G50130.1)
A_84_P22489	1.656172	AT5G22250.1	CCR4-NOT transcription complex protein, putative
A_84_P18737	1.660001	AT5G38710.1	proline oxidase, putative / osmotic stress-responsive proline dehydrogenase, putative
A_84_P15371	1.663116	AT2G23290.1	AtMYB70 (myb domain protein 70); DNA binding / transcription factor

A_84_P758173	1.668362	AT2G30368.1	unknown protein
A_84_P13462	1.669497	AT2G33580.1	protein kinase family protein / peptidoglycan-binding LysM domain-containing protein
A_84_P12056	1.670342	AT5G08030.1	glycerophosphoryl diester phosphodiesterase family protein
A_84_P124801	1.67178	AT1G66180.1	aspartyl protease family protein
A_84_P103346	1.67269	AT1G74940.1	senescence-associated protein-related
A_84_P18763	1.680491	AT5G45820.1	CIPK20 (CBL-INTERACTING PROTEIN KINASE 20); kinase
A_84_P16894	1.683567	AT5G51910.1	TCP family transcription factor, putative
A_84_P16037	1.684535	AT1G56650.1	PAP1 (PRODUCTION OF ANTHOCYANIN PIGMENT 1); DNA binding / transcription factor
A_84_P11239	1.685865	AT5G56840.1	DNA-binding family protein
A_84_P827013	1.686929	AT2G02950.1	PKS1 (PHYTOCHROME KINASE SUBSTRATE 1)
A_84_P210768	1.686954	AT5G19230.1	Identical to Uncharacterized GPI-anchored protein At5g19230 precursor
A_84_P597566	1.687744	AT5G24030.1	SLAH3 (SLAC1 HOMOLOGUE 3); transporter
A_84_P555790	1.688685	AT5G48657.2	defense protein-related
A_84_P16173	1.68957	AT1G28480.1	GRX480; thiol-disulfide exchange intermediate
A_84_P237883	1.691731	AT5G14200.1	3-isopropylmalate dehydrogenase, chloroplast, putative
A_84_P18510	1.693226	AT4G04490.1	protein kinase family protein
A_84_P135175	1.693853	AT5G52750.1	heavy-metal-associated domain-containing protein
A_84_P19568	1.694432	AT4G38000.1	Dof-type zinc finger domain-containing protein
A_84_P571306	1.694495	AT2G38500.1	similar to DTA4 (DOWNSTREAM TARGET OF AGL15-4) [Arabidopsis thaliana] (TAIR:AT1G79760.1)
A_84_P15224	1.695857	AT1G16130.1	WAKL2 (WALL ASSOCIATED KINASE-LIKE 2); kinase
A_84_P13900	1.696368	AT4G39510.1	CYP96A12 (cytochrome P450, family 96, subfamily A, polypeptide 12)
A_84_P16568	1.701985	AT3G55840.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G40000.1)
A_84_P153638	1.705439	AT3G59940.1	kelch repeat-containing F-box family protein
A_84_P223359	1.706285	AT1G54000.1	myrosinase-associated protein, putative
A_84_P762419	1.712443	AT3G15518.1	similar to hypothetical protein [Nicotiana benthamiana] (GB:BAF02554.1)
A_84_P12794	1.715411	AT3G57460.1	catalytic/ metal ion binding / metalloendopeptidase/ zinc ion binding
A_84_P19082	1.716689	AT1G22190.1	AP2 domain-containing transcription factor, putative
A_84_P250315	1.724944	AT2G18660.1	EXLB3 (EXPANSIN-LIKE B3 PRECURSOR)
A_84_P15741	1.734	AT4G27280.1	calcium-binding EF hand family protein
A_84_P196694	1.734354	AT5G44430.1	PDF1.2c (plant defensin 1.2c)
A_84_P511815	1.7354	AT2G18193.1	AAA-type ATPase family protein
A_84_P19365	1.736918	AT3G46600.1	scarecrow transcription factor family protein
A_84_P23404	1.738862	AT5G07990.1	TT7 (TRANSPARENT TESTA 7); flavonoid 3'-monooxygenase/ oxygen binding

A_84_P868627	1.73942	AT1G52400.1	BGL1 (BETA-GLUCOSIDASE HOMOLOG 1); hydrolase, hydrolyzing O-glycosyl compounds
A_84_P90919	1.741701	AT3G61950.1	basic helix-loop-helix (bHLH) family protein
A_84_P19750	1.74196	AT5G57320.1	villin, putative
A_84_P578094	1.74228	AT3G23260.1	F-box family protein
A_84_P14710	1.743067	AT3G56710.1	SIB1 (SIGMA FACTOR BINDING PROTEIN 1); binding
A_84_P248365	1.745902	AT4G37240.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G23690.1)
A_84_P239215	1.752199	AT2G26010.1	PDF1.3 (plant defensin 1.3) [AT2G26010.1]
A_84_P13987	1.752421	AT5G25190.1	ethylene-responsive element-binding protein, putative
A_84_P13913	1.752625	AT1G19380.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G65650.1)
A_84_P800917	1.760023	AT2G17230.1	phosphate-responsive 1 family protein
A_84_P16877	1.768399	AT5G47240.1	ATNUDT8 (Arabidopsis thaliana Nudix hydrolase homolog 8); hydrolase
A_84_P18859	1.769277	AT5G28630.1	glycine-rich protein
A_84_P11362	1.775511	AT1G24530.1	transducin family protein / WD-40 repeat family protein
A_84_P11058	1.776629	AT4G37900.1	glycine-rich protein
A_84_P724318	1.776999	AT5G06865.2	other RNA
A_84_P19131	1.779873	AT2G23910.1	cinnamoyl-CoA reductase-related
A_84_P17597	1.784301	AT4G18880.1	AT-HSFA4A (Arabidopsis thaliana heat shock transcription factor A4A)
A_84_P869273	1.788268	AT3G44260.1	CCR4-NOT transcription complex protein, putative [AT3G44260.1]
A_84_P596516	1.788634	AT4G14450.1	Identical to Uncharacterized protein At4g14450, chloroplast precursor
A_84_P13831	1.794038	AT4G23150.1	protein kinase family protein
A_84_P19944	1.795101	AT1G72910.1	disease resistance protein (TIR-NBS class), putative
A_84_P206058	1.795532	AT4G37290.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G23270.1)
A_84_P606916	1.797042	AT2G30890.1	membrane protein, putative
A_84_P203538	1.797872	AT2G15090.1	fatty acid elongase, putative
A_84_P268090	1.80712	AT2G01300.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G15010.1)
A_84_P137619	1.80747	AT5G54490.1	PBP1 (PINOID-BINDING PROTEIN 1); calcium ion binding
A_84_P22675	1.81061	AT1G30760.1	FAD-binding domain-containing protein
A_84_P611298	1.812439	AT2G04515.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G04495.1)
A_84_P78199	1.813978	AT5G25240.1	similar to NHL repeat-containing protein [Arabidopsis thaliana] (TAIR:AT5G14890.1)
A_84_P242895	1.822521	AT1G66160.1	U-box domain-containing protein
A_84_P609548	1.82335	AT2G25200.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G11000.1)
A_84_P15883	1.823402	AT5G26920.1	calmodulin binding [AT5G26920.1]
A_84_P16913	1.824531	AT5G57550.1	XTR3 (XYLOGLUCAN ENDOTRANSGLYCOSYLASE 3); hydrolase, acting on glycosyl bonds
A_84_P10528	1.825586	AT1G51800.1	leucine-rich repeat protein kinase, putative

A_84_P11957	1.830358	AT4G26540.1	protein kinase family protein
A_84_P310613	1.831117	AT2G26020.1	PDF1.2b (plant defensin 1.2b)
A_84_P172941	1.832161	AT2G18690.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G18680.1)
A_84_P10925	1.832224	AT3G62950.1	glutaredoxin family protein
A_84_P20210	1.833894	AT3G03190.1	ATGSTF11 (GLUTATHIONE S-TRANSFERASE F11); glutathione transferase
A_84_P22597	1.837597	AT5G59550.1	zinc finger (C3HC4-type RING finger) family protein
A_84_P188254	1.838301	AT4G23140.1	CRK6 (CYSTEINE-RICH RLK 6); kinase
A_84_P18312	1.839812	AT3G02020.1	aspartate kinase, lysine-sensitive, putative
A_84_P818437	1.841716	AT5G42380.1	CML37/CML39; calcium ion binding
A_84_P219668	1.844571	AT3G04640.1	glycine-rich protein
A_84_P103716	1.84727	AT5G03350.1	legume lectin family protein
A_84_P279580	1.851962	AT3G50800.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G66580.1)
A_84_P137009	1.85395	AT5G44420.1	PDF1.2 (Low-molecular-weight cysteine-rich 77)
A_84_P789698	1.855756	AT1G72416.1	heat shock protein binding
A_84_P765839	1.864768	AT4G38825.1	similar to auxin-responsive protein, putative [Arabidopsis thaliana] (TAIR:AT5G18030.1)
A_84_P15868	1.865853	AT5G22380.1	ANAC090 (Arabidopsis NAC domain containing protein 90); transcription factor
A_84_P110392	1.866931	AT5G55450.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P138279	1.868826	AT1G58420.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G10140.1)
A_84_P18198	1.869673	AT2G16660.1	nodulin family protein [AT2G16660.1]
A_84_P294704	1.870155	AT1G54010.1	myrosinase-associated protein, putative
A_84_P311633	1.87505	AT5G11070.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G35090.1)
A_84_P15376	1.875712	AT2G43000.1	ANAC042 (Arabidopsis NAC domain containing protein 42); transcription factor
A_84_P14602	1.879197	AT1G59590.1	ZCF37
A_84_P860645	1.885711	AT4G14370.1	disease resistance protein (TIR-NBS-LRR class), putative
A_84_P787864	1.888598	AT3G48640.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G66670.2)
A_84_P23270	1.893874	AT4G18250.1	receptor serine/threonine kinase, putative
A_84_P59930	1.895763	AT1G15150.1	MATE efflux family protein
A_84_P242975	1.906282	AT1G78410.1	VQ motif-containing protein
A_84_P87559	1.920268	AT1G66500.1	zinc finger (C2H2-type) family protein
A_84_P12444	1.922078	AT1G71030.1	ATMYBL2 (Arabidopsis myb-like 2); DNA binding / transcription factor
A_84_P21959	1.930591	AT2G21550.1	bifunctional dihydrofolate reductase-thymidylate synthase, putative / DHFR-TS, putative
A_84_P10151	1.931044	AT5G04530.1	beta-ketoacyl-CoA synthase family protein



