

**Electronic Supplementary Information S10.** Up and downregulated genes of ACR3 and TIP-ACR3 compared to control roots all exposed to 0.1 mM As<sup>III</sup>.

**HYBRIDIZATION 4: LIST OF UP-REGULATED GENES**

<b>Probe Set ID</b>	<b>Fold Change ([0.1 ACR3] vs [0.1-HR])</b>	<b>Blast2GO description</b>	<b>Genbank Accessions</b>
C228_s_at	48.018467	N.tabacum cysteine-rich extensin-like protein-4 mRNA	EB683071
C1359_at	32.31786	Proteinase inhibitor I3, Kunitz legume, Kunitz inhibitor ST1-like	DW004832
EB430244_x_at	22.426174	unknow	EB430244
C10896_at	21.463442	dir1 (defective in induced resistance 1) lipid binding	JF275847.1
BP528597_at	21.445984	Mitochondrial DNA	BP528597
C10933_x_at	20.347004	Solanum nigrum clone 82 organ-specific protein S2 (OS)	EB443218
TT31_B05_s_at	17.260008	Proteinase inhibitor I3, Kunitz legume, Kunitz inhibitor ST1-like	
C3546_s_at	17.171844	fasciclin-like arabinogalactan protein 2	EB451563
C8455_at	16.855278	Defective in induced resistance 2 protein (DIR2)	BP530866
C11687_at	16.618454	galactinol synthase	EB432401
BP136836_s_at	15.364014	Nicotiana tabacum mitochondrial DNA	BP136836
BP525701_at	15.137816	Nicotiana tabacum mitochondrial DNA	BP525701
EB682942_at	14.943408	Hop-interacting protein THI101	EB682942
BP133164_at	14.644844	Nicotiana tabacum mitochondrial DNA	BP133164
AY055111_at	14.570147	Nicotiana tabacum pathogenesis-related protein PR10a	AY055111
TT08_C02_at	14.375496		
BP526999_at	14.374481	Nicotiana tabacum mitochondrial DNA	BP526999
CV017694_s_at	14.261358	Chloroplast pigment-binding protein CP26 (Lhcb5) Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin	CV017694
C2702_at	14.131094	superfamily protein	DV160970
C2363_at	13.91865	Chlorophyll a/b binding protein	DV998975
BP130926_at	13.808607	Nicotiana tabacum mitochondrial DNA	BP130926

C1540_at	13.767762		DW003768
C5436_at	13.619152	Chlorophyll a/b binding protein mRNA	EB438899
BP526000_at	13.602975	Nicotiana tabacum mitochondrial DNA, complete genome	BP526000
C114_at	13.567231	NtMPO1 mRNA for N-methylputrescine oxidase	EB683713
BP135226_at	13.479048	Nicotiana tabacum mitochondrial DNA	BP135226
AY775032_at	13.290633	Avr9/Cf-9 rapidly elicited protein 34 (ACRE34)	AY775032
C4142_at	13.193712	aquaporin 1 Arabidopsis thaliana Bifunctional inhibitor/plant lipid transfer protein/seed storage	EB448249
C9569_x_at	13.046804	protein/seed storage	BP534045
C855_at	13.033755	Dicarboxylate symporter, AWPM-19-like	EB679601
BP527848_at	12.995745	cytochrome c biogenesis fc protease inhibitor seed storage lipid transfer proteinfamily protein	BP527848
C871_s_at	12.993846	protein	EB679527
C2397_s_at	12.921018	Chlorophyll A-B binding protein	DV998784
C9569_at	12.899855	Bifunctional inhibitor/plant lipid transfer protein/seed storage	BP534045
BP529621_at	12.855987	Nicotiana tabacum mitochondrial DNA	BP529621
BP136364_at	12.556058	Nicotiana tabacum mitochondrial DNA	BP136364
GC174_at	12.5200405	tonoplast intrinsic protein: Aquaporin	
CV018526_s_at	12.428681	Nicotiana alata arabinogalactan protein (Agp4) gene	CV018526
C9322_at	11.942007	Cationic peroxidase isozyme	D42064
CV017581_x_at	11.802619	Lhcb1*9 gene for light harvesting chlorophyll a/b-binding protein	CV017581
DV157657_at	11.732288	Sodium:dicarboxylate symporter, AWPM-19-like	DV157657
BP531129_at	11.665015	cytochrome p450	BP531129
BP136951_at	11.662141	Nicotiana tabacum mitochondrial DNA	BP136951
BP135763_at	11.626848	Nicotiana tabacum mitochondrial DNA	BP135763
C1231_at	11.543296	malate synthase	EB677524
C4250_x_at	11.535695	xyloglucan endotransglucosylase/hydrolase protein 9	EB447692
GC339_at	11.527097	Nicotiana tabacum mitochondrial DNA	
C9040_s_at	11.521263	histone h2a	AJ718013

BP136017_at	11.446075	NADH-ubiquinone oxidoreductase chain	BP136017
C3170_at	11.433184	heat shock protein	EB682461
BP526536_at	11.364611	Tobacco mitochondrial ATPase subunit 9 gene	BP526536
BP135070_at	11.134972	Nicotiana tabacum mitochondrial DNA Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	BP135070
C6364_at	11.080008	albumin-like protein Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	EB427945
C8359_x_at	11.047103	albumin-like protein	BP532100
DW003245_at	11.000461	histone h3	DW003245
BP134083_at	10.997172	Nicotiana tabacum mitochondrial DNA	BP134083
CV018136_s_at	10.97989	chlorophyll a b binding protein	CV018136
C7785_at	10.962825	Nicotiana tabacum mitochondrial DNA	BP131298
EB430905_at	10.867714		EB430905
DV158065_at	10.753152	ribosomal protein l2	DV158065
C3767_at	10.559306	Aspartyl protease-like protein	EB450456
BP129948_at	10.524922	Nicotiana tabacum mitochondrial DNA	BP129948
BP132548_at	10.30555	Nicotiana tabacum mitochondrial DNA	BP132548
C4973_at	10.272949	Beta-glucosidase	EB441923
C8936_at	10.124016	cell wall-plasma membrane linker protein homolog (CWLP)	BQ843040
BP135772_at	9.940989	Solanum tuberosum NADH dehydrogenase subunit 1 (nad1) gene	BP135772
C2925_s_at	9.791331	Serine--glyoxylate aminotransferase	DV159853
C979_at	9.701742	heat shock protein	EB678931
AJ717881_at	9.615107	Nicotiana tabacum cDNA-AFLP-fragment BSTT13-3-320	AJ717881
BP527985_at	9.57651	Nicotiana tabacum mitochondrial DNA	BP527985
C5960_at	9.51868	heat shock protein	EB431431
C3390_at	9.515951	thaumatin-like protein	DV157646
CV019160_s_at	9.502832	Aquaporin	CV019160
C4142_s_at	9.348861	Aquaporin TIP1-1	EB448249

BP527880_at	9.329735	Nicotiana tabacum mitochondrial DNA	BP527880
C3275_at	9.177324	Arabidopsis thaliana: AWPM-19-like family protein [	DV158144
BP137371_at	9.117245	Nicotiana tabacum mitochondrial DNA	BP137371
BP529225_at	9.074667	Nicotiana tabacum mitochondrial DNA	BP529225
EB431291_s_at	8.977202	UDP-D-glucuronate 4-epimerase 6	EB431291
C9848_at	8.824359	kunitz trypsin inhibitor	EB429016
DV158314_at	8.8046875	Solanum lycopersicum cDNA, clone: LEFL1005CC12, HTC in leaf	DV158314
C3996_at	8.750485	BURP domain-containing protein	EB449239
C3170_x_at	8.724138	heat shock protein	DV158632
C4075_at	8.696569	L-ascorbate oxidase	EB448781
BP128457_at	8.646214	Nicotiana tabacum mitochondrial DNA	BP128457
BP130928_at	8.637363	Nicotiana tabacum mitochondrial DNA	BP130928
BP528462_s_at	8.628075		BP528462
DW003245_x_at	8.62616	histone h3	DW003245
C3800_at	8.615625	Solanum lycopersicum cDNA, clone: LEFL3012D10	EB450211
C9116_at	8.585	peroxidase	AB044154
C4250_at	8.487887	Arabidopsis thaliana putative xyloglucan endotransglycosylase	EB447692
C3609_s_at	8.41374	xyloglucan endotransglycosylase/hydrolase 16 protein (XTH16)	EB451243
C1213_s_at	8.380218	Capsicum annuum induced stolon tip protein mRNA,	EB677616
EB438117_at	8.351787	Solanum lycopersicum cDNA, clone: LEFL1027BB09	EB438117
C4722_at	8.3354	Solanum tuberosum tuber polyphenol oxidase PPO	EB443535
EB679258_at	8.318896	Cystathionine beta-synthase (CBS)	EB679258
C4532_at	8.265015	thionin-like protein 2-like	EB445358
EB446291_at	8.238495	uncharacterized protein	EB446291
C11679_at	8.226071	nadh dehydrogenase subunit 5	BP529925
DW002872_at	8.113052	Nicotiana tabacum mitochondrial DNA	DW002872
CV017513_at	8.106242	Major chlorophyll a/b binding protein	CV017513
C1231_s_at	8.091745	malate synthase	EB677524

T160B_s_at	8.074036	Nicotiana tabacum mitochondrial DNA	
BP527738_at	7.992959	Nicotiana tabacum mitochondrial DNA	BP527738
C7610_at	7.988423	Nicotiana tabacum mitochondrial DNA	BP134269
TT39_G19_at	7.9531918	Galacturonosyltransferase-like 3-like	
EB680720_at	7.9444313	atpase subunit 8	EB680720
BP129876_at	7.943397	Nicotiana tabacum mitochondrial DNA	BP129876
C4785_at	7.8802996	pectinesterase inhibitor	EB443203
EB444844_at	7.8724093	Nicotiana tabacum NtLTP3 gene for lipid transfer protein	EB444844
BP129383_at	7.8573647	ATP synthase CF1 alpha subunit (atpA)	BP129383
BP130155_at	7.84754	Nicotiana tabacum mitochondrial DNA	BP130155
C5288_at	7.8444605	phospholipase a2	EB439873
C4122_at	7.8121233	galactinol synthase	EB448354
C5423_x_at	7.7791915	Chloroplast pigment-binding protein CP26 (Lhcb5)	EB438962
AY150216_at	7.7602434	Nicotiana tabacum mitochondrial DNA	AY150216
C10434_at	7.7008367		EB448530
C3134_at	7.6287756	malate synthase	DV158814
BP128412_at	7.619685	Nicotiana tabacum mitochondrial DNA	BP128412
BP134299_at	7.5984316	Nicotiana tabacum mitochondrial DNA	BP134299
C5843_at	7.559615	heat shock protein	EB432749
C9881_x_at	7.5384593	Nicotiana alata arabinogalactan protein (Agp4) gene	EB450200
CV019731_s_at	7.4934835	histone h2a	CV019731
C284_at	7.440221	pectinesterase	EB682699
C7453_at	7.409829	ribosomal protein s4	BP136413
TT12_C07_at	7.3435564	fasciclin-like arabinogalactan protein 1-like,	
C6181_at	7.316843	em protein	EB428845
BP529580_at	7.233579	Nicotiana tabacum mitochondrial DNA Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	BP529580
C1179_at	7.2243085	albumin superfamily protein	EB677782

C9564_at	7.209013	Induced stolon tip protein mRNA	EB448517
BP533512_at	7.1904283	Tumor-related protein	BP533512
C7067_at	7.1851077	Nicotiana tabacum mitochondrial DNA	BP529585
BQ842824_at	7.119167	Retrotransposon Tto1 DNA	BQ842824
C8967_x_at	7.0956907	Chlorophyll a/b-binding protein (Cab-E) gen	BU673941
C4235_at	6.982125	Ferredoxin-like protein	EB447747
C8573_x_at	6.856902	meiotic nuclear division protein 1 homolog	CV021239
C9288_at	6.7822404	BYJ15. GDSL esterase/lipase	AB005878
C6907_at	6.7573967	lipid transfer	EB425248
CV017356_x_at	6.7181034	ribulose--bisphosphate carboxylase oxygenase small subunit	CV017356
C7616_at	6.713817	atpase subunit 6	BP134217
TT17_F18_s_at	6.656719	galacturonosyltransferase-like 3-like	
GC437_at	6.6366916	Tetrahymena thermophila E1-E2 ATPase family protein Solanum tuberosum NADH dehydrogenase subunit 3 (nad3) and	XM_001022205.1
BP133724_at	6.5338783	ribosomal protein S12 (rps12) genes Nicotiana tabacum protein SAR8.2e which responds to agents	BP133724
C1890_x_at	6.5078115	that induce systemic acquired resistance mRNA	DW001502
C11178_x_at	6.500295	histone h3 Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	CV020332
EB446456_s_at	6.469589	albumin-like protein	EB446456
BP534122_at	6.4557776		BP534122
C5588_at	6.40058	heat shock protein protease inhibitor seed storage lipid transfer proteinfamily	EB437932
EB450715_at	6.3950257	protein	EB450715
EB677226_at	6.3292193	kda oleosin	EB677226
C1743_at	6.181132	histone h2b	DW002418
C2353_s_at	6.140957	serine--glyoxylate aminotransferase	DV999008
C8596_x_at	6.138949	peroxidase	CV020821
C7763_at	6.1379347	monocopper oxidase-like protein SKU5-like	BP131567

EB643481_at	6.1172757	cytochrome c oxidase subunit iii	EB643481
BP532691_at	6.1040983	Fasciclin-like arabinogalactan protein 2	BP532691
EB445248_at	6.102207	N.tabacum ascorbate oxidase-	EB445248
C8747_at	6.0320826	Light harvesting chlorophyll a/b-binding protein	CV018261
C10434_s_at	6.0247827		EB448530
BP532312_at	5.9144187	Nicotiana glauca partial mRNA for extensin	BP532312
EB446455_at	5.894135	Arabidopsis thaliana: arabinogalactan protein 12	EB446455
C11149_s_at	5.8787174	thaumatin-like protein	CV021339
C8287_at	5.833702	late embryogenesis abundant lea	BP532844
C5973_at	5.8300915	HSP20-like chaperone	EB431324
EB431233_at	5.816684	small heat shock protein 3B (sHSP3B)	EB431233
BP534946_at	5.8009453	Histone H3.1	BP534946
C3831_at	5.7985663	Arabinogalactan protein (Agp4) gene	EB450059
C151_x_at	5.7791595	PLA2 (F8) mRNA	EB683524
C2232_at	5.7602196	nad-dependent epimerase dehydratase	DV999639
C4423_x_at	5.7518826	low temperature and salt responsive protein lti6b	EB446302
DV159021_at	5.748719	retrotransposonty3-gypsy subclass	DV159021
BP134922_at	5.739641	Nicotiana tabacum mitochondrial DNA	BP134922
T153_at	5.7237234	Nicotiana tabacum mitochondrial DNA	
EB436452_at	5.7205734	homoserine kinase	EB436452
EB424615_at	5.7149634	EG45-like domain-containing protein 2	EB424615
C9312_at	5.703543	Nicotiana tabacum hybrid proline-rich protein (HyPRP1)	AF154667
EB679610_at	5.698737	defensin protein	EB679610
C9378_at	5.6975894	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin	AB041516
EB681606_at	5.6824174	arabinogalactan-like protein	EB681606
C955_at	5.676384	heavy metal-associated isoprenylated plant protein	EB679046
C1843_at	5.6580853	Arabidopsis thaliana: extensin-like protein	DW001775
TT47_C01_at	5.6448674	fasciclin-like arabinogalactan-protein 9 (Fla9)	

BP532414_at	5.628534	Extensin-like protein (ELP)	BP532414
C3609_at	5.588033	Xyloglucan endotransglucosylase/hydrolase protein 9	EB451243
C5343_at	5.5558057	thaumatin-like protein	EB439475
GC302_s_at	5.524782	Isoliquiritigenin 2'-O-methyltransferase-like	
TT07_C18_at	5.521385	pectinesterase like protein	
C11128_at	5.4859605	Protein SPIRAL1-like2	BP531882
TT21_K10_at	5.483495	Ethylene-responsive transcription factor ERF109	
C5842_at	5.4627285	heat shock protein 90	EB432766
EB439434_x_at	5.4621544	bidirectional sugar transporter SWEET10-like	EB439434
C9290_at	5.4575562	PAR1 protein	AB041515
C5343_x_at	5.4202065	thaumatin-like protein	EB439475
C3297_at	5.413358	lamin-like protein-like	DV158056
EB430151_x_at	5.379431	Nicotiana tabacum relA/spoT-like protein RSH2	EB430151
C8930_at	5.3774967	histone h2a	BQ843100
BP534122_x_at	5.3558626		BP534122
C4427_s_at	5.3485317	secretory peroxidase (PER)	EB446251
C8736_at	5.334672	Chlorophyll a/b binding protein	CV018370
TT09_M20_at	5.3294168	VFNT NBS-LRR resistance protein-like protein (Mi-1.7)	
C3183_at	5.3217125	group 3 late embryogenesis abundant protein	DV158564
DV162116_at	5.315536	galacturonosyltransferase	DV162116
C417_x_at	5.2852993	Alpha-tubulin (tubA2 gene) mrna inducible by salicylic acid or by tmv during systemic	EB681781
C24_s_at	5.2472067	acquired resistance	EB684159
EB446845_x_at	5.19914	Nicotiana tabacum Sar8.2k gene	EB446845
BP132553_at	5.193844	Nicotiana tabacum mitochondrial DNA, complete genome	BP132553
C4043_at	5.1924796		EB448977
C1726_at	5.1755486	Medicago truncatula hypothetical protein (MTR_4g059520) NtSN1b mRNA for putative PR-10 type pathogenesis-related	DW002537
C8883_x_at	5.168222	protein	CV015950



CV019467_x_at	5.163784	ribulose--bisphosphate carboxylase oxygenase small subunit	CV019467
BP533749_at	5.158026	thymidine kinase	BP533749
C7180_at	5.149939	cytochrome oxidase subunit i	BP528067
DV999434_at	5.1485076	polygalacturonase	DV999434
C2825_at	5.147305	lactoylglutathione lyase family protein glyoxalase i family protein	DV160370
TT23_L21_at	5.1415186	Concanavalin A-like lectin kinase-like protein	
C4399_at	5.1330814		EB446559
BP531863_at	5.1215906		BP531863
EB684220_at	5.113586	sucrose non-fermenting 1-related protein kinase (SNFR1)	EB684220
TT25_C13_at	5.106824		
C718_at	5.103475	PYR/PYL/RCAR family proteins function as abscisic acid sensors.	EB680187
C4075_s_at	5.101373	L-ascorbate oxidase	EB448781
CB329254_at	5.0860586	Nicotiana tabacum mitochondrial DNA	CB329254
BT2M345_at	5.083808	Nicotiana tabacum DNA, presumably centromeric region	AJ538904
BP129305_at	5.0813823	Apis mellifera vacuolar H[+] ATPase 44kD C subunit (Vha44),	BP129305
C9204_at	5.0813456	phospholipase a2 SAR8.2c which responds to agents that induce systemic acquired	AB190178
DV161065_s_at	5.054745	resistance mRNA	DV161065
C8124_at	5.028823	histone h4	BP534600
BP525580_at	4.9885545	Nicotiana tabacum mitochondrial DNA	BP525580
EB684131_at	4.984053		EB684131
C1341_at	4.9631543	copper amine oxidase	DW004914
C3039_at	4.9465814		DV159241
C9495_at	4.897401	H+/hexose cotransporter.	X66856
BP131649_at	4.872249	Tobacco mtDNA for ATPase subunit 6	BP131649
C4427_at	4.869067	secretory peroxidase (PER)	EB446251
TT22_K04_at	4.866402		
BP129871_at	4.855713		BP129871
EB435348_s_at	4.84902		EB435348
AB107693_at	4.832601	BLUE MICROPYLAR END 3	AB107693

C9721_at	4.828039	arabinogalactan peptide 14-like	BP530154
C1580_at	4.7945666	Lachrymatory-factor synthase precursor, putative	DW003495
C4939_at	4.777458	Leucine-rich repeat-containing protein NtSN1b mRNA for putative PR-10 type pathogenesis-related	EB442159
C8883_at	4.754568	protein	CV015950
C8254_at	4.749736	cytochrome p450 CYP82E5v2	BP533216
C9832_at	4.7404156	cysteine proteinase inhibitor	BP534077
C9204_x_at	4.739898	phospholipase a2	AB190178
EB431781_at	4.7263446		EB431781
BP531909_at	4.7241073	leucine-rich repeat extensin-like protein 4	BP531909
DW002408_at	4.6715674	acid phosphatase	DW002408
EB444476_at	4.664151	serine protease	EB444476
C1757_at	4.653951	histone h3	DW002353
C5423_at	4.651087	Chlorophyll A-B binding protein	EB438962
C60_s_at	4.643987	RING-H2 FINGER A2A	EB683955
TT38_K20_at	4.6406407	fatty acid desaturase 1	
C5985_at	4.639877	heat shock protein	EB431208
C7957_at	4.6279826	fpa rna binding	BP128668
CN498836_at	4.6072803	fmo1 (flavin-dependent monooxygenase 1) monooxygenase	CN498836
C11443_at	4.592726	pectate lyase	EB446620
C11681_s_at	4.567962	peroxidase	
CV016587_x_at	4.56625	ribulose--bisphosphate carboxylase oxygenase small subunit	CV016587
TT20_K20_at	4.5654573	WRAF2 mRNA for wound-responsive AP2 like factor 2,	
C11566_at	4.562094	Glycine-rich protein precursor (GRP-CD2)	AB041513
C1567_at	4.54514	histone h3	DW003576
TT06_C03_at	4.515797	DBP1-interacting protein 2 (DIP2)	
EB435183_x_at	4.506315	Fasciclin-like arabinogalactan protein 17-like	EB435183
TT14_E14_at	4.499983	arabinogalactan peptide 14	
BP525606_at	4.4866333	ATP synthase subunit 9, mitochondrial	BP525606
C7143_at	4.48128	contig2 mitochondrion	BP528639

