

Manuscript title:

**Transcriptomic and metabolomic analyses identify a role for chlorophyll catabolism and phytoalexin during *Medicago* nonhost resistance against Asian soybean rust**

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Running title:

Omics of *M. truncatula*-soybean rust interaction

For correspondence:

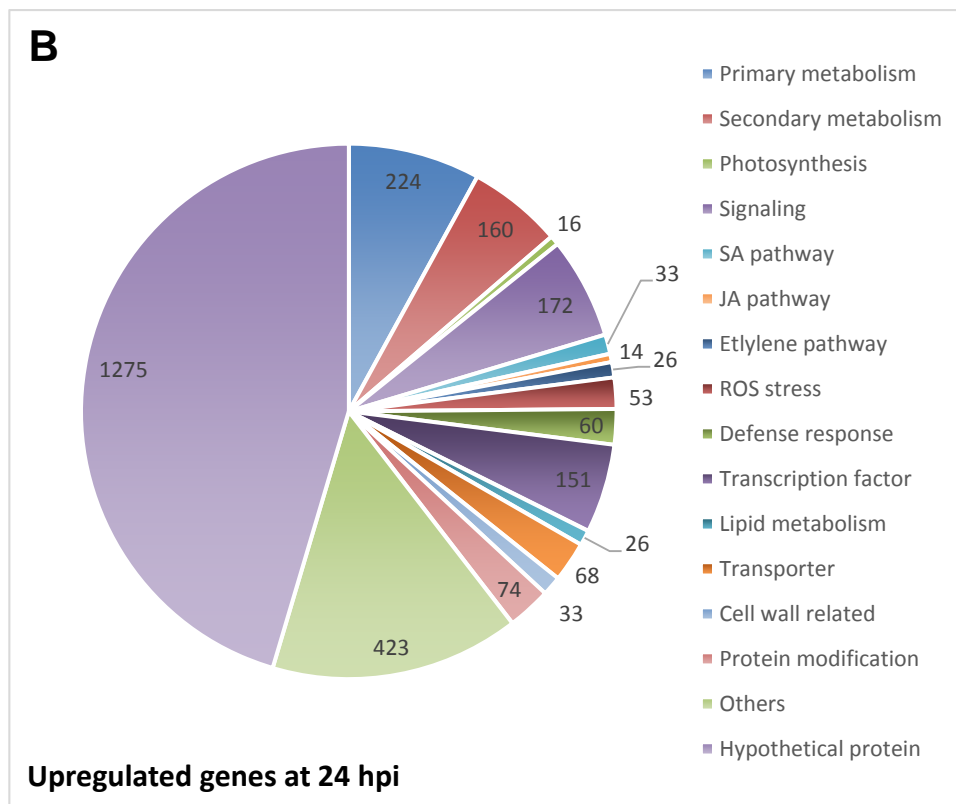
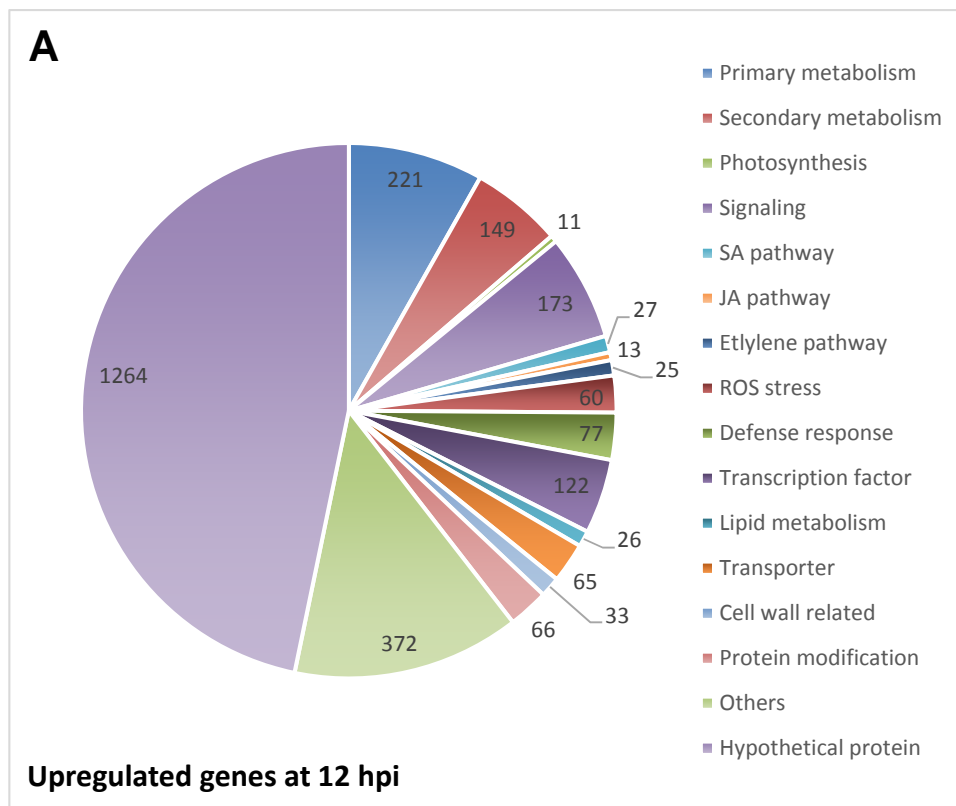
Kirankumar S. Mysore