A_84_P136725	1.932609	AT5G36920.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G36925.1)
A_84_P23963	1.934079	AT2G30040.1	MAPKKK14 (Mitogen-activated protein kinase kinase kinase 14)
A_84_P799394	1.934094	AT3G19680.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G50040.1)
A_84_P11135	1.936796	AT5G17700.1	MATE efflux family protein
A_84_P14864	1.940925	AT4G37260.1	AtMYB73/MYB73 (myb domain protein 73)
A_84_P231939	1.942636	AT1G61800.1	GPT2 (glucose-6-phosphate/phosphate translocator 2)
A_84_P146938	1.948567	AT1G02450.1	NIMIN-1/NIMIN1; protein binding
A_84_P16475	1.949289	AT3G26290.1	CYP71B26 (cytochrome P450, family 71, subfamily B, polypeptide 26); oxygen binding
A_84_P784686	1.951712	AT5G23010.1	MAM1 (2-isopropylmalate synthase 3); 2-isopropylmalate synthase
A_84_P14954	1.953957	AT1G73600.1	phosphoethanolamine N-methyltransferase
A_84_P13733	1.955104	AT3G55980.1	zinc finger (CCCH-type) family protein
A_84_P21007	1.957317	AT2G43570.1	chitinase, putative
A_84_P573393	1.960385	AT4G27654.1	unknown protein
A_84_P16247	1.963718	AT1G12610.1	DDF1 (DWARF AND DELAYED FLOWERING 1); DNA binding / transcription factor
A_84_P193424	1.976771	AT1G19180.1	JAZ1/TIFY10A (JASMONATE-ZIM-DOMAIN PROTEIN 1); protein binding
A_84_P22017	1.977014	AT2G28790.1	osmotin-like protein, putative
A_84_P186924	1.982606	AT1G65790.1	ARK1 (A. THALIANA RECEPTOR KINASE I); kinase
A_84_P606215	1.989636	AT3G50470.1	HR3 (HOMOLOG OF RPW8 3)
A_84_P97476	1.995244	AT5G24780.1	VSP1 (VEGETATIVE STORAGE PROTEIN 1); acid phosphatase
A_84_P14423	1.997156	AT2G43100.1	aconitase C-terminal domain-containing protein
A_84_P287800	1.997518	AT2G44130.1	kelch repeat-containing F-box family protein
A_84_P12564	1.998271	AT2G44500.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G07900.1)
A_84_P533868	2.001669	AT1G49000.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G18560.1)
A_84_P98796	2.005239	AT2G46330.1	AGP16 (ARABINO GALACTAN PROTEIN 16)
A_84_P22673	2.017921	AT2G40435.1	transcription regulator
A_84_P90469	2.017951	AT1G16410.1	CYP79F1 (SUPERSHOOT 1)
A_84_P22782	2.022638	AT1G72950.1	disease resistance protein (TIR-NBS class), putative
A_84_P17158	2.025354	AT1G74490.1	protein kinase, putative
A_84_P22691	2.029295	AT1G33770.1	protein kinase family protein
A_84_P828978	2.036866	AT3G45960.2	ATEXLA3 (ARABIDOPSIS THALIANA EXPANSIN-LIKE A3)
A_84_P15635	2.038529	AT3G59080.1	aspartyl protease family protein
A_84_P13130	2.039347	AT5G57220.1	CYP81F2 (cytochrome P450, family 81, subfamily F, polypeptide 2); oxygen binding
A_84_P68194	2.050077	AT5G46710.1	zinc-binding family protein

A_84_P763290	2.050138	AT4G23810.1	WRKY53 (WRKY DNA-binding protein 53)
A_84_P20180	2.051508	AT2G32030.1	GCN5-related N-acetyltransferase (GNAT) family protein
A_84_P24106	2.054772	AT3G49380.1	IQD15 (IQ-domain 15); calmodulin binding
A_84_P21229	2.054776	AT3G21420.1	oxidoreductase, 2OG-Fe(II) oxygenase family protein
A_84_P20470	2.060411	AT1G21910.1	AP2 domain-containing transcription factor family protein
A_84_P20535	2.075172	AT4G17500.1	ATERF-1 (ETHYLENE RESPONSIVE ELEMENT BINDING FACTOR 1)
A_84_P15624	2.083783	AT3G56220.1	transcription regulator
A_84_P17200	2.086029	AT1G16110.1	WAKL6 (WALL ASSOCIATED KINASE-LIKE 6)
A_84_P16735	2.098999	AT4G39070.1	zinc finger (B-box type) family protein
A_84_P113182	2.103191	AT4G39670.1	glycolipid binding / glycolipid transporter
A_84_P595614	2.103629	AT4G14390.1	ankyrin repeat family protein
A_84_P280220	2.112713	AT2G32210.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G32190.1)
A_84_P140849	2.113262	AT1G32920.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G32928.1)
A_84_P22140	2.12183	AT3G23250.1	AtMYB15/AtY19/MYB15 (myb domain protein 15); DNA binding / transcription factor
A_84_P110902	2.125362	AT5G60680.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G45210.1)
A_84_P65864	2.130505	AT1G18740.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G74450.1)
A_84_P14985	2.130739	AT5G47220.1	ATERF-2/ATERF2/ERF2 (ETHYLENE RESPONSE FACTOR 2)
A_84_P68884	2.134681	AT4G21840.1	methionine sulfoxide reductase domain-containing protein / SelR domain-containing protein
A_84_P12970	2.136333	AT4G17660.1	protein kinase, putative
A_84_P820417	2.137798	AT4G17490.1	ATERF6 (ETHYLENE RESPONSIVE ELEMENT BINDING FACTOR 6); DNA binding / transcription factor
A_84_P558829	2.142996	AT2G29350.2	SAG13 (Senescence-associated gene 13); oxidoreductase
A_84_P16551	2.150633	AT3G52400.1	SYPI22 (syntaxin 122); SNAP receptor
A_84_P18040	2.150881	AT1G11600.1	CYP77B1 (cytochrome P450, family 77, subfamily B, polypeptide 1); oxygen binding
A_84_P108832	2.155385	AT3G06070.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G19190.1)
A_84_P785932	2.158657	AT1G25400.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G68440.1)
A_84_P208818	2.168032	AT1G53180.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G15115.1)
A_84_P602187	2.172813	AT1G05575.1	unknown protein
A_84_P92059	2.173201	AT5G67480.1	BT4 (BTB AND TAZ DOMAIN PROTEIN 4); protein binding / transcription regulator
A_84_P525034	2.181014	AT1G62975.1	basic helix-loop-helix (bHLH) family protein (bHLH125)
A_84_P753779	2.184506	AT1G61795.1	similar to RIC10 (ROP-INTERACTIVE CRIB MOTIF-CONTAINING PROTEIN 10)
A_84_P806985	2.193118	AT3G45970.1	ATEXLA1 (ARABIDOPSIS THALIANA EXPANSIN-LIKE A1)

A_84_P788026	2.195382	AT2G45480.1	AtGRF9 (GROWTH-REGULATING FACTOR 9)
A_84_P522306	2.202943	AT1G27820.1	CCR4-NOT transcription complex protein, putative
A_84_P290004	2.21431	AT4G21850.1	methionine sulfoxide reductase domain-containing protein / SeIR domain-containing protein
A_84_P22787	2.216765	AT1G02920.1	ATGSTF7 (GLUTATHIONE S-TRANSFERASE 11); glutathione transferase
A_84_P826034	2.219148	AT3G52450.1	U-box domain-containing protein
A_84_P23142	2.223119	AT3G45260.1	zinc finger (C2H2 type) family protein
A_84_P851624	2.228892	AT4G11320.1	cysteine proteinase, putative
A_84_P16574	2.244149	AT3G57260.1	BGL2 (PATHOGENESIS-RELATED PROTEIN 2)
A_84_P15628	2.253208	AT3G57240.1	BG3 (BETA-1,3-GLUCANASE 3); hydrolase, hydrolyzing O-glycosyl compounds
A_84_P11260	2.255993	AT5G61610.1	glycine-rich protein / oleosin
A_84_P11903	2.265142	AT1G06160.1	ethylene-responsive factor, putative
A_84_P17435	2.269613	AT3G19710.1	BCAT4 (BRANCHED-CHAIN AMINOTRANSFERASE4); catalytic/methionine-oxo-acid transaminase
A_84_P306860	2.270527	AT5G10695.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT5G57123.1)
A_84_P576883	2.278191	AT4G11000.1	ankyrin repeat family protein
A_84_P17582	2.286739	AT4G11280.1	ACS6 (1-AMINOCYCLOPROPANE-1-CARBOXYLIC ACID (ACC) SYNTHASE 6)
A_84_P289964	2.31706	AT1G19020.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G48180.1)
A_84_P595350	2.317674	AT2G32100.1	ATOFP16/OFP16 (Arabidopsis thaliana ovate family protein 16) [
A_84_P16437	2.33633	AT3G09870.1	auxin-responsive family protein
A_84_P296724	2.337578	AT5G51190.1	AP2 domain-containing transcription factor, putative
A_84_P162983	2.339678	AT2G43010.1	PIF4 (PHYTOCHROME INTERACTING FACTOR 4)
A_84_P584450	2.353725	AT1G27890.1	CCR4-NOT transcription complex protein, putative
A_84_P15156	2.356978	AT1G61470.1	CCR4-NOT transcription complex protein, putative
A_84_P542893	2.357788	AT2G30230.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G06980.1)
A_84_P500133	2.370717	AT1G42980.1	formin homology 2 domain-containing protein / FH2 domain-containing protein
A_84_P19362	2.376273	AT3G46090.1	ZAT7; nucleic acid binding / transcription factor/ zinc ion binding
A_84_P15691	2.386053	AT4G11460.1	protein kinase family protein
A_84_P16799	2.392547	AT1G18300.1	ATNUDT4 (Arabidopsis thaliana Nudix hydrolase homolog 4); hydrolase
A_84_P20325	2.425035	AT3G50060.1	MYB77; DNA binding / transcription factor
A_84_P812454	2.430124	AT1G02930.1	ATGSTF6 (EARLY RESPONSIVE TO DEHYDRATION 11); glutathione transferase
A_84_P21423	2.433149	AT4G28680.1	tyrosine decarboxylase, putative