BP529985_at	4.4721603	RING-H2 finger protein	BP529985
TT07_E06_s_at	4.4663615	deoxyuridine 5-triphosphate nucleotidohydrolase	
AJ632831_x_at	4.4655075	c-4 sterol methyl oxidase	AJ632831
		protease inhibitor seed storage lipid transfer proteinfamily	
C8327_s_at	4.46453	protein	BP532469
C4518_s_at	4.454759	Tts-2	EB445477
C284_s_at	4.4453073	pectinesterase	EB682699
BP525705_at	4.4368167	sodium-coupled neutral amino acid transporter 5-like	BP525705
C4428_at	4.43277	xylem cysteine peptidase 2 (XCP2)	EB446243
C2992_at	4.4309373	histone h3	DV159502
TT18_E07_at	4.429156	Gibberellin-regulated GASA/GAST/Snakin family protein	
C9925_at	4.426627	at5g16250 t21h19_170	DV158606
C550_at	4.4196873	O-fucosyltransferase family protein	EB681095
DV161606_at	4.4004292		DV161606
AF211550_at	4.3778777		AF211550
TT40_H04_at	4.366116	high mobility group protein	
		protease inhibitor seed storage lipid transfer proteinfamily	
C8938_at	4.3591914	protein	BQ843013
AB102805_x_at	4.3536468	NtNRT1.1-s mRNA for nitrate transporter	AB102805
C6191_at	4.327526	sucrose synthase	EB428780
C4333_at	4.3256993	peroxidase	EB447079
BP131838_at	4.3225017	Nicotiana tabacum DNA, presumably centromeric region	BP131838
		Acidic leucine-rich nuclear phosphoprotein 32-related protein-	
EB683696_at	4.3133163	like	EB683696
C8112_at	4.302903		BP534683
C8905_at	4.300054	aspartyl protease	CN824923
C1757_x_at	4.293972	histone h3	DW002353
EB440080_x_at	4.2894692	RubisCO	EB440080
C1567_x_at	4.2781916	histone h3	DW003576
C1663_at	4.277863	mate efflux family protein	DW002928

CV019020_at	4.276555	glutaredoxin	CV019020
C4598_at	4.273016	peroxidase	EB444756
BP135456_at	4.2696977		BP135456
EB444445_at	4.2659516	purine permease	EB444445
EB433973_at	4.261259	PR-10 type pathogenesis-related protein	EB433973
EB682790_at	4.2475777		EB682790
C236_s_at	4.2468295	aquaporin PIP1;4	EB683013
		Acidic leucine-rich nuclear phosphoprotein 32-related protein-	
EB683696_s_at	4.2348733	like	EB683696
C1747_s_at	4.2231727	Arabidopsis thaliana: extensin-like protein	DW002402
C2370_at	4.219195	bidirectional sugar transporter SWEET10-like	DV998925
BP130907_at	4.195748	NAD(P)-binding Rossmann-fold superfamily protein	BP130907
GC349A_at	4.1801405	arogenate dehydrogenase isoform 2	
EB438150_at	4.171145	at1g32160 f3c3_6	EB438150
TT11_O12_at	4.169736	galactinol-sucrose galactosyltransferase 5-	
BP527757_at	4.15591		BP527757
C4438_s_at	4.1261916	Ca <sup>2+</sup> and Cu <sup>2+</sup> binding protein.	EB446159
EB429725_at	4.1036296	Carbonic anhydrase	EB429725
EB683068_at	4.1005125		EB683068
TT08_G22_s_at	4.0944605	Cupredoxin superfamily protein	
BP130591_at	4.0566545	Nicotiana tabacum mitochondrial DNA	BP130591
C10056_at	4.054505	arabinogalactan-like protein	EB450954
C1204_at	4.0453563	Ferredoxin-like protein	EB677651
C2371_s_at	4.0408797	bidirectional sugar transporter SWEET10-like	DV998924
T209_at	4.026077	Nicotiana tabacum mitochondrial DNA	
C11213_at	4.02539	aquaporin	EB429007
TT47_L06_at	4.017014	LYR family of Fe/S cluster biogenesis protein	
DW001649_at	3.988732	alpha-tubulin	DW001649
C3297_s_at	3.9881263	lamin-like protein-like	DV158056
C4022_x_at	3.985515	aquaporin	EB449084

C4145_at	3.9842587	light harvesting chlorophyll a/b-protein complex of Photosystem II (LHC II).	EB448243
C1073_s_at	3.9736876	beta-tubulin	EB678374
TT33_K04_at	3.9623713	ubiquitin-conjugating enzyme E2 23	
BP131118_at	3.9607368	Nicotiana tabacum mitochondrial DNA	BP131118
BP535422_at	3.9600534		BP535422
BP531915_at	3.9463236		BP531915
C10630_at	3.9457407	beta-amylase	EB680430
BP530528_at	3.9445436	receptor-like protein kinase THESEUS 1	BP530528
C3697_at	3.931126	Fasciclin-like arabinogalactan protein 7	EB450812
EB426338_at	3.9151876		EB426338
C6207_at	3.9046733	histone h4	EB428704
C8981_at	3.902774	atg11050-like protein	AF211666
C4435_at	3.8990107	Xyloglucan endotransglucosylase/hydrolase protein 15	EB446175
EB445873_at	3.895055	REPLICATION PROTEIN A 3B, RPA3B	EB445873
C3209_at	3.8928528	Alpha-xylosidase	DV158466
DV160049_at	3.8880572		DV160049
C10989_at	3.8875773	arabinogalactan-like protein	EB678542
C10056_s_at	3.8820267	fasciclin-like arabinogalactan-protein 9 (Fla9)	EB450954
BP130283_at	3.8813677	Nicotiana tabacum mitochondrial DNA	BP130283
BP530419_at	3.8811939	WD repeat-containing protein 76-like	BP530419
C9254_s_at	3.8758125	Avr9/Cf-9 rapidly elicited protein 284 (ACRE284)	AY220484
C5465_s_at	3.867453	light harvesting chlorophyll a/b-protein complex of Photosystem II (LHC II).	EB438710
C2942_at	3.854414	serine--glyoxylate aminotransferase	DV159782
C4928_s_at	3.8422866	secoisolariciresinol dehydrogenase-like	EB442222
DV162396_at	3.8365767	protein EXORDIUM-like 5	DV162396
EB445742_s_at	3.833084	H+/hexose cotransporter.	EB445742
BP526778_at	3.8327503	Transmembrane magnesium transporter	BP526778
C10922_at	3.8243694	annexin 4	EB425866
C3209_s_at	3.8207042	Alpha-xylosidase	DV158466

C1598_at	3.8203325	dir1 (defective in induced resistance 1) lipid binding	DW003388
C6098_at	3.812784	pirin domain protein	EB429765
CV017388_at	3.8104076	ribulose--bisphosphate carboxylase oxygenase small subunit	CV017388
C945_at	3.8094792	Aquaporin (TIP2;2)	EB679110
C6033_x_at	3.806631	18.2 kDa class I heat shock protein-like	EB430613
C4928_at	3.7987173	secoisolariciresinol dehydrogenase-like	EB442222
TT13_E17_at	3.7959435	CESTA, a positive regulator of brassinosteroid biosynthesis	
C5973_s_at	3.7950077	17.6 kDa class I heat shock protein 3	EB431324
BP533822_at	3.7869277	Drought sensitive 1, DRS 1	BP533822
C6338_s_at	3.7810714	O-fucosyltransferase family protein	EB428042
C5620_x_at	3.7807786	ribulose--bisphosphate carboxylase oxygenase small subunit	EB437085
TT28_H02_at	3.7752833	mitogen-activated protein kinase kinase kinase 3-like	
C11287_at	3.7627497	Putative inactive receptor kinase RLK902 Protease inhibitor/seed storage/lipid transfer protein (LTP) family	
C8587_at	3.7627022	protein	CV020963
EB435250_at	3.7598684		EB435250
DW001649_x_at	3.7531526	alpha-tubulin	DW001649
C4471_s_at	3.7528667	24-dehydrocholesterol reductase	EB445882
TT12_A20_at	3.7454584	acid phosphatase	
C339_at	3.7391205	L-ascorbate oxidase	EB682306
BP530217_at	3.73797		BP530217
AJ717868_at	3.735555	Nicotiana tabacum mitochondrial DNA	AJ717868
C4140_at	3.7314131	aquaporin TIP1-3-like	EB448262
C393_at	3.7231648	glutathione s-transferase	EB681909
C4622_at	3.7168498	hmg type nucleosome chromatin assembly factor d	EB444563
EB429304_at	3.7167952		EB429304
DW001791_at	3.7116196	Avr9/Cf-9 rapidly elicited protein 284 (ACRE284)	DW001791
BP532666_s_at	3.7025802	arabinogalactan peptide 14-like	BP532666
C3034_at	3.7004862	Endoxyloglucan transferase related protein	DV159267
C2350_at	3.6999261	kda heat-shock protein	DV999026

BP534286_at	3.690384		BP534286
C3427_x_at	3.6878855	low temperature and salt responsive protein Iti6b	EB452209
C8433_at	3.6832433		BP531124
EB435763_at	3.6819239	BAG family molecular chaperone regulator 6-like	EB435763
BP528038_at	3.673837		BP528038
C9325_at	3.672294	heavy-metal-associated domain-containing protein	AB032536
C3610_at	3.6667273	sugar transport protein 8-like	EB451226
C4499_at	3.65556	glutathione s-transferase	EB445649
EB677992_at	3.6521935	deoxyuridine 5-triphosphate nucleotidohydrolase	EB677992
C2925_at	3.6377914	serine--glyoxylate aminotransferase	DV159853
C6479_x_at	3.6350055	pre-mRNA-processing factor 39	EB427445
DW002056_at	3.6325128	lactoylglutathione lyase family protein glyoxalase i family protein	DW002056
EB438941_at	3.6321785		EB438941
C11348_at	3.6316442	quinolinate phosphoribosyltransferase1	CV020323
EB430973_at	3.630738	cytochrome oxidase subunit i	EB430973
C3508_at	3.6252282	MLP-like protein 28	EB451758
EB445270_at	3.6110983	splicing factor	EB445270
C6759_at	3.6082523	probable carbohydrate esterase	EB425998
C6137_x_at	3.6057084	heat shock protein 90	EB429210
EB429701_at	3.6026123		EB429701
C3102_at	3.599228	Dicarboxylate symporter, AWPM-19-like	DV158988
C9175_s_at	3.5981724	alpha-tubulin	AJ421412
X95932_s_at	3.5686417	glutamine synthetase	X95932
C9763_at	3.5657253	Pollen Ole e 1 allergen and extensin family protein	EB680840
C10695_at	3.5497768		
C6137_at	3.5284033	heat shock protein 90	EB429210
EB436375_x_at	3.5283008	alcohol dehydrogenase	EB436375
EB680862_at	3.5198457	beta-galactosidase	EB680862
EB429801_s_at	3.519417		EB429802
EB446179_at	3.5119598	Amino acid dehydrogenase family protein	EB446179

C3219_at	3.5063016	---NA---	DV158428
C5740_s_at	3.5056336	beta-amylase	EB434926
BP137081_at	3.489477	E3 ubiquitin-protein ligase COP1-like	BP137081
EB441799_at	3.4890015		EB441799
TT01_C06_at	3.4807763	alcohol dehydrogenase	
CV016014_x_at	3.4710565	putative PLA2 (F8)	CV016014
EB425818_at	3.4546947		EB425818
U92011_at	3.4543219	apocytochrome b (Complejo III)	U92011
TT40_L01_at	3.4494789	glutamyl-tRNA reductase 1	
C9254_at	3.4460328	Avr9/Cf-9 rapidly elicited protein 284 (ACRE284)	AY220484
C2681_at	3.442229	cation transmembrane transporter activity,	DV161118
BP527283_at	3.4257517	cybrid clone contig2 mitochondrion	BP527283
BP531915_x_at	3.4226677		BP531915
C6887_at	3.4187744	Cysteine/Histidine-rich C1 domain family protein	EB425344
C10717_at	3.4111257	bap2 (bon association protein 2)	
DW002945_at	3.4102852	Thionin-like protein 2-like	DW002945
C17_at	3.409568	thaumatin-like protein	EB684202
TT13_B19_at	3.403461	delta(24)-sterol reductase-like	
C7752_s_at	3.4029605	aquaporin	BP131810
TT27_L02_s_at	3.40002		
EB429951_at	3.3999565	monoglyceride lipase	EB429951
TT36_C12_at	3.397809	phosphoglycerate mutase	
C6057_at	3.397328	heat shock protein	EB430305
EB426287_at	3.3842368	ATJ8	EB426287
C11236_at	3.380741	polyamine oxidase	BP530736
TT09_K08_at	3.3747437	aldose 1-epimerase	
DW005051_at	3.3720548	disease resistance-responsive family protein	DW005051
T462_at	3.367888	contig2 mitochondrion	
AJ632772_at	3.3648534	histone h2b	AJ632772
C9778_s_at	3.347539	fasciclin-like arabinogalactan-protein 1 (Fla1)	EB441790
BP532837_at	3.3422198	Nicotiana tabacum mitochondrial DNA	BP532837



BP136522_at	3.3408546	salicylic acid-binding protein 2-like	BP136522
DW002222_at	3.336513		DW002222
BP131998_at	3.3323686	Nicotiana tabacum mitochondrial DNA	BP131998
EB679741_at	3.3151793	pectinesterase	EB679741
DV999608_at	3.3098178		DV999608
EB430151_at	3.3044946	RSH-like protein mRNA	EB430151
CV019915_x_at	3.3025281	ribulose--bisphosphate carboxylase oxygenase small subunit	CV019915
C5292_at	3.2965915	early nodulin-like protein 18	EB439830
EB451987_at	3.2938986	inositol monophosphatase	EB451987
C5740_at	3.2898035	beta-amylase	EB434926
TT10_G24_x_at	3.2810333	rac-like GTP-binding protein RHO1	
C6579_s_at	3.2798336	protein PXR1	EB426780
C5223_at	3.2792027	at1g29980 t1p2_9	EB440225
C29_x_at	3.2771082	Protein SAR8.2e	EB684133
BP133572_at	3.2748077		BP133572
BP129188_at	3.2676866	atpase subunit 8	BP129188
C2379_at	3.2628946	sterol desaturase	DV998891
EB680487_at	3.2571523		EB680487
BP530319_at	3.2525742		BP530319
C8722_at	3.2505805		CV018601
C11671_s_at	3.2496927	BYJ15. GDSL esterase/lipase	BP529892
EB450697_at	3.24719	Xyloglucan endotransglucosylase/hydrolase protein 16	EB450697
BP132781_at	3.2455204		BP132781
C5608_at	3.2446308	histone h2b	EB437324
EB430388_at	3.2394881		EB430388
C143_s_at	3.2384515	thionin-like protein 2-like	EB683582
BP135334_at	3.2379942	clone contig2 mitochondrion	BP135334
C9408_at	3.2339592	beta-glucosidase	AB017502
C4493_at	3.2309015	responsive to dehydration 22 (RD22) mediated by ABA	EB445705
C10869_at	3.2302763	lea protein	

C4100_at	3.2267761	beta-tubulin	EB448532
BP130785_at	3.2265368	zinc finger protein CONSTANS-LIKE 9-like	BP130785
BP531865_at	3.223469		BP531865
EB444021_at	3.223451		EB444021
C6142_at	3.222693	17.6 kDa class I heat shock protein 3	EB429144
EB442037_at	3.2205155		EB442037
EB447307_s_at	3.220044	transcription factor bHLH18-like	EB447307
C8806_x_at	3.215164	Arabidopsis thaliana: extensin-like protein	CV017222
BP528723_at	3.2136714	putative zinc finger protein	BP528723
C5964_at	3.2124667	SUN domain-containing protein 2-like	EB431397
BP135928_s_at	3.2013283	phospholipase a2	BP135928
C11107_at	3.190393	putative zinc finger protein	EB425338
C1287_s_at	3.189797	PAP85	EB677224
EB438078_at	3.1828718	sphingolipid delta4-desaturase	EB438078
C84_at	3.1758041		EB683863
EB679613_s_at	3.1729534		EB679613
EB447190_at	3.165534	Nicotiana tabacum mitochondrial DNA	EB447190
C8368_at	3.161642		BP531987
		Solanum lycopersicum acidic leucine-rich nuclear phosphoprotein	
EB437562_at	3.1597178	32-related protein-like	EB437562
BP130173_at	3.15441		BP130173
CV020540_at	3.1529558	Populus EST from severe drought-stressed leaves	CV020540
DW005032_at	3.1471086	3-hydroxy-3-methylglutaryl coenzyme a reductase	DW005032
C11107_x_at	3.1451128	putative zinc finger protein	EB425338
CV018410_x_at	3.1413956	Xyloglucan endotransglycosylase/hydrolase 16 protein	CV018410
C10380_at	3.1405835	protein IQ-DOMAIN 1-like	BP529397
C6175_at	3.1304312	Tunicamycin Induced 1(TIN1)	EB428874
C2351_at	3.1302521	Lhcb4.2 protein	DV999022
BP533174_at	3.1266599	ABC transporter C family member 10-like	BP533174
C8202_at	3.1229496		BP533698
EB452125_at	3.1193013		EB452125

C6033_at	3.1183066	18.2 kDa class I heat shock protein-like	EB430613
C10275_at	3.117815	ralf precursor	EB438750
EB446133_at	3.1078033	xyloglucan endotransglycosylase-related protein (XTR6)	EB446133
EB441353_at	3.1045196	Xyloglucan endotransglycosylase/hydrolase protein 15	EB441353
DV160039_at	3.1034267	RING-H2 FINGER A2A	DV160039
EB426685_at	3.1007962	potassium transporter	EB426685
DW002864_s_at	3.0988803		DW002864
C3129_at	3.0949912	histone h2b	DV158840
EB443763_at	3.0925155	CO-REGULATED WITH NYE1	EB443763
CV020902_at	3.0904586		CV020902
EB427315_at	3.0876386	malonyl-coenzyme:anthocyanin 5-O-glucoside-6"-O-malonyltransferase	EB427315
C1832_x_at	3.0874684	histone h3	DW001845
EB425329_s_at	3.0797272	Arabinogalactan protein (Agp4) gene	EB425329
EB428482_at	3.0771651	phosphatidylinositol 3- and 4-kinase family protein	EB428482
TT06_F10_at	3.07432	RING finger E3 ubiquitin ligase	
EB444587_at	3.0702715	apyrase	EB444587
C3427_at	3.0695748	low temperature and salt responsive protein lti6b	EB452209
BP132726_at	3.0656278	alpha,alpha-trehalose-phosphate synthase	BP132726
DW003765_at	3.0650165	pectinesterase inhibitor	DW003765
DW003611_s_at	3.0647612	Non-specific lipid-transfer protein 4	DW003611
EB426358_x_at	3.0635042		EB426358
C10580_at	3.058228	VQ motif-containing protein	BP530833
C3666_x_at	3.0565248	anion transporter	EB450957
DW005019_at	3.0517209	cytochrome p450	DW005019
C143_at	3.0498774	thionin-like protein 2-like	EB683582
TT22_A11_at	3.0458133		
C3129_x_at	3.038257	histone h2b	DV158840
C6208_at	3.0353787	copper amine oxidase	EB428695
EB428861_s_at	3.0329692	Fasciclin-like arabinogalactan protein 2	EB428861
EB429987_at	3.0268576	Solanum lycopersicum UDP-glycosyltransferase 73C3-like	EB429987

C1333_at	3.0254443	Non-specific lipid-transfer protein 4	DW004961
C3655_at	3.020205	Cupredoxin superfamily protein	EB451011
C3768_at	3.0175648	reticulon family protein	EB450455
EB444699_at	3.0120742		EB444699
EB425502_at	3.0109327	curculin-like (mannose-binding)	EB425502
C8427_at	3.0094125	GATA transcription factor 8-like	BP531177
EB450909_at	3.0089724		EB450909
EB427025_at	2.9929748	FAR-RED ELONGATED HYPOCOTYL 3	EB427025
C8967_at	2.992787	Chlorophyll a/b-binding protein (Cab-E) gen	BU673941
C3063_at	2.9896634	auxin-responsive gh3 family protein	DV159167
C5123_at	2.9852319	Aldose 1-epimerase	EB440905
EB426609_at	2.9838595	expansin	EB426609
C9696_s_at	2.9830983	nucleotide-rhamnose synthase/epimerase-reductase (NRS/ER)	
C5161_at	2.982453	beta-tubulin	EB440618
EB430921_at	2.9806242	beta-glucosidase 40-like	EB430921
C1014_at	2.96923	Glycoprotein membrane precursor GPI-anchored	EB678737
BP533280_at	2.9566488		BP533280
C4002_at	2.9499679	dna-cytosine methyltransferase DAD1-LIKE LIPASE 1, DALL1, PHOSPHOLIPASE A I BETA 2, PLA-I{BETA}2	EB449212
C1432_at	2.9467545		DW004396
C8591_x_at	2.942751	histone h2a	CV020896
DW004594_at	2.940311		DW004594
C8093_at	2.939058		BP534994
C8186_x_at	2.9328783	histone h2a	BP533938
EB683428_at	2.9309444		EB683428
EB450697_x_at	2.9291244	Xyloglucan endotransglucosylase/hydrolase protein 16	EB450697
C4159_at	2.9139032	Major facilitator superfamily protein	EB448147
C1571_at	2.913742	auxin-repressed protein	DW003556
BP528855_at	2.9121404	importin alpha-like protein	BP528855
DV159578_at	2.9100218		DV159578
CV016811_s_at	2.9050984		CV016811
C5438_at	2.9024558	Protein SPIRAL1-like 2	EB438891