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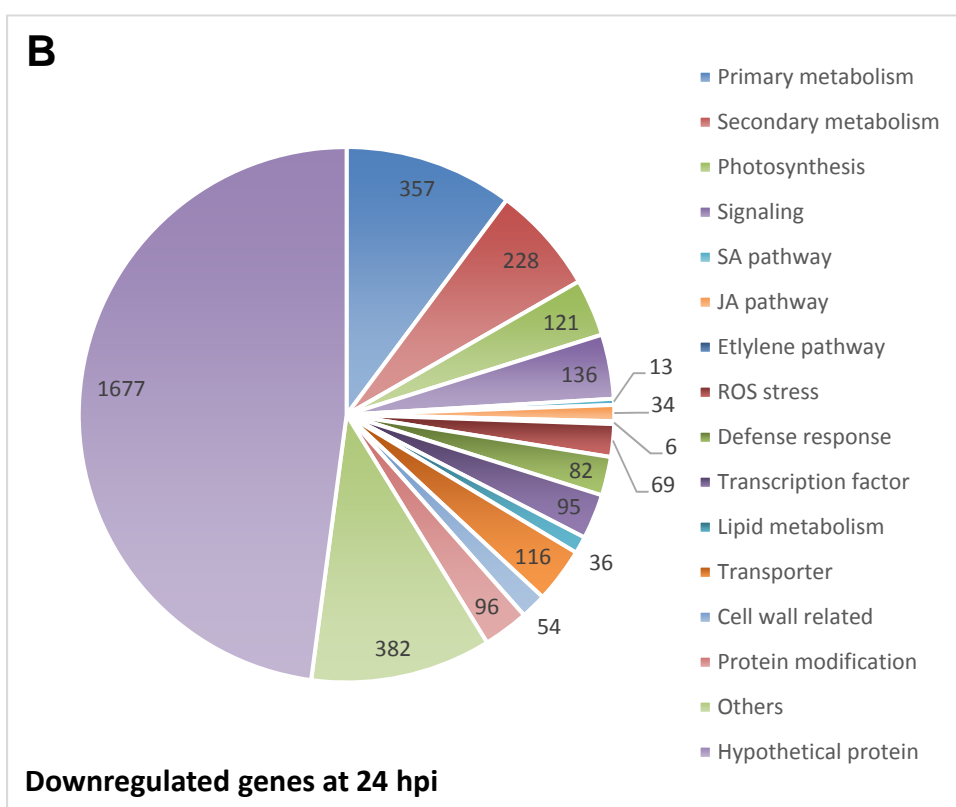
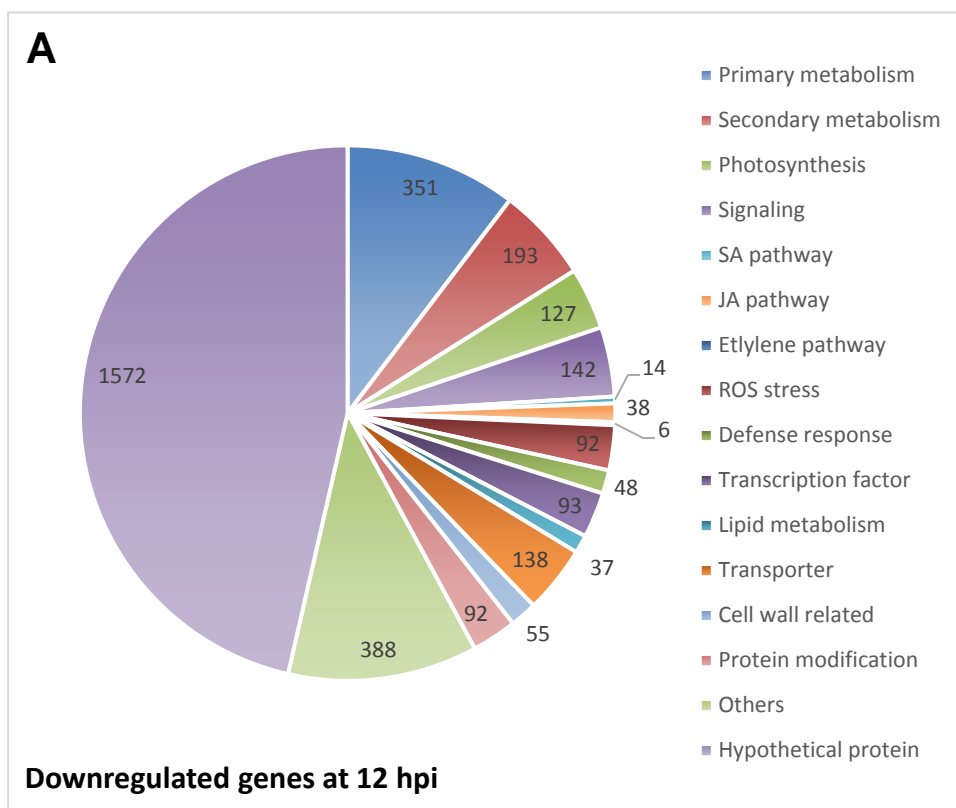
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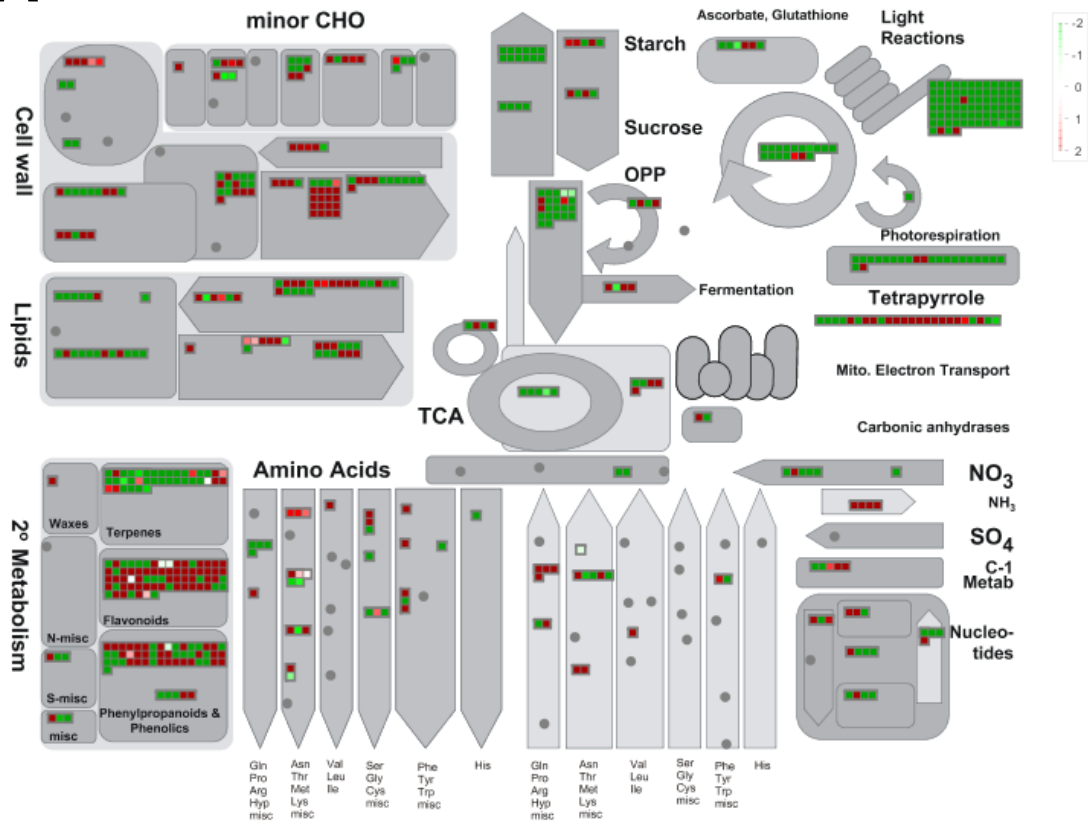
**Supplementary Figure S1.** Piecharts showing functional classification of upregulated genes during *M. truncatula*-*P. pachyrhizi* interactions at 12 (A) and 24 (B) hours postinoculation (hpi).



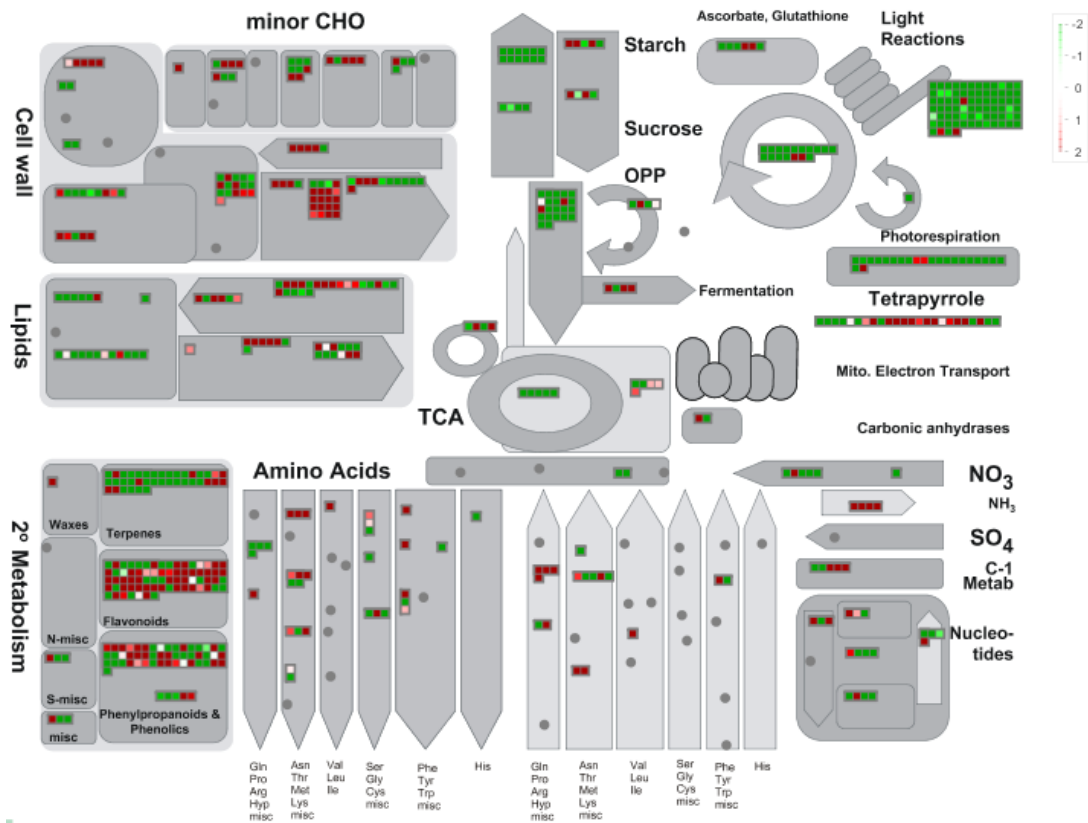
**Supplementary Figure S2.** Piecharts showing functional classification of downregulated genes during *M. truncatula*-*P. pachyrhizi* interactions at 12 (A) and 24 (B) hours postinoculation (hpi).