A_84_P171073	2.437753	AT1G35210.1	similar to unknown protein [Arabidopsis thaliana]
A_84_P823733	2.442802	AT3G28340.1	GATL10 (Galacturonosyltransferase-like 10)
A_84_P246705	2.453548	AT3G53980.1	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P21874	2.457069	AT1G27730.1	STZ (SALT TOLERANCE ZINC FINGER)
A_84_P19294	2.47744	AT1G26380.1	FAD-binding domain-containing protein
A_84_P21458	2.484427	AT4G37610.1	BT5 (BTB and TAZ domain protein 5); protein binding / transcription regulator
A_84_P10906	2.486049	AT3G58120.1	bZIP transcription factor family protein
A_84_P17343	2.486081	AT2G44840.1	ATERF13/EREBP (ETHYLENE-RESPONSIVE ELEMENT BINDING FACTOR 13)
A_84_P18029	2.50607	AT1G10550.1	XTH33 (xyloglucan:xyloglucosyl transferase 33); hydrolase, acting on glycosyl bonds
A_84_P13393	2.507669	AT1G66090.1	disease resistance protein (TIR-NBS class), putative
A_84_P23779	2.510022	AT1G68520.1	zinc finger (B-box type) family protein
A_84_P21946	2.510692	AT1G73540.1	ATNUDT21 (Arabidopsis thaliana Nudix hydrolase homolog 21); hydrolase
A_84_P286390	2.517204	AT3G25780.1	AOC3 (ALLENE OXIDE CYCLASE 3)
A_84_P612355	2.518229	AT3G13600.1	calmodulin-binding family protein
A_84_P21265	2.520662	AT3G48700.1	ATCXE13; hydrolase
A_84_P22607	2.526904	AT5G61600.1	ethylene-responsive element-binding family protein
A_84_P19456	2.530681	AT4G04500.1	protein kinase family protein
A_84_P18522	2.546749	AT4G09820.1	TT8 (TRANSPARENT TESTA 8); DNA binding / transcription factor
A_84_P14560	2.552286	AT3G26830.1	PAD3 (PHYTOALEXIN DEFICIENT 3); oxygen binding
A_84_P307510	2.552661	AT4G08040.1	ACS11 (1-Amino-cyclopropane-1-carboxylate synthase 11)
A_84_P225559	2.553282	AT5G64810.1	WRKY51 (WRKY DNA-binding protein 51); transcription factor
A_84_P611334	2.558612	AT2G22880.1	VQ motif-containing protein
A_84_P821416	2.566483	AT1G68840.1	RAV2 (REGULATOR OF THE ATPASE OF THE VACUOLAR MEMBRANE)
A_84_P15388	2.571774	AT2G29300.1	tropinone reductase, putative / tropine dehydrogenase, putative
A_84_P18416	2.580279	AT3G46080.1	zinc finger (C2H2 type) family protein
A_84_P592168	2.58546	AT5G05300.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G10930.1)
A_84_P12851	2.596052	AT4G10500.1	oxidoreductase, 2OG-Fe(II) oxygenase family protein
A_84_P512655	2.60004	AT1G77640.1	AP2 domain-containing transcription factor, putative
A_84_P131376	2.626358	AT5G19190.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G06070.1)
A_84_P17650	2.637976	AT4G31020.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G24320.1)
A_84_P18566	2.643795	AT4G24570.1	mitochondrial substrate carrier family protein
A_84_P66214	2.647632	AT3G02840.1	immediate-early fungal elicitor family protein
A_84_P21931	2.655095	AT1G28370.1	ATERF11/ERF11 (ERF domain protein 11)

A_84_P10518	2.656255	AT1G50040.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G19680.1)
A_84_P16923	2.675428	AT5G59820.1	RHL41 (RESPONSIVE TO HIGH LIGHT 41)
A_84_P15734	2.675753	AT4G25810.1	XTR6 (XYLOGLUCAN ENDOTRANSGLYCOSYLASE 6); hydrolase, acting on glycosyl bonds
A_84_P11360	2.69681	AT1G52040.1	MBP1 (MYROSINASE-BINDING PROTEIN 1) [AT1G52040.1]
A_84_P810559	2.71723	AT2G40000.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT3G55840.1)
A_84_P610481	2.71762	AT2G34600.1	JAZ7/TIFY5B (JASMONATE-ZIM-DOMAIN PROTEIN 7)
A_84_P24081	2.727848	AT1G02800.1	ATCEL2 (Arabidopsis thaliana Cellulase 2); hydrolase, hydrolyzing O-glycosyl compounds
A_84_P14331	2.739227	AT1G76650.1	CML38; calcium ion binding
A_84_P831354	2.783521	AT4G17470.1	palmitoyl protein thioesterase family protein
A_84_P811894	2.838198	AT4G08950.1	phosphate-responsive protein, putative (EXO)
A_84_P15931	2.843934	AT5G47230.1	ERF5 (ETHYLENE RESPONSIVE ELEMENT BINDING FACTOR 5)
A_84_P10609	2.882393	AT2G24850.1	TAT3 (TYROSINE AMINOTRANSFERASE 3); transaminase
A_84_P560603	2.954511	AT2G24700.1	transcriptional factor B3 family protein
A_84_P206968	2.972433	AT1G57990.1	ATPUP18 (Arabidopsis thaliana purine permease 18); purine transmembrane transporter
A_84_P576622	2.978411	AT2G32200.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT2G32210.1)
A_84_P217688	2.980451	AT1G76600.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G21010.1)
A_84_P784866	2.992989	AT1G15550.1	GA4 (GA REQUIRING 4); gibberellin 3-beta-dioxygenase
A_84_P19516	2.998845	AT4G25470.1	CBF2 (FREEZING TOLERANCE QTL 4)
A_84_P21341	3.00006	AT4G02330.1	ATPMEPCRB; pectinesterase [AT4G02330.1]
A_84_P50100	3.007904	AT3G55240.1	Overexpression leads to PEL (Pseudo-Etiolation in Light) phenotype.
A_84_P786760	3.027953	AT1G80840.1	WRKY40 (WRKY DNA-binding protein 40); transcription factor
A_84_P156125	3.068035	AT3G61190.1	BAP1 (BON ASSOCIATION PROTEIN 1)
A_84_P831396	3.079057	AT1G20310.1	similar to unknown protein [Arabidopsis thaliana] (TAIR:AT1G76070.1)
A_84_P22843	3.106312	AT1G76790.1	O-methyltransferase family 2 protein
A_84_P13235	3.132449	AT1G13260.1	RAV1 (Related to ABI3/VP1 1); DNA binding / transcription factor
A_84_P11046	3.152803	AT4G34410.1	AP2 domain-containing transcription factor, putative
A_84_P23070	3.159794	AT3G22740.1	HMT3 (Homocysteine S-methyltransferase 3); homocysteine S-methyltransferase
A_84_P13657	3.180254	AT3G29590.1	AT5MAT; O-malonyltransferase/ transferase
A_84_P751510	3.189359	AT1G30390.1	transposable element gene
A_84_P598642	3.19097	AT1G07135.1	glycine-rich protein
A_84_P825767	3.194445	AT1G56240.1	ATPP2-B13 (Phloem protein 2-B13); carbohydrate binding
A_84_P13057	3.224714	AT5G36910.1	THI2.2 (THIONIN 2.2); toxin receptor binding
A_84_P102986	3.276431	AT2G27080.1	harpin-induced protein-related / HIN1-related / harpin-responsive

A_84_P16901	3.303542	AT5G54060.1	protein-related UF3GT (UDP-GLUCOSE:FLAVONOID 3-O-GLUCOSYLTRANSFERASE)
A_84_P12143	3.314709	AT5G45340.1	CYP707A3 (cytochrome P450, family 707, subfamily A, polypeptide 3); oxygen binding
A_84_P196584	3.327337	AT3G48650.1	pseudogene, At14a-related protein, ( <i>Arabidopsis thaliana</i> ) [AT3G48650.1]
A_84_P715787	3.372662	AT1G32928.1	similar to unknown protein [ <i>Arabidopsis thaliana</i> ] (TAIR:AT1G32920.1)
A_84_P23376	3.390786	AT4G36880.1	CP1 (CYSTEINE PROTEINASE1); cysteine-type peptidase
A_84_P23485	3.475109	AT5G43890.1	SUPER1/YUCCA5 (SUPPRESSOR OF ER1); monooxygenase
A_84_P17189	3.500325	AT1G25560.1	AP2 domain-containing transcription factor, putative
A_84_P18388	3.552898	AT3G26330.1	CYP71B37 (cytochrome P450, family 71, subfamily B, polypeptide 37); oxygen binding
A_84_P709533	3.577951	AT4G13395.1	DVL10/RTFL12 (ROTUNDIFOLIA LIKE 12) [AT4G13395.1]
A_84_P595805	3.57825	AT5G36925.1	similar to unknown protein [ <i>Arabidopsis thaliana</i> ] (TAIR:AT5G36920.1)
A_84_P821712	3.588392	AT1G35140.1	PHI-1 (PHOSPHATE-INDUCED 1)
A_84_P97916	3.658493	AT4G29780.1	similar to unknown protein [ <i>Arabidopsis thaliana</i> ] (TAIR:AT5G12010.1)
A_84_P197194	3.725751	AT4G22870.1	leucoanthocyanidin dioxygenase, putative / anthocyanidin synthase, putative
A_84_P105796	3.871735	AT2G06200.1	AtGRF6 (GROWTH-REGULATING FACTOR 6)
A_84_P17859	3.89026	AT5G57560.1	TCH4 (TOUCH 4); hydrolase, acting on glycosyl bonds / xyloglucan:xyloglucosyl transferase
A_84_P539348	3.909664	AT2G25735.1	unknown protein
A_84_P12885	4.081889	AT4G22880.1	LDOX (TANNIN DEFICIENT SEED 4)
A_84_P21661	4.298098	AT5G61590.1	AP2 domain-containing transcription factor family protein
A_84_P19028	4.365328	AT1G74930.1	ORA47; DNA binding / transcription factor
A_84_P17806	4.777354	AT5G42800.1	DFR (DIHYDROFLAVONOL 4-REDUCTASE); dihydrokaempferol 4-reductase
A_84_P534390	5.119865	AT4G37740.1	AtGRF2 (GROWTHREGULATING FACTOR 2)