C1707_at	2.9007273	G-type lectin S-receptor-like serine/threonine-protein kinase	DW002667
AJ632865_at	2.8998342		AJ632865
C11473_at	2.8984232	ATNTT2	EB681849
C6479_at	2.8963165	pre-mRNA-processing factor 39	EB427445
BP526975_at	2.894458	BRO1 domain-containing protein BROX homolog	BP526975
EB424775_at	2.8925328	beta-glucosidase	EB424775
C9631_at	2.8872542	at1g29980 t1p2_9	EB450805
CV021518_at	2.8845086		CV021518
C6120_s_at	2.879238	cytochrome b6f complex subunit	EB429486
BP533566_at	2.8756895		BP533566
C772_at	2.873824	heat shock protein (TFHS1)	EB679970
AF211615_at	2.8724496		AF211615
BP137140_at	2.8721302	dihydroflavonol-4-reductase	BP137140
EB430960_x_at	2.8702564		EB430960
C6521_at	2.8667548		EB427221
EB680189_s_at	2.8654187	anion transporter	EB680189
BP528207_at	2.864147	Predicted GPI-anchored protein	BP528207
C8378_at	2.8528137	minichromosome maintenance deficient protein 5	BP531871
TT02_M21_at	2.8524387	dioxygenase	
BP129944_at	2.8439605		BP129944
C8630_x_at	2.8429747	photosystem i reaction center subunit iii	CV020176
C9878_at	2.8406105	Cyclin-U2-2	
TT07_I14_at	2.8396883		
EB448560_at	2.8375144	reticulon-like protein B2-like	EB448560
C6835_at	2.8353014	polygalacturonase inhibitor protein	EB425603
CV020499_at	2.8313918	defensin-like	CV020499
BP129346_at	2.8310702		BP129346
BP532726_at	2.8306243	mob1 phocein family protein	BP532726
C1816_at	2.827955	sah7 protein Allergen-like protein BRSn20	DW001917
CV020327_at	2.824223		CV020327
EB444997_at	2.822268	EXORDIUM like 3 (EXL3)	EB444997
C618_at	2.8199115	alpha-1,4-glucan-protein synthase	EB680742

EB448049_at	2.8103166	basic helix-loop-helixfamily protein	EB448049
TT05_A02_at	2.8071153	abc transporter related	
BP534336_at	2.8070133	probable peroxidase 61-like	BP534336
TT01_D03_at	2.8061843	leucine zipper class I (HD-Zip I) protein	
C6171_at	2.8054032	pectinesterase	EB428898
EB425593_at	2.803601		EB425593
C4733_at	2.803261		EB443447
C9469_s_at	2.7978323	sterol-C24-methyltransferases involved in sterol biosynthesis Solanum lycopersicum glucan endo-1,3-beta-glucosidase-like	U71108
BP532244_at	2.7968423	protein 2-like	BP532244
EB444453_at	2.796203		EB444453
C9631_s_at	2.794308	at1g29980 t1p2_9	EB450805
BP535402_at	2.7929196		BP535402
C9867_at	2.7884881	histone h4	CV018874
TT47_K08_at	2.7857711	xyloglucan glycosyltransferase 12	
C889_at	2.7853484	heavy-metal-associated domain-containing protein	EB679412
TT37_N15_at	2.7831187	DDR GK domain-containing protein 1	
C9290_s_at	2.78212	PAR1 protein	AB041515
BP530217_x_at	2.7744436		BP530217
TT39_L01_at	2.77391	cytochrome p450 ABA 8'-hydroxylase activity	
BP527816_at	2.7734635	Cyclin-dependent kinase B1-1 (CdkB1-1)	BP527816
EB449260_at	2.772755	bidirectional sugar transporter SWEET2a-like	EB449260
BP137183_at	2.7683935	Chromatin Assembly Factor-1 (CAF-1) p150 subunit	BP137183
EB444345_at	2.7667181	cytochrome p450 CYP82E5v2	EB444345
EB446986_s_at	2.757882		EB446986
EB444168_at	2.7556412	pathogenesis-related protein	EB444168
BP532057_at	2.751732		BP532057
CV018410_at	2.7463086	Xyloglucan endotransglycosylase/hydrolase 16 protein mannosyl (beta--)-glycoprotein beta--n-	CV018410
EB428418_at	2.745245	acetylglucosaminyltransferase Solanum tuberosum isolate Ta apoplatic invertase (InvGE)	EB428418
EB427127_at	2.7449234	mRNA	EB427127

EB683445_at	2.7435656	RIP4 (ROP interactive partner 4)	EB683445
BP535164_at	2.7426326	glutathione s-transferase	BP535164
C9267_at	2.7397118	Alpha-expansin precursor (Nt-EXPA5) mRNA	AF049354
C11223_s_at	2.7373004	indoleacetic acid-induced-like protein	EB425491
C5138_at	2.7364912	beta-tubulin	EB440801
EB444719_x_at	2.7363908	chaperone protein dnaJ 8	EB444719
C5586_x_at	2.7363453	photosystem i reaction center subunit ii	EB437940
C6104_at	2.7330744		EB429666
EB440049_at	2.729816		EB440049
DV162406_at	2.7265377	L-ascorbate oxidase	DV162406
C1833_at	2.725235	gamma-glutamylcyclotransferase	DW001833
C577_s_at	2.7233937	UDP-D-apiose/UPD-D-xylose synthetase	EB680941
TT12_E23_at	2.719395	homeobox-leucine zipper protein ATHB-52-like	
C4592_at	2.716506		EB444810
DW000165_at	2.7144115	Protein kinase superfamily protein	DW000165
GC171_at	2.7129307	putative hydrolase	
C970_at	2.7104294	thaumatin-like protein	EB678972
TT16_G03_at	2.7095633		
CV017545_x_at	2.7070236	cytochrome b6f complex subunit	CV017545
TT31_A15_at	2.704065	Cystathionine beta-synthase	
C426_s_at	2.701023	Pollen Ole e 1 allergen and extensin family protein	EB681729
C8168_at	2.69799	deoxyuridine 5-triphosphate nucleotidohydrolase	BP534073
TT26_K14_x_at	2.6941903	lysine-rich arabinogalactan protein 18	
AJ632831_at	2.6910763	c-4 sterol methyl oxidase	AJ632831
BP529266_at	2.6814582	arginine decarboxylase	BP529266
C3697_s_at	2.6804476	Fasciclin-like arabinogalactan protein 7	EB450812
C10652_at	2.6799076		AJ717993
TT08_O20_at	2.6777074	denticleless protein homolog A-like	
C2320_s_at	2.6769733	beta-tubulin	DV999201
C3356_at	2.675887	group 3 late embryogenesis abundant protein	DV157779
C10550_at	2.6724613	fructose-bisphosphate aldolase	DV998904

EB438874_at	2.6721904	auxin response factor 17	EB438874
C8186_at	2.6708322	histone h2a	BP533938
C3666_at	2.6704025	anion transporter	EB450957
BP134949_at	2.6701078		BP134949
C5334_at	2.66397	glycosyl hydrolase 9B5 (GH9B5)	EB439541
EB677954_at	2.6630404	endo-1,4-b-glucanases. KOR3	EB677954
C3305_x_at	2.6587255	Major chlorophyll a/b binding protein	DV157992
CV020054_at	2.658568		CV020054
BP132194_at	2.6571496	mitochondrion	BP132194
C4396_at	2.6520832	Lipase/lipoxygenase	EB446587
TT24_F01_at	2.6507633	Tunicamycin Induced 1(TIN1)	
CV020870_at	2.645683	pollen-specific protein SF3-like	CV020870
C2981_at	2.6450064	phospho-2-dehydro-3-deoxyheptonate aldolase	DV159574
C1903_at	2.643341	cytochrome p450	DW001428
C1241_s_at	2.642931	Glycine-rich protein / oleosin	EB677486
C3684_at	2.6422322	PLAC8 family protein	EB450858
C7594_at	2.6408064		BP134549
EB432292_at	2.6396062		EB432292
C3850_at	2.6392062	Alpha-xylosidase	EB449967
C10208_s_at	2.6383967		AJ718364
EB435006_at	2.6318645		EB435006
TT14_G23_at	2.6304588	gdp-mannose-dehydratase	
CV021327_s_at	2.6270785		CV021327
C3863_at	2.6254492	RAFFINOSE SYNTHASE	EB449916
EB445679_at	2.6232624		EB445679
TT16_N05_at	2.6139083	abscisic acid and environmental stress-inducible protein TAS14	
C461_at	2.613885	arabinogalactan peptide 13	EB681554
EB448560_x_at	2.6089575	reticulon-like protein B2-like	EB448560
TT10_I10_at	2.607501	protein LE25-like	
C1513_at	2.6069636	---NA---	DW003959
C5247_x_at	2.6058476	EXORDIUM (EXO)	EB440089
C10311_s_at	2.5936048	DREB subfamily A-1 of ERF/AP2 transcription factor family (DDF1)	



C9580_s_at	2.5833304	arabinogalactan peptide 22-like	CV021808
TT02_B09_at	2.580613		
C3002_at	2.579706	cellulose synthase	DV159432
BP529302_at	2.5777426	RING/U-box superfamily protein	BP529302
EB445696_at	2.574082		EB445696
EB683238_at	2.5737095	SPL1, SQUAMOSA PROMOTER BINDING PROTEIN-LIKE 1	EB683238
BP135237_at	2.5637004		BP135237
TT33_J09_at	2.5627644	PCI domain-containing protein 2	
BP530990_at	2.562279	transcription factor MYB44-like	BP530990
EB432848_at	2.5590925	catalase 3 (cat3 gene)	EB432848
TT29_C02_at	2.551446	member of the MATH-BTB domain proteins (BPMs)	
C6369_at	2.550311	histone h2b	EB427933
BC2M412_s_at	2.5500345	mrp-like abc transporter	AJ538516
EB683334_at	2.547394	KELCH REPEAT F-BOX 1	EB683334
C4774_at	2.5455806	cold acclimation protein cor413-pm1 cellulose synthase-likeglycosyltransferase family 2 protein	EB443262
C3507_at	2.5450897	mannan synthase	EB451763
C9719_at	2.5431993		
BP136444_at	2.542415	E3 ubiquitin-protein ligase UPL2-like	BP136444
EB443226_x_at	2.5391273	Germin-like protein subfamily	EB443226
C9556_at	2.5372984	leucine-rich repeat extensin-like protein 6	EB450797
BP533879_at	2.5360353	gpi-anchored protein	BP533879
C4788_at	2.5347126	polyphenol oxidase mRNA	EB443186
C4236_at	2.5306644	sah7 protein Allergen-like protein BRSn20	EB447745
C10021_at	2.5277126	peroxidase	AB044153
DW003542_at	2.524484	amino acid transporter family protein	DW003542
C10614_at	2.5233362	RAPID ALKALINIZATION FACTOR 23	EB433612
C7027_at	2.5228384	Transcription factor bHLH25	AB204829
CV019787_x_at	2.5220037		CV019787
C11111_at	2.5154803	GDSL esterase/lipase	DW004277
TT31_D19_at	2.5152578	Glycolipid transfer protein (GLTP) family protein	

EB443689_at	2.513208	MAPK mRNA for MAP kinase homolog	EB443669
AB119475_at	2.5121202	general regulatory factor-14-3-3 protein	AB119475
C3986_at	2.5100193	Fasciclin-like arabinogalactan protein 7	EB449306
TT31_M04_at	2.5091007	putative glycosyltransferase 5	
DW003963_at	2.5081522	transferase family protein	DW003963
EB449858_at	2.5079267	PTI1-like tyrosine-protein kinase 3	EB449858
C8442_at	2.5062528	Disease resistance-responsive (dirigent-like protein)	BP531053
EB678892_at	2.502252	ARF-like GTPase family	EB678892
C3748_x_at	2.5002363	O-methyltransferase-like protein	EB450534
C6453_at	2.497909	lil3 protein Chlorophyll A-B binding family protein	EB427585
C4686_at	2.496984	polygalacturonase	EB443890
C5458_at	2.4925225	burp domain-containing protein	EB438772
C2303_at	2.4893353	NOD26-like intrinsic protein 4;2 (NIP4;2)	DV999288
CK720588_at	2.4890938	aquaporin z	CK720588
C7871_at	2.4810803	glycerophosphodiester phosphodiesterase GDE1-like	BP129801
C3094_at	2.476081	Tts-2	DV159040
C10377_at	2.4759693		EB435716
C7465_at	2.475333	Adenine nucleotide alpha hydrolases-like superfamily protein;	BP136279
C830_at	2.4726818	HSP101	EB679742
C10777_at	2.4725077		
C10021_s_at	2.4712136	peroxidase	AB044153
TT11_C21_at	2.4705095	histidine-containing phosphotransfer protein	
CV017264_at	2.4692438		CV017264
CV020165_at	2.4646068	UDP-glucuronate 4-epimerase 1-like	CV020165
C2485_x_at	2.4608648	dirigent protein 22-like	DV162317
EB679943_at	2.4590456	DREB subfamily A-1 of ERF/AP2 transcription factor family (CBF4)	EB679943
EB446638_at	2.4574964	reticuline oxidase-like	EB446638
C6482_at	2.4569538		EB427435
C7998_at	2.4562063	ALUMINUM SENSITIVE 3	BP128380
C6135_at	2.4525785	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein	EB429232

DV159109_at	2.4512184	glycine-rich protein / oleosin	DV159109
EB680020_at	2.450978	H+/hexose cotransporter.	EB680020
BP531100_at	2.4474437	receptor serine threonine kinase pr5k	BP531100
C11697_at	2.4441743	Gag-Pol polyprotein	BQ843094
EB450537_at	2.4441214		EB450537
EB445734_at	2.4361937		EB445734
C10699_at	2.4323623	beta-glucosidase	
TT20_C10_at	2.431623		
EB447050_at	2.427951	Nicotiana tabacum mitochondrial DNA	EB447050
TT12_C11_at	2.4242995	F-box associated ubiquitination effector family protein	
BP535253_at	2.4227307	PRKR-interacting protein 1	BP535253
C10564_at	2.4216967	solute carrier family member f2	BP532690
CV016003_at	2.4197516		CV016003
EB445915_s_at	2.4160926		EB445915
TT04_A03_s_at	2.4150987	FASCICLIN-like arabinogalactan protein 16 precursor (FLA16)	
C9329_at	2.4116125	3-hydroxy-3-methylglutaryl-coenzyme a reductase	AF004233
C600_s_at	2.4110887	VQ motif-containing protein	EB680831
C2898_at	2.4103303	fructose--bisphosphatase	DV159973
CV017311_x_at	2.4058921	Endochitinase	CV017311
T121_at	2.401075	probable peroxidase 61	
TT29_C04_s_at	2.3995383	14-3-3 protein DNA regulatory element	
CV016523_at	2.398156	UDP-D-apiose/UDP-D-xylose synthase	CV016523
BP533582_at	2.39768	Aspartyl protease-like protein	BP533582
C5711_at	2.3975754	GDP-D-mannose pyrophosphorylase	EB435299
C7827_at	2.3961883	Ergosterol biosynthetic protein 28-like	BP130565
C6_s_at	2.3958468	aaa-type atpase family protein	EB684250
C5074_at	2.394251	subtilase family protein	EB441234
C116_s_at	2.3938842	acid phosphatase	EB683692
C4608_x_at	2.393429	pathogenesis-related protein 1	EB444675
EB679262_x_at	2.3930066	heat shock protein	EB679262
C10063_at	2.391722	polygalacturonase	EB441834

C9022_x_at	2.3895626	high affinity nitrate transporter	AJ718359
C428_at	2.3891714		EB681726
DW002020_at	2.3884962	peroxidase	DW002020
AF211628_at	2.386516	ARM repeat superfamily protein	AF211628
CV018348_x_at	2.385282	cation transport regulator-like protein 2	CV018348
C6194_at	2.383249	beta--glucanase	EB428765
C4350_at	2.382131		EB446989
BP137193_at	2.3798485		BP137193
EB442025_at	2.3792748		EB442025
CV019986_s_at	2.3781486		CV019986
BP132583_at	2.374868		BP132583
C9867_x_at	2.3742185	histone h4	CV018874
C8875_at	2.368082	Protein SPIRAL1-like 2	CV016078
CV015963_s_at	2.3660557	Thionin-like protein 2-like	CV015963
EB428741_at	2.360035	Nicotiana tabacum mitochondrial DNA	EB428741
BP134118_at	2.3582976		BP134118
C8966_at	2.357249	aspartyl protease family protein	BU673942
TT27_D05_at	2.3562322		
TT16_O05_x_at	2.3562148	Ethylene-responsive transcription factor ERF109	
TT35_F08_at	2.3557453	zinc finger BED domain-containing protein DAYSLEEPER-like	
C10839_at	2.353259	MEMBRANE TRYPTOPHAN-RICH SENSORY PROTEIN	EB677368
C9335_at	2.3526127	PHOSPHATE TRANSPORTER 2	AB020061
C3223_at	2.3526065	beta-glucosidase	DV158410
CV017750_at	2.352599	pathogenesis-related protein	CV017750
C2437_at	2.3521516	Lipase/lipoxygenase	DV162595
BP531246_at	2.3518994		BP531247
C3748_at	2.351512	O-methyltransferase-like protein	EB450534
C8349_at	2.3479142		BP532225
C11171_at	2.3388245	Nucleoside diphosphate kinase family protein	EB424790
C3510_s_at	2.3377314	Lipase/lipoxygenase	EB451748
C11095_at	2.3360436	Transmembrane amino acid transporter family protein	

EB439258_at	2.333292	h-protein promoter binding factor-2a	EB439258
TT49_O07_at	2.3315847		
BP531362_at	2.3306582	PD beta-1,3-glucanase 2	BP531362
C4654_at	2.3304095		EB444275
C6648_at	2.3303332	pyruvate decarboxylase	EB426468
TT19_B11_at	2.3277335	50s ribosomal protein l16	
EB426342_at	2.3232574	carotenoid oxygenase	EB426342
C5069_s_at	2.3230844	polygalacturonase isoenzyme 1 beta subunit	EB441302
C6991_at	2.3212507	maternal effect embryo arrest 66	EB424810
BP132583_x_at	2.3206987		BP132583
CV019239_at	2.3202612	metallothionein-like protein type 2	CV019239
DW003900_at	2.3200555	protein transport protein sec13	DW003900
C6195_s_at	2.3185472	polygalacturonase	EB428764
C10103_s_at	2.316372		CV017688
C792_at	2.3143556	Regulator of chromosome condensation (RCC1)	EB679895
EB441102_at	2.3139317	ATP binding microtubule motor family protein	EB441102
TT39_G06_s_at	2.3134038	transmembrane protein 87a	
C9526_at	2.3123937	Cyclin-U3-1	EB424703
EB430306_s_at	2.3121183	heat shock protein 90	EB430306
C6338_at	2.3115585	O-fucosyltransferase family protein	EB428042
TT08_C20_x_at	2.311283		
C1695_at	2.3090696	phosphoenolpyruvate carboxylase	DW002735
BP131108_at	2.3058484	indole-3-acetic acid-induced protein ARG2-like	BP131108
C4720_at	2.304888	transcription factor PCL1-like	EB443578
EB447210_at	2.298848		EB447210
BP526943_at	2.298672	contig2 mitochondrion	BP526943
EB679262_at	2.296411	heat shock protein	EB679262
C9779_s_at	2.292525	RAPID ALKALINIZATION FACTOR 23	DV161115
BP134834_at	2.2904015		BP134834
C1777_at	2.288922	V-type ATPase	DW002174
TT29_D17_at	2.2865102	Polynucleotidyl transferase, ribonuclease H-like superfamily protein	
C8479_at	2.2862742	26S ribosomal RNA gene	BP530688

TT05_G18_s_at	2.2859		
C8591_s_at	2.2780178	histone h2a	CV020896
BP530887_at	2.2774026		BP530887
BP533468_at	2.2760293	trichome birefringence-like 12	BP533468
C2075_s_at	2.2759488	aquaporin PIP1;4	DW000449
AJ717866_x_at	2.27544		AJ717866
TT08_C20_at	2.274385		
C9113_at	2.2724543	plasma membrane h <sup>+</sup> -atpase	AY383599
BP532780_at	2.272422		BP532780
DV999585_at	2.2701807	Protein phosphatase 2C family protein	DV999585
TT34_P11_s_at	2.2674007	probable methyltransferase PMT20	
BP527942_at	2.2661438	E3 ubiquitin-protein ligase Praja-2	BP527942
BP531161_at	2.2658417	actin	BP531161
C5041_at	2.264855	UDP-glucuronate 4-epimerase 6-like	EB441463
C8810_x_at	2.2626235		CV017149
C4903_at	2.2613358	Protein kinase superfamily protein	EB442435
DV159808_at	2.2597122	at1g29980 t1p2_9	DV159808
D89635_at	2.259639	cyclin b2	D89635
C4870_at	2.259238	carotenoid oxygenase	EB442649
AY775043_at	2.2589302	Avr9/Cf-9 rapidly elicited protein 197 (ACRE197)	AY775043
BP531347_at	2.258255	syntaxin-related protein KNOLLE-like	BP531347
C778_s_at	2.2560337	ARF-like GTPase family	EB679955
TT19_J04_at	2.2558904	pectinesterase	
C4592_x_at	2.2543464		EB444810
C1786_at	2.2527752	papain-like cysteine peptidase	DW002090
BP527231_at	2.2494292	BTB/POZ and TAZ domain-containing protein 4-like	BP527231
BP533476_at	2.2441208		BP533476
C9116_s_at	2.2438185	peroxidase	AB044154
DV999427_at	2.240181	calmodulin	DV999427
C11523_at	2.2401633		
C1230_s_at	2.2378743	alpha-tubulin	EB677530

C1821_at	2.236873	nadh:flavin oxidoreductase nadh oxidase	DW001895
C6231_at	2.234625	heat shock protein 90	EB428595
AJ718659_x_at	2.2344182	proline-rich receptor-like protein kinase PERK12	AJ718659
BP128824_s_at	2.2304783	sucrose synthase	BP128824
DW004346_at	2.229842	transcription factor MYB44	DW004346
BP532052_at	2.229564	26s protease regulatory subunit s10b	BP532052
C4442_s_at	2.2288487	extensin-2-like	EB446125
DW004363_at	2.2283115	protein phosphatase 2c-related pp2c-related	DW004363
BP135090_at	2.2275805		BP135090
EB425788_s_at	2.2265997		EB425788
EB451261_s_at	2.2261798	sphingolipid delta4-desaturase	EB451261
C3844_at	2.2256296	hydroxyproline-rich glycoprotein family protein	EB449990
C6561_at	2.220468	pectinesterase	EB426946
DW002753_at	2.2197237	serine/threonine-protein kinase HT1-like	DW002753
EB440252_at	2.2178614		EB440252
CV018020_x_at	2.2159512	lipoygenase homology domain-containing protein 1-like	CV018020
EB441635_at	2.2099488	proline-rich spliceosome-associated (PSP) family protein	EB441635
C10183_at	2.207362	ralf precursor	AF407278
TT02_G02_at	2.20623	rapid alkalinization factor	
CV016096_x_at	2.2031927	heat shock protein 70	CV016096
BP526596_at	2.202588		BP526596
C10742_at	2.2005677		
C10208_at	2.2005587		AJ718364
EB431374_at	2.200467	peroxisome biogenesis factor 10-like	EB431374
BP528691_at	2.1991851		BP528691
TT32_D08_at	2.1988363		
BP135799_at	2.1909585	syntaxin-related protein KNOLLE-like	BP135799
C8680_x_at	2.1877058	photosystem i subunit o	CV019182
BP136312_at	2.1853237	putative F-box protein At3g10430	BP136312
DV162146_at	2.1846812	cytochrome p450	DV162146
C3504_at	2.1843538	Lipase/lipoxygenase	EB451786
TT27_B09_at	2.1817625	TRAF-like superfamily protei	