Fig. S3

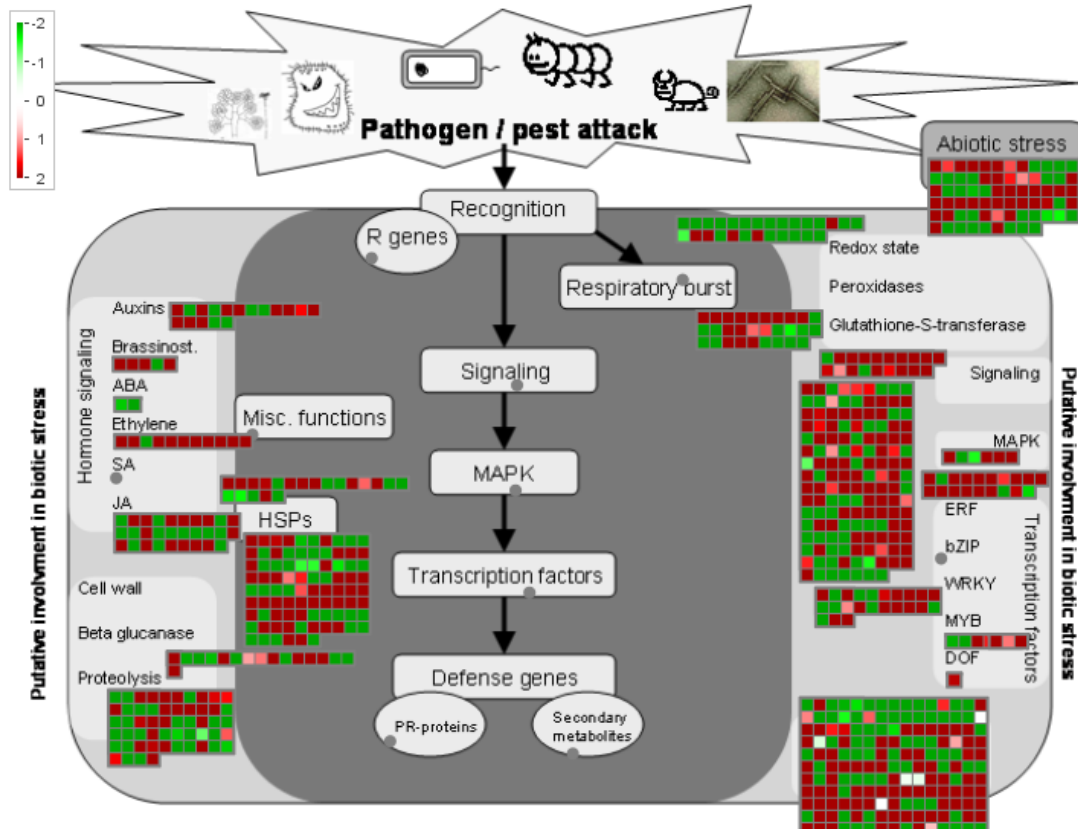
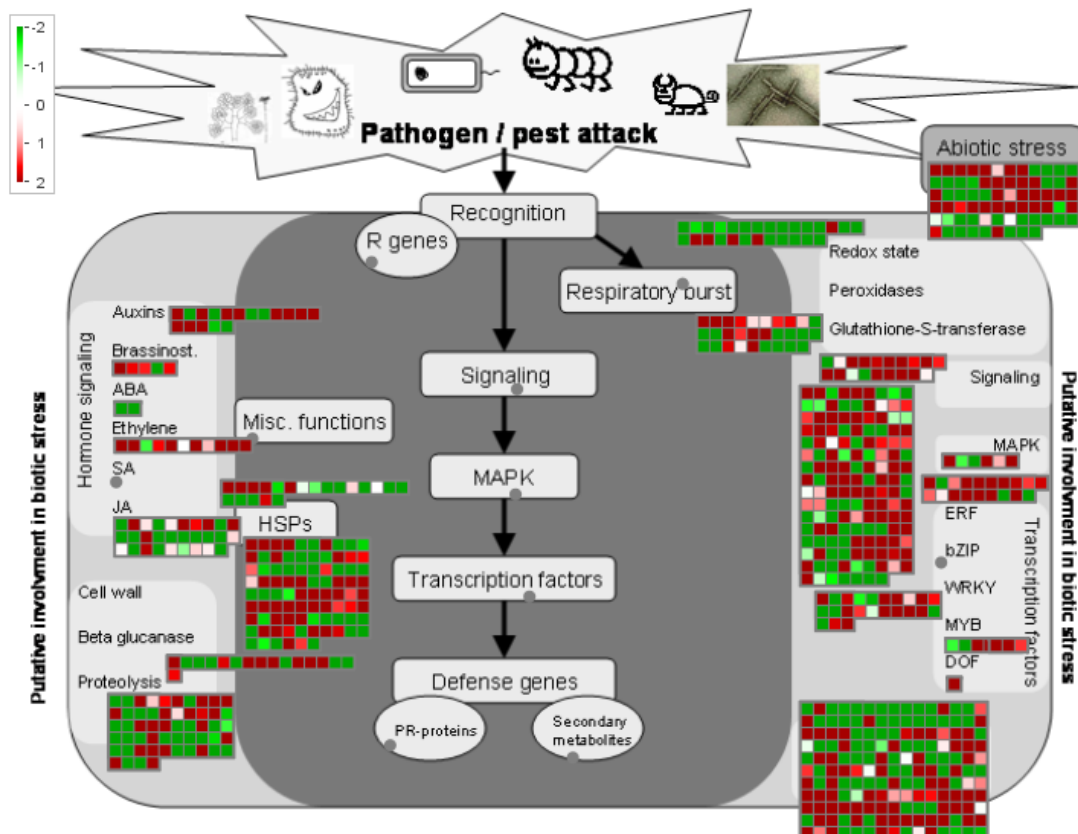
A



B



**Supplementary Figure S3.** MAPMAN illustration of *Medicago truncatula* Affymetrix data showing the genes during *M. truncatula*-*P. pachyrhizi* interactions at 12 (A) and 24 (B) hours postinoculation (hpi). Red indicates up-regulation and green indicates down-regulation.

**A****Fig. S4****B**

**Supplementary Figure S4.** MAPMAN illustration of *Medicago truncatula* Affymetrix data showing the genes involved in stress responses during *M. truncatula*-*P. pachyrhizi* interactions at 12 (A) and 24 (B) hours post inoculation (hpi). Red indicates up-regulation and green indicates down-regulation.



A

R108

*stay-green*

B

*Stay-green* RNAi line

WT

#17

#39



**Supplementary Figure S5.** Disease symptom development of *M. truncatula* and alfalfa leaves inoculated with *Colletotrichum trifolii*. (A) Disease symptom development of *M. truncatula* wild-type R108 and *sgr* mutant at 4 days post-inoculation (dpi). Four-week-old *M. truncatula* wild-type R108 and *sgr* mutant were spot-inoculated with 10  $\mu$ l of  $1 \times 10^6$  spores/mL in 0.005% Tween 20. Photos were taken 5 days after inoculation. (B) Disease symptom development of alfalfa wild-type and *SGR*-RNAi lines at 4 dpi. Alfalfa leaves were inoculated in the same fashion as *M. truncatula* lines described above. All the experiments were repeated at least thrice with similar results.