**Log2 Ratio means 35S-BnGRF2a-2 transgenic line vs WT**

**Table S2. Upregulated genes of 20 d ovules in zy036 compared with 51070.**

ProbeName	GeneName	Log2 ratio	Gene Description
A_84_P10028	At1g17530.1	2.7338	mitochondrial import inner membrane translocase subunit Tim17/Tim22/Tim23 family
A_84_P100516	At4g22990.1	2.725001	SPX (SYG1/Pho81/XPR1) domain-containing protein
A_84_P10055	At4g24240.1	2.812622	WRKY family transcription factor contains Pfam profile
A_84_P10173	At5g10880.1	37.449018	tRNA synthetase-related / tRNA ligase-related
A_84_P10178	At5g12050.1	2.855884	expressed protein
A_84_P10196	At5g22300.1	3.729249	nitrilase 4 (NIT4) identical to SP P46011 Nitrilase 4 (EC 3.5.5.1)
A_84_P10263	At5g48100.1	5.688817	laccase family protein / diphenol oxidase family protein
A_84_P10267	At5g49190.1	5.211319	sucrose synthase / sucrose-UDP glucosyltransferase (SUS2)
A_84_P10294	At5g57210.1	5.000275	microtubule-associated protein-related
A_84_P10321	At5g63380.1	2.536783	4-coumarate--CoA ligase family protein / 4-coumaroyl-CoA synthase family protein
A_84_P103416	At3g21215.1	3.14179	RNA-binding protein, putative contains RNA recognition motif
A_84_P10361	At5g09430.1	7.599952	hydrolase, alpha/beta fold family protein
A_84_P103806	At5g21940.1	3.05733	expressed protein supported by full length cDNA GI:22531282
A_84_P10400	At1g69080.1	3.266962	universal stress protein (USP) family protein
A_84_P10407	At1g23740.1	3.442976	oxidoreductase, zinc-binding dehydrogenase family protein
A_84_P10442	At1g80950.1	2.11123	phospholipid/glycerol acyltransferase family protein
A_84_P10534	At1g12230.1	5.576353	transaldolase
A_84_P106252	At3g50890.1	3.2304	zinc finger homeobox family protein / ZF-HD homeobox family protein
A_84_P10732	At2g33800.1	2.206417	ribosomal protein S5 family protein
A_84_P107652	At2g38120.1	3.019156	amino acid permease, putative (AUX1)
A_84_P10771	At3g06730.1	2.970563	thioredoxin family protein
A_84_P107712	At2g21100.1	4.599985	disease resistance-responsive protein-related / dirigent protein-related
A_84_P10773	At3g22370.1	7.911115	alternative oxidase 1a, mitochondrial (AOX1A)
A_84_P10855	At1g48420.1	2.400702	desulfhydrase family
A_84_P10921	At3g62030.1	2.942136	peptidyl-prolyl cis-trans isomerase
A_84_P10932	At4g00430.1	3.181009	plasma membrane intrinsic protein
A_84_P10969	At4g12390.1	7.600414	invertase/pectin methylesterase inhibitor family protein

A_84_P109812	At5g12900.1	2.417531	expressed protein
A_84_P11008	At4g25750.1	3.345736	ABC transporter family protein
A_84_P11024	At4g29190.1	4.419798	zinc finger (CCCH-type) family protein
A_84_P11040	At4g32880.1	3.69713	homeobox-leucine zipper transcription factor (HB-8)
A_84_P11156	At5g26170.1	14.374659	WRKY family transcription factor DNA-binding protein, WRKY1 Avena sativa
A_84_P11232	At5g54810.1	5.775762	tryptophan synthase, beta subunit 1 (TSB1)
A_84_P11295	At5g19960.1	6.147568	RNA recognition motif (RRM)-containing protein
A_84_P11300	At5g08380.1	4.042514	alpha-galactosidase, putative melibiase,alpha-D-galactoside galactohydrolase
A_84_P11328	At1g20470.1	9.674627	auxin-responsive family protein
A_84_P11343	At1g02260.1	2.860895	transmembrane protein, putative
A_84_P11358	At1g03820.1	2.272383	expressed protein
A_84_P11451	At1g78280.1	4.021656	transcription factor jumonji (jmjC) domain-containing protein
A_84_P11558	At2g21660.1	2.679597	glycine-rich RNA-binding protein (GRP7)
A_84_P11608	At2g29320.1	2.142075	tropinone reductase, putative / tropine dehydrogenase
A_84_P11619	At2g38970.1	2.625036	zinc finger (C3HC4-type RING finger) family protein
A_84_P11652	At1g07520.1	5.582934	scarecrow transcription factor family protein
A_84_P11701	At3g03050.1	2.482194	cellulose synthase family protein (CslD3)
A_84_P11703	At3g04790.1	4.123323	ribose 5-phosphate isomerase-related
A_84_P11709	At3g08590.1	3.67311	2,3-biphosphoglycerate-independent phosphoglycerate mutase
A_84_P11732	At3g23610.1	3.516161	dual specificity protein phosphatase (DsPTP1)
A_84_P11741	At3g25160.1	2.199905	ER lumen protein retaining receptor family protein
A_84_P11751	At3g13810.1	2.747597	zinc finger (C2H2 type) family protein
A_84_P11781	At3g11050.1	8.47371	ferritin, putative
A_84_P117832	At5g52780.1	5.292213	expressed protein
A_84_P11811	At3g48970.1	3.154104	copper-binding family protein
A_84_P11823	At3g51600.1	2.414962	nonspecific lipid transfer protein 5 (LTP5)
A_84_P11842	At3g55740.1	2.456867	proline transporter 2 (ProT2)
A_84_P118932	At1g46264.1	3.014722	heat shock transcription factor family protein
A_84_P11898	At4g08360.1	15.081428	KOW domain-containing protein
A_84_P11966	At4g28520.1	4.584473	12S seed storage protein, putative / cruciferin
A_84_P11994	At4g34980.1	3.087907	subtilase family protein
A_84_P12020	At4g16160.1	2.467279	mitochondrial import inner membrane translocase subunit Tim17/Tim22/Tim23



A_84_P12030	At5g01100.1	3.58726	family
A_84_P12058	At5g08640.1	2.264234	expressed protein similar to axi 1 [ <i>Nicotiana tabacum</i> ] GI:559921
A_84_P12088	At5g22630.1	2.063082	flavonol synthase 1 (FLS1) identical to SP Q96330
A_84_P12093	At5g24090.1	5.591822	prephenate dehydratase family protein
A_84_P12143	At5g45340.1	2.525923	acidic endochitinase (CHIB1)
A_84_P12153	At5g47910.1	5.265487	cytochrome P450 family protein
A_84_P12162	At1g29680.1	10.63241	respiratory burst oxidase protein D (RbohD) / NADPH oxidase
A_84_P12198	At5g60200.1	2.615186	expressed protein
A_84_P12218	At5g64870.1	5.956265	Dof-type zinc finger domain-containing protein
A_84_P12234	At5g16030.1	5.41649	expressed protein
A_84_P12241	At5g20230.1	2.013417	expressed protein
A_84_P12255	At1g28110.1	2.417267	plastocyanin-like domain-containing protein
A_84_P12295	At1g64450.1	2.574526	serine carboxypeptidase S10 family protein
A_84_P123122	At1g58120.1	5.613149	proline-rich family protein contains proline rich extensins
A_84_P12319	At1g80710.1	4.866051	expressed protein
A_84_P12349	At1g54830.1	5.481547	transducin family protein / WD-40 repeat family protein contains 3 WD-40 repeats
A_84_P12420	At1g14730.1	3.223226	CCAAT-box binding transcription factor Hap5a
A_84_P12446	At1g34430.1	2.607396	cytochrome B561 family
A_84_P12451	At1g72100.1	3.577193	dihydrolipoamide S-acetyltransferase
A_84_P12487	At1g14390.1	3.293766	late embryogenesis LEA domain-containing protein
A_84_P12506	At2g31790.1	3.770011	leucine-rich repeat transmembrane protein kinase
A_84_P12517	At2g16950.1	2.40705	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P12548	CHR2:013065966-013065811	2.192464	importin beta-2 subunit family protein
A_84_P12562	At2g02400.1	3.91043	Unknown
A_84_P12668	At3g22790.1	2.640543	cinnamoyl-CoA reductase family
A_84_P12672	At3g15680.1	3.792189	kinase interacting family protein
A_84_P126931	At2g01505.1	2.498767	zinc finger (Ran-binding) family protein
A_84_P12713	At3g19040.1	4.71958	CLE16, putative CLAVATA3/ESR-Related 16 (CLE16)
A_84_P12781	At3g54400.1	3.512736	ubiquitin family protein / DNA-binding bromodomain
A_84_P12815	At3g62760.1	2.612071	aspartyl protease family protein
A_84_P12842	At4g08150.1	3.452384	glutathione S-transferase, putative Glutathione transferase III(b) - <i>Zea mays</i>
			homeobox protein knotted-1 like 1 (KNAT1)

A_84_P12966	At4g16430.1	2.077201	basic helix-loop-helix (bHLH) family protein
A_84_P12971	At4g36420.1	2.343886	ribosomal protein L12 family protein
A_84_P12987	At5g04600.1	2.21091	RNA recognition motif (RRM)-containing protein
A_84_P13014	At5g12110.1	2.767378	elongation factor 1B alpha-subunit 1 (eEF1Balpha1)
A_84_P13019	At5g14220.1	2.381381	protoporphyrinogen oxidase
A_84_P13046	At5g26200.1	4.281696	mitochondrial substrate carrier family protein contains Pfam profile
A_84_P13077	At5g42380.1	9.587546	calmodulin-related protein
A_84_P13078	At5g42650.1	3.416188	allene oxide synthase/ hydroperoxide dehydrase / cytochrome P450 74A (CYP74A)
A_84_P13104	At5g49520.1	6.736729	WRKY family transcription factor
A_84_P13247	At1g62520.1	2.527287	expressed protein
A_84_P13296	At1g65260.1	3.240863	PspA/IM30 family protein contains Pfam PF04012
A_84_P13297	At1g79210.1	2.037224	20S proteasome alpha subunit B
A_84_P13348	At1g80300.1	2.356846	chloroplast ADP, ATP carrier protein 1
A_84_P13372	At1g69840.1	2.741972	band 7 family protein
A_84_P13400	At1g18100.1	10.595503	mother of FT and TF1 protein (MFT)
A_84_P13448	At2g25890.1	2.170593	glycine-rich protein / oleosin
A_84_P13459	At1g64080.1	4.59014	expressed protein
A_84_P13464	At2g20800.1	10.533831	pyridine nucleotide-disulphide oxidoreductase family protein
A_84_P13470	At2g47890.1	6.333374	zinc finger (B-box type) family protein
A_84_P13585	At1g01300.1	2.656881	aspartyl protease family protein
A_84_P13699	At3g48550.1	4.516888	expressed protein putative zinc-finger protein - Arabidopsis thaliana
A_84_P13729	At1g74160.1	2.673831	expressed protein
A_84_P13733	At3g55980.1	3.248403	zinc finger (CCCH-type) family protein
A_84_P13770	At4g01130.1	2.424259	acetyltransferase
A_84_P13829	At4g22590.1	10.318732	trehalose-6-phosphate phosphatase
A_84_P13850	At4g27260.1	7.496023	auxin-responsive GH3 family protein
A_84_P138519	At3g27220.1	2.365602	kelch repeat-containing protein
A_84_P13882	At4g34680.1	3.235422	GATA transcription factor 3, putative (GATA-3)
A_84_P139809	At3g48420.1	3.533157	haloacid dehalogenase-like hydrolase family protein
A_84_P13987	At5g25190.1	12.270094	ethylene-responsive element-binding protein
A_84_P14058	At5g52100.1	9.241757	dihydrodipicolinate reductase family protein