BP130906_at	2.179491		BP130906
C7135_at	2.1792197	protein RALF-like 27	BP528788
C9289_s_at	2.1775293	beta--glucanase	AB050628
EB448089_at	2.1772273	family 8 glycosyl transferase	EB448089
C3250_at	2.176521	Lipase/lipoxygenase heavy-metal-associated domain-containing protein copper chaperone-related	DV158275
DW002621_at	2.175729		DW002621
TT11_N13_at	2.1754746		
C1391_at	2.1750743	Lipase/lipoxygenase	DW004604
TT29_J08_at	2.173917	protein oxidoreductase activity, acting on the CH-CH group of donors	
C5445_at	2.1738808		EB438831
C8792_s_at	2.1721585	psi-h precursor	CV017534
TT27_P15_x_at	2.169762	DVL11	
C6513_s_at	2.1680107	Major facilitator superfamily protein	EB427248
EB643472_at	2.1671593	transcription factor MYB57-like	EB643472
X98492_at	2.1658192	1-aminocyclopropane-1-carboxylate synthase	X98492
BP534778_at	2.165545	AUXIN RESPONSE 4-like	BP534778
EB448396_at	2.1652458		EB448396
DW001236_at	2.1651616		DW001236
DV160721_at	2.1644325	vacuolar atp synthase 16 kda proteolipid subunit	DV160721
BP134517_at	2.1642616	Lipase/lipoxygenase, PLAT/LH2 family protein	BP134517
BP129249_at	2.1630285		BP129249
EB426410_at	2.1624246	transcription factor: R2R3-MYB transcription family	EB426410
CV020386_s_at	2.161906	lipoxygenase homology domain-containing protein 1-like	CV020386
BP535076_x_at	2.1611714	heat shock cognate protein 80-like	BP535076
C5247_at	2.160503	EXORDIUM (EXO)	EB440089
C6418_at	2.1600533	udp-glucose 6-dehydrogenase	EB427755
TT07_N11_at	2.1593153	ABC1-like kinase that regulates vitamin E metabolism.	
TT19_G11_at	2.1571026	thaumatin-like protein	
C9474_at	2.1561277	elongation factor 1-alpha	D63396
EB681922_at	2.1556227		EB681922



DW004369_s_at	2.1554112		DW004369
TT41_D01_at	2.154585		
C5735_s_at	2.1535225	quinone oxidoreductase	EB435040
EB439719_at	2.150308	zinc finger (mynd type) family protein f-box family protein	EB439719
TT15_E21_at	2.1477582	Concanavalin A-like lectin protein kinase family protein	
C1519_at	2.143471		DW003933
CV019787_at	2.1419923		CV019787
AF057372_at	2.1409843		AF057372
CV017971_at	2.1399364	ribulose--bisphosphate carboxylase oxygenase small subunit	CV017971
C5753_at	2.1377642		EB434598
C1816_s_at	2.1369877	sah7 protein Allergen-like protein BRSn20	DW001917
TT31_B21_at	2.1369722		
BP134691_at	2.1351893	transcription factor IIIB 70 kDa subunit	BP134691
C5813_s_at	2.1297817	heat shock protein 101	EB433301
C9854_at	2.1290038	atp synthase subunit h family protein	EB445447
C4815_at	2.1289256	eburicol 14 alpha-demethylase	EB443002
EB433828_at	2.127616	pectinesterase	EB433828
EB446467_at	2.1271539	nucleotide pyrophosphatase/phosphodiesterase	EB446467
DW004481_at	2.1265574		DW004481
TT18_D21_at	2.1261125	quinone oxidoreductase-like protein	
EB451887_at	2.1250331	myb family transcription factor	EB451887
AJ718431_x_at	2.124916	serine/threonine-protein kinase kinX	AJ718431
C11494_at	2.1244287	Gibberellin-regulated family protein	BP532014
BP135943_at	2.123961	AP4.3A, L-TYPE LECTIN RECEPTOR KINASE S.2	BP135943
C116_at	2.123765	acid phosphatase	EB683692
CV017152_at	2.1234963		CV017152
DV999822_at	2.121734	Calcium-binding EF-hand family protein	DV999822
C6117_at	2.119893	heat shock protein	EB429529
C2065_at	2.1188717	CLV3 PEPTIDE INSENSITIVE 1	DW000513
C1352_s_at	2.1160657	Fasciclin-like arabinogalactan protein 17-like	DW004880
AF154658_s_at	2.115251	ribose 5-phosphate isomerase	AF154658

C1845_at	2.1138048	family 8 glycosyl transferase	DW001746
C5098_at	2.1134639	monocopper oxidase-like protein SKU5-like	EB441064
EB447502_at	2.1098924	at1g29980 t1p2_9	EB447502
C1761_at	2.1077585		DW002345
C6138_at	2.1071503	Centromeric region	EB429197
AJ496227_at	2.1063998	rho gtpase	AJ496227
TT36_A01_at	2.106104	Plastidic SufC-like ATP-binding cassette/ATPase	
BC4M2425_at	2.1059902		AJ538693
CV020390_x_at	2.10519	dammarenediol 12-hydroxylase-like	CV020390
C10130_at	2.1043968	cysteine proteinase inhibitor b (cystatin b)	
TT14_A22_at	2.1039412	chloroplast omega-6 fatty acid desaturase	
EB449348_at	2.1038487		EB449348
BP526843_at	2.103776		BP526843
BP527224_at	2.1037614	Cu/Zn-superoxide dismutase	BP527224
TT13_L17_at	2.1033723	cxe carboxylesterase	
AF213695_at	2.1019826	Poly-L-proline-containing (PLP)	AF213695
TT16_N24_at	2.101359	zinc finger BED domain-containing protein RICESLEEPER 4-like	
BP130038_x_at	2.1005976		BP130038
DW001136_at	2.0987		DW001136
C5249_at	2.0978572		EB440076
TT33_M16_at	2.096492		
EB677884_s_at	2.096321	serine carboxypeptidase-like 42	EB677884
BC2M1333_at	2.0956469	lysophospholipase-like protein	AJ538460
DW002099_at	2.0953927		DW002099
BP531395_at	2.0949378		BP531395
AW351426_at	2.0935516	pectinesterase	AW351426
C1426_at	2.0915391	Ntlim1 mRNA for transcription factor LIM	DW004416
C7670_at	2.0905776		BP133449
C11525_at	2.090382	beta-galactosidase	CV021346
C2292_at	2.0898838	s-phase kinase-associated protein 1a	DV999342
CV021558_at	2.0858388		CV021558
C673_at	2.0835726	1-deoxy-d-xylulose 5-phosphate reductoisomerase	EB680421

C2934_at	2.083295	aquaporin	DV159802
EB436547_at	2.0819957	af369930_2pol polyprotein	EB436547
TT22_H04_at	2.0814326	RIP4 (ROP interactive partner 4)	
C4956_at	2.080922	nad-dependent epimerase dehydratase	EB442043
U91562_x_at	2.0808852	beta-tubulin	U91562
DV161958_at	2.080356	ARM repeat superfamily protein	DV161958
X63106_at	2.080261	heat shock protein 70	X63106
C7906_at	2.0800004	glycogenin glucosyltransferase-related	BP129329
CV021154_x_at	2.0791717	low-temperature-induced cysteine proteinase-like	CV021154
EB427118_at	2.0782094	cell-wall invertase	EB427118
DW003753_at	2.077722	O-Glycosyl hydrolases family 17 protein	DW003753
C7574_at	2.0756133	SPL1, SQUAMOSA PROMOTER BINDING PROTEIN-LIKE 1	BP134721
CV021572_s_at	2.0704248		CV021572
C6231_x_at	2.0701456	heat shock protein 90	EB428595
C8036_at	2.069458	high mobility group B protein 6-like	AJ632761
DV161477_s_at	2.0644255	sugar transporter	DV161477
C8744_at	2.064232		CV018301
BP136441_at	2.0641325	TRAF-like superfamily protein	BP136441
TT20_K09_at	2.06091		
TT31_A10_at	2.0605197		
C6640_s_at	2.060003	EXORDIUM like 3 (EXL3)	EB426501
BP527973_at	2.0599458	G protein-coupled receptor-like protein	BP527973
CN498804_at	2.0594304	heat shock protein 70	CN498804
TT29_I03_at	2.05866	calcineurin-like phosphoesterase family protein	
C11035_at	2.0585492	nitric oxide synthase interacting protein	BP129459
C10917_at	2.0560298	Lipase/lipooxygenase, PLAT	BP132875
C9683_at	2.0544083	calmodulin	DV999801
C11335_at	2.0542705	amino acid permease-like protein	EB433607
C7127_at	2.0530853	protein	BP528912
C10760_at	2.0506592	at3g07470 f21o3_18	
EB679855_at	2.050328	sulfate transporter	EB679855
C3141_at	2.0497065	transferring glycosyl groups	DV158792

DW004733_s_at	2.0494175	Chromatin modification-related protein EAF6	DW004733
C9993_at	2.0457366	late embryogenesis abundant like protein	EB678837
C1665_at	2.043918	haloacid dehalogenase-like hydrolase family protein	DW002916
DV159108_at	2.0429056	Triacylglycerol lipase 2	DV159108
C9630_s_at	2.0421824	Methionine rich arabinogalactan	DV999414
C384_x_at	2.0420606	DNA-DAMAGE-REPAIR/TOLERATION PROTEIN 112	EB681958
CV016353_s_at	2.0409012	non-specific lipid-transfer protein 2-like	CV016353
EB684044_at	2.0405684	Probable methyltransferase PMT15	EB684044
EB446717_at	2.0397873	beta-glucosidase	EB446717
DV999563_s_at	2.0388265	sucrose accumulator	DV999563
EB679470_at	2.0376694	mgc88948 protein	EB679470
CV021258_at	2.0371277	photosystem i reaction center protein subunit xi	CV021258
C10967_at	2.0367134	expansin	DW003498
TT05_F19_at	2.035824	transcription factor MYB86-like	
EB441710_s_at	2.0347173		EB441710
DV160060_at	2.0336797	Putative GEM-like protein 8	DV160060
BP133191_at	2.033637	dof zinc finger protein	BP133191
C595_s_at	2.0331357	riboflavin synthase subunit alpha	EB680853
BP131621_at	2.031571	ran guanine nucleotide release factor	BP131621
C570_s_at	2.031219	extracellular calcium sensing receptor	EB680965
		protease inhibitor seed storage lipid transfer proteinfamily	
C9459_x_at	2.0290167	protein	AF043555
DV160074_at	2.0285666	integral membrane family protein	DV160074
GC220_at	2.0267413	mitochondrial DNA	
BP529718_at	2.0250928	protein SMG7-like	BP529718
C3649_at	2.025044	lea protein	EB451034
BC2M412_at	2.0242577	mrp-like abc transporter	AJ538516
C5760_s_at	2.023394	GHS1 encodes plastid ribosomal protein S21	EB434456
EB447268_at	2.022322	sugar transporter	EB447268
BP531076_at	2.0219343	arginine decarboxylase 2 (ADC2)	BP531076
BP533958_at	2.0218475	ARM repeat superfamily protein	BP533958
CV018643_s_at	2.0214097	probable methyltransferase PMT20	CV018643

EB426655_at	2.021215		EB426655
BP132818_at	2.0208323	Glucan endo-1,3-beta-glucosidase B	BP132818
BP533848_at	2.0195372	membrane-associated kinase regulator	BP533848
C4711_s_at	2.0191162	phosphoenolpyruvate carboxylase kinase	EB443661
TT25_A04_at	2.017196		
BP528607_at	2.0170968	epoxide hydrolase	BP528607
EB438685_at	2.017045	gpi-anchored protein	EB438685
C1568_at	2.016813	heat shock protein	DW003565
BP530824_at	2.0166478		BP530824
TT40_A18_at	2.0160432		
C729_at	2.0145905	xanthine uracil vitamin c permease	EB680157
C1649_at	2.0144281	Sulfite exporter TauE/SafE family protein;	DW002997
C10653_at	2.0130093	E3 ubiquitin-protein ligase	EB449998
C2692_x_at	2.0112839	chitinase	DV161024
C283_at	2.0103862		EB682704
MC207B_x_at	2.0099382	heat shock protein 70	
TT16_H06_at	2.0098255	zinc finger (ccch-type) family protein	
C9080_at	2.0090718	cyclin b2	D50735
CV017653_at	2.0081055	zinc finger A20 and AN1 domain-containing stress-associated protein 5-like	CV017653
C11535_at	2.007988	at5g24690 mxc17_8	AJ632934
C10537_at	2.0044801	PATATIN-LIKE PROTEIN 6	DV161231
BP526296_at	2.0031712		BP526296
BP533267_at	2.0025454	zinc finger protein CONSTANS-LIKE 10-like	BP533267
CV017358_x_at	2.0012164	Ntlim1 mRNA for transcription factor LIM	CV017358
C9314_at	2.0005763	zinc-finger homeodomain protein 9-like	AF154664
C6060_at	2.00038		EB430276

#### HYBRIDIZATION 4: LIST OF DOWN-REGULATED GENES

Probe Set ID	Fold Change ([0.1-ACR3] vs [0.1-HR])	Blast2GO description	Genbank Accessions
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C8326_s_at	-4.8970633	Ribonucleoprotein complex subunit 3 subgroup of SGS3-like proteins that act redundantly in RNA-	BP532473
BP532314_at	-4.7976565	directed DNA methylation	BP532314
AB210290_at	-4.633389		AB210290
BP533429_at	-4.5020313		BP533429
C10124_at	-4.4919434		
C3794_at	-4.4767084	calmodulin DNA-directed RNA polymerases I, II, and III subunit RPABC1-like,	EB450286
EB448172_s_at	-4.427884	transcript variant 2	EB448172
TT21_P13_s_at	-4.420463		
EB425358_at	-4.3685656	polygalacturonase inhibitor protein	EB425358
BP532081_at	-4.2829576	acyl carrier protein	BP532081
EB428477_s_at	-4.2644787	Alpha-expansin precursor (Nt-EXPA5) mRNA	EB428477
EB682553_at	-4.1997266	eIF-4A4	EB682553
BP528418_at	-4.1235948		BP528418
C8940_x_at	-4.009451	hemoglobin	BQ842986
DV999740_s_at	-4.003813	---NA---	DV999740
C10843_s_at	-3.9832127	DNAJ heat shock N-terminal Otcicosapeptide/Phox/Be.1 domain-containing protein kinase	DW000227
C3702_s_at	-3.8817136	(AT1G16270)	EB450793
C2313_at	-3.8546145	DNAJ heat shock N-terminal	DV999234
C8940_at	-3.7071955	Hemoglobin	BQ842986
EB429364_at	-3.6694574		EB429364
C3551_s_at	-3.666086	Avr9/Cf-9 rapidly elicited protein 140 (ACRE140)	EB451541
AY219426_at	-3.5862756	pyruvate decarboxylase	AY219426
TT02_D06_at	-3.552265	Putative wound-responsive protein	
EB643469_at	-3.4935844	60s acidic ribosomal protein p1	EB643469
C10282_at	-3.4471526	BTB and TAZ domain protein 1	
C1115_at	-3.4352527	Carbohydrate-binding domain-containing protein	EB678139

BP136212_at	-3.4340835		BP136212
TT02_N06_at	-3.4198565	2-aminoethanethiol dioxygenase	
EB430467_at	-3.388536		EB430467
AJ310472_at	-3.3780994	1-aminocyclopropane-1-carboxylate oxidase (Biosynthesis etilene)	AJ310472
TT34_P18_at	-3.3649056	Tobacco gene for ribulose 1,5-bisphosphate carboxylase small subunit	
C10561_at	-3.3598824	Heavy-metal-associated domain-containing protein Chorismate mutase and TyrA (prephenate dehydrogenase)ridyltransferase-related protein	CV020944
C6836_s_at	-3.333491		EB425599
TT36_I20_at	-3.325218	Lipid binding protein, putative	
TT21_O12_at	-3.2998238	wrky transcription factor	
DV998866_s_at	-3.2119517	DCD (Development and Cell Death) domain protein	DV998866
EB448446_s_at	-3.2118595	xyloglucan endotransglucosylase/hydrolase	EB448446
DV161969_at	-3.1916022		DV161969
C4480_at	-3.1600616	Ribosomal protein L23/L15e	EB445806
BP132359_at	-3.137986		BP132359
BP135725_at	-3.105505	SKIP, SNW/SKI-INTERACTING PROTEIN	BP135725
C9048_at	-3.094198		AJ717914
EB643501_at	-3.086547	60S acidic ribosomal protein	EB643501
C5857_at	-3.0713723	photosystem i reaction center subunit ii	EB432550
EB427908_at	-3.0558915	BTAF1 RNA polymerase II	EB427908
BP526812_x_at	-3.054395	Putative wound-responsive protein	BP526812
BT2M1121_at	-3.0543816		AJ538841
BP136757_at	-3.0327492		BP136757
BT4M3256_at	-3.016544	mitochondrial chaperone BCS1-B-like	AJ539029
TT10_K24_at	-2.9973867		
DW002835_at	-2.994738	cationic peroxidase	DW002835
C1509_at	-2.966854		DW003970
T18330_at	-2.9337819	Putative wound-responsive protein	T18330
BP526927_at	-2.9220047	methionine sulfoxide reductase gene	BP526927

BP526812_at	-2.8808498	Putative wound-responsive protein	BP526812
TT35_L01_at	-2.874497	Multifunctional protein	AB454418.1
EB432644_s_at	-2.8681517	wrky transcription factor 6	EB432644
C5461_s_at	-2.8484676	50s ribosomal protein l6	EB438752
TT20_C04_at	-2.8472674	AMSH-like ubiquitin thiolesterase	
EB438500_at	-2.822269		EB438500
C8023_at	-2.8061886	Pentatricopeptide repeat-containing protein	AJ633009
BP137489_at	-2.8001046	HEAT repeat-containing protein 7A homolog	BP137489
C1189_x_at	-2.7986612		EB677734
C932_at	-2.7948842	Transcription initiation factor TFIID subunit D4	EB679195
TT48_F19_x_at	-2.773518	UV-damaged DNA binding protein 1 (hp1)	
BP533763_at	-2.7732592	wound induced protein	BP533763
BP131586_at	-2.7730644	WRKY transcription factor WRKY109669 (MTR_3g090860) mRNA	BP131586
C9672_at	-2.761314		
EB446239_at	-2.7512174		EB446239
EB442082_at	-2.7467973		EB442082
BP128634_at	-2.7401373		BP128634
EB440806_s_at	-2.7382524	glycoside hydrolase starch-binding domain-containing protein	EB440806
TT39_L02_at	-2.7206063		
C7348_at	-2.7203393	Leucine-rich repeat protein kinase	BP525872
C1710_at	-2.714472	myb transcription factor	DW002647
C5413_s_at	-2.7104244		EB439033
BP527306_s_at	-2.7087781	serine/threonine-protein kinase	BP527306
DV158260_at	-2.6979387	GRF1-interacting factor 1-like	DV158260
EB442705_at	-2.696574	Glutamyl/glutaminyI-tRNA synthetase	EB442705
BP132324_at	-2.687855	Nicotiana tabacum cig3 mRNA	BP132324
C1876_at	-2.6698806	Nicotiana tabacum DNA, presumably centromeric region	DW001586
C6912_at	-2.652332	Ethylene-responsive transcription factor ERF105	EB425222
C2721_at	-2.6514792	RNA-binding (RRM/RBD/RNP motifs) family protein	DV160838



C8055_at	-2.6473036	Luc7-like protein 3-like	BP535400
C1189_at	-2.629324		EB677734
C10426_at	-2.6263556	Nuclear transport factor 2 (NTF2) family protein	EB432597
EB677277_at	-2.6223276	Psi PttA mRNA,	EB677277
C1729_at	-2.6186738	dek oncogene (dna binding)	DW002531
C9897_at	-2.6120071	Xanthoxin dehydrogenase	
C3211_at	-2.5963204		DV158451
BP136386_at	-2.5760524	Matrix attachment region M12	BP136386
TT39_L09_at	-2.573467	18S ribosomal RNA gene	
EB428551_at	-2.563467	SAC3/GANP/Nin1/mts3/eIF-3 p25 family protein	EB428551
TT40_B19_at	-2.5579789	Major facilitator protein	
C3443_at	-2.556984	LOB domain-containing protein 40	EB452108
BP534086_at	-2.5563219		BP534086
BP528203_at	-2.5506582	T14-3-3=ADP ribosyltransferase activator	BP528203
C11401_at	-2.550612	SAUR-like auxin-responsive protein	DW002050
EB677973_s_at	-2.539973		EB677973
BP130636_at	-2.5358684	serine-threonine kinase	BP130636
AJ632911_at	-2.5332692		AJ632911
EB432626_at	-2.532594		EB432626
		Nicotiana tabacum proline-rich extensin-like 1 protein (PREL1)	
EB432696_at	-2.532076	gene	EB432696
EB437933_at	-2.5222018	peptide methionine sulfoxide reductase	EB437933
TT22_C20_at	-2.5194755		
TT32_K18_at	-2.5170891	WPP domain-associated protein	
TT48_C22_at	-2.512324	aspartate aminotransferase	
DW001992_at	-2.5108838	Basic leucine zipper transcription factor-like protein	DW001992
DW002636_at	-2.5047598	dna-directed rna polymerase ii subunit	DW002636
BP532884_at	-2.4969928	glutamyl-tRNA(Gln) amidotransferase subunit C	BP532884
C2339_s_at	-2.4960723	glutamate--glyoxylate aminotransferase 2-like	DV999077