**Supplementary Table S1. Upregulated genes at 12 hours after inoculation with soybean rust**

<b>Probesets</b>	<b>Target Description</b>	<b>Fold induction</b>
Mtr.37395.1.S1_at	Deoxycytidine deaminase	869.00
Mtr.43146.1.S1_at	Branched-chain-amino-acid aminotransferase 2	684.50
Mtr.15537.1.S1_at	Hypothetical protein	498.39
Mtr.18650.1.S1_at	Glycoside hydrolase, family 17	483.72
Mtr.20464.1.S1_x_at	Naringenin-chalcone synthase	453.88
Mtr.19796.1.S1_at	Hypothetical protein	448.29
Mtr.43467.1.S1_at	Hypothetical protein	425.57
Mtr.37375.1.S1_at	Hypothetical protein	417.63
Mtr.17526.1.S1_at	Hypothetical protein	417.11
Mtr.8498.1.S1_s_at	Asparagine synthetase	388.70
Mtr.22656.1.S1_s_at	Deoxycytidylate deaminase	385.47
Mtr.1538.1.S1_at	Hypothetical protein	335.94
Mtr.11725.1.S1_at	Isoflavone synthase	332.58
Mtr.45667.1.S1_x_at	Naringenin-chalcone synthase	328.39
Msa.1736.1.S1_at	Hypothetical protein	304.80
Mtr.5486.1.S1_s_at	Hypothetical protein	301.78
Mtr.11267.1.S1_at	Protein kinase-like protein	273.51
Mtr.35334.1.S1_s_at	Hypothetical protein	262.59
Mtr.18127.1.S1_at	Hypothetical protein	253.13
Mtr.33212.1.S1_s_at	Beta-glucosidase	228.45
Mtr.8498.1.S1_at	Asparagine synthetase	222.37
Mtr.44900.1.S1_at	Hypothetical protein	222.02
Mtr.8417.1.S1_at	Mitochondrial uncoupling protein (UCP protein)	215.40
Msa.2530.1.S1_s_at	Hypothetical protein	214.94
Msa.2901.1.S1_s_at	Hypothetical protein	211.08
Mtr.44354.1.S1_at	Cytochrome P450 monooxygenase	210.43
Msa.1879.1.S1_s_at	Hypothetical protein	199.51
Mtr.40147.1.S1_s_at	Class 10 PR protein	199.02
Mtr.44559.1.S1_at	Hypothetical protein	198.53
Mtr.37984.1.S1_at	Adenosine nucleotide translocator	194.52
Mtr.43830.1.S1_at	Hypothetical protein	193.67
Mtr.9372.1.S1_at	DnaJ protein	190.99
Mtr.12193.1.S1_at	RCa12	189.00
Mtr.40564.1.S1_at	Beta-glucosidase	188.98
Mtr.45497.1.S1_s_at	Geraniol synthase	187.17
Mtr.40120.1.S1_at	Cationic peroxidase 1 precursor (PNPC1)	181.77
Mtr.15678.1.S1_s_at	Aldo/keto reductase	180.19
Mtr.17404.1.S1_s_at	Aldo/keto reductase	179.94
Msa.1060.1.S1_at	Hypothetical protein	175.79
Mtr.23578.1.S1_s_at	Polygalacturonase-inhibiting protein precursor	175.72
Mtr.44496.1.S1_at	AP2 domain-containing protein AP29-like	168.51
Mtr.11851.1.S1_at	Hypothetical protein	165.21
Mtr.51826.1.S1_at	Hypothetical protein	164.22
Mtr.35755.1.S1_at	Hypothetical protein	161.83
Mtr.43284.1.S1_at	Alcohol dehydroge	145.45
Msa.2530.1.S1_at	Hypothetical protein	143.16
Mtr.29026.1.S1_at	Hypothetical protein	142.69
Mtr.10502.1.S1_s_at	Glutathione S-transferase	142.41
Mtr.43363.1.S1_at	Syringolide-induced protein 13-1-1	142.17
Mtr.34114.1.S1_s_at	Pathogenesis related protein	139.27
Mtr.410.1.S1_s_at	Isoflavone reductase	134.94
Mtr.16278.1.S1_at	Proteinase inhibitor I12	133.70

Mtr.43189.1.S1_at	Disease resistance response protein	131.36
Mtr.17621.1.S1_x_at	Naringenin-chalcone synthase	128.32
Mtr.17612.1.S1_x_at	Naringenin-chalcone synthase	127.58
Mtr.42416.1.S1_at	Hypothetical protein	127.45
Mtr.21662.1.S1_at	Plant integral membrane prote	126.40
Mtr.37358.1.S1_s_at	Cytochrome P450 71B13	126.22
Mtr.42989.1.S1_at	Thaumatococcus-like protein PR-5b	126.14
Mtr.42268.1.S1_at	Inositol oxygenase (Myo-inositol oxygenase)	125.59
Mtr.43008.1.S1_at	Hypothetical protein	124.73
Mtr.48534.1.S1_at	Cytochrome b561 / ferric reductase	122.44
Mtr.34158.1.S1_s_at	Hypothetical protein	120.76
Mtr.15831.1.S1_s_at	Hypothetical protein	120.18
Mtr.11055.1.S1_at	SRG1 protein	119.87
Mtr.10434.1.S1_at	SRG1 protein	117.95
Mtr.22592.1.S1_at	Cytosolic fructose-1,6-bisphosphatase	115.88
Mtr.6667.1.S1_at	Cytochrome P450 monooxygenase	115.48
Mtr.46391.1.S1_at	Hypothetical protein	111.35
Mtr.49411.1.S1_at	Hypothetical protein	111.22
Mtr.16615.1.S1_at	Prephenate dehydratase	108.21
Mtr.37356.1.S1_at	Cytochrome P450 71B25	107.68
Mtr.43254.1.S1_at	Hypothetical protein	105.29
Mtr.37033.1.S1_s_at	Metalloproteinase	103.37
Mtr.79.1.S1_at	Hypothetical protein	103.23
Mtr.43279.1.S1_at	Proline dehydrogenase	102.24
Mtr.11773.1.S1_s_at	Hypothetical protein	98.32
Mtr.38764.1.S1_at	Cytochrome P450	96.76
Mtr.40122.1.S1_s_at	Chalcone synthase 4	95.35
Mtr.43203.1.S1_at	Hypothetical protein	94.75
Mtr.35677.1.S1_at	Zinc finger protein family-like	94.56
Mtr.42129.1.S1_at	AP2 domain transcription factor	94.43
Mtr.49341.1.S1_at	Peptidase	93.09
Mtr.17616.1.S1_x_at	Naringenin-chalcone synthase	92.61
Mtr.43594.1.S1_at	Hypothetical protein	92.49
Mtr.45394.1.S1_at	Synaptobrevin-like protein	91.96
Mtr.10368.1.S1_at	Chalcone synthase 8	91.23
Mtr.33545.1.S1_s_at	Non-cyanogenic beta-glucosidase	91.01
Mtr.42255.1.S1_at	Hypothetical protein	90.54
Mtr.43259.1.S1_at	Hypothetical protein	88.23
Mtr.43942.1.S1_s_at	Hypothetical protein	87.16
Mtr.10760.1.S1_at	N-hydroxycinnamoyl/benzoyltransferase-like protein	87.12
Mtr.35802.1.S1_at	Hypothetical protein	85.55
Mtr.41059.1.S1_at	Hypothetical protein	84.57
Mtr.43159.1.S1_at	Bacterial-induced peroxidase	82.48
Mtr.12748.1.S1_at	Hypothetical protein	82.45
Mtr.28242.1.S1_at	Beta-glucan-elicitor receptor	81.70
Mtr.331.1.S1_at	Chitinase	79.77
Mtr.5385.1.S1_at	Ethylene reponse factor-like AP2 domain transcription factor	79.56
Mtr.10391.1.S1_at	Class 10 PR protein	78.99
Mtr.47292.1.S1_at	Hypothetical protein	78.70
Mtr.13321.1.S1_at	Pyruvate, phosphate dikinase	78.51
Mtr.27937.1.S1_at	Nodulin-like protein	78.41
Mtr.23418.1.S1_s_at	AP2 domain transcription factor	78.36
Mtr.34416.1.S1_at	Pyruvate, orthophosphate dikinase	77.60
Mtr.4663.1.S1_at	Light-inducible protein ATLS1	77.52