A_84_P14060	At5g52860.1	5.041014	ABC transporter family protein
A_84_P14130	At5g20060.1	2.039058	phospholipase/carboxylesterase family protein
A_84_P14137	At5g13170.1	77.4379	nodulin MtN3 family protein
A_84_P14250	At1g03070.1	11.089436	expressed protein
A_84_P14251	At1g65720.1	2.539594	expressed protein
A_84_P14288	At1g53170.1	2.524199	ethylene-responsive element-binding factor 8 / ERF transcription factor 8 (ERF8)
A_84_P142999	At5g41560.1	2.257972	expressed protein
A_84_P14317	At1g69830.1	2.203901	alpha-amylase, putative / 1,4-alpha-D-glucan glucohydrolase
A_84_P14320	At1g74310.1	11.559649	heat shock protein 101 (HSP101)
A_84_P14331	At1g76650.1	4.030745	calcium-binding EF hand family protein
A_84_P143569	At1g08320.1	2.926415	bZIP family transcription factor contains Pfam profile
A_84_P144309	At3g51100.1	14.1213	expressed protein
A_84_P14448	At2g34790.1	6.13371	FAD-binding domain-containing protein
A_84_P14467	At2g36450.1	6.220557	AP2 domain-containing protein
A_84_P14488	At2g25620.1	4.033379	protein phosphatase 2C, putative / PP2C
A_84_P14510	At2g03090.1	2.257506	expansin, putative (EXP15)
A_84_P14538	At3g04570.1	2.177624	DNA-binding protein-related contains Pfam domain PF03479
A_84_P145439	At2g31865.1	8.754734	poly (ADP-ribose) glycohydrolase (PARG) family protein
A_84_P14585	At3g16800.1	3.124084	protein phosphatase 2C, putative / PP2C
A_84_P14601	At3g21090.1	2.923966	ABC transporter family protein
A_84_P14606	At3g22960.1	4.688758	pyruvate kinase
A_84_P14611	At3g29320.1	3.52471	glucan phosphorylase
A_84_P14620	At3g52310.1	4.775621	ABC transporter family protein
A_84_P146728	At1g73805.1	21.260404	calmodulin-binding protein
A_84_P14703	TC266686	2.565888	00856 domain. [TC266686]
A_84_P14710	At3g56710.1	2.897487	sigA-binding protein
A_84_P14817	At1g27100.1	2.239364	expressed protein
A_84_P14954	At1g73600.1	39.571579	phosphoethanolamine N-methyltransferase 3
A_84_P14985	At5g47220.1	2.761372	ethylene-responsive element-binding factor 2 (ERF2)
A_84_P15019	TC264563	9.858359	Q9FZG6 (Q9FZG6) T2E6.3, complete [TC264563]
A_84_P15047	At5g63410.1	2.880199	leucine-rich repeat transmembrane protein kinase
A_84_P15060	At5g66570.1	2.322625	chloroplast / 33 kDa subunit of oxygen evolving system of photosystem II

A_84_P150708	At1g28400.1	6.537415	expressed protein similar to E6 (GI:1000090) [ <i>Gossypium barbadense</i> ]
A_84_P151538	At1g66570.1	2.970468	sucrose transporter, putative / sucrose-proton symporter
A_84_P15215	At1g73050.1	2.470175	(R)-mandelonitrile lyase, putative / (R)-oxynitrilase
A_84_P15273	At1g68010.1	3.372899	glycerate dehydrogenase / NADH-dependent hydroxypyruvate reductase
A_84_P15278	At1g80640.1	2.386222	protein kinase family protein
A_84_P15323	At1g32240.1	2.442644	myb family transcription factor (KAN2)
A_84_P153815	At5g62170.1	2.840922	expressed protein various predicted proteins, <i>Arabidopsis thaliana</i>
A_84_P15388	At2g29300.1	2.544188	tropinone reductase, putative / tropine dehydrogenase
A_84_P15406	At2g30150.1	3.276796	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P15444	At2g45850.1	2.988196	DNA-binding family protein
A_84_P15451	At1g44760.1	3.170434	universal stress protein (USP) family protein
A_84_P154655	At2g41730.1	6.154193	expressed protein
A_84_P15519	At3g17000.1	2.983021	ubiquitin-conjugating enzyme
A_84_P15522	At3g26730.1	2.177911	zinc finger (C3HC4-type RING finger) family protein
A_84_P15540	At1g12900.1	2.021983	glyceraldehyde 3-phosphate dehydrogenase
A_84_P15653	At3g63470.1	2.636769	serine carboxypeptidase
A_84_P15710	At4g20110.1	2.421245	vacuolar sorting receptor
A_84_P15734	At4g25810.1	3.662312	xyloglucan:xyloglucosyl transferase
A_84_P15737	At4g26370.1	3.572102	antitermination NusB domain-containing protein
A_84_P15738	At4g26590.1	3.092136	oligopeptide transporter OPT family protein
A_84_P15756	At4g30520.1	2.298776	leucine-rich repeat family protein / protein kinase family protein
A_84_P15785	At4g38210.1	2.320681	expansin, putative (EXP20)
A_84_P15846	At5g11250.1	5.324141	disease resistance protein (TIR-NBS-LRR class)
A_84_P15851	At5g12940.1	2.77291	leucine-rich repeat family protein
A_84_P15863	At5g18270.1	4.112869	no apical meristem (NAM) family protein contains Pfam PF02365
A_84_P15872	At1g23440.1	4.359406	pyrrolidone-carboxylate peptidase family protein
A_84_P15892	At5g36160.1	2.514638	aminotransferase-related
A_84_P15960	At5g55370.1	5.192052	long-chain-alcohol O-fatty-acyltransferase family protein
A_84_P15965	At5g56980.1	8.300782	expressed protein non-consensus CG donor splice site at exon 1
A_84_P16004	At5g66170.1	4.02581	senescence-associated family protein contains
A_84_P16079	At1g23790.1	2.228042	expressed protein
A_84_P16116	CHR1:003294182-003294123	2.09719	Unknown

A_84_P161343	At5g01370.1	2.849005	expressed protein
A_84_P16147	At1g20960.1	2.31629	U5 small nuclear ribonucleoprotein helicase
A_84_P16175	At1g32930.1	2.078624	galactosyltransferase family protein
A_84_P16180	At1g11050.1	2.856061	protein kinase family protein contains protein kinase domain
A_84_P16211	At1g74270.1	2.389475	60S ribosomal protein L35a (RPL35aC)
A_84_P16215	At1g52920.1	4.653535	lanthionine synthetase C-like family protein
A_84_P16240	At1g19150.1	3.290142	chlorophyll A-B binding protein
A_84_P162443	At5g64510.1	2.525187	expressed protein
A_84_P16341	At2g31360.1	2.402794	delta 9 desaturase (ADS2)
A_84_P16400	At2g28950.1	3.27357	expansin, putative (EXP6)
A_84_P16420	At3g02000.1	2.999137	glutaredoxin family protein contains INTERPRO Domain IPR002109, Glutaredoxin
A_84_P16444	At3g02630.1	2.938005	acyl-[acyl-carrier-protein] desaturase, putative / stearyl-ACP desaturase
A_84_P16460	At3g21180.1	3.017434	calcium-transporting ATPase, plasma membrane-type, putative / Ca <sup>2+</sup> -ATPase
A_84_P16513	At1g35780.1	2.659554	expressed protein
A_84_P16551	At3g52400.1	10.243018	syntaxin, putative (SYP122)
A_84_P166213	At5g39210.1	3.978786	expressed protein
A_84_P16678	At4g25420.1	6.554698	gibberellin 20-oxidase identical to GI:1109695
A_84_P16774	At5g06140.1	28.994703	phox (PX) domain-containing protein
A_84_P16781	At1g06460.1	3.784902	31.2 kDa small heat shock family protein / hsp20 family protein
A_84_P16803	At5g14700.1	3.395551	cinnamoyl-CoA reductase-related
A_84_P16825	At5g25490.1	4.088744	zinc finger (Ran-binding) family protein contains Pfam domain
A_84_P16852	At5g40390.1	2.071531	raffinose synthase family protein
A_84_P168923	At1g48330.1	11.720738	expressed protein similar to hypothetical protein GI:9294146
A_84_P16923	At5g59820.1	5.938615	zinc finger (C2H2 type) family protein (ZAT12)
A_84_P170033	At1g72820.1	2.290631	mitochondrial substrate carrier family protein
A_84_P17007	At3g14415.1	3.624184	(S)-2-hydroxy-acid oxidase, peroxisomal
A_84_P17009	At1g20823.1	4.057147	zinc finger (C3HC4-type RING finger) family protein
A_84_P17024	At1g23460.1	7.854588	polygalacturonase, putative / pectinase
A_84_P17113	At1g22490.1	7.216124	basic helix-loop-helix (bHLH) family protein
A_84_P17188	At1g20270.1	2.122768	oxidoreductase, 2OG-Fe(II) oxygenase family protein
A_84_P17189	At1g25560.1	2.576295	AP2 domain-containing transcription factor