C8874_at	-2.4903793	wrky transcription factor	CV016080
C9991_x_at	-2.4798033	chorismate mutase and TyrA (prephenate dehydrogenase)	EB425597
TT20_P20_at	-2.4789143		
BP531777_at	-2.4729877		BP531777
C10916_at	-2.4722183	Vitis vinifera SSR marker VTGrg03	EB434843
C5150_at	-2.4715295	DCD (Development and Cell Death) domain protein	EB440700
BP132717_at	-2.4715252	Protein kinase-like protein	BP132717
BP129051_at	-2.4693592	Ubiquitin carboxyl-terminal hydrolase-related protein	BP129051
C1596_at	-2.4674666	Autophagy-related protein 8f	DW003404
CV020787_s_at	-2.4654098		CV020787
TT39_L18_at	-2.462727		
DW004978_s_at	-2.4559162	Ethylene insensitive 5/7 (XRN4)	DW004978
C2144_at	-2.4517252	Thioredoxin family protein	DW000121
BP535462_at	-2.4510627		BP535462
BP129492_at	-2.450861		BP129492
CV016343_at	-2.4493873	GDT1-like protein 3-like	CV016343
BP135961_at	-2.447881		BP135961
C3912_at	-2.4432826		EB449715
C870_at	-2.4319437	transcription factor	EB679535
C3886_at	-2.4311893		EB449828
C9318_at	-2.426392	MADS box protein (Mads1;11)	AY183721
C309_at	-2.4164412	Populus EST from severe drought-stressed opposite wood	EB682543
C2132_at	-2.4154534	glucose-induced degradation protein 8 homolog	DW000183
AAAT330_s_at	-2.4073868		
EB440806_at	-2.4056997	glycoside hydrolase starch-binding domain-containing protein	EB440806
C6558_at	-2.4052904	glucose-6-phosphate 1-dehydrogenase	EB426994
C5274_at	-2.4001164	protein transport protein sec22	EB439977
TT23_D20_at	-2.3995192	Marker-1 cellulose synthase catalytic subunit 2-At (CesA2-At) gene	

TT07_H22_at	-2.394872	4-diphosphocytidyl-2-C-methyl-D-erythritol kinase mRNA,	
DW002436_at	-2.392197		DW002436
AJ717871_x_at	-2.3920078		AJ717871
BP526417_s_at	-2.383264	ABA 8'-hydroxylase CYP707A1 mRNA	BP526417
BP530973_at	-2.3783042		BP530973
BP535439_at	-2.3698437		BP535439
C8524_at	-2.3656836	transcription factor GTE8-like	BP530158
EB451554_at	-2.3513367	zinc finger (c3hc4-type ring finger) family protein	EB451554
C1978_at	-2.350996	phytoene desaturase	DW000982
DR109315_at	-2.348837	Cecropin A precursor (CecA) mRNA	DR109315
C5733_at	-2.348557	Pentatricopeptide repeat-containing protein	EB435063
C10375_s_at	-2.347397	Serine/threonine-protein kinase WNK1-like	DV999264
BP527241_at	-2.3424585	pentatricopeptiderepeat-containing protein	BP527241
C3587_at	-2.3412147		EB451352
C2042_at	-2.339078	Syntaxin-132	DW000646
C7266_x_at	-2.3382733	L-ascorbate oxidase homolog-like	BP526846
EB679208_at	-2.3374052	ubiquitin-like-conjugating enzyme ATG10-like	EB679208
CV016060_s_at	-2.3328307	Isoflavone reductase	CV016060
C5413_at	-2.3294864	Nicotiana tabacum cDNA-AFLP-fragment BSTT43-265	EB439033
DW000399_at	-2.3272774	zinchit domain containing 1	DW000399
TT29_J06_at	-2.3221831	pa2g4 protein	
TT34_K21_at	-2.3201885		
TT24_L07_at	-2.3193166	sialyltransferase-like protein	
C3594_at	-2.312831	flavanone-3-hydroxylase	EB451319
AJ632879_at	-2.3078256	serine/threonine-protein kinase	AJ632879
C11038_at	-2.2961643	UP-9A mRNA: Sulfur starvation	EB445189
C1397_at	-2.293485	BTAF1 RNA polymerase II	DW004570
BP533472_at	-2.2897449		BP533472
C5631_s_at	-2.2896242	RelA-SpoT like protein RSH1	EB436978

C1090_at	-2.2837284	embryonic flower 2	EB678277
TT47_O07_at	-2.2823224		
C1356_at	-2.2801533	Short-chain dehydrogenase/reductase 2b	DW004840
EB679327_at	-2.2739158		EB679327
EB680914_at	-2.2736504	HEAT repeat-containing protein 7A homolog	EB680914
BP137234_at	-2.2736166	Sucrose/proton symporter, exons 1-6	BP137234
AJ717818_s_at	-2.2735322		AJ717818
C8384_s_at	-2.272609		BP531819
DV999916_at	-2.2725356		DV999916
C1273_s_at	-2.266962	cysteine proteinase	EB677316
EB681641_at	-2.2632504	CBL-interacting protein kinase 5	EB681641
EB432812_at	-2.2591493		EB432812
AJ632730_at	-2.25307	pescadillo-like protein	AJ632730
C4389_at	-2.250335	Retrotransposon gag protei	EB446665
C9014_x_at	-2.2455106	RNase H family protein	AJ718581
C6085_s_at	-2.2400653	glutaredoxin	EB430001
EB684031_at	-2.2368627	LOB domain-containing protein 41-like	EB684031
BP526602_at	-2.2359204		BP526602
CV020744_at	-2.2333586	signal recognition particle 72 kDa protein-like	CV020744
C3774_at	-2.231899	5'-3' exoribonuclease 3-like [Solanum lycopersicum]	EB450435
EB432626_s_at	-2.228831		EB432626
DV160064_at	-2.2285316	BTAF1 RNA polymerase II	DV160064
C270_s_at	-2.2280376	Nicotiana tabacum Sar8.2c gene	EB682802
TT08_M08_at	-2.2257557	mo25 family protein	
TT23_I20_at	-2.2227411	C2H2 and C2HC zinc fingers	
C8512_at	-2.2213836	citrate synthase, glyoxysomal-like	BP530290
BP532220_s_at	-2.2205956		BP532220
C10654_at	-2.2107005	threonyl-trna synthetase	
EB429849_at	-2.2094758	F-box/kelch-repeat protein At3g23880-like	EB429849

EB445475_at	-2.2067204		EB445475
CV021588_at	-2.205953	Putative wound-responsive protein	CV021588
C10911_at	-2.2043297	Protein disulfide-isomerase LQY1	DV999280
C8370_at	-2.2023275	global transcription factor group e	BP531984
C1589_at	-2.2002013		DW003444
C4661_s_at	-2.1976295		EB444183
C881_at	-2.1974134	ribosomal protein s6 family protein	EB679455
C1456_s_at	-2.196533	cytochrome b-c1 complex subunit 9-like	DW004290
EB679489_at	-2.1943176	chromatin remodeling 5 (CHR5)	EB679489
C10961_at	-2.1906202	The pigmented membrane of a chloroplast thylakoid	EB430723
C391_at	-2.1904194	galactosyltransferase family protein	EB681923
C3359_s_at	-2.1899853	putative pseudouridine synthase (NAP57)	DV157775
C3754_at	-2.1881163	inorganic pyrophosphatase	EB450507
C10691_at	-2.1854143	Nudix hydrolase 17	
BP130309_at	-2.184781	Chain acyl-CoA synthetase 2	BP130309
CV021641_s_at	-2.1843405	nhp2 non-histone chromosome protein 2-like 1	CV021641
TT16_C09_at	-2.1841657	WD40/YVTN repeat and Bromo-WDR9-I-like domain-containing protein	
CV017236_at	-2.182467	ribosomal protein l27	CV017236
C7311_at	-2.1811066	ubiquitin-like-specific protease 1D-like	BP526289
TT37_A03_at	-2.1795757		
C8258_s_at	-2.1779504	unknow	BP533181
C9015_at	-2.1743646	exportin-4-like	AJ718579
AJ344613_at	-2.173915	mitochondrial phosphate transporter U1 small nuclear ribonucleoprotein 70 kDa-like, transcript variant	AJ344613
C5807_s_at	-2.1712968	2	EB433426
TT10_D14_at	-2.1706316	LRR receptor-like serine/threonine-protein kinase At5g45840-like	
TT22_P16_x_at	-2.1695313		
DW000924_at	-2.1679206	Populus EST from severe drought-stressed leaves	DW000924
C10293_at	-2.1662621		CV020090

C1275_at	-2.1657543	HCC2	EB677305
EB440264_at	-2.164539	Nicotiana plumbaginifolia cDNA-AFLP fragment	EB440264
C9462_at	-2.1617384	adenyl cyclase (Axi 141)	AF026389
C8960_at	-2.1526594	ribosomal protein l22	BP192546
EB444850_s_at	-2.1514478	Severe drought-stressed opposite wood	EB444850
C6829_at	-2.150867		EB425631
C3737_s_at	-2.150045	FACT complex subunit SSRP1-like	EB450574
DW003879_s_at	-2.1495163	ribosomal protein l17	DW003879
C11278_at	-2.1482432	glycosyltransferase family 28	BP134833
EB437449_at	-2.1450722	---NA---	EB437449
EB449220_at	-2.1415646	alanine aminotransferase 2	EB449220
EB433054_s_at	-2.1395562	Ubiquitin domain-containing protein	EB433054
C4443_at	-2.1394515	Outer plastid envelope protein 16-1	EB446116
BP528037_at	-2.1387258	P0 ribosomal protein-like mRNA	BP528037
C10521_at	-2.1377153	long-chain acyl-CoA synthetase 6	
AJ718079_at	-2.1328785		AJ718079
C10821_at	-2.1319711	LOB domain-containing protein 41	
EB452134_at	-2.1311252		EB452134
DW003435_at	-2.128778	BEL1-like homeodomain protein 2-like	DW003435
DV999421_at	-2.1263382	mpbq msbq methyltransferase 2 (VitE)	DV999421
BP533802_s_at	-2.1233225		BP533802
C4789_at	-2.1188564	flavanone-3-hydroxylase	EB443183
TT26_F02_at	-2.1184902	protein	
TT27_K19_at	-2.1175878	alpha-trehalose-phosphate synthase [UDP-forming] A-like	
TT36_K01_at	-2.1154444	AarF domain-containing kinase	
C8509_at	-2.1143756		BP530304
C11221_at	-2.111883		
EB432449_at	-2.1112442	ribonuclease r	EB432449
BP134073_at	-2.1106048	potassium channel SKOR-like	BP134073

C3796_at	-2.1068966	Aluminum induced protein with YGL and LRDR motif	EB450272
DW001794_at	-2.104275	sphingoid base hydroxylases (SBH) bifunctional methylthioribulose-1-phosphate dehydratase/enolase-	DW001794
C2015_at	-2.1026802	phosphatase E1	DW000809
TT47_P24_at	-2.1016216	Presumably centromeric region,	
C3389_s_at	-2.1015303	60s ribosomal protein l7	DV157649
EB444327_at	-2.0977051	unknow	EB444327
C2856_at	-2.096439	Transducin/WD40 domain-containing protein	DV160207
C8973_at	-2.0959127		CB305330
DV162153_at	-2.0958087	Pentatricopeptide repeat-containing protein	DV162153
BP130895_at	-2.093419	Cyclophilin-like peptidyl-prolyl cis-trans isomerase family protein	BP130895
DW001419_at	-2.092735	ORF; able to induce HR-like lesions	DW001419
C6483_at	-2.0921285	Sister chromatid cohesion protein PDS5	EB427428
BP134681_at	-2.0900187		BP134681
DV999271_at	-2.089236		DV999271
TT13_C05_at	-2.0887263	E3 ubiquitin-protein ligase UPL7	
C7001_at	-2.0881624		EB424749
EB442031_at	-2.0856614		EB442031
C7876_s_at	-2.085219		BP129702
EB683680_s_at	-2.0824006	hemoglobin	EB683680
C7474_at	-2.0817537		BP136184
BP135912_at	-2.081445		BP135912
C5385_at	-2.0798812		EB439191
TT22_G11_at	-2.0773757	Cyc B protein gene, 5' UTR and partial cds.	
TT48_D07_at	-2.0760355	Auxin-responsive protein IAA (ARP)	
C5416_at	-2.0744352	glycine-rich rna-binding protein SWAP (Suppressor-of-White-APricot)/surp domain-containing	EB438987
EB429997_s_at	-2.072406	protein	EB429997
EB678506_at	-2.0698042	assembly factor 1 for f1 component of mitochondrial atp synthase	EB678506

TT08_M07_at	-2.0694788		
C2264_at	-2.0692768	ribosomal protein l17	DV999471
C3195_at	-2.068675	nucleosome assembly protein	DV158517
C5145_s_at	-2.0671241	o-succinylhomoserine sulfhydrylase	EB440770
TT14_P03_s_at	-2.063207		
DV999376_at	-2.06192	Magnesium transporter MRS2-	DV999376
DV161560_at	-2.0617945	ATP-dependent RNA helicase DHX36-like	DV161560
EB431445_at	-2.0615368	msl2 (mscs-like 2)	EB431445
EB445802_s_at	-2.0594256		EB445802
TT13_H22_at	-2.0579627	MORC family CW-type zinc finger protein	
C5633_at	-2.055222	wd-40 repeat protein	EB436962
DV159444_at	-2.054186	ubiquinone biosynthesis protein	DV159444
TT38_H04_at	-2.053838		
BP133646_at	-2.0510135	calmodulin-binding protein	BP133646
TT05_O22_at	-2.050644		
C4046_at	-2.0506163	sodium-dependent phosphate transporter	EB448968
BP133145_at	-2.0500033	sulphate deficiency-induced gene sdi1	BP133145
C5838_at	-2.049935	aspartyl aminopeptidase-like	EB432866
C11431_at	-2.0480497	ribosomal protein l24	EB446783
C9082_at	-2.0480478	dihydroflavonol 4-reductase	AY911855
CV016397_s_at	-2.047178	ribosomal protein l23 family protein	CV016397
EB443821_at	-2.0418801	Putative wound-responsive protein	EB443821
BP530212_at	-2.040947		BP530212
C3975_at	-2.037964	gamma-aminobutyrate transaminase subunit precursor isozyme 1 (GABA-TP1),	EB449377
C1729_s_at	-2.0369816	dek oncogene (dna binding)	DW002531
TT17_G22_at	-2.034208	Alpha-glucosidase-like (LOC100777498), mRNA	
C1048_at	-2.031882	serine-type peptidase signal peptidase	EB678564
C5542_at	-2.0313838	SH3 domain-containing protein	EB438258



BP129820_at	-2.0302505	ATP-dependent RNA helicase dhx8-like	BP129820
C2738_at	-2.028823		DV160790
EB446162_at	-2.0283685	Actin-related protein 5-like	EB446162
C3383_at	-2.0281756	60s acidic ribosomal protein	DV157677
AJ719059_s_at	-2.0264802		AJ719059
BP528673_at	-2.0263033	damage-specific dna binding protein127kda	BP528673
EB446569_at	-2.0193744	ribonuclease Z, chloroplastic-like	EB446569
TT12_A21_at	-2.0190847	Cytochrome c1 precursor	
BP135033_at	-2.0187402	thylakoid lumenal protein	BP135033
C11090_at	-2.018383		DV158718
EB430218_at	-2.0179431	Rab3 GTPase-activating protein catalytic subunit-like	EB430218
C555_at	-2.017496	Cyclic phosphodiesterase	EB681059
C1542_at	-2.0148768	glycolipid transfer protein	DW003752
EB444683_at	-2.0148323	receptor kinase 3	EB444683
C1676_at	-2.0130303	ribosomal protein l22	DW002833
CV020134_at	-2.0122104		CV020134
C8523_at	-2.0107994	ATP/GTP-binding protein-like protein	BP530161
TT23_G21_at	-2.0087051	F-actin-capping protein subunit beta-like	
DV160311_at	-2.0081394	ccch zinc finger protein	DV160311
DV161010_s_at	-2.007065	Got1/Sft2-like vescicle transport protein	DV161010
C10278_at	-2.0057921	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase	EB678743
C4395_at	-2.004405	amidohydrolase 2	EB446595
CV018224_at	-2.0028303	glycine-rich rna binding protein	CV018224
C10032_at	-2.0024917	Autophagy-related protein 8f	BP533005
TT32_G07_at	-2.000285	protein MKS1	

**HYBRIDIZATION 5: LIST OF UP-REGULATED GENES**

<b>Probe Set ID</b>	<b>Fold Change ([0.1-TIP-ACR3] vs [0.1-HR])</b>	<b>Blast2GO description</b>	<b>Genbank Accessions</b>
C4518_s_at	6.178836	tts-2	EB445477
C4785_s_at	6.041456	pectinesterase inhibitor	EB443203
BP532477_s_at	5.8474927	histone h2b	BP532477
C9312_s_at	5.610006	PRP1 precursor (PRP1)	AF154667
C4722_at	5.5970144	Polyphenol oxidase 5 mRNA	EB443535
C871_s_at	5.270245	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	EB679527
BP530697_s_at	5.248193	early nodulin-like protein 1-like	BP530697
C9814_at	5.1310325	d-type cyclin	DW002211
TT07_C18_at	5.035678	L-ascorbate oxidase	
C11671_s_at	4.996541	GDSL esterase/lipase	BP529892
EB451377_at	4.9440994	Pectin methylesterase inhibitor 1 (PME1)	EB451377
C3390_at	4.5332255	thaumatin-like protein	DV157646
C7827_at	4.488062	Ergosterol biosynthetic protein 28-like Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	BP130565
EB446456_s_at	4.391152	albumin-like protein	EB446456
C1113_at	4.333085	thaumatin-like protein	EB678151
EB681606_at	4.328939	arabinogalactan-like protein	EB681606
EB683546_s_at	4.2003574	RING-H2 finger protein	EB683546
C11422_at	4.166745	10087 gene, promoter region sequence	BP530504
C1540_at	4.1522007		DW003768
C11073_s_at	4.142082	histone h2b	AJ632937
C8936_at	4.0995593	PRP1 precursor (PRP1)	BQ843040
C9288_at	4.0901747	BYJ15. GDSL esterase/lipase	AB005878
BP532414_s_at	4.0391345	extensin-like protein (ELP)	BP532414
DW001649_at	3.9725657	alpha-tubulin	DW001649

EB677992_at	3.7658825	deoxyuridine 5-triphosphate nucleotidohydrolase	EB677992
DW003786_s_at	3.6360126		DW003786
C9435_at	3.6263132	cyclin d2	AJ011894
DW003765_at	3.6134577	pectinesterase inhibitor	DW003765
C3601_at	3.6043808		EB451278
EB425329_s_at	3.5684035	Arabinogalactan protein (Agp4)	EB425329
BP532414_at	3.5456305	extensin-like protein (ELP)	BP532414
C9631_s_at	3.5315287	at1g29980 t1p2_9	EB450805
C8778_s_at	3.519474	ABA 8'-hydroxylase CYP707A1 mRNA	CV017759
BP532691_at	3.5109756	Fasciclin-like arabinogalactan protein 2 (Fla2)	BP532691
BP533879_at	3.5070927		BP533879
C417_x_at	3.4968243	Alpha-tubulin (tubA2 gene)	EB681781
EB445248_at	3.4938276	L-ascorbate oxidase	EB445248
C9323_at	3.4745173	histone h3	AB032544
C4075_s_at	3.471792	L-ascorbate oxidase	EB448781
C3250_at	3.4193633	Lipase/lipooxygenase	DV158275
C4100_at	3.4037135	beta-tubulin	EB448532
C3507_at	3.379507	glucomannan 4-beta-mannosyltransferase	EB451763
C8455_at	3.3126798	lipid-transfer protein DIR1	BP530866
C9080_at	3.3100405	cyclin b2	D50735
C9040_s_at	3.309172	histone h2a	AJ718013
BP528462_s_at	3.2738533		BP528462
EB429433_s_at	3.2312522		EB429433
TT07_E06_s_at	3.2190502	deoxyuridine 5-triphosphate nucleotidohydrolase	
EB433715_at	3.1697476		EB433715
C10896_at	3.1675723	dir1 (defective in induced resistance 1) lipid binding	
DV158352_at	3.1654525	aspartyl protease	DV158352
C339_at	3.14834	L-ascorbate oxidase	EB682306
C3831_at	3.1316051	Arabinogalactan protein (Agp4) gene	EB450059

C9175_s_at	3.127048	alpha-tubulin	AJ421412
AJ632865_at	3.1158566		AJ632865
C10967_at	3.108448	expansin	DW003498
C9821_at	3.0923827		CV017762
C3094_at	3.0511796	tts-1	DV159040
C970_at	3.0423613	thaumatin-like protein	EB678972
DV157701_at	3.0366225	Hop-interacting protein THI101	DV157701
DW002408_at	3.0344212	acid phosphatase	DW002408
C4427_s_at	3.0339108	Secretory peroxidase (PER)	EB446251
EB439329_at	3.0333202	SAUR-like auxin-responsive protein	EB439329
EB442025_at	3.015017		EB442025
		Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	
C9569_at	3.0091274	albumin-like protein	BP534045
C8991_s_at	2.9835439	d-type cyclin	AB243209
C9925_at	2.9733725		DV158606
C5438_at	2.963822	SPIRAL1-like	EB438891
EB683428_at	2.9577832		EB683428
C3034_at	2.9460294	Endoxyloglucan transferase related protein	DV159267
		NtSN1b mRNA for putative PR-10 type pathogenesis-related	
C8883_x_at	2.9329145	protein	CV015950
BP532655_at	2.931752	histone h2b	BP532655
BP534760_at	2.915632	L-ascorbate oxidase	BP534760
C1816_s_at	2.9053166	sah7 protein Allergen-like protein BRSn20	DW001917
C3109_s_at	2.8459227		DV158956
C9204_x_at	2.8453002	phospholipase a2	AB190178
		Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	
C9569_x_at	2.837022	albumin-like protein	BP534045
C5074_at	2.8153691	subtilase family protein	EB441234
EB444699_at	2.814752	Tumor-related protein	EB444699