Mtr.13532.1.S1_at	Cytochrome P450	77.16
Mtr.23863.1.S1_at	Glucan 1,3-beta-glucosidase	76.96
Mtr.8652.1.S1_at	6a-hydroxymaackiain methyltransferase	76.69
Mtr.38035.1.S1_at	S-locus-like receptor protein kinase	76.06
Mtr.12424.1.S1_at	Disease resistance response protein	75.35
Mtr.34968.1.S1_at	Nucellin-like protein	75.13
Mtr.43196.1.S1_at	Hypothetical protein	74.50
Mtr.30508.1.S1_at	Isoflavone reductase	74.11
Mtr.12487.1.S1_at	Cyanogenic Beta-Glucosidase	73.71
Mtr.43852.1.S1_at	Acidic glucanase	73.13
Mtr.23580.1.S1_at	Polygalacturonase inhibitor protein	72.34
Mtr.21098.1.S1_at	Oxysterol-binding protein	71.25
Mtr.30776.1.S1_at	Patatin-like protein 1	71.22
Mtr.2105.1.S1_at	Hypothetical protein	70.71
Mtr.41238.1.S1_at	Hypothetical protein	70.05
Mtr.45666.1.S1_at	Glycoside hydrolase, family 32	69.96
Mtr.22854.1.S1_at	bHLH protein family	69.69
Mtr.10435.1.S1_s_at	SRG1 protein	69.13
Mtr.15261.1.S1_s_at	Curculin-like (mannose-binding) lectin	68.67
Mtr.25008.1.S1_x_at	Vestitone reductase	67.12
Mtr.6976.1.S1_at	Hypothetical protein	67.03
Mtr.10272.1.S1_at	Calmodulin	67.02
Mtr.10466.1.S1_at	Hypothetical protein	67.00
Mtr.37376.1.S1_s_at	Hypothetical protein	65.60
Mtr.38079.1.S1_at	Calcium/calmodulin protein kinase 1	65.36
Mtr.42451.1.S1_at	Bimodular protein	64.68
Mtr.10122.1.S1_at	Nine-cis-epoxycarotenoid dioxygenase1	62.89
Mtr.10573.1.S1_at	Hypothetical protein	62.88
Msa.1231.1.S1_at	Hypothetical protein	62.47
Mtr.25021.1.S1_at	Vestitone reductase	62.45
Mtr.45350.1.S1_at	Hypothetical protein	61.93
Mtr.41478.1.S1_at	Class 10 PR protein	60.99
Mtr.8507.1.S1_at	Pathogenesis related protein	60.07
Mtr.34634.1.S1_at	Epoxide hydrolase-like protein	59.63
Mtr.51252.1.S1_s_at	Hypothetical protein	59.56
Mtr.6639.1.S1_s_at	Hypothetical protein	58.91
Mtr.8558.1.S1_at	EDGP precursor	58.57
Mtr.13782.1.S1_s_at	Hypothetical protein	57.88
Mtr.17910.1.S1_at	Protein kinase	57.86
Mtr.37378.1.S1_at	Hypothetical protein	57.30
Mtr.48829.1.S1_at	Peptidase aspartic	56.68
Mtr.43772.1.S1_at	Hypothetical protein	56.35
Mtr.40890.1.S1_at	WRKY transcription factor 40	55.92
Mtr.38234.1.S1_at	Epoxide hydrolase-like protein	55.74
Mtr.40553.1.S1_at	Hypothetical protein	54.83
Mtr.35994.1.S1_at	Hypothetical protein	54.74
Mtr.40563.1.S1_at	Beta-Glucosidase	54.71
Mtr.45003.1.S1_at	Non-cyanogenic beta-glucosidase	54.68
Mtr.38513.1.S1_at	Syringolide-induced protein 14-1-1	54.53
Mtr.6645.1.S1_at	Lysine and histidine specific transporter	54.39
Mtr.41053.1.S1_at	AT-hook DNA-binding protein	54.03
Mtr.5060.1.S1_at	Cyanogenic Beta-Glucosidase	54.00
Mtr.4441.1.S1_at	Hypothetical protein	52.91
Mtr.12502.1.S1_at	Laccase-like protein	52.51

Mtr.40293.1.S1_at	Glutathione S-transferase	52.51
Mtr.16207.1.S1_at	Hypothetical protein	52.42
Mtr.44487.1.S1_at	Hypothetical protein	52.41
Mtr.42966.1.S1_at	Disease resistance response protein Pi49 (PR10)	52.33
Mtr.40504.1.S1_at	O-methyltransferase	52.21
Mtr.34185.1.S1_at	Hypothetical protein	50.05
Mtr.11104.1.S1_s_at	Hypothetical protein	48.95
Mtr.8442.1.S1_at	Hydroxyproline-rich glycoprotein (HRGP)	47.72
Mtr.5750.1.S1_at	Nicotiana EREBP-3-like protein	47.69
Mtr.35325.1.S1_at	Hypothetical protein	47.63
Mtr.45373.1.S1_at	Hypothetical protein	47.56
Mtr.34199.1.S1_at	2-oxoglutarate-dependent oxygenase	47.46
Mtr.10692.1.S1_at	Cytochrome P450 76C4	47.27
Mtr.32248.1.S1_at	3-hydroxyisobutyrate dehydrogenase-like protein	47.13
Mtr.10898.1.S1_at	Hypothetical protein	46.10
Mtr.47295.1.S1_x_at	Polygalacturonase inhibitor protein	46.05
Mtr.37316.1.S1_at	NAD(P)H dependent 6'-deoxychalcone synthase	46.02
Mtr.18422.1.S1_at	Hypothetical protein	45.91
Mtr.47992.1.S1_at	Hypothetical protein	45.69
Mtr.33217.1.S1_at	Syringolide-induced protein	45.64
Mtr.14428.1.S1_at	Naringenin-chalcone synthase	45.42
Mtr.37275.1.S1_at	Pathogen-inducible alpha-dioxygenase	45.41
Mtr.14224.1.S1_at	Proteinase inhibitor I13	45.25
Mtr.10896.1.S1_s_at	WIZZ	45.14
Mtr.27695.1.S1_at	Auxin response factor 30	44.90
Mtr.1402.1.S1_at	Hypothetical protein	44.76
Mtr.2340.1.S1_s_at	Hypothetical protein	44.16
Mtr.40601.1.S1_s_at	Collagen-like protein	44.02
Mtr.40598.1.S1_at	Hypothetical protein	43.84
Mtr.39844.1.S1_at	Hypothetical protein	43.76
Mtr.24901.1.S1_at	Phospholipase	43.73
Mtr.42078.1.S1_at	Anthocyanin 5-aromatic acyltransferase-like protein	42.73
Mtr.10396.1.S1_at	Syringolide-induced protein	42.60
Mtr.12616.1.S1_at	Cytochrome P450-like protein	42.41
Mtr.9091.1.S1_at	Hypothetical protein	42.39
Mtr.8601.1.S1_at	Hypothetical protein	42.32
Mtr.13317.1.S1_at	Hypothetical protein	42.09
Mtr.49090.1.S1_at	GCN5-related N-acetyltransferase	42.00
Mtr.7260.1.S1_at	Ethylene-induced esterase	41.86
Msa.2552.1.S1_at	Hypothetical protein	41.68
Msa.2942.1.S1_s_at	Hypothetical protein	41.24
Mtr.39762.1.S1_at	Chlorophyllase 1	41.00
Mtr.9846.1.S1_at	Hypothetical protein	40.92
Mtr.10427.1.S1_at	Hypothetical protein	40.55
Mtr.11565.1.S1_at	Patatin-like protein 1	40.32
Mtr.11047.1.S1_at	Mitogen-activated protein kinase 4	40.13
Mtr.38043.1.S1_at	Glucosyltransferase-10	39.78
Mtr.20344.1.S1_at	Zn-finger, RING protein	39.49
Mtr.28790.1.S1_at	Hypothetical protein	39.47
Mtr.25362.1.S1_s_at	LEDI-5c protein	39.38
Mtr.39322.1.S1_at	UDP-glucuronosyltransferase	38.82
Mtr.10319.1.S1_at	Pprg2 protein	38.74
Mtr.18521.1.S1_at	Thioredoxin-related protein	38.71
Mtr.33275.1.S1_s_at	Cell wall integrity and stress response component 4	38.70

Mtr.51082.1.S1_at	Trypsin-alpha amylase inhibitor	38.63
Mtr.14428.1.S1_x_at	Naringenin-chalcone synthase	38.63
Mtr.48768.1.S1_at	Gibberellin regulated protein	38.44
Mtr.6666.1.S1_at	Hypothetical protein	38.41
Mtr.42263.1.S1_s_at	Hypothetical protein	38.29
Mtr.51557.1.S1_at	Glycoside hydrolase, family 19	38.28
Mtr.13239.1.S1_at	Hypothetical protein	38.24
Mtr.5695.1.S1_at	Hypothetical protein	38.00
Mtr.10317.1.S1_at	Pprg2 protein	38.00
Mtr.5785.1.S1_s_at	PDR7 ABC transporter	37.94
Mtr.1203.1.S1_at	CCR4-associated factor-related protein	37.90
Mtr.9569.1.S1_at	Thaumatococcus-like protein	37.49
Mtr.44326.1.S1_at	Ephrin type-A receptor 5	37.22
Mtr.41268.1.S1_at	Serine/threonine-specific protein kinase APK2a	37.03
Mtr.5791.1.S1_at	Malonyl CoA:anthocyanin 3-O-glucoside-6"-O-malonyltransferase	37.02
Mtr.28311.1.S1_s_at	Hypothetical protein	36.99
Mtr.12662.1.S1_at	Patatin-like protein 1	36.92
Msa.886.1.S1_s_at	Hypothetical protein	36.59
Mtr.4593.1.S1_at	Histidine amino acid transporter	36.43
Mtr.18602.1.S1_at	Pathogenesis-related transcriptional factor	36.40
Mtr.48557.1.S1_at	Hypothetical protein	36.36
Mtr.40588.1.S1_at	Glutathione S-transferase GST 13	35.98
Mtr.12675.1.S1_at	Hypothetical protein	35.94
Mtr.43009.1.S1_s_at	Isoflavone 2'-hydroxylase, complete	35.63
Mtr.39214.1.S1_at	Hypothetical protein	35.43
Mtr.11007.1.S1_at	Avr9/Cf-9 rapidly elicited protein 132	34.71
Mtr.43199.1.S1_at	Hypothetical protein	34.46
Mtr.43280.1.S1_x_at	Cyanogenic Beta-Glucosidase	34.43
Mtr.42540.1.S1_at	Elicitor-inducible cytochrome P450	34.14
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Mtr.40605.1.S1_at	Xyloglucan-specific fungal endoglucanase inhibitor protein	32.17
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Mtr.37253.1.S1_at	Amino acid transporter-like protein 1	31.51
Mtr.45572.1.S1_at	Hypothetical protein	31.21
Mtr.48647.1.S1_s_at	Cellulose synthase	31.20
Mtr.39165.1.S1_at	Cobalamin synthase	30.87
Mtr.41495.1.S1_at	Hypothetical protein	30.75
Mtr.46788.1.S1_at	L-allo-threonine aldolase	30.65
Mtr.34867.1.S1_s_at	Hypothetical protein	30.53