A_84_P17191	At1g07160.1	2.679823	protein phosphatase 2C, putative / PP2C
A_84_P17195	At1g19990.1	3.528884	expressed protein; expression supported by MPSS [At1g19990.1]
A_84_P17326	At2g38470.1	18.939231	WRKY family transcription factor
A_84_P17343	At2g44840.1	3.035171	ethylene-responsive element-binding protein
A_84_P17348	At2g47000.1	5.307195	multidrug resistant (MDR) ABC transporter
A_84_P17364	At3g09200.1	2.251852	60S acidic ribosomal protein P0 (RPP0B)
A_84_P17392	At3g16720.1	3.196896	zinc finger (C3HC4-type RING finger) family protein
A_84_P17394	At3g14240.1	2.015469	subtilase family protein
A_84_P174131	At5g14730.1	24.253661	expressed protein
A_84_P17453	At3g11180.1	2.810068	oxidoreductase, 2OG-Fe(II) oxygenase family protein
A_84_P17485	At3g49530.1	3.382398	no apical meristem (NAM) family protein
A_84_P17529	At3g59580.1	2.038978	RWP-RK domain-containing protein
A_84_P17537	At3g61680.1	4.018177	lipase class 3 family protein contains Pfam profile PF01764: Lipase
A_84_P17553	At4g01460.1	3.235834	basic helix-loop-helix (bHLH) family protein
A_84_P17618	At4g24160.1	2.534107	hydrolase, alpha/beta fold family protein
A_84_P17650	At4g31020.1	2.564198	expressed protein
A_84_P17665	At4g34730.1	2.443168	ribosome-binding factor A family protein
A_84_P17724	At5g07190.1	5.793447	embryo-specific protein 3
A_84_P17734	At1g31320.1	4.897472	LOB domain protein 4 / lateral organ boundaries domain protein 4 (LBD4)
A_84_P17796	At5g40030.1	2.393171	protein kinase
A_84_P17846	At5g53850.1	5.469849	haloacid dehalogenase-like hydrolase family protein
A_84_P17851	At5g55220.1	2.491262	trigger factor type chaperone family protein
A_84_P17891	At1g51500.1	16.054214	ABC transporter family protein
A_84_P179124	At5g05830.1	3.129197	zinc finger (C3HC4-type RING finger) family protein
A_84_P17953	At1g12420.1	3.374544	ACT domain-containing protein (ACR8)
A_84_P18010	At1g77240.1	3.365427	AMP-binding protein
A_84_P181054	At3g13224.2	3.339818	RNA recognition motif (RRM)-containing protein
A_84_P18113	At1g76640.1	2.457007	calmodulin-related protein
A_84_P18174	At1g63440.1	5.280903	copper-exporting ATPase
A_84_P18192	At2g20750.1	3.610135	beta-expansin, putative (EXPB1)
A_84_P18196	At2g47730.1	2.406535	glutathione S-transferase 6 (GST6)
A_84_P18205	At2g43180.4	19.659584	expressed protein

A_84_P18239	At2g34700.1	4.261323	pollen Ole e 1 allergen and extensin family protein
A_84_P18298	At3g05150.1	2.692295	sugar transporter family protein
A_84_P18335	At3g02480.1	3.295467	ABA-responsive protein-related
A_84_P18376	At3g23730.1	3.276742	xyloglucan:xyloglucosyl transferase
A_84_P18422	At1g48470.1	10.463387	glutamine synthetase
A_84_P184664	At5g26742.1	2.478048	DEAD box RNA helicase (RH3)
A_84_P18549	At4g20370.1	14.717346	twin sister of FT protein (TSF) / TFL1 like protein
A_84_P18581	At4g27730.1	2.444122	oligopeptide transporter OPT family protein
A_84_P18589	At4g29510.1	5.491958	protein arginine N-methyltransferase
A_84_P185924	At5g19340.1	2.46144	expressed protein
A_84_P18598	At4g31540.1	2.408403	exocyst subunit EXO70 family protein tomato leucine zipper-containing protein
A_84_P18610	At4g34520.1	2.761636	fatty acid elongase 1 (FAE1) identical to fatty acid elongase 1
A_84_P18655	At1g62710.1	3.797515	vacuolar processing enzyme beta / beta-VPE[At1g62710.1]
A_84_P18661	At5g04660.1	2.988853	cytochrome P450
A_84_P18741	At5g39850.1	2.673554	40S ribosomal protein S9 (RPS9C) 40S ribosomal protein S9
A_84_P18770	At5g47500.1	3.82563	pectinesterase family protein
A_84_P18773	At5g48250.1	2.261425	zinc finger (B-box type) family protein
A_84_P18810	At5g58870.1	3.879933	FtsH protease
A_84_P18882	At5g58190.1	2.536315	expressed protein
A_84_P18886	At1g20620.1	2.359555	catalase 3 (SEN2)
A_84_P189364	At3g57690.1	2.378359	arabinogalactan-protein, putative (AGP23)
A_84_P18942	At1g62290.1	5.632725	aspartyl protease family protein
A_84_P19067	At1g32550.1	2.537933	ferredoxin family protein
A_84_P19108	At1g30280.1	3.538714	expressed protein
A_84_P19121	At2g25760.1	2.261071	protein kinase family protein
A_84_P19127	At2g14860.1	3.499968	peroxisomal membrane protein 22 kDa
A_84_P19140	At2g47590.1	3.123723	photolyase/blue light photoreceptor (PHR2)
A_84_P19142	At2g47750.1	2.799556	auxin-responsive GH3 family protein
A_84_P19144	At2g47640.1	4.257102	small nuclear ribonucleoprotein D2
A_84_P19163	At2g43050.1	3.372747	pectinesterase family protein contains Pfam profile: PF01095 pectinesterase
A_84_P19180	At2g28510.1	9.874538	Dof-type zinc finger domain-containing protein
A_84_P19291	At3g27620.1	49.010205	alternative oxidase 1c, mitochondrial (AOX1C)

A_84_P19306	At3g26650.1	2.409573	glyceraldehyde 3-phosphate dehydrogenase A
A_84_P19332	At3g24650.1	3.166583	abscisic acid-insensitive protein 3 (ABI3)
A_84_P19336	At1g34640.1	3.684767	expressed protein
A_84_P19383	At3g50870.1	2.210826	zinc finger (GATA type) family protein
A_84_P193944	At5g66650.1	3.609733	expressed protein contains Pfam domain, PF04678: Protein of unknown function
A_84_P194044	At5g07330.1	3.888993	expressed protein
A_84_P19427	At3g61160.1	2.347658	shaggy-related protein kinase beta / ASK-beta (ASK2)
A_84_P19438	At3g44880.1	2.566719	Rieske [2Fe-2S] domain-containing protein
A_84_P19485	At4g17880.1	2.531919	basic helix-loop-helix (bHLH) family protein bHLH protein
A_84_P19492	At4g19710.1	2.258055	bifunctional aspartate kinase/homoserine dehydrogenase, putative / AK-HSDH
A_84_P19526	At4g27500.1	3.226052	expressed protein non-consensus GA donor splice site at exon 6
A_84_P19541	At4g30810.1	15.315416	serine carboxypeptidase S10 family protein
A_84_P19550	At4g33030.1	2.048335	UDP-sulfoquinovose synthase
A_84_P195734	At1g02890.1	3.356211	AAA-type ATPase family protein contains Pfam domain, PF00004: ATPase, AAA family
A_84_P19594	At4g37330.1	10.076337	cytochrome P450 family protein
A_84_P196244	At5g57930.1	4.381428	expressed protein
A_84_P19628	At5g10820.1	24.36563	integral membrane transporter family protein contains 11 transmembrane domains
A_84_P19658	At5g24240.1	2.32807	phosphatidylinositol 3- and 4-kinase family protein / ubiquitin family protein
A_84_P19701	At5g43810.1	2.01316	pinhead protein (PINHEAD) / zwille protein (ZWILLE)
A_84_P19754	At5g58540.1	4.210716	protein kinase family protein
A_84_P19772	At5g62180.1	7.781404	expressed protein similar to PrMC3, Pinus radiata
A_84_P19807	At5g20480.1	3.708157	leucine-rich repeat transmembrane protein kinase
A_84_P19923	At1g05680.1	48.158767	UDP-glucuronosyl/UDP-glucosyl transferase family protein
A_84_P19976	At1g60960.1	2.461506	metal transporter, putative (IRT3)
A_84_P200024	CHR2:014911845-014911786	2.392023	Unknown
A_84_P20023	At1g07180.1	2.855705	pyridine nucleotide-disulphide oxidoreductase family protein
A_84_P20034	At1g79030.1	2.508189	DNAJ heat shock N-terminal domain-containing protein / S-locus protein
A_84_P20078	At2g22230.1	2.443512	beta-hydroxyacyl-ACP dehydratase
A_84_P20128	At2g03760.1	45.611395	steroid sulfotransferase
A_84_P20281	At3g22910.1	2.692223	calcium-transporting ATPase, plasma membrane-type, putative / Ca(2+)-ATPase
A_84_P20335	At3g52460.1	6.924035	hydroxyproline-rich glycoprotein family protein



A_84_P20352	At3g55890.1	2.035756	yippee family protein
A_84_P20467	At4g26470.1	2.14743	calcium-binding EF hand family protein
A_84_P20478	At4g28880.1	3.603947	casein kinase
A_84_P20512	CHR1:017801236-017801177	15.425499	Unknown
A_84_P205258	At3g12150.1	2.12298	expressed protein
A_84_P205498	At1g63060.1	3.250445	expressed protein
A_84_P20565	At5g07710.1	3.088446	exonuclease family protein contains exonuclease domain, Pfam:PF00929
A_84_P20598	At5g22470.1	3.263798	poly (ADP-ribose) polymerase family protein
A_84_P20604	At5g24260.1	3.267443	prolyl oligopeptidase family protein
A_84_P20605	At5g24530.1	5.293602	oxidoreductase, 2OG-Fe(II) oxygenase family protein
A_84_P20660	At5g47110.1	2.114535	lil3 protein
A_84_P20704	At5g59320.1	4.993801	lipid transfer protein 3 (LTP3)
A_84_P20724	At5g63790.1	3.434969	no apical meristem (NAM) family protein
A_84_P20740	At5g14760.1	2.930031	L-aspartate oxidase family protein
A_84_P20748	At5g17520.1	4.078312	root cap 1 (RCP1) identical to GI:6137138
A_84_P20799	At1g02390.1	2.634988	phospholipid/glycerol acyltransferase family protein
A_84_P20880	At1g10810.1	2.962376	aldo/keto reductase family protein
A_84_P20977	At1g14480.1	2.441176	ankyrin repeat family protein contains Pfam domain, PF00023: Ankyrin repeat
A_84_P20997	At1g32180.1	2.883471	cellulose synthase family protein
A_84_P21029	At2g16910.1	2.671065	basic helix-loop-helix (bHLH) family protein
A_84_P21043	At2g43230.1	7.699683	serine/threonine protein kinase
A_84_P210958	At5g55060.1	5.099757	expressed protein
A_84_P211128	At1g80240.1	11.489505	expressed protein contains Pfam profile PF04862: Protein of unknown function
A_84_P211628	At2g40080.1	5.290505	expressed protein
A_84_P21219	At3g19580.1	3.054023	zinc finger (C2H2 type) protein 2 (AZF2)
A_84_P21308	At1g21550.1	2.797288	calcium-binding protein
A_84_P21312	At3g59440.1	5.443256	calcium-binding protein
A_84_P21364	At4g10920.1	2.641074	transcriptional coactivator p15 (PC4) family protein (KELP)
A_84_P21372	At4g12800.1	2.130001	photosystem I reaction center subunit XI, chloroplast (PSI-L) / PSI subunit V
A_84_P21375	At4g13580.1	2.809641	disease resistance-responsive family protein
A_84_P21406	At4g25100.1	7.365217	superoxide dismutase [Fe], chloroplast (SODB) / iron superoxide dismutase (FSD1)