CV020499_at	2.7988772	defensin-like protein 6-like	CV020499
C9362_at	2.7855713	P70 protein (microtubule nucleation)	AJ310997
C4350_at	2.7594218		EB446989
C1747_s_at	2.7510624	extensin-like protein (ELP)	DW002402
C3800_at	2.7501996		EB450211
EB444844_at	2.7262526	NtLTP3 gene for lipid transfer protein, complete cds	EB444844
BP132818_at	2.708184	Glucan endo-1,3-beta-glucosidase B	BP132818
C9408_at	2.7017248	beta-D-glucan exohydrolase	AB017502
EB445330_at	2.675537		EB445330
CV019365_at	2.6724637	glycine-rich RNA-binding protein	CV019365
C11178_x_at	2.6666558	histone h3	CV020332
TT15_H12_at	2.66155	ethylene-responsive transcription factor	
C9469_s_at	2.656765	sterol-C24-methyltransferases involved in sterol biosynthesis	U71108
EB445696_at	2.647049	Glycine max probable polyamine oxidase 4-like	EB445696
C2877_at	2.6454206	NKS1 Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	DV160091
C8327_s_at	2.640603	albumin	BP532469
BP534122_x_at	2.609691		BP534122
C4154_s_at	2.5978522	RAB GTPase homolog A5B	EB448203
C9325_at	2.5838118	heavy-metal-associated domain-containing protein	AB032536
EB446961_at	2.5829458	Putative protein Pop3	EB446961
C8093_at	2.5615685		BP534994
C9942_at	2.5571241	RAB GTPase homolog A5B (RABA5b)	CV018992
TT27_L02_s_at	2.5560668	Autophagy 18G-like protein (ATG18G)	
C1359_at	2.5526452	Kunitz family trypsin and protease inhibitor protein	DW004832
TT29_J14_at	2.5446832		
BP527816_at	2.5427532	Cyclin-dependent kinase B1-1 (CdkB1-1)	BP527816
EB425593_at	2.5394545		EB425593
DW002864_s_at	2.5339034		DW002864

C2188_at	2.533607	Chaperone DnaJ-domain	DV999877
DV160721_at	2.5231235	vacuolar atp synthase 16 kda proteolipid subunit	DV160721
EB445463_at	2.5148785		EB445463
TT39_L01_s_at	2.5073023	ABA 8'-hydroxylase activity	
CV018046_at	2.5000782	Putative CCR4-associated factor 1-11	CV018046
BP534122_at	2.4814968	V-ATPase subunit c (PVA1) mRNA	BP534122
C9631_at	2.471966	at1g29980 t1p2_9	EB450805
C8202_at	2.4682157		BP533698
C10156_at	2.4547074	RmlC-like cupin-like protein	BP534306
CN949762_at	2.4509978	serine/threonine-protein kinase dyrk1-like	CN949762
C4790_at	2.4447985	RING-H2 finger protein ATL80-like	EB443176
DW001236_at	2.4440684		DW001236
BP534778_at	2.4324245	AUXIN RESPONSE 4-like	BP534778
C9908_s_at	2.4269428	ferredoxin	
BP534565_s_at	2.4252603	RAN GTPase-activating protein 2	BP534565
C5550_x_at	2.425109	CCR4 associated factor 1-related protein (CAF1)	EB438203
C3504_at	2.4241986	Lipase/lipoxygenase	EB451786
TT13_B19_at	2.4191077	Sterol reductase	
C3135_at	2.4151218	c-5 sterol desaturase	DV158812
C11115_at	2.4144938	Arabidopsis thaliana ACC oxidase (ACO2)	
TT11_D13_at	2.4132314		
C5377_at	2.4082928	pollen-specific protein C13-like	EB439226
C3590_at	2.3900397	UDP-D-glucuronate 4-epimerase	EB451340
DW002020_at	2.379817	peroxidase	DW002020
EB683445_at	2.3753977	RIP4 (ROP interactive partner 4)	EB683445
C6096_at	2.3684723		EB429775
BP531347_at	2.3648202	syntaxin-related protein KNOLLE-like	BP531347
TT20_C23_at	2.363467	DNA-binding protein S1FA	
C9378_at	2.36204	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin	AB041516

EB449243_at	2.3482163		EB449243
C6138_at	2.3387213	Centromeric region	EB429197
AJ718952_s_at	2.3386412		AJ718952
C3756_s_at	2.3376791	Nicotiana tabacum mitochondrial DNA	EB450500
C4740_at	2.3318465	UDP-D-glucuronate 4-epimerase 1 Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	EB443404
C8938_at	2.3236756	albumin-like protein	BQ843013
EB445816_s_at	2.3160765		EB445816
C3652_at	2.3095453	NtERF3b mRNA for ethylene response factor 3b	EB451018
C9555_at	2.3032677	early nodulin-like protein 8 (ENODL8)	CV020181
TT05_J08_at	2.3000941	Putative auxin growth promotor protein	
EB426761_at	2.298301	pectate lyase	EB426761
EB446488_at	2.2802603		EB446488
BP530474_at	2.2795708	auxin-induced-like protein	BP530474
C10862_at	2.27023	V-type ATPase	EB681899
EB680828_at	2.260206	WEB family protein	EB680828
C7166_at	2.258977	ubiquitin thiolesterase	BP528248
BC4M4353_at	2.2444062	short-chain dehydrogenase/reductase 2b-like	AJ538739
C10434_at	2.2384012		EB448530
C1757_x_at	2.2378035	histone h3	DW002353
C9498_at	2.2302368	coproporphyrinogen oxidase	X82831
C3609_at	2.2255607	Xyloglucan endotransglucosylase/hydrolase protein 9	EB451243
BP534565_at	2.2250233	RAN GTPase-activating protein 2	BP534565
EB445748_at	2.2230697		EB445748
C8585_at	2.2217605	E3 ubiquitin-protein ligase	CV020977
AY775032_at	2.2138176	Avr9/Cf-9 rapidly elicited protein 34 (ACRE34)	AY775032
C1832_x_at	2.2060592	histone h3	DW001845
C3513_at	2.2020967	l-ascorbate oxidase	EB451727
CV019680_at	2.2007182		CV019680

TT18_A15_at	2.1952493	Phy rapidly regulated 1	
C8340_at	2.194606	Tumor-related protein	BP532328
C2702_at	2.1924212	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	DV160970
C8992_x_at	2.1921384	d-type cyclin	AB243208
AB050843_at	2.1919703	calmodulin	AB050843
C4471_s_at	2.1868234	24-dehydrocholesterol reductase	EB445882
C3986_at	2.1851935	Fasciclin-like arabinogalactan protein 7	EB449306
C1845_at	2.1799016	family 8 glycosyl transferase	DW001746
C768_at	2.176615	lipid transfer protein	EB679995
EB448560_x_at	2.174239	reticulon-like protein B2-like	EB448560
EB435451_x_at	2.1713896	Putative inactive receptor kinase RLK902	EB435451
C5734_at	2.170614	VITAMIN E biosintesis	EB435053
C8255_at	2.156627		BP533210
C8646_at	2.154654	chitinase	CV019934
CV016592_x_at	2.15138	RAN GTPase-activating protein 2 (RanGAP2)	CV016592
EB450715_at	2.1428475	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin	EB450715
C8254_at	2.1427774	cytochrome p450	BP533216
EB431781_at	2.1373434		EB431781
DV160678_at	2.1351376	late embryogenesis abundant hydroxyproline-rich glycoprotein	DV160678
CV021572_s_at	2.133319	beta-tubulin 3 mRNA	CV021572
C1108_at	2.1274192	lesion inducing	EB678184
C2322_at	2.1256046	E3 ubiquitin-protein ligase RNF5-like	DV999180
EB433058_at	2.1185467		EB433058
BP533058_at	2.1176145	60S ribosomal protein L6	BP533058
C6571_at	2.1115954	protein notum homolog	EB426850
EB439329_s_at	2.1095397	SAUR-like auxin-responsive protein	EB439329
C10250_at	2.103869	methyltransferase PMT3	DW000015
C9204_at	2.1036074	phospholipase a2	AB190178
CV016642_at	2.1011183	Kunitz trypsin inhibitor mRNA	CV016642



DW003497_at	2.0991762		DW003497
GC302_s_at	2.0980606	Glycine max isoliquiritigenin 2'-O-methyltransferase-like	
DV157619_at	2.0915675		DV157619
C5438_s_at	2.0910695	SPIRAL1-like	EB438891
C3264_at	2.0886154	monocopper oxidase-like protein SKU5-like	DV158203
C1204_at	2.0866098	ferredoxin-like protein	EB677651
C5288_at	2.0858285	phospholipase a2	EB439873
EB426416_at	2.084611	vacuolar protein sorting 55	EB426416
C11418_at	2.0835187	Nicotiana tabacum UP-9A mRNA	BP533592
TT18_E07_at	2.0821896	Gibberellin-regulated GASA/GAST/Snakin family protein	
BP531362_at	2.0793796	PD beta-1,3-glucanase 2	BP531362
EB681756_x_at	2.0695927		EB681756
TT04_A03_s_at	2.068804	FASCICLIN-like arabinogalactan protein 16 precursor (FLA16)	
C5014_at	2.0671492	cellulose synthase-interactive protein 1	EB441670
TT36_J19_at	2.0658364		
C5123_at	2.0650325	Aldose 1-epimerase	EB440905
C4204_x_at	2.0635087		EB447919
C4626_at	2.0614216		EB444545
DV157944_at	2.0607631	plastocyanin-like domain-containing protein / putative mavicyanin	DV157944
C8340_s_at	2.0595074	Tumor-related protein	BP532328
C11128_x_at	2.0593174	SPIRAL1-like 1-like	BP531882
EB445209_at	2.0581348		EB445209
C11599_at	2.0565612	unknown	EB683023
C8168_at	2.0553155	deoxyuridine 5-triphosphate nucleotidohydrolase	BP534073
DW004887_at	2.0541868	CASP-like protein	DW004887
EB681115_at	2.0529838	short-chain dehydrogenase/reductase 2b-like	EB681115
EB446857_at	2.0449104	transcription factor bHLH93-like	EB446857
C10967_s_at	2.044257	alpha-expansin precursor (Nt-EXPA5)	DW003498
C5049_at	2.0433254	Fasciclin-like arabinogalactan protein 17	EB441426

DV159900_s_at	2.0429256	Nucleotide-diphospho-sugar transferases superfamily protein	DV159900
BP534157_at	2.0429254	actin-1-like	BP534157
C8287_at	2.0409877	late embryogenesis abundant lea	BP532844
C8905_at	2.039375	aspartic proteinase nepenthesin-1-like	CN824923
CV017311_x_at	2.0357924	Endochitinase	CV017311
CV018717_at	2.0337114		CV018717
C10676_at	2.0323668	integral membrane	EB451239
C9429_at	2.0248487	c-5 sterol desaturase	AF081794
C1401_at	2.023627	5-phosphoribosyl-1-pyrophosphate amidotransferase (purF) gene	DW004553
CV017834_at	2.020522	Putative wound-responsive protein	CV017834
GC437_at	2.0143838		
C2273_at	2.0111175	aquaporin PIP2;2	DV999429
C5765_at	2.0080621	Calcium ion binding protein	EB434360
BP532977_at	2.0040464		BP532977
C1341_at	2.0029633	methylputrescine oxidase (MPO1)	DW004914

#### HYBRIDIZATION 5: LIST OF DOWN-REGULATED GENES

Probe Set ID	Fold Change ([0.1-TIP-ACR3] vs [0.1-HR])	Blast2GO description	Genbank Accessions
C6266_at	-4.592038	acetyl-coenzyme a synthetase	EB428408
AJ344536_s_at	-4.300858	cullin 1	AJ344536
EB428562_at	-3.992902	heat shock protein 70	EB428562
DV162265_at	-3.7331123	copper-translocating p-type atpase	DV162265
TT20_M13_at	-3.5575128	methylcrotonoyl-CoA carboxylase beta chain	
C7295_at	-3.518079	26S proteasome regulatory subunit N1	BP526444
EB438500_at	-3.4976661		EB438500
EB442616_at	-3.2752383	Calossin-like protein required for polar auxin transport	EB442616
EB680371_at	-3.1067133	wrky dna-binding protein	EB680371

C6510_at	-2.9295704	AAA-type ATPase family protein	EB427259
DV159331_at	-2.904511	alkaline alpha-galactosidase seed imbibition protein (SIP)	DV159331
C8951_at	-2.8536627	autophagy protein 9	BP192658
DW001356_at	-2.8311608	MAP kinase (MPK16)	DW001356
EB427540_at	-2.8168006	DNA repair metallo-beta-lactamase family protein	EB427540
EB681943_at	-2.7957382	xanthine dehydrogenase	EB681943
C3446_s_at	-2.7629082	polyamine oxidase	EB452084
C5130_at	-2.7548654	Myotubularin-like phosphatases II-like protein [	EB440871
BP134894_at	-2.7528586	ubiquitin-protein ligase RNF14	BP134894
BP137485_at	-2.7487829	retrotransposon Tnt1 s231	BP137485
C2051_at	-2.7099197	4-hydroxyphenylpyruvate dioxygenase	DW000597
BP137489_at	-2.7062533	HEAT repeat-containing protein 7A homolog	BP137489
BC2M4121_at	-2.702765	dynamamin 3	AJ538518
C5842_at	-2.6925282	heat shock protein 90	EB432766
BP526236_s_at	-2.6664312	serine hydroxymethyltransferase	BP526236
TT14_O21_at	-2.6500194	Pre-mRNA-splicing factor ATP-dependent RNA helicase PRP16	
BP132324_at	-2.6158257	Nicotiana tabacum cig3 mRNA	BP132324
EB643479_x_at	-2.5726113	proline oxidase/dehydrogenase 2 (PROX2)	EB643479
DW003603_at	-2.529498	nuclear export mediator factor NEMF	DW003603
AJ718070_at	-2.5182388	abc transporter	AJ718070
DV161441_at	-2.4880369	receptor-like serine/threonine-protein kinase	DV161441
EB427225_at	-2.4641712		EB427225
C9014_x_at	-2.450745		AJ718581
EB449645_s_at	-2.4360323	alpha-amylase	EB449645
C2002_at	-2.4275517	<b>iron-stimulated ATPase</b>	DW000893
TT03_O23_at	-2.416188	aldose 1-epimerase	
C5145_s_at	-2.4134898	o-succinylhomoserine sulfhydrylase	EB440770
BP528037_at	-2.3851626		BP528037
EB441351_at	-2.3838549	RNA polymerase II transcription mediato	EB441351

DV162327_at	-2.37341	autophagy	DV162327
DV161209_at	-2.3688896	serine hydroxymethyltransferase	DV161209
EB427908_at	-2.35694	BTAF1 RNA polymerase II, B-TFIID transcription factor-associated	EB427908
DV159578_at	-2.3455234	retrotransposon Tnt1	DV159578
		pfu2 ubc23 (ubiquitin-conjugating enzyme 23) ubiquitin-protein	
BP129254_at	-2.3389347	ligase	BP129254
C351_at	-2.3239768	udp-glucose 4-epimerase	EB682214
EB430306_s_at	-2.3185675	heat shock protein 90	EB430306
C6_s_at	-2.3111866	aaa-type atpase family protein	EB684250
BP130931_at	-2.2888741	dna polymerase delta catalytic subunit	BP130931
BP526155_at	-2.281903	msl2 (mscs-like 2)	BP526155
BP131434_at	-2.2793477	lactoylglutathione lyase family protein glyoxalase i family protein	BP131434
TT39_D11_at	-2.2616148	branched-chain amino acid aminotransferase	
EB680544_at	-2.2298217	ABC1-like kinase that regulates vitamin E metabolism.	EB680544
BP134587_at	-2.2237525	lactoylglutathione lyase family protein glyoxalase i family protein	BP134587
DW000993_at	-2.22298	U2 snRNP-associated SURP	DW000993
C2554_at	-2.2196388		DV161848
C9015_at	-2.217101	exportin-4-like	AJ718579
EB426889_at	-2.2153084	ketose-bisphosphate aldolase class-II-like protein	EB426889
EB427724_at	-2.205063	alpha-amylase	EB427724
EB680397_at	-2.1805708	CBS / octicosapeptide/Phox/Bemp1 domain-containing protein	EB680397
BP132765_at	-2.1513433	Insulinase (Peptidase family M16) family protein	BP132765
TT40_B19_at	-2.1344025	Major facilitator superfamily protein	
C2780_at	-2.128809		DV160581
TT33_E11_at	-2.1222227		
TT47_C24_at	-2.1119053	selenium-binding protein	
EB682437_at	-2.1116164	Xaa-Pro aminopeptidase P-like	EB682437
TT07_E10_at	-2.110087	transcription factor GTE10-like	
TT08_F15_s_at	-2.0979319		

BP526927_at	-2.0885122	methionine sulfoxide reductase gene	BP526927
C7311_at	-2.0785697	ubiquitin-like-specific protease 1D-like	BP526289
BP528038_at	-2.074808	Tobacco DNA for retroviral-like transposon Tnt 1-94	BP528038
DW000655_at	-2.0664928	DDR GK domain-containing protein 1-like, transcript variant 2	DW000655
EB449731_at	-2.0643487	3-hydroxyisobutyrate dehydrogenase	EB449731
C6803_at	-2.0619402	udp-glucose 4-epimerase	EB425784
C9048_at	-2.0586748		AJ717914
DV161941_at	-2.046098	molybdenum cofactor sulfurase	DV161941
C8228_at	-2.0458708	adp atp translocase	BP533465
TT06_P11_at	-2.0453527	serine O-acetyltransferase	
BP130824_at	-2.045237	unknow	BP130824
C2196_at	-2.0259888	Calcium homeostasis regulator CHoR1 mRNA	DV999843
EB446853_at	-2.0157022	EZ1 protein (EZ1)	EB446853
EB442648_at	-2.0136545	serine/threonine-protein phosphatase BSL3	EB442648
BP528891_at	-2.0029366	DNA excision repair protein ERCC-8-like	BP528891
BP131586_at	-2.0014162	serine/threonine-protein kinase ULK3-like	BP131586
DW004227_at	-2.0003839	WEB1 (weak chloroplast movement under blue light 1)	DW004227

## HYBRIDIZATION 6: LIST OF UP-REGULATED GENES

Probe Set ID	Fold Change ([0.1-TIP-ACR3] vs [0.1- ACR3])	Blast2GO description	Genbank Accessions
DV999900_at	18.433546	alpha-dioxygenase	DV999900
C11401_at	5.2420177	SAUR-like auxin-responsive protein family	DW002050
CV507127_at	4.4023933	fatty acid-binding protein-like	CV507127
TT30_M10_at	3.976399		
EB444625_at	3.7307978		EB444625
BC4M4353_at	3.6773474	short-chain dehydrogenase/reductase 2b-like	AJ538739
C8173_at	3.646055	ethylene response factor 1	BP534034

EB451377_at	3.583172	pectinesterase inhibitor	EB451377
C9897_at	3.4060578	hort-chain dehydrogenase/reductase	
BP532884_at	3.2754016	glutamyl-tRNA(Gln) amidotransferase subunit C	BP532884
TT02_J20_s_at	3.198068	Rotamase cyclophilin 2 (ROC2)	
C5857_at	3.0851424	photosystem i reaction center subunit ii	EB432550
C8960_at	3.0706928	ribosomal protein l22	BP192546
C1676_s_at	3.0433645	ribosomal protein l22	DW002833
C672_at	3.0274823	peroxidase	EB680432
C1876_at	2.973281	Nicotiana tabacum DNA, presumably centromeric region	DW001586
C5550_x_at	2.9639215	CCR4 associated factor 1-related protein (CAF1)	EB438203
C4740_at	2.9150746	UDP-D-glucuronate 4-epimerase 1	EB443404
EB438365_at	2.9121375	hydroxyproline-rich glycoprotein family protein	EB438365
AJ717871_x_at	2.9051685		AJ717871
EB439923_at	2.8782454	Nicotiana tabacum Sar8.2c gene	EB439923
BP135725_at	2.8675318	ski interacting protein	BP135725
EB643469_at	2.8389404	60s acidic ribosomal protein p1	EB643469
C10282_at	2.8295324	60s acidic ribosomal protein p1	
CV021091_x_at	2.824186	E3 ubiquitin-protein ligase	CV021091
C10911_at	2.8198717	Protein disulfide-isomerase LQY1	DV999280
C11418_x_at	2.7965817	Nicotiana tabacum UP-9A mRNA	BP533592
AF030071_at	2.780456	Small auxin-up protein 81 mRNA,	AF030071
DV159911_at	2.780395	Major facilitator superfamily protein	DV159911
T18330_at	2.7641912	Putative wound-responsive protein	T18330
DW003785_s_at	2.7628007	ribosomal protein l15	DW003785
TT47_P24_at	2.7574391	Nicotiana tabacum DNA, presumably centromeric region	
BP530998_at	2.7315302	probable protein phosphatase DDB_	BP530998
EB679814_at	2.7252462		EB679814
C3051_at	2.7147589	superoxide dismutase	DV159202
EB443821_at	2.7143254	Putative wound-responsive protein	EB443821
BP528536_at	2.712603	wrky transcription factor	BP528536

AJ344613_at	2.6908615	mitochondrial phosphate transporter	AJ344613
C11675_at	2.6844869		AJ718611
C1824_at	2.6229045		DW001881
C5733_at	2.6035938	Pentatricopeptide repeat-containing protein (SVR7)	EB435063
C9281_at	2.591362	AGP4 mRNA for AG-motif binding protein-4	AB107692
		BTB/POZ and TAZ domain-containing E3 ubiquitin-protein ligase	
AF211779_at	2.5831618	complex (CUL3-RBX1-BTB)	AF211779
TT39_L09_at	2.5651999	18S ribosomal RNA gene,	
C10230_at	2.5649931	bag domain containing	EB447903
C1824_x_at	2.559216		DW001881
C9781_x_at	2.5516913	calmodulin	EB440129
TT02_J20_at	2.5229142	Rotamase cyclophilin 2 (ROC2)	
AF307095_at	2.4922926	aldose 1-epimerase	AF307095
EB447786_at	2.4900882		EB447786
C10912_at	2.4752676	---NA---	EB683982
C5847_at	2.4541636		EB432672
DW002436_at	2.4503167		DW002436
C28_at	2.443378	adenylylsulfate sulfohydrolase activity	EB684139
BP532220_s_at	2.4398892		BP532220
DW005039_s_at	2.42795		DW005039
EB682553_at	2.4109662	atp-dependent rna helicase	EB682553
CV017960_at	2.3939843		CV017960
C9498_at	2.3556387	coproporphyrinogen oxidase	X82831
C3796_at	2.3202913	Aluminum induced protein with YGL and LRDR motif	EB450272
BP129694_at	2.3132827	tryptophanyl-tRNA synthase-like mRNA	BP129694
CV016397_s_at	2.3090222	ribosomal protein l23 family protein	CV016397
TT15_H12_at	2.3077981	Ethylene-responsive transcription factor ERF012	
EB430708_at	2.2938082	EXO, EXORDIUM	EB430708
C8844_x_at	2.2906022	EXORDIUM (EXO)	CV016610
BP526812_x_at	2.2861683	Putative wound-responsive protein	BP526812
C2947_at	2.279973	NAD(P)-linked oxidoreductase superfamily protein	DV159736