Mtr.40377.1.S1_at	Cysteine proteinase inhibitor	30.23
Mtr.12615.1.S1_at	Pathogenesis-related protein PR10A	29.95
Mtr.12723.1.S1_at	Hypothetical protein	29.90
Mtr.38072.1.S1_at	Hypothetical protein	29.63
Mtr.5486.1.S1_at	Hypothetical protein	29.25
Mtr.49999.1.S1_at	Hypothetical protein	29.13
Mtr.22459.1.S1_at	Hypothetical protein	28.90
Mtr.23575.1.S1_x_at	Polygalacturonase inhibitor protein	28.70
Mtr.12466.1.S1_at	Chitinase	28.59
Mtr.9819.1.S1_at	Hypothetical protein	28.50
Mtr.8559.1.S1_at	Hypothetical protein	28.49
Mtr.41091.1.S1_at	Mitogen-activated protein kinase MMK2	28.43
Mtr.41563.1.S1_s_at	Ring finger E3 ligase	28.37
Mtr.43193.1.S1_at	Glutamate dehydrogenase 3	28.36
Mtr.12485.1.S1_at	Hypothetical protein	28.29
Mtr.38067.1.S1_at	Hypothetical protein	28.24
Mtr.26304.1.S1_at	Hypothetical protein	28.14
Mtr.37973.1.S1_at	Hypothetical protein	27.98
Mtr.6154.1.S1_s_at	Wall-associated kinase	27.87
Mtr.38997.1.S1_at	Serine/threonine protein kinase	27.79
Mtr.4996.1.S1_at	Hypothetical protein	27.62
Mtr.44504.1.S1_at	Beta-glucan-elicitor receptor	27.62
Mtr.31521.1.S1_at	Lysine and histidine specific transporter	27.34
Mtr.40339.1.S1_s_at	Hypothetical protein	27.16
Mtr.22423.1.S1_at	Hin1 like protein	27.01
Mtr.35430.1.S1_s_at	Hypothetical protein	26.84
Mtr.27130.1.S1_s_at	Hypothetical protein	26.76
Mtr.17570.1.S1_at	Zn-finger, RING protein	26.73
Mtr.12653.1.S1_at	Hypothetical protein	26.51
Mtr.39424.1.S1_at	Serine/threonine protein kinase	26.35
Mtr.3130.1.S1_at	Hypothetical protein	26.24
Mtr.39384.1.S1_at	Hypothetical protein	26.24
Mtr.1951.1.S1_s_at	Zinc finger protein	26.17
Mtr.8645.1.S1_at	Riboflavin biosynthesis protein ribA	26.16
Mtr.15278.1.S1_s_at	Zn-finger, C2H2 type	26.08
Mtr.41237.1.S1_at	Nt-gh3 deduced protein	25.61
Mtr.32914.1.S1_at	Ethylene-induced esterase	25.61
Mtr.12906.1.S1_at	Glutamate decarboxylase 4a	25.30
Mtr.10689.1.S1_at	Translation factor EF-1 alpha	25.29
Mtr.15525.1.S1_at	Dynein light chain	25.17
Mtr.11959.1.S1_at	Serine/threonine protein phosphatase 2A	25.15
Mtr.8725.1.S1_at	Hypothetical protein	25.05
Mtr.33508.1.S1_s_at	Medicago nodulin N21-like protein	25.00
Mtr.43769.1.S1_at	Seed imbibition protein	24.83
Mtr.281.1.S1_at	Trehalose-6-phosphate phosphatase	24.82
Mtr.11550.1.S1_at	Diacylglycerol kinase variant B	24.82
Mtr.10079.1.S1_at	Hypothetical protein	24.80
Mtr.1299.1.S1_s_at	Cytochrome P450 93B1	24.79
Mtr.6834.1.S1_at	Zeatin O-glucosyltransferase	24.75
Mtr.7570.1.S1_at	Hypothetical protein	24.70
Mtr.27711.1.S1_at	Hypothetical protein	24.69
Mtr.40763.1.S1_at	Hypothetical protein	24.66
Mtr.15339.1.S1_at	Homeodomain-like protein	24.46
Mtr.40340.1.S1_at	Alkaline alpha galactosidase I	24.38

Mtr.29300.1.S1_s_at	Hypothetical protein	24.35
Mtr.1493.1.S1_at	Hypothetical protein	24.08
Mtr.6654.1.S1_at	Hypothetical protein	24.03
Mtr.11947.1.S1_at	Early growth response protein	23.95
Mtr.12710.1.S1_at	Syringolide-induced protein B13-1-1	23.95
Msa.1042.1.S1_at	Hypothetical protein	23.89
Mtr.14283.1.S1_at	Aminotransferase class-III	23.83
Mtr.17788.1.S1_at	Hypothetical protein	23.76
Mtr.43513.1.S1_at	Syringolide-induced protein 19-1-5	23.72
Msa.1604.1.S1_at	Hypothetical protein	23.64
Mtr.9223.1.S1_at	Ethylene reponse factor-like AP2 domain transcription factor	23.58
Mtr.38844.1.S1_at	Hypothetical protein	23.46
Msa.3005.1.S1_at	Hypothetical protein	23.43
Mtr.49305.1.S1_at	Fatty acid elongase	23.24
Mtr.38654.1.S1_at	Hypothetical protein	23.02
Mtr.40195.1.S1_at	Pectin methylesterase 5	22.79
Mtr.31314.1.S1_at	NAC-type DNA binding protein	22.65
Mtr.44416.1.S1_at	WRKY-type DNA binding protein	22.64
Mtr.33206.1.S1_s_at	Lustrin A-like protein	22.43
Mtr.11520.1.S1_at	Protein phosphatase 2C	22.37
Mtr.39059.1.S1_at	Hypothetical protein	22.28
Mtr.9661.1.S1_at	Scarecrow-like 14	22.24
Mtr.18629.1.S1_at	Hypothetical protein	22.21
Mtr.50682.1.S1_at	14-3-3 protein	22.07
Mtr.26629.1.S1_at	CCR4-associated factor 1-related protein	21.97
Mtr.49572.1.S1_x_at	Naringenin-chalcone synthase	21.91
Mtr.25007.1.S1_at	Vestitone reductase	21.89
Mtr.43646.1.S1_at	Hypothetical protein	21.86
Mtr.41694.1.S1_s_at	AP2 domain transcription factor	21.86
Mtr.27129.1.S1_at	Zinc finger protein	21.78
Mtr.37579.1.S1_at	Branched chain alpha-keto acid dehydrogenase E2 subunit	21.74
Mtr.11219.1.S1_at	Hypothetical protein	21.66
Mtr.9254.1.S1_at	Phe ammonia lyase	21.57
Mtr.38121.1.S1_at	Avr9/Cf-9 rapidly elicited protein	21.52
Mtr.48287.1.S1_s_at	Hypothetical protein	21.51
Mtr.39677.1.S1_x_at	Immunoglobulin heavy chain variable region	21.51
Mtr.39487.1.S1_s_at	Lipoxygenase	21.45
Mtr.43916.1.S1_at	Isoflavone reductase	21.39
Mtr.37455.1.S1_at	Glucosyltransferase-13	21.35
Mtr.43921.1.S1_at	Hypothetical protein	21.14
Mtr.38270.1.S1_at	ABA-responsive protein	21.11
Mtr.20803.1.S1_at	Hypothetical protein	21.09
Mtr.10438.1.S1_at	Kunitz proteinase inhibitor-1	20.98
Mtr.18040.1.S1_at	Hypothetical protein	20.98
Mtr.22903.1.S1_at	Chitinase (Class II)	20.89
Mtr.43514.1.S1_s_at	Syringolide-induced protein 19-1-5	20.88
Msa.2919.1.S1_at	Hypothetical protein	20.83
Mtr.8646.1.S1_at	Nine-cis-epoxycarotenoid dioxygenase1	20.79
Mtr.25575.1.S1_x_at	Hypothetical protein	20.78
Mtr.42819.1.S1_at	Hypothetical protein	20.77
Mtr.6769.1.S1_at	Hypothetical protein	20.61
Mtr.15010.1.S1_s_at	Homeodomain-like	20.59
Mtr.11354.1.S1_at	Bacterial-induced peroxidase	20.55
Mtr.45768.1.S1_at	Serine/threonine protein kinase	20.49