A_84_P21446	At4g34160.1	3.743206	cyclin delta-3 (CYCD3)
A_84_P214638	At4g22890.1	2.342335	expressed protein
A_84_P214908	At4g15510.1	2.69521	photosystem II reaction center PsbP family protein
A_84_P21492	At5g02370.1	3.744989	kinesin motor protein-related kinesin, <i>Xenopus laevis</i> , EMBL:XLA249840
A_84_P21517	At1g31310.1	2.983411	hydroxyproline-rich glycoprotein family protein
A_84_P21528	At1g18310.1	19.936066	glycosyl hydrolase family 81 protein
A_84_P21543	At5g19220.1	3.74348	glucose-1-phosphate adenylyltransferase large subunit 1
A_84_P21584	At1g72210.1	2.62578	basic helix-loop-helix (bHLH) family protein (bHLH096)
A_84_P21595	At5g44360.1	2.342355	FAD-binding domain-containing protein
A_84_P21683	At5g66940.1	4.63749	Dof-type zinc finger domain-containing protein
A_84_P21685	At5g67450.1	5.059162	zinc finger (C2H2 type) protein 1 (AZF1)
A_84_P21773	At1g03630.1	2.474052	protochlorophyllide reductase C
A_84_P218458	At1g67325.1	2.348295	zinc finger (Ran-binding) family protein similar to ZIS2 [ <i>Homo sapiens</i> ]
A_84_P21874	At1g27730.1	5.492228	zinc finger (C2H2 type) family protein / salt-tolerance zinc finger protein
A_84_P21910	At1g12710.1	2.011343	F-box family protein / SKP1 interacting partner 3-related
A_84_P21916	At1g19250.1	15.60216	flavin-containing monooxygenase family protein / FMO family protein
A_84_P21924	At1g78050.1	2.391516	phosphoglycerate/bisphosphoglycerate mutase family protein
A_84_P21994	At2g26440.1	3.835061	pectinesterase family protein contains Pfam profile
A_84_P22023	At2g21110.1	2.044137	disease resistance-responsive family protein
A_84_P22044	At2g23560.1	2.824098	hydrolase, alpha/beta fold family protein
A_84_P22056	At2g01770.1	5.423146	integral membrane family protein contains integral membrane protein domain
A_84_P220798	At2g15300.1	4.208657	leucine-rich repeat transmembrane protein kinase
A_84_P22114	At3g03000.1	2.407648	calmodulin
A_84_P22128	At3g15690.1	2.467841	biotin carboxyl carrier protein of acetyl-CoA carboxylase-related
A_84_P22151	At3g25710.1	6.430645	basic helix-loop-helix (bHLH) family protein contains Pfam profile
A_84_P22262	At3g60390.1	2.613887	homeobox-leucine zipper protein 3 (HAT3) / HD-ZIP protein 3
A_84_P22296	At4g05010.1	2.941776	F-box family protein contains Pfam PF00646: F-box domain
A_84_P22318	At4g12830.1	2.472521	hydrolase, alpha/beta fold family protein
A_84_P22323	At4g17920.1	2.707495	zinc finger (C3HC4-type RING finger) family protein
A_84_P22342	At4g22780.1	8.814336	ACT domain-containing protein (ACR7)
A_84_P22386	At4g32540.1	2.957196	flavin-containing monooxygenase / FMO (YUCCA) identical to gi:16555352
A_84_P22402	At4g36220.1	3.17006	cytochrome P450 84A1 (CYP84A1) / ferulate-5-hydroxylase (FAH1)

A_84_P224099	At1g18330.1	4.695009	myb family transcription factor contains Pfam profile
A_84_P22430	At4g36870.1	10.195092	BEL1-like homeobox 2 protein (BLH2)
A_84_P224609	At3g19470.1	3.651585	F-box family protein contains F-box domain Pfam:PF00646
A_84_P224829	At2g45190.1	2.383876	axial regulator YABBY1/abnormal floral organs protein/filamentous flower protein
A_84_P225559	At5g64810.1	17.179254	WRKY family transcription factor
A_84_P22568	At5g51490.1	4.580338	pectinesterase family protein contains Pfam profile: PF01095 pectinesterase
A_84_P22607	At5g61600.1	11.423169	ethylene-responsive element-binding family protein
A_84_P22617	At5g64000.1	2.68071	3'(2'),5'-bisphosphate nucleotidase,putative inositol polyphosphate 1-phosphatase
A_84_P22698	At1g64460.1	2.067852	phosphatidylinositol 3- and 4-kinase family protein contains Pfam profile
A_84_P22718	At1g51420.1	2.61118	sucrose-phosphatase, putative similar to sucrose-phosphatase (SPP1)
A_84_P22726	At1g70170.1	4.557814	matrixin family protein similar to SP P29136 Metalloendoprotease 1 precursor
A_84_P227839	At1g67050.1	2.244993	expressed protein [At1g67050.1]
A_84_P22836	At1g66430.1	4.092363	pfkB-type carbohydrate kinase family protein contains Pfam profile
A_84_P22839	At1g73260.1	2.941841	trypsin and protease inhibitor family protein / Kunitz family protein
A_84_P22850	At1g66150.1	2.271689	leucine-rich repeat protein kinase, putative (TMK1)
A_84_P22890	At1g14410.1	2.956914	DNA-binding protein-related
A_84_P22892	At1g73500.1	5.058265	mitogen-activated protein kinase kinase (MAPKK)
A_84_P229069	At5g57130.1	2.916363	expressed protein
A_84_P22943	At2g42250.1	2.996568	cytochrome P450 family protein similar to cytochrome P450 93A1 (SP:Q42798)
A_84_P22963	At2g28800.1	3.418187	chloroplast membrane protein (ALBINO3) Oxa1p homolog {PMID:11148275}
A_84_P22980	At2g17520.1	2.306671	protein kinase family protein / Ire1 homolog-2 (IRE1-2)
A_84_P23025	At2g46780.1	2.87449	RNA recognition motif (RRM)-containing protein contains InterPro entry IPR000504
A_84_P23171	At3g51910.1	2.221245	heat shock transcription factor family protein contains Pfam profile
A_84_P23217	At3g62720.1	3.800217	galactosyl transferase GMA12/MNN10 family protein
A_84_P232439	At4g31800.1	3.10601	WRKY family transcription factor
A_84_P23249	At4g09040.1	2.235879	RNA recognition motif (RRM)-containing protein
A_84_P23277	At4g20040.1	2.23029	expressed protein C70DMY30S
A_84_P23308	At4g27140.1	6.43036	2S seed storage protein 1 / 2S albumin storage protein / NWMU1-2S albumin 1
A_84_P23433	At1g49570.1	6.570658	peroxidase
A_84_P23481	At5g42580.1	2.69246	cytochrome P450 family protein similar to Cytochrome P450 93A1
A_84_P23502	At5g48070.1	4.981149	xyloglucan:xyloglucosyl transferase

A_84_P23513	At5g51280.1	2.979749	DEAD-box protein abstrakt, putative
A_84_P23525	At5g54770.1	2.932896	thiazole biosynthetic enzyme, chloroplast (ARA6) (THI1) (THI4)
A_84_P23535	At5g57630.1	2.329919	CBL-interacting protein kinase 21, putative (CIPK21)
A_84_P23544	At5g59720.1	2.974149	18.1 kDa class I heat shock protein (HSP18.1-CI)
A_84_P236583	At1g62960.1	3.857106	1-aminocyclopropane-1-carboxylate synthase, putative / ACC synthase
A_84_P23690	At1g11890.1	2.186404	vesicle transport protein SEC22
A_84_P23696	At1g60390.1	3.103633	BURP domain-containing protein / polygalacturonase
A_84_P23725	At1g17260.1	2.547881	ATPase 10, plasma membrane-type
A_84_P23742	At1g79600.1	2.192688	ABC1 family protein contains Pfam domain, PF03109: ABC1 family
A_84_P23747	At1g10900.1	32.157128	phosphatidylinositol-4-phosphate 5-kinase family protein
A_84_P23859	At2g30250.1	4.126607	WRKY family transcription factor
A_84_P23876	At2g40220.1	2.566634	abscisic acid-insensitive 4 (ABI4)
A_84_P23910	At2g02380.1	3.131836	glutathione S-transferase
A_84_P23935	At2g37590.1	3.366546	Dof-type zinc finger domain-containing protein
A_84_P23964	At2g31980.1	3.452196	cysteine proteinase inhibitor-related
A_84_P23973	At3g03780.2	3.094851	5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase
A_84_P23980	At3g05500.1	5.929947	rubber elongation factor (REF) family protein contains Pfam profile
A_84_P239935	At1g01320.1	2.773267	tetratricopeptide repeat (TPR)-containing protein
A_84_P24028	At3g16240.1	5.918126	delta tonoplast integral protein (delta-TIP)
A_84_P240415	At5g11550.1	2.694285	expressed protein
A_84_P24056	At3g18280.1	3.975706	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
A_84_P24121	At3g52900.1	4.697321	expressed protein contains Pfam profile PF04949
A_84_P24139	At3g56500.1	4.681468	serine-rich protein-related
A_84_P242895	At1g66160.1	2.978653	U-box domain-containing protein
A_84_P251245	At5g48655.1	2.663776	zinc finger (C3HC4-type RING finger) family protein
A_84_P253585	At3g26410.1	2.04541	expressed protein
A_84_P255170	At5g42010.1	2.119463	WD-40 repeat family protein
A_84_P260340	At1g76240.1	2.376877	expressed protein contains Pfam profile PF03087
A_84_P267260	At3g04630.1	3.125182	expressed protein [At3g04630.1]
A_84_P277210	At5g23530.1	4.267858	expressed protein contains similarity to PrMC3 [Pinus radiata]
A_84_P277490	At2g02930.1	8.451367	glutathione S-transferase, putative
A_84_P282380	At1g74690.1	2.434686	calmodulin-binding family protein