BP129365_at	2.2608662	nonsense-mediated mrna decay protein	BP129365
C7203_at	2.2567368	TBL (TRICHOME BIREFRINGENCE-LIKE)	BP527685
C8446_at	2.254119	homeobox-leucine zipper protein ATHB-6-like	BP530992
C6085_s_at	2.2524695	glutaredoxin	EB430001
C95_at	2.2320902	ribosomal protein l14	EB683804
C10916_at	2.216342		EB434843
C6912_at	2.211957	Ethylene-responsive transcription factor ERF105	EB425222
TT38_H04_at	2.2105858		
BP132530_at	2.2067635	---NA---	BP132530
TT36_I20_at	2.2014024		
TT11_M01_s_at	2.197149		
C11465_at	2.1939743	RAB GTPASE A2A	EB448387
AJ718098_at	2.1820037	alternative oxidase	AJ718098
C2897_at	2.1783457	chloroplast channel forming outer membrane protein	DV159983
EB678509_at	2.1753633	oleosin	EB678509
CV021641_s_at	2.168226	Ribosomal protein L7Ae	CV021641
C11636_at	2.1664903		EB445552
C10815_s_at	2.159582	60s ribosomal protein l35	EB443198
TT35_L01_x_at	2.153912	fatty acid beta-oxidation multifunctional protein AIM1-like	
C3287_at	2.1534774	2og-feoxygenase	DV158087
TT19_F16_at	2.1514502		
EB451442_at	2.1348834	Putative wound-responsive protein	EB451442
TT08_I23_at	2.1128645		
BP533050_s_at	2.0699174		BP533050
EB445119_at	2.0564063		EB445119
C10756_at	2.0562413	HSP20-like chaperones superfamily protein	DV158866
C4754_at	2.0521972	plantacyanin one of blue copper proteins	EB443336
EB678816_at	2.0513456	Transducin/WD40 repeat-like superfamily protein	EB678816
C11038_x_at	2.0439105	UP-9A mRNA	EB445189
BP531845_x_at	2.0320866		BP531845
EB681115_at	2.0278804	NAD(P)-binding Rossmann-fold superfamily protein	EB681115
C11703_at	2.025877	autophagy 8c (ATG8C)	DW000960



TT26_L01_at	2.0241864	pectinesterase inhibitor	
EB439588_at	2.0210333		EB439588
BP132676_at	2.0134802	Avr9/Cf-9 rapidly elicited protein 1 (ACRE1)	BP132676
EB450801_s_at	2.011853	GID1-like gibberellin receptor (GID1A/C)	EB450801

## HYBRIDIZATION 6: LIST OF DOWN-REGULATED GENES

Probe Set ID	FC ([0.1-TIP-ACR3] vs [0.1-ACR3])	Blast2GO description	Genbank Accessions
C10933_at	-15.241143	Isoflavone synthase 2 (IFS2) gene	EB443218
TT08_C02_at	-15.161843		
C10933_x_at	-14.682244	Isoflavone synthase 2 (IFS2) gene	EB443218
C2373_at	-11.952147		DV998917
C4264_x_at	-11.945437		EB447604
C8615_at	-10.554677	1-aminocyclopropane-1-carboxylate	CV020445
C1359_x_at	-10.530893	Kunitz family trypsin and protease inhibitor protein	DW004832
BP525701_at	-9.676687	Nicotiana tabacum mitochondrial DNA	BP525701
EB439434_x_at	-9.674605	sugar transporter SWEET10-like	EB439434
C1359_at	-9.661419	Kunitz family trypsin and protease inhibitor protein	DW004832
BP528597_at	-9.365357	Nicotiana tabacum mitochondrial DNA	BP528597
EB430244_x_at	-9.168125	galactinol synthase 1-like	EB430244
C3546_s_at	-9.018402	fasciclin-like arabinogalactan-protein 2 (Fla2)	EB451563
C4973_at	-9.012482	Beta-glucosidase 17	EB441923
AY055111_at	-8.987162	Nicotiana tabacum pathogenesis-related protein PR10a	AY055111
EB678601_at	-8.881921	carotenoid oxygenase	EB678601
BP526999_at	-8.788646	Nicotiana tabacum mitochondrial DNA	BP526999
BP136017_at	-8.619846	NADH dehydrogenase subunit 5 (nad5) gene	BP136017
GC339_at	-8.53223	Nicotiana tabacum mitochondrial DNA	
C11687_at	-7.947951	galactinol synthase	EB432401
EB430905_at	-7.9458547		EB430905

C5842_at	-7.8742204	heat shock protein 90	EB432766
BP527332_s_at	-7.837967	amino acid transporter family protein	BP527332
C855_at	-7.6668572	protein	EB679601
BP135226_at	-7.424038	Nicotiana tabacum mitochondrial DNA	BP135226
BP130928_at	-7.2582803	Nicotiana tabacum mitochondrial DNA Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	BP130928
C6364_at	-7.219624	albumin-like protein	EB427945
C7785_at	-7.181423	Nicotiana tabacum mitochondrial DNA	BP131298
BP133164_at	-7.063714	Nicotiana tabacum mitochondrial DNA	BP133164
C3275_at	-6.9882464	protein	DV158144
GC174_at	-6.9479904	Aquaporin TIP3-2-like	
C9848_at	-6.8109884	kunitz trypsin inhibitor	EB429016
BP135070_at	-6.8045626	Nicotiana tabacum mitochondrial DNA	BP135070
EB442706_at	-6.698613	Avr9/Cf-9 rapidly elicited protein 284 (ACRE284)	EB442706
TT21_K10_at	-6.5451555	Ethylene-responsive transcription factor ERF109	
BP136836_s_at	-6.527306	Nicotiana tabacum mitochondrial DNA	BP136836
BP132726_at	-6.5251155	alpha,alpha-trehalose-phosphate synthase	BP132726
C9623_at	-6.5046644	DAF, DEFECTIVE IN ANther DEHISCENCE1- (DAD1-) ACTIVATING FACTOR	
DV158314_at	-6.3216753		DV158314
C1231_at	-6.317386	malate synthase (glyoxylate circle)	EB677524
BP132548_at	-6.179311	Nicotiana tabacum mitochondrial DNA	BP132548
C3134_at	-6.1618333	malate synthase (glyoxylate circle)	DV158814
C5423_x_at	-6.06237	Chlorophyll a-b binding protein CP26	EB438962
BP529621_at	-6.0511246	Nicotiana tabacum mitochondrial DNA	BP529621
C4532_at	-5.92945	Thionin-like protein 2	EB445358
AJ717881_at	-5.921295	Nicotiana tabacum mitochondrial DNA	AJ717881
BP532312_at	-5.918457	Nicotiana glauca partial mRNA for extensin	BP532312
TT09_M20_at	-5.863886	resistance protein-like protein (Mi-1.7)	
BP526000_at	-5.859542	Nicotiana tabacum mitochondrial DNA	BP526000

C1231_s_at	-5.8424335	malate synthase (glyoxylate circle)	EB677524
C10896_at	-5.8114376	induced resistance 1 protein (DIR1)	
BP135763_at	-5.768552	Nicotiana tabacum mitochondrial DNA	BP135763
C979_at	-5.7520757	heat shock protein	EB678931
BP134922_at	-5.7416725	Nicotiana tabacum mitochondrial DNA	BP134922
C3170_x_at	-5.7379966	heat shock protein	DV158632
C7610_at	-5.6674814	Nicotiana tabacum mitochondrial DNA	BP134269
BP527880_at	-5.6567187	Nicotiana tabacum mitochondrial DNA	BP527880
C2925_s_at	-5.635979	Serine-glyoxylate aminotransferase Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	DV159853
C6364_x_at	-5.6261926	albumin-like protein	EB427945
BP529225_at	-5.4953084	Nicotiana tabacum mitochondrial DNA	BP529225
C5588_at	-5.414296	heat shock protein	EB437932
C4499_at	-5.3660536	glutathione s-transferase	EB445649
CV020237_at	-5.354534		CV020237
BP136364_at	-5.336484	Nicotiana tabacum mitochondrial DNA	BP136364
C3170_at	-5.315267	heat shock protein	EB682461
BP527985_at	-5.308738	Nicotiana tabacum mitochondrial DNA	BP527985
BP130926_at	-5.3009853	Nicotiana tabacum mitochondrial DNA	BP130926
C151_x_at	-5.2994356	Nicotiana tabacum putative PLA2 (F8) mRNA	EB683524
BQ842824_at	-5.2838078	retrotransposon Tto1	BQ842824
C2397_s_at	-5.273898	Chlorophyll a-b binding protein CP26	DV998784
TT20_K20_at	-5.237566	wound-responsive AP2 like factor 2	
BP526620_at	-5.232422	glycerophosphodiester phosphodiesterase (GDPD)	BP526620
BP533512_at	-5.2159758	Tumor-related protein	BP533512
C4122_at	-5.2114534	galactinol synthase	EB448354
C2353_s_at	-5.180991	Serine-glyoxylate aminotransferase	DV999008
C5960_at	-5.179873	heat shock protein	EB431431
C1306_s_at	-5.162825	methanol inducible protein (MIG-21)	DW005142

T160B_s_at	-5.10291	Nicotiana tabacum mitochondrial DNA	
TT25_C13_at	-5.0754395		
AF211550_at	-5.0583854		AF211550
BP136951_at	-5.021755	Nicotiana tabacum mitochondrial DNA	BP136951
BP526536_at	-4.997236	ATP synthase subunit 9 (atp9)	BP526536
EB684220_at	-4.9944024	serine-threonine kinase	EB684220
C6181_at	-4.9820123	em protein	EB428845
		Solanum tuberosum NADH dehydrogenase subunit 1 (nad1) gene,	
BP135772_at	-4.9212475	exon e and partial cds; and ATP synthase subunit 6	BP135772
BP129383_at	-4.878461	Nicotiana tabacum mitochondrial DNA	BP129383
EB679258_at	-4.8759074	Cystathionine beta-synthase (CBS)	EB679258
C1890_x_at	-4.8267946	Sar8.2c gene	DW001502
BP137371_at	-4.759914	Nicotiana tabacum mitochondrial DNA	BP137371
DV159578_at	-4.7314124	Retrotransposon Tnt1 s231d	DV159578
		Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	
C9569_x_at	-4.7263985	albumin-like protein	BP534045
BP128412_at	-4.7013783	Nicotiana tabacum mitochondrial DNA	BP128412
		Nicotiana tabacum chloroplast pigment-binding protein CP26	
CV017694_s_at	-4.6419363	(Lhcb5) mRNA	CV017694
		Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	
C8359_x_at	-4.6053824	albumin-like protei	BP532100
BP134083_at	-4.5964	Nicotiana tabacum mitochondrial DNA	BP134083
BP129948_at	-4.5859127		BP129948
CV017581_x_at	-4.5619235	Lhcb1*9 gene for light harvesting chlorophyll a/b-binding protein	CV017581
MC207B_x_at	-4.5577607	heat shock protein 70	
C3039_at	-4.5571165	mitochondrial	DV159241
C2370_at	-4.5259385	Bidirectional sugar transporter SWEET11	DV998925
DV158065_at	-4.519171	ribosomal protein l2	DV158065
C3508_at	-4.5022845	MLP-like protein 28	EB451758

C7067_at	-4.498474	Nicotiana tabacum mitochondrial DNA	BP529585
EB441286_at	-4.492112		EB441286
TT10_l10_at	-4.469151		
EB684131_at	-4.466088		EB684131
BP128457_at	-4.439716	Nicotiana tabacum mitochondrial DNA	BP128457
DV159021_at	-4.39018	retrotransposonty3-gypsy subclass	DV159021
BP528038_at	-4.381009	Retroviral-like transposon Tnt 1-94	BP528038
BP529580_at	-4.3628116	Nicotiana tabacum mitochondrial DNA	BP529580
EB451707_at	-4.342008	alpha-tubulin	EB451707
C7453_at	-4.340214	ribosomal protein s4	BP136413
CV017513_x_at	-4.3181953	Light-harvesting complex II chlorophyll a/b binding protein	CV017513
C2681_at	-4.3098593	cation transmembrane transporter activity,	DV161118
EB429725_at	-4.2985387	Carbonic anhydrase	EB429725
C2825_at	-4.2883534	lactoylglutathione lyase family protein glyoxalase i family protein	DV160370
C9116_at	-4.2751703	peroxidase	AB044154
C5843_at	-4.262457	heat shock protein	EB432749
BP129876_at	-4.252146	Nicotiana tabacum mitochondrial DNA	BP129876
EB450715_at	-4.2434816	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	EB450715
C8359_at	-4.238681	albumin-like protei	BP532100
BP528723_at	-4.230765	putative zinc finger protein	BP528723
C393_at	-4.2249436	glutathione s-transferase	EB681909
C9322_at	-4.2183337	peroxidase	D42064
C10356_at	-4.18341	SWEET sucrose efflux transporter family proteins Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	EB439391
C9569_at	-4.1125474	albumin-like protein	BP534045
EB451707_s_at	-4.1073165	alpha-tubulin	EB451707
C3508_x_at	-4.0970893	MLP-like protein 28	EB451758
BP526778_at	-4.0759897		BP526778
C5343_x_at	-4.0746193	thaumatin-like protein	EB439475

CB329254_at	-4.064512	Nicotiana tabacum mitochondrial DNA	CB329254
EB643481_at	-4.0641065	cytochrome c oxidase subunit iii	EB643481
C10887_at	-4.0638595	acid:UDP-glucose glucosyltransferase activity	
C236_s_at	-4.0422745	aquaporin PIP1;4	EB683013
C7616_at	-4.042035	atpase subunit 6	BP134217
C4598_at	-4.028944	peroxidase	EB444756
AJ718319_at	-3.98529	ribosomal protein s3	AJ718319
C1179_at	-3.9662216	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein	EB677782
BP531863_at	-3.961955	Phenylalanine ammonia lyase (tpa1) gene	BP531863
C8747_at	-3.9587932	Lhcb1*9 gene for light harvesting chlorophyll a/b-binding protein	CV018261
EB431291_s_at	-3.9558463	UDP-D-glucuronate 4-epimerase	EB431291
C2942_at	-3.9509926	Serine-glyoxylate aminotransferase	DV159782
GC437_at	-3.9443657		
EB680720_at	-3.9388921	atpase subunit 8	EB680720
C4507_at	-3.9239736	glutathione s-transferase	EB445568
C5288_x_at	-3.9136536	phospholipase a2	EB439873
CV017513_at	-3.913401	Light-harvesting complex II chlorophyll a/b binding protein	CV017513
AY554170_at	-3.9111238	RAFFINOSE SYNTHASE	AY554170
C6_s_at	-3.8980467	aaa-type atpase family protein	EB684250
C6142_at	-3.8575892	17.6 kDa class I heat shock protein 3	EB429144
BP533822_at	-3.8488564	Drought sensitive 1, DRS 1	BP533822
C1580_at	-3.8478777	Polyketide cyclase/dehydrase and lipid transport superfamily protein	DW003495
BT2M345_at	-3.8218694	Nicotiana tabacum DNA, presumably centromeric region	AJ538904
C1432_at	-3.7632403	DAD1-LIKE LIPASE 1, DALL1, PHOSPHOLIPASE A I BETA 2, PLA-I{BETA}2	DW004396
C4235_at	-3.7582297	ferredoxin-like protein	EB447747
C6199_at	-3.747714	papain-like cysteine peptidase	EB428744
AB102805_x_at	-3.7381048	NtNRT1.1-s mRNA for nitrate transporter	AB102805

TT36_C12_at	-3.7352333	phosphoglycerate mutase	
BP130155_at	-3.7307806	Nicotiana tabacum mitochondrial DNA mannosyl (beta--)-glycoprotein beta--n-	BP130155
EB428418_at	-3.7274866	acetylglucosaminyltransferase	EB428418
C2898_at	-3.716907	fructose--bisphosphatase	DV159973
AY150216_at	-3.673891	Nicotiana tabacum mitochondrial DNA	AY150216
DV162116_at	-3.663173	galacturonosyltransferase	DV162116
EB433973_at	-3.6392977	putative PR-10 type pathogenesis-related protein	EB433973
EB678653_at	-3.636971	voltage-gated hydrogen channel 1-like	EB678653
DV999793_at	-3.6283705	ACT domain-containing protein	DV999793
EB680679_s_at	-3.6155524	atpase subunit 8	EB680679
BP531664_at	-3.6048503	Nuclear transcription factor Y subunit A-10-like	BP531664
C5288_at	-3.588098	phospholipase a2	EB439873
EB435763_at	-3.5609627	BAG family molecular chaperone regulator 6-like	EB435763
BP527848_at	-3.5584118	cytochrome c biogenesis fc	BP527848
AY775043_at	-3.5517988	exocyst subunit exo70 family protein	AY775043
BP525580_at	-3.5401268	Nicotiana tabacum mitochondrial DNA	BP525580
C8455_at	-3.5262396	induced resistance 2 protein (DIR2)	BP530866
C1598_at	-3.5241144	induced resistance 2 protein (DIR2)	DW003388
EB683696_at	-3.51848	Acidic leucine-rich nuclear phosphoprotein 32-related protein-like	EB683696
C9254_at	-3.5122328	Avr9/Cf-9 rapidly elicited protein 284 (ACRE284)	AY220484
C9311_s_at	-3.5110812	NtNRT1.1-s mRNA for nitrate transporter	AB102806
C1181_at	-3.5019798	Alpha-Expansin Gene Family	EB677778
BP131838_at	-3.4903142	Nicotiana tabacum DNA, presumably centromeric region	BP131838
EB680544_at	-3.4737852	ABC1-like kinase that regulates vitamin E metabolism.	EB680544
C143_s_at	-3.4730046	Thionin-like protein 2	EB683582
EB430306_s_at	-3.458606	heat shock protein 90	EB430306
M60464_x_at	-3.450024	beta--glucanase	M60464
C9254_s_at	-3.4259136	Avr9/Cf-9 rapidly elicited protein 284 (ACRE284)	AY220484
BP530419_at	-3.4230251		BP530419

BP129188_at	-3.3881066	atpase subunit 8	BP129188
EB680020_at	-3.370955	H <sup>+</sup> /hexose cotransporter.	EB680020
BP129871_at	-3.3678074		BP129871
C37_s_at	-3.3613646	aquaporin TIP1-3-like	EB684075
EB426811_at	-3.3549852	wd-40 repeat family protein	EB426811
CN498836_at	-3.345767	fmo1 (flavin-dependent monooxygenase 1) monooxygenase	CN498836
BP137485_at	-3.3400552	retrotransposon Tnt1	BP137485
C6907_at	-3.337086	lipid transfer	EB425248
C9333_at	-3.3271542	PHOSPHATE TRANSPORTER 2	AB042956
TT09_K08_at	-3.317697	aldose 1-epimerase	
BP132686_at	-3.3134615	kunitz trypsin inhibitor	BP132686
DW002872_at	-3.2964091	Nicotiana tabacum mitochondrial DNA	DW002872
TT06_C03_at	-3.2915757	DBP1-interacting protein 2 (DIP2)	
C3684_at	-3.2848847	PLAC8 family protein	EB450858
EB446997_x_at	-3.2826555	pit1 mRNA (which expression is induced by Pi starvation)	EB446997
C10630_at	-3.2690845	beta-amylase	EB680430
CV019467_x_at	-3.26416	ribulose--bisphosphate carboxylase oxygenase small subunit	CV019467
C2371_s_at	-3.246237	sugar transporter SWEET10-like	DV998924
BP527231_at	-3.2442727	BTB/POZ and TAZ domain-containing protein 4-like	BP527231
BP136441_at	-3.2406454	TRAF-like superfamily protein	BP136441
DW001791_at	-3.220373	Avr9/Cf-9 rapidly elicited protein 284 (ACRE284)	DW001791
C4250_x_at	-3.2063322	Xyloglucan endotransglucosylase/hydrolase protein 9	EB447692
CV016014_x_at	-3.1983871	putative PLA2 (F8)	CV016014
C11679_at	-3.1906672	nadh dehydrogenase subunit 5	BP529925
BP131118_at	-3.1897209	Nicotiana tabacum mitochondrial DNA	BP131118
C550_at	-3.1671932	O-fucosyltransferase family protein	EB681095
TT47_L06_at	-3.1532412	LYR family of Fe/S cluster biogenesis protein	
C6266_at	-3.1330385	acetyl-coenzyme a synthetase	EB428408
EB445478_x_at	-3.132642	pit1 mRNA (which expression is induced by Pi starvation)	EB445478
DV159331_at	-3.1313615	alkaline alpha-galactosidase seed imbibition protein (SIP)	DV159331