Mtr.15332.1.S1_at	Homeodomain-like	20.48
Mtr.18.1.S1_at	Hypothetical protein	20.43
Mtr.33892.1.S1_at	Zinc finger protein constans-like 6	20.42
Mtr.40177.1.S1_at	Hypothetical protein	20.37
Mtr.9258.1.S1_at	Receptor-like protein kinase	20.37
Mtr.28194.1.S1_at	Flavonol 3-O-glucosyltransferase 5	20.34
Mtr.31288.1.S1_at	Isoflavonoid glucosyltransferase	20.33
Mtr.14737.1.S1_at	Protein kinase	20.28
Mtr.37377.1.S1_at	Hypothetical protein	20.10
Msa.3122.1.S1_at	Hypothetical protein	19.96
Mtr.12749.1.S1_at	Hypothetical protein	19.95
Mtr.42084.1.S1_at	Hypothetical protein	19.95
Mtr.40882.1.S1_at	Aldehyde dehydrogenase	19.92
Mtr.43278.1.S1_at	Cellulose synthase	19.92
Mtr.50276.1.S1_at	Phosphoinositide-binding clathrin adaptor	19.91
Mtr.51996.1.S1_at	Hypothetical protein	19.85
Mtr.19594.1.S1_at	Cyclin-like F-box	19.82
Mtr.32898.1.S1_at	Protein phosphatase 2C	19.79
Mtr.46200.1.S1_at	CCCH-type zinc finger protein	19.78
Mtr.39160.1.S1_at	Hypothetical protein	19.58
Mtr.41299.1.S1_at	Hypothetical protein	19.51
Mtr.35324.1.S1_at	Peroxidase 2	19.48
Mtr.10127.1.S1_s_at	Phospholipase	19.48
Mtr.10895.1.S1_at	Hypothetical protein	19.38
Mtr.5797.1.S1_at	Hypothetical protein	19.36
Mtr.38547.1.S1_at	Tuber-specific and sucrose-responsive element binding factor	19.34
Mtr.44391.1.S1_at	Cytochrome P450 82A2	19.31
Mtr.43585.1.S1_at	1-deoxy-D-xylulose 5-phosphate synthase 2	19.31
Mtr.43144.1.S1_at	Hypothetical protein	19.27
Mtr.41670.1.S1_at	F-box protein	19.23
Mtr.2844.1.S1_at	Hypothetical protein	19.20
Mtr.43280.1.S1_at	Cyanogenic Beta-Glucosidase	19.18
Mtr.50317.1.S1_at	Zn-finger, RING protein	19.11
Mtr.41653.1.S1_at	Mitochondrial phosphate translocator	19.09
Mtr.41841.1.S1_at	Hypothetical protein	19.05
Mtr.38200.1.S1_at	Hypothetical protein	19.00
Mtr.28801.1.S1_at	Caffeoyl-CoA O-methyltransferase	18.98
Mtr.12141.1.S1_at	Hypothetical protein	18.94
Mtr.7503.1.S1_at	Hypothetical protein	18.87
Mtr.16167.1.S1_at	Hypothetical protein	18.75
Mtr.43252.1.S1_at	Avr9/Cf-9 rapidly elicited protein	18.71
Mtr.26218.1.S1_s_at	Isovaleryl-CoA Dehydrogenase	18.66
Mtr.45405.1.S1_at	Hypothetical protein	18.60
Mtr.11656.1.S1_at	Hypothetical protein	18.59
Mtr.40481.1.S1_at	Isovaleryl-CoA Dehydrogenase	18.57
Mtr.6489.1.S1_at	Glutathione S-transferase GST 15	18.55
Mtr.10805.1.S1_at	Avr9/Cf-9 rapidly elicited protein 31	18.45
Mtr.34728.1.S1_at	Hypothetical protein	18.37
Mtr.8851.1.S1_at	Clt1	18.32
Mtr.38612.1.S1_at	Phe ammonia lyase	18.30
Mtr.41944.1.S1_at	Hypothetical protein	18.28
Mtr.1343.1.S1_at	Hypothetical protein	18.22
Mtr.12866.1.S1_at	Hypothetical protein	18.22
Mtr.43644.1.S1_at	Homeodomain transcription factor	18.22



Mtr.39677.1.S1_at	Immunoglobulin heavy chain variable region	18.17
Mtr.33150.1.S1_s_at	Syringolide-induced protein 19-1-5	18.12
Mtr.38181.1.S1_at	Expansin-like protein B	18.09
Mtr.12764.1.S1_at	AMP-binding protein	18.02
Mtr.38957.1.S1_at	Hypothetical protein	18.02
Mtr.16848.1.S1_at	Harpin-induced 1	17.95
Mtr.19367.1.S1_at	Zn-finger, C2H2 type	17.94
Mtr.12980.1.S1_at	Hypothetical protein	17.89
Mtr.41031.1.S1_at	4-coumarate-CoA ligase	17.81
Mtr.48791.1.S1_at	Cys-rich domain protein	17.77
Msa.3124.1.S1_at	Hypothetical protein	17.73
Mtr.37204.1.S1_at	Glutathione S-transferase GST 18	17.66
Mtr.38233.1.S1_at	DAZ-associated protein 1	17.66
Mtr.35763.1.S1_at	Hypothetical protein	17.60
Mtr.15180.1.S1_at	Glucose-6-phosphate dehydrogenase	17.58
Mtr.38564.1.S1_at	Nodulin-like protein	17.56
Mtr.10971.1.S1_s_at	Protein serine/threonine kinase	17.53
Mtr.38765.1.S1_at	LOB domain protein 38	17.52
Mtr.6352.1.S1_s_at	Alternative oxidase 3	17.51
Mtr.1156.1.S1_at	Rhcadhesin receptor precursor (Germin-like protein)	17.49
Mtr.33373.1.S1_at	Hypothetical protein	17.47
Mtr.24422.1.S1_at	Hypothetical protein	17.42
Mtr.41772.1.S1_at	AMP-binding protein	17.42
Mtr.8531.1.S1_at	Chalcone isomerase 1	17.40
Mtr.52169.1.S1_at	Hypothetical protein	17.31
Mtr.3060.1.S1_s_at	Hypothetical protein	17.26
Mtr.42703.1.S1_at	Hypothetical protein	17.25
Mtr.10696.1.S1_at	Syntaxin-related protein	17.21
Mtr.37736.1.S1_at	Hypothetical protein	17.21
Mtr.24896.1.S1_at	Hypothetical protein	17.20
Msa.1404.1.S1_at	Hypothetical protein	17.19
Mtr.40613.1.S1_at	Hypothetical protein	17.15
Mtr.39195.1.S1_at	Nitrate transporter NTL1	17.07
Mtr.8667.1.S1_at	Hypothetical protein	17.06
Mtr.51997.1.S1_at	Hypothetical protein	17.00
Mtr.49418.1.S1_s_at	Hypothetical protein	17.00
Mtr.11285.1.S1_at	WAK-like kinase	16.96
Mtr.13171.1.S1_at	Hypothetical protein	16.92
Mtr.45010.1.S1_at	Serine/threonine kinase	16.89
Mtr.43252.1.S1_s_at	Avr9/Cf-9 rapidly elicited protein 74	16.87
Mtr.37708.1.S1_at	Sulfate transporter-like protein	16.84
Mtr.6769.1.S1_s_at	Hypothetical protein	16.82
Msa.1879.1.S1_at	Hypothetical protein	16.82
Mtr.43115.1.S1_at	Pheromone receptor-like protein	16.81
Mtr.6373.1.S1_at	Acetyl-CoA carboxylase	16.80
Mtr.32279.1.S1_at	SPF1 protein	16.79
Mtr.28696.1.S1_at	Hypothetical protein	16.72
Msa.2935.1.S1_at	Hypothetical protein	16.72
Mtr.49862.1.S1_at	Isoflavone-7-o-methyltransferase 9	16.71
Mtr.29368.1.S1_at	Receptor-like protein kinase	16.67
Mtr.3602.1.S1_at	Hypothetical protein	16.65
Mtr.43048.1.S1_at	Early nodulin 12A	16.63
Mtr.46130.1.S1_at	Hypothetical protein	16.63
Mtr.20185.1.S1_at	Naringenin-chalcone synthase	16.60