A_84_P287840	At5g11000.1	2.702626	expressed protein
A_84_P288270	CHR2:013304966-013305025	2.751868	Unknown
A_84_P291094	At1g70830.1	6.698662	Bet v I allergen family protein similar to Csf-2 [ <i>Cucumis sativus</i> ]
A_84_P291394	At2g41370.1	2.882861	ankyrin repeat family protein / BTB/POZ domain-containing protein
A_84_P293174	At2g02100.1	2.341902	plant defensin-fusion protein
A_84_P293484	At3g19800.1	4.565897	expressed protein
A_84_P293854	At3g06550.1	2.180802	O-acetyltransferase-related
A_84_P294924	At2g38920.1	2.070951	SPX (SYG1/Pho81/XPR1) domain-containing protein
A_84_P295304	At1g60790.1	2.557113	expressed protein
A_84_P297064	At1g65310.1	2.716808	xyloglucan:xyloglucosyl transferase
A_84_P298474	At1g02520.1	4.401019	multidrug resistance P-glycoprotein, putative
A_84_P299340	At5g14690.1	2.616576	expressed protein predicted protein, <i>Arabidopsis thaliana</i>
A_84_P306750	At3g09035.1	3.199172	legume lectin family protein contains Pfam domain, PF00139
A_84_P307390	At4g38170.1	2.085394	far-red impaired responsive protein, putative / SWIM zinc finger family protein
A_84_P312043	At2g31220.1	2.525293	basic helix-loop-helix (bHLH) family protein
A_84_P312113	At5g20260.1	3.889155	exostosin family protein contains Pfam profile
A_84_P500331	At2g34360.1	3.111271	MATE efflux family protein
A_84_P508215	At1g74750.1	3.5526	pentatricopeptide (PPR) repeat-containing protein
A_84_P511284	At4g24910.1	2.212704	hypothetical protein contains Pfam profile PF04669
A_84_P514608	At3g09032.1	3.785537	expressed protein
A_84_P521551	At2g01755.1	3.691146	hypothetical protein
A_84_P522474	At2g19320.1	5.447719	expressed protein
A_84_P526341	At4g22890.2	2.93259	expressed protein
A_84_P533182	At2g37380.1	2.085883	expressed protein
A_84_P534390	At4g37740.1	3.314491	expressed protein identical to transcription activator GRL2
A_84_P536408	At4g29230.1	2.967708	no apical meristem (NAM) family protein
A_84_P541443	At4g30010.1	2.245197	expressed protein
A_84_P543127	At4g00895.1	2.221429	ATP synthase delta chain-related contains weak similarity to Swiss-Prot
A_84_P544120	At4g32860.1	5.007526	expressed protein
A_84_P547587	At4g09290.1	2.371684	hypothetical protein
A_84_P552138	At5g11870.1	3.070305	expressed protein
A_84_P558055	At3g11740.1	11.359579	expressed protein contains Pfam profile PF04525

A_84_P561502	At2g34200.1	2.548342	zinc finger (C3HC4-type RING finger) family protein
A_84_P563228	At2g19090.1	3.096755	expressed protein contains Pfam profiles
A_84_P563616	At4g37030.1	5.274421	hypothetical protein
A_84_P571723	At5g27110.1	4.205895	pentatricopeptide (PPR) repeat-containing protein
A_84_P572494	At4g28703.1	2.146031	expressed protein
A_84_P576326	At5g53210.1	25.112824	basic helix-loop-helix (bHLH) family protein
A_84_P576539	At1g80540.1	5.840132	expressed protein ; expression supported by MPSS
A_84_P578929	At5g57830.1	2.743167	expressed protein contains Pfam profile PF04576
A_84_P579358	At3g01516.1	2.748775	expressed protein
A_84_P58170	At5g67250.1	2.253767	SKP1 interacting partner 2 (SKIP2)
A_84_P600095	At4g19645.1	2.608354	expressed protein
A_84_P600808	At3g15230.1	2.546713	hypothetical protein
A_84_P604467	At3g59680.1	5.737161	expressed protein
A_84_P606349	At4g28460.1	34.137202	hypothetical protein
A_84_P609425	At1g61200.1	2.186191	homeobox-leucine zipper protein-related
A_84_P612156	At1g73885.1	2.115139	expressed protein
A_84_P612355	At3g13600.1	2.272021	calmodulin-binding family protein
A_84_P61430	At5g38360.1	3.184274	esterase/lipase/thioesterase family protein
A_84_P66354	At1g28310.1	2.643693	Dof-type zinc finger domain-containing protein
A_84_P701513	CHR5:005274170-005274111	4.695502	Unknown
A_84_P705960	CHR5:004131515-004131574	2.797046	Unknown
A_84_P71124	At3g44150.1	2.173515	expressed protein hypothetical proteins - Arabidopsis thaliana
A_84_P71364	At1g28100.1	2.105246	expressed protein
A_84_P718521	CHR4:016798979-016799038	2.638318	Unknown
A_84_P720423	CHR2:015134645-015134704	5.876149	Unknown
A_84_P72294	At5g11610.1	3.069975	exostosin family protein contains Pfam domain, PF03016: Exostosin family
A_84_P72554	At1g77400.1	2.289845	expressed protein
A_84_P732685	CHR3:005789137-005789196	2.578514	Unknown
A_84_P736417	CHR1:005404683-005404624	2.538874	Unknown
A_84_P73644	At3g59930.1	3.537827	expressed protein
A_84_P738659	CHR1:008032768-008032827	4.14771	Unknown
A_84_P93079	At1g75240.1	2.106725	zinc finger homeobox family protein / ZF-HD homeobox family protein

A_84_P94069	At5g53160.1	2.620155	expressed protein similar to unknown protein (pir  T02893)
A_84_P96536	At1g13190.1	2.590571	RNA recognition motif (RRM)-containing protein

Expression levels of *BnGRF2a*  
in different tissues of rapeseed zy036 and 51070

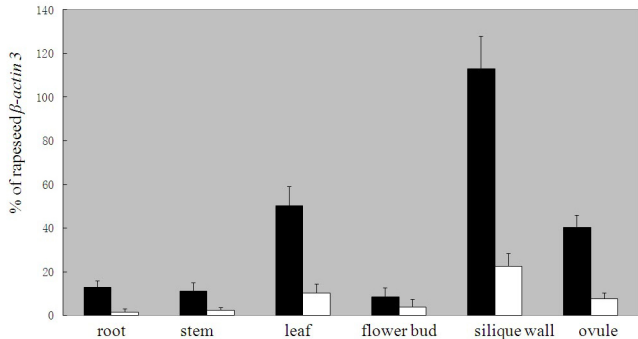


Fig. S1



	(506)	506	520	530	540	550	560	570	580	590	600	610	620	630	642
35S- <i>BnGRP2a-2</i>	(506)	AAATAAATTAAGTGTATTTCAAAATTTTAATGTAACTTAGTAGTATTGTCGCTGTGCTATGATCAAACTGTATAATTAAGATCTAATAGGATCTAARAAGATTATCTAGTATCGGAAGATATTGTTTCATGG													
pEarleyGate 100LB	(1)	-----													

Arabidopsis chromosome 2 sequence ← → pEarleyGate 100 LB sequence  
 ↓  
 Insertion site

	(643)	643	650	660	670	680	690	700	710	720	730	740	750	760	779
35S- <i>BnGRP2a-2</i>	(643)	TAAAATAGTTTATATAAGTCTAATTAGGATAAATGTATAAGATAAGAATTGTTTTTGTACTGACGCTTAGACAACCTTAATAACACATTGCGGACGTTTTTAATGTACTGAATTAACGCCGAATTAATTGAGCTC													
pEarleyGate 100LB	(1)	-----GACGCTTAGACAACCTTAATAACACATTGCGGACGTTTTTAATGTACTGAATTAACGCCGAATTAATTGAGCTC													

	(436)	436	450	460	470	480	490	500	510	520	530	540	550	560	572
35S- <i>BnGRP2a-10</i>	(436)	AGAGGCTCCTCTGGCTCTTGCACCTTCAGCCACCTGTTTCCCAATTATTAACAAGGCATTATTAAGTCTATGTGTCACCAATTCCATACAAACAAAGAGGAACCTGGACTTACGGCAAGTCCAACAGCGCCAAGTC													
pEarleyGate 100LB	(1)	-----													

Arabidopsis chromosome 1 sequence ← → pEarleyGate 100 LB sequence  
 ↓  
 Insertion site

	(574)	574	580	590	600	610	620	630	640	650	660	670	680	690	700	710
35S- <i>BnGRP2a-10</i>	(574)	AAAAATAGCGACGGTGGAGGCAGGTTGAATATCAGCCACATTCCACGCCGACCGACATGGAAATATATTGGTGTAAACAATTGACGCTTAGACAACCTTAATAACACATTGCGGACGTTTTTAATGTACTGAAT														
pEarleyGate 100LB	(1)	-----ATATATTGGTGTAAACAATTGACGCTTAGACAACCTTAATAACACATTGCGGACGTTTTTAATGTACTGAAT														

Fig.S2

Expression level analysis of six genes  
in siliques of WT control and Napin-*BnGRF2a-3* transgenic line

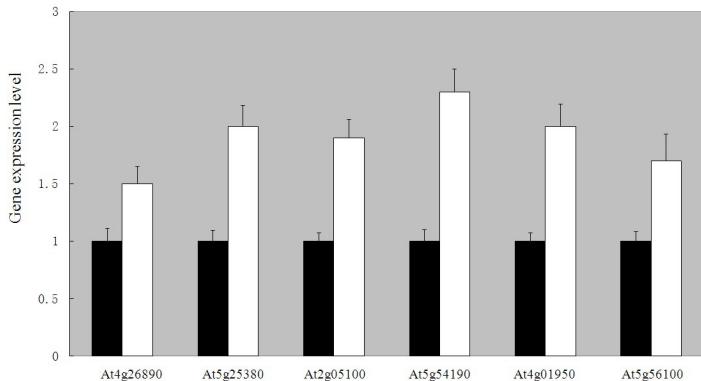


Fig.S3