EB437562_at	-3.13132		EB437562
C5037_s_at	-3.121037	catalase 3 (cat3 gene)	EB441492
EB446997_at	-3.114391	pit1 mRNA (which expression is induced by Pi starvation)	EB446997
TT47_C01_at	-3.1086848	arabinogalactan-like protein	
EB427127_at	-3.1079755	Solanum tuberosum isolate Ta apoplastic invertase (InvGE) mRNA	EB427127
TT17_F18_s_at	-3.105929	galacturonosyltransferase-like 3-like	
BP130907_at	-3.0969625	NAD(P)-binding Rossmann-fold superfamily protein	BP130907
BP527738_at	-3.08132	NADH dehydrogenase subunit 5	BP527738
BP134299_at	-3.0665586	Nicotiana tabacum mitochondrial DNA	BP134299
EB436375_x_at	-3.0559337	zerumbone synthase-like	EB436375
C8112_at	-3.0491967	polyamine oxidase	BP534683
C11236_at	-3.0473857	amine oxidase	BP530736
DV161606_at	-3.0414233		DV161606
DV999434_at	-3.0227516	polygalacturonase	DV999434
T209_at	-3.0049105	Nicotiana tabacum mitochondrial DNA	
C5423_at	-3.0024772	Chlorophyll a-b binding protein CP26	EB438962
C11348_at	-2.984963	quinolinate phosphoribosyltransferase1	CV020323
DW000655_at	-2.9827893		DW000655
T153_at	-2.9605412	Nicotiana tabacum mitochondrial DNA	
C8254_at	-2.9563313	cytochrome p450 CYP82E5v2	BP533216
EB447307_s_at	-2.9463966	transcription factor bHLH18-like	EB447307
BP534122_at	-2.9409525		BP534122
BP525705_at	-2.935501	sodium-coupled neutral amino acid transporter 5-like	BP525705
C1743_at	-2.9197388	histone h2b	DW002418
C6171_at	-2.916211	pectinesterase	EB428898
TT03_O23_at	-2.9130983	aldose 1-epimerase	
C9832_at	-2.9062102	cysteine proteinase inhibitor	BP534077
C1903_at	-2.8775864	cytochrome p450	DW001428
C5069_s_at	-2.8753145	polygalacturonase isoenzyme 1 beta subunit	EB441302
C5985_at	-2.8733537	heat shock protein	EB431208

EB444719_x_at	-2.8730185	chaperone protein dnaJ 8	EB444719
C7027_at	-2.8709993	Transcription factor bHLH25	AB204829
C5885_s_at	-2.8701634	glutathione s-transferase	EB432255
TT33_K04_at	-2.8626866	ubiquitin-conjugating enzyme E2 23	
C6956_at	-2.861001	Translocon-associated protein (TRAP) SAR8.2e which responds to agents that induce systemic acquired	EB424969
C24_s_at	-2.854682	resistance	EB684159
C4928_s_at	-2.8546064	secoisolariciresinol dehydrogenase-like	EB442222
C2702_at	-2.8454409	protease inhibitor seed storage lipid transfer proteinfamily protein	DV160970
C6231_at	-2.8368068	heat shock protein 90 SAR8.2c which responds to agents that induce systemic acquired	EB428595
DV161065_s_at	-2.836258	resistance mRNA	DV161065
BP137081_at	-2.8204827	E3 ubiquitin-protein ligase COP1-like	BP137081
CV020150_x_at	-2.8100994		CV020150
EB683696_s_at	-2.8094437	Acidic leucine-rich nuclear phosphoprotein 32-related protein-like	EB683696
C6641_at	-2.8028076	neutral invertase-like protein	EB426499
BP534259_at	-2.7948687	tetrahydrocannabinolic acid synthase-like	BP534259
EB444556_s_at	-2.7945952	non-specific lipid-transfer protein-like	EB444556
TT28_H02_at	-2.7939165	mitogen-activated protein kinase kinase kinase 3-like	
C4411_at	-2.7861896	ac022472_2pigpen protein from mus musculus gb	EB446413
C6231_x_at	-2.7843373	heat shock protein 90	EB428595
EB431374_at	-2.7800696	peroxisome biogenesis factor 10-like	EB431374
DV160049_at	-2.774689		DV160049
C8124_at	-2.76755	histone h4	BP534600
C10311_s_at	-2.76038	DREB subfamily A-1 of ERF/AP2 transcription factor family (DDF1	
T462_at	-2.7554526	Nicotiana tabacum mitochondrial DNA	
BP135943_at	-2.7549458	AP4.3A, L-TYPE LECTIN RECEPTOR KINASE S.2	BP135943
TT31_A15_at	-2.754783	Cystathionine beta-synthase	
C4939_at	-2.7440186	Leucine-rich repeat-containing protein	EB442159
BP531865_at	-2.7291996		BP531865
C4022_at	-2.7270267	aquaporin	EB449084
CV021368_at	-2.72589		CV021368

C6191_at	-2.7246397	sucrose synthase	EB428780
EB429701_at	-2.7161114		EB429701
C10962_at	-2.715155	aldose 1-epimerase	
C8966_at	-2.7078571	aspartyl protease family protein	BU673942
TT19_B11_at	-2.7040038	50s ribosomal protein l16	
C5973_at	-2.699288	17.6 kDa class I heat shock protein 3	EB431324
EB682336_at	-2.6973374		EB682336
C6208_at	-2.6892607	copper amine oxidase	EB428695
DW003963_at	-2.6868863	transferase family protein	DW003963
TT02_M21_at	-2.6641169	dioxygenase	
C5276_at	-2.65727		EB439969
DV161477_s_at	-2.6497838	sugar transporter	DV161477
BP130283_at	-2.6487777	Nicotiana tabacum mitochondrial DNA	BP130283
EB677226_at	-2.644451	kda oleosin	EB677226
EB440080_x_at	-2.6433945	RubisCO	EB440080
C10056_s_at	-2.6425142	arabinogalactan-like protein	EB450954
EB680131_at	-2.6390684		EB680131
CV020540_at	-2.62697	Populus EST from severe drought-stressed leaves	CV020540
TT50_D22_at	-2.6140966	RAP2.1, RELATED TO AP2 1	
C3446_s_at	-2.613355	polyamine oxidase	EB452084
EB426685_at	-2.6098728	potassium transporter	EB426685
C6465_at	-2.6086302	ACT domain-containing protein	EB427509
EB442308_s_at	-2.5988853	aspartate aminotransferase	EB442308
C4250_at	-2.5852263	Xyloglucan endotransglucosylase/hydrolase protein 9	EB447692
C6137_at	-2.5843782	heat shock protein 90	EB429210
C9204_at	-2.5823977	phospholipase a2	AB190178
C7763_at	-2.5814195	monocopper oxidase-like protein SKU5-like	BP131567
AF211628_at	-2.580715	ARM repeat superfamily protein	AF211628
CV021154_x_at	-2.5791857	low-temperature-induced cysteine proteinase-like	CV021154
C10760_s_at	-2.576857	at3g07470 f21o3_18	

EB431233_at	-2.5764585	Cytosolic class I small heat shock protein 3B (sHSP3B) gene	EB431233
C1786_at	-2.5741305	papain-like cysteine peptidase	DW002090
C5740_at	-2.5732017	beta-amylase	EB434926
TT10_K08_s_at	-2.57254	Ethylene-responsive transcription factor ERF110	
C4870_at	-2.569885	carotenoid oxygenase	EB442649
C8630_x_at	-2.559689	photosystem i reaction center subunit iii	CV020176
EB446845_x_at	-2.5557916	Nicotiana tabacum Sar8.2k gene	EB446845
BP530319_at	-2.5533895		BP530319
BP534122_x_at	-2.549858		BP534122
EB677884_s_at	-2.547583	serine carboxypeptidase-like 42	EB677884
C5740_s_at	-2.5437977	beta-amylase	EB434926
C10839_at	-2.543086	MEMBRANE TRYPTOPHAN-RICH SENSORY PROTEIN	EB677368
BP136522_at	-2.5394735	salicylic acid-binding protein 2-like	BP136522
EB438150_at	-2.5367901	at1g32160 f3c3_6	EB438150
C3863_at	-2.5366602	RAFFINOSE SYNTHASE	EB449916
TT07_N11_at	-2.5355651	ABC1-like kinase that regulates vitamin E metabolism.	
C6137_x_at	-2.5249946	heat shock protein 90	EB429210
EB679741_at	-2.5217779	pectinesterase	EB679741
C792_at	-2.5203104	Regulator of chromosome condensation (RCC1)	EB679895
CV017388_at	-2.5169308	ribulose--bisphosphate carboxylase oxygenase small subunit	CV017388
EB440516_at	-2.5085087	lysophospholipase-like protein	EB440516
C1333_at	-2.50825	Non-specific lipid-transfer protein 4	DW004961
EB679470_at	-2.5063202	mgc88948 protein	EB679470
BP131649_at	-2.505252	Tobacco mtDNA for ATPase subunit 6	BP131649
DW005019_at	-2.4946837	cytochrome p450	DW005019
EB425986_at	-2.492149	ghmp kinase	EB425986
C11697_at	-2.4819403	Gag-Pol polyprotein	BQ843094
C428_at	-2.4813318		EB681726
EB430786_at	-2.4803529	chaperone regulator 6	EB430786
BP528691_at	-2.476809		BP528691
TT31_A10_at	-2.461739		

C9055_at	-2.4542696	26S proteasome non-ATPase regulatory subunit 1-like	AJ717852
C7594_at	-2.4484427		BP134549
C3800_at	-2.4431608		EB450211
C1014_at	-2.4392545	Glycoprotein membrane precursor GPI-anchored	EB678737
EB443226_x_at	-2.4360955	Germin-like protein subfamily 1 member 20	EB443226
C3655_at	-2.428324	Cupredoxin superfamily protein	EB451011
		Bifunctional inhibitor/lipid-transfer protein/seed storage 2S	
C9206_s_at	-2.4263856	albumin-like protein	AY554167
TT41_D15_at	-2.4258676	vamp-associated protein	
EB451987_at	-2.4220624	inositol monophosphatase	EB451987
BP137193_at	-2.415728		BP137193
BC4M432_at	-2.4152899	protein transport protein SEC23-like	AJ538733
EB442947_s_at	-2.4141524	beta-1,4-N-acetylglucosaminyltransferase family protein	EB442947
BT2M2412_at	-2.411904		AJ538880
C10130_at	-2.4117153	cysteine proteinase inhibitor b (cystatin b)	
GC434B_at	-2.4065492	TPR and ankyrin repeat-containing protein 1-like	
TT11_O12_at	-2.4049969	galactinol-sucrose galactosyltransferase 5-	
EB429801_s_at	-2.4038336		EB429802
AJ718659_x_at	-2.4031546	proline-rich receptor-like protein kinase PERK12	AJ718659
EB449645_s_at	-2.4028506	alpha-amylase	EB449645
C6617_x_at	-2.401544	early light-inducible protein.	EB426597
EB444453_at	-2.400844		EB444453
C1415_at	-2.3986843	iron transporter-like protein	DW004494
C6369_at	-2.3925219	histone h2b	EB427933
DV999608_at	-2.3897138		DV999608
C3609_s_at	-2.3833191	Xyloglucan endotransglucosylase/hydrolase protein 9	EB451243
C7957_at	-2.3802514	fpa rna binding	BP128668
C11059_at	-2.3787146	cysteine proteinase inhibitor	EB425702
EB446455_at	-2.375962	Arabidopsis thaliana: arabinogalactan protein 12	EB446455
C9564_at	-2.3728573	Induced stolon tip protein mRNA	EB448517
GC171_at	-2.3714638	putative hydrolase	

C2051_at	-2.3648643	4-hydroxyphenylpyruvate dioxygenase	DW000597
BP533174_at	-2.3621824	ABC transporter C family member 10-like	BP533174
EB450697_x_at	-2.3619397	Xyloglucan endotransglucosylase/hydrolase protein 16	EB450697
C5964_at	-2.3590367	SUN domain-containing protein 2-like	EB431397
C3356_at	-2.3543544	group 3 late embryogenesis abundant protein	DV157779
C6991_at	-2.348284	maternal effect embryo arrest 66	EB424810
C29_x_at	-2.3477788	Protein SAR8.2e	EB684133
C10056_at	-2.3452947	arabinogalactan-like protein	EB450954
DW004672_at	-2.3433332		DW004672
C772_at	-2.342718	heat shock protein (TFHS1)	EB679970
CV019239_at	-2.342423	metallothionein-like protein type 2	CV019239
TT03_l20_at	-2.3416605	F-box/RNI-like superfamily protein	
C1287_s_at	-2.3397105	PAP85	EB677224
EB679262_x_at	-2.339041	heat shock protein	EB679262
		Protease inhibitor/seed storage/lipid transfer protein (LTP) family	
C8587_at	-2.3339953	protein	CV020963
C871_s_at	-2.331475	protease inhibitor seed storage lipid transfer proteinfamily protein	EB679527
BP534208_at	-2.331441	CSC1-like protein ERD4	BP534208
CV015963_s_at	-2.3300474	Thionin-like protein 2-like	CV015963
EB643479_x_at	-2.325133	proline oxidase/dehydrogenase 2 (PROX2)	EB643479
C9143_at	-2.3098526	lipoyxygenase	X84040
C7752_s_at	-2.3041835	aquaporin	BP131810
EB446638_at	-2.3000586	reticuline oxidase-like	EB446638
EB452125_at	-2.2955952		EB452125
C7998_at	-2.2936218	ALUMINUM SENSITIVE 3	BP128380
C3209_at	-2.2867115	Alpha-xylosidase	DV158466
C5107_at	-2.2768931	MLP-like protein 31 (MLP31)	EB440996
DW004941_at	-2.2731123	RAFFINOSE SYNTHASE	DW004941
BP132553_at	-2.2692833	Nicotiana tabacum mitochondrial DNA, complete genome	BP132553
TT07_l14_at	-2.268137		
C6887_at	-2.2633224	Cysteine/Histidine-rich C1 domain family protein	EB425344

C3748_x_at	-2.262522	O-methyltransferase-like protein	EB450534
C6117_at	-2.2604992	heat shock protein	EB429529
C10869_at	-2.2604768	lea protein	
BP137183_at	-2.2594595	Chromatin Assembly Factor-1 (CAF-1) p150 subunit	BP137183
AJ632831_x_at	-2.2531464	c-4 sterol methyl oxidase	AJ632831
C9334_s_at	-2.2526627	PHOSPHATE TRANSPORTER 2	AB042950
TT05_F19_at	-2.2510064	transcription factor MYB86-like	
C5292_at	-2.2499661	early nodulin-like protein 18	EB439830
EB683068_at	-2.2480867		EB683068
BP131998_at	-2.243806	Nicotiana tabacum mitochondrial DNA	BP131998
C4435_at	-2.239253	Xyloglucan endotransglucosylase/hydrolase protein 15	EB446175
BP131893_at	-2.2378294	peroxisome biogenesis factor 10-like	BP131893
TT06_E04_at	-2.2346334		
C11035_at	-2.231829	nitric oxide synthase interacting protein	BP129459
BP527973_at	-2.2312772	G protein-coupled receptor-like protein	BP527973
C10429_at	-2.224662	protein	CB305334
C1709_x_at	-2.2225869	Haloacid dehalogenase-like hydrolase (HAD)	DW002648
C9763_at	-2.2173915	Pollen Ole e 1 allergen and extensin family protein	EB680840
BP525606_at	-2.217049	ATP synthase subunit 9, mitochondrial	BP525606
C9335_at	-2.213248	PHOSPHATE TRANSPORTER 2	AB020061
BQ843149_at	-2.2115247	cation transport regulator-like protein 2	BQ843149
EB445734_at	-2.2097318		EB445734
C3209_s_at	-2.208844	Alpha-xylosidase	DV158466
BP132194_at	-2.2086256	mitochondrion	BP132194
EB683193_at	-2.2051725	aaa-type atpase family protein	EB683193
C1241_s_at	-2.2044146	Glycine-rich protein / oleosin	EB677486
TT03_E19_at	-2.198844		
C8479_at	-2.1953485	26S ribosomal RNA gene	BP530688
CV020612_at	-2.1921551	heat shock cognate 70 kDa protein	CV020612
C7814_at	-2.1871774	hat family dimerisation	BP130842

		Protease inhibitor/seed storage/lipid transfer protein (LTP) family	
C9378_at	-2.1834865	protein	AB041516
C5887_at	-2.1834462		EB432240
C84_at	-2.1817589		EB683863
CV018410_x_at	-2.1807387	Xyloglucan endotransglycosylase/hydrolase 16 protein	CV018410
X63106_at	-2.180127	heat shock protein 70	X63106
C9204_x_at	-2.1780686	phospholipase a2	AB190178
		NtSN1b mRNA for putative PR-10 type pathogenesis-related	
C8883_x_at	-2.1776156	protein	CV015950
C143_at	-2.1769414	Thionin-like protein 2	EB683582
TT14_A22_at	-2.1748075	chloroplast omega-6 fatty acid desaturase	
BP526174_at	-2.1651623	RNI-like superfamily protein	BP526174
C8287_at	-2.1649358	late embryogenesis abundant lea	BP532844
BP532414_at	-2.1619809	Arabidopsis thaliana: extensin-like protein	BP532414
DW003095_at	-2.1619358		DW003095
C7180_at	-2.159443	cytochrome oxidase subunit i	BP528067
C3223_at	-2.155962	beta-glucosidase	DV158410
C5973_s_at	-2.1552353	17.6 kDa class I heat shock protein 3	EB431324
C5127_at	-2.1517894	N-MYC downregulated-like 1 (NDL1)	EB440888
EB450398_at	-2.1512008	Proline oxidase/dehydrogenase (didiA15)	EB450398
C10872_at	-2.1502712	pathogenesis-related protein 1	X03465
		peroxisomal protein involved in the activation of fatty acids through	
DV160965_at	-2.1496022	esterification with CoA.	DV160965
BP535253_at	-2.1494193	PRKR-interacting protein 1	BP535253
EB427724_at	-2.143444	alpha-amylase	EB427724
C3129_x_at	-2.1415937	histone h2b	DV158840
EB426889_at	-2.14114	ketose-bisphosphate aldolase class-II-like protein	EB426889
		NtSN1b mRNA for putative PR-10 type pathogenesis-related	
C8883_at	-2.1367583	protein	CV015950
BP535097_at	-2.1306133	germin-like protein	BP535097



C8936_at	-2.1291919	PRP1 precursor (PRP1) mrna inducible by salicylic acid or by tmv during systemic acquired	BQ843040
CV019585_x_at	-2.1258273	resistance	CV019585
C8433_at	-2.1246064		BP531124
BP136580_at	-2.118964	s-locus receptor kinase	BP136580
TT33_J09_at	-2.1091945	PCI domain-containing protein 2	
EB451598_at	-2.1090612		EB451598
C950_at	-2.1070871		EB679080
TT29_J08_at	-2.1021206		
C10020_at	-2.100122	protein	
CV018362_at	-2.0945218	serpin-ZX-like	CV018362
CV018410_at	-2.0899997	Xyloglucan endotransglycosylase/hydrolase 16 protein	CV018410
C4043_at	-2.0888963		EB448977
BP531940_at	-2.0885968		BP531940
DW004733_s_at	-2.0874867	Chromatin modification-related protein EAF6	DW004733
TT06_J19_at	-2.0870926	---NA---	
C11187_at	-2.0870447	protein kinase family protein	BP132993
TT41_J13_at	-2.0860012	alkaline alpha-galactosidase seed imbibition protein (SIP)	
EB441033_at	-2.08264	member of the MATH-BTB domain proteins (BPMs)	EB441033
C9335_s_at	-2.0822518	PHOSPHATE TRANSPORTER 2	AB020061
EB441893_at	-2.0818446	protein	EB441893
TT29_C02_s_at	-2.0798225	pyridoxine biosynthesis protein	
BP527234_at	-2.0797946	UV-stimulated scaffold protein A	BP527234
C5813_s_at	-2.077762	heat shock protein 101	EB433301
C8806_x_at	-2.0731096	Arabidopsis thaliana: extensin-like protein	CV017222
DV999427_at	-2.070079	calmodulin	DV999427
C8337_at	-2.0693405		BP532380
		heavy-metal-associated domain-containing protein copper	
DW002621_at	-2.0637765	chaperone-related	DW002621
C6759_at	-2.0623534	probable carbohydrate esterase	EB425998
EB429951_at	-2.061939	monoglyceride lipase	EB429951
BP529899_at	-2.060862	lactoylglutathione lyase family protein glyoxalase i family protein	BP529899

C5472_at	-2.0584161	indoleacetic acid-induced-like protein	EB438673
EB433648_x_at	-2.0570881	cytochrome oxidase subunit i	EB433648
TT27_B09_at	-2.055985	TRAF-like superfamily protei P-loop containing nucleoside triphosphate hydrolases superfamily	
BP528851_at	-2.0539594	protein;	BP528851
EB447080_at	-2.052062	germin-like protein subfamily 1 member 20	EB447080
EB439362_at	-2.0520182	programmed cell death 4	EB439362
C3183_at	-2.0461457	group 3 late embryogenesis abundant protein	DV158564
C7143_at	-2.044557	contig2 mitochondrion	BP528639
TT37_M24_at	-2.044124	microtubule-associated protein TORTIFOLIA1-like	
X95932_s_at	-2.04402	glutamine synthetase	X95932
EB435650_at	-2.0427907	boron transporter 1-like	EB435650
EB446762_s_at	-2.0420508		EB446762
EB430960_x_at	-2.0379622		EB430960
EB444345_at	-2.0361989	cytochrome p450 CYP82E5v2	EB444345
EB443226_s_at	-2.0355363	Germin-like protein subfamily 1 member 20	EB443226
GC302_s_at	-2.0355146	peroxidase 5-like	
C10717_at	-2.033397	bap2 (bon association protein 2)	
BT1M4115_at	-2.0286882	F-box protein At5g07610-like [Solanum lycopersicum]	AJ538819
EB451887_at	-2.0286195	myb family transcription factor	EB451887
C5037_at	-2.0285594	catalase 3 (cat3 gene)	EB441492
EB441799_at	-2.0250084		EB441799
BP530000_at	-2.0242217	Galactose oxidase/kelch repeat superfamily protein	BP530000
EB431233_s_at	-2.0202181	Cytosolic class I small heat shock protein 3B (sHSP3B) gene	EB431233
C6057_at	-2.0187404	heat shock protein	EB430305
C5567_at	-2.016933	alpha-amylase	EB438092
DW003900_at	-2.015043	protein transport protein sec13	DW003900
BP129793_at	-2.012531		BP129793
C7273_s_at	-2.0120072	nuclear transcription factor Y subunit A-9-like	BP526733
C10297_at	-2.008168	beta-galactosidase	BP531914
AF057372_at	-2.0041025		AF057372

BP135039\_at  
C697\_at

-2.001278  
-2.0009944 NUCLEAR FACTOR Y, SUBUNIT A1

BP135039  
EB680325