Mtr.5817.1.S1_at	Phospholipid-transporting ATPase 1	16.49
Mtr.39569.1.S1_at	Hypothetical protein	16.48
Mtr.40125.1.S1_at	Peroxidase1B	16.44
Msa.2506.1.S1_at	Hypothetical protein	16.43
Mtr.8538.1.S1_at	Plant regulatory factor 7	16.42
Mtr.8599.1.S1_s_at	Caffeic acid 3-O-methyltransferase 1	16.38
Mtr.45356.1.S1_at	Glutamate dehydrogenase	16.30
Msa.2701.1.S1_at	Hypothetical protein	16.26
Mtr.47086.1.S1_s_at	Glucan 1,3-beta-glucosidase	16.13
Mtr.28714.1.S1_at	Chalcone synthase 3	16.11
Mtr.44713.1.S1_at	Amino acid transporter	16.11
Mtr.43217.1.S1_at	Hypothetical protein	16.03
Mtr.19471.1.S1_at	Hypothetical protein	16.01
Mtr.24851.1.S1_at	Hypothetical protein	15.98
Mtr.33191.1.S1_at	Hypothetical protein	15.98
Mtr.5781.1.S1_at	Hypothetical protein	15.87
Mtr.6543.1.S1_at	Hypothetical protein	15.70
Mtr.26898.1.S1_at	Hypothetical protein	15.66
Mtr.12569.1.S1_at	Hypothetical protein	15.63
Mtr.38907.1.S1_at	Alcohol dehydrogenase	15.61
Mtr.38443.1.S1_at	Hypothetical protein	15.59
Mtr.32982.1.S1_at	MutT-like protein	15.51
Mtr.42620.1.S1_at	Organic anion transporter	15.51
Mtr.1886.1.S1_at	Hypothetical protein	15.51
Mtr.8696.1.S1_at	Zinc finger DNA-binding protein	15.46
Mtr.20185.1.S1_x_at	Naringenin-chalcone synthase	15.41
Mtr.32486.1.S1_at	Strubbelig receptor family 1	15.41
Mtr.12950.1.S1_at	Hypothetical protein	15.39
Mtr.34762.1.S1_s_at	Hypothetical protein	15.35
Mtr.40333.1.S1_x_at	Uclacyanin II precursor (Blue copper-binding protein II)	15.34
Mtr.6916.1.S1_s_at	Hypothetical protein	15.32
Mtr.11066.1.S1_at	Hypothetical protein	15.32
Mtr.9788.1.S1_at	ACC synthase	15.31
Mtr.12006.1.S1_at	Bacterial-induced peroxidase	15.28
Mtr.38485.1.S1_at	Hypothetical protein	15.26
Mtr.25967.1.S1_at	Hypothetical protein	15.25
Mtr.52180.1.S1_at	Zn-finger, C2H2 type	15.21
Msa.2722.1.S1_at	Hypothetical protein	15.18
Mtr.11156.1.S1_at	Leucine-rich repeat receptor-like protein kinase 1	15.15
Mtr.17940.1.S1_at	U box protein	15.07
Mtr.49085.1.S1_at	GCN5-related N-acetyltransferase	15.07
Mtr.45331.1.S1_at	Hypothetical protein	15.02
Msa.2755.1.S1_at	Hypothetical protein	14.97
Mtr.42663.1.S1_at	Ferredoxin-dependent glutamate synthase	14.96
Mtr.45315.1.S1_at	SPF1 protein	14.89
Mtr.39065.1.S1_at	Hypothetical protein	14.84
Mtr.4724.1.S1_at	Organic anion transporter	14.83
Mtr.6648.1.S1_s_at	Xyloglucan endotransglycosylase	14.74
Mtr.12663.1.S1_s_at	Patatin-like protein 1	14.72
Mtr.29494.1.S1_at	Pectin methylesterase 9	14.71
Mtr.31589.1.S1_at	Arm repeat protein	14.70
Mtr.37494.1.S1_at	Phi-1 protein	14.68
Mtr.45193.1.S1_at	Hypothetical protein	14.60
Mtr.39563.1.S1_at	Hypothetical protein	14.51

Mtr.14281.1.S1_at	Hypothetical protein	14.49
Mtr.8831.1.S1_at	Patatin-like protein 1	14.46
Mtr.11636.1.S1_at	Dof zinc finger protein	14.46
Mtr.8751.1.S1_at	Hypothetical protein	14.41
Mtr.8975.1.S1_at	Bifunctional lysine-ketoglutarate reductase/saccharopine dehydrogenase	14.37
Msa.1878.1.S1_at	Hypothetical protein	14.37
Mtr.20079.1.S1_at	Lipoxygenase	14.36
Mtr.43561.1.S1_s_at	Calcium/calmodulin-regulated receptor-like kinase	14.36
Mtr.51989.1.S1_s_at	Cyclic nucleotide-binding; K <sup>+</sup> channel	14.33
Mtr.9486.1.S1_at	Zinc finger protein CONSTANS-LIKE 10	14.33
Mtr.11713.1.S1_at	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1 (BAK1)	14.29
Mtr.32409.1.S1_at	Galactokinase like protein	14.26
Mtr.41563.1.S1_at	Ring finger E3 ligase	14.25
Mtr.44776.1.S1_at	Hypothetical protein	14.21
Mtr.37757.1.S1_at	Anthranilate N-benzoyltransferase-like protein	14.20
Mtr.35927.1.S1_at	Maturase K	14.19
Mtr.40555.1.S1_at	Osmotin-like protein	14.19
Mtr.28554.1.S1_at	Hypothetical protein	14.13
Mtr.40838.1.S1_at	Electron transfer flavoprotein, alpha subunit	14.12
Msa.2738.1.S1_at	Hypothetical protein	14.11
Mtr.31946.1.S1_at	Hypothetical protein	14.03
Mtr.1356.1.S1_s_at	Hypothetical protein	14.00
Mtr.37578.1.S1_at	Hypothetical protein	13.97
Mtr.37520.1.S1_at	Cinnamoyl CoA reductase	13.89
Mtr.14686.1.S1_at	Tetrapeptide transporter	13.78
Mtr.653.1.S1_s_at	Short-chain dehydrogenase/reductase family protein	13.78
Mtr.12139.1.S1_at	WRKY transcription factor 29	13.72
Mtr.11520.1.S1_s_at	Protein phosphatase 2C	13.71
Mtr.27950.1.S1_at	Hypothetical protein	13.69
Mtr.10557.1.S1_at	PDR-type ABC transporter 2	13.66
Msa.1770.1.S1_at	Hypothetical protein	13.66
Mtr.41282.1.S1_s_at	TMV response-related protein	13.62
Mtr.17903.1.S1_at	Hypothetical protein	13.58
Mtr.44519.1.S1_at	Hypothetical protein	13.57
Mtr.5445.1.S1_at	Hypothetical protein	13.57
Mtr.45912.1.S1_at	Pathogenesis-related transcriptional factor, ERF	13.53
Mtr.33213.1.S1_at	Hypothetical protein	13.52
Mtr.41861.1.S1_at	Acetyl-CoA carboxylase	13.44
Mtr.6049.1.S1_s_at	S-receptor kinase	13.43
Mtr.39298.1.S1_at	Hypothetical protein	13.39
Mtr.11053.1.S1_at	WRKY-type transcription factor	13.38
Mtr.32790.1.S1_at	Hypothetical protein	13.34
Mtr.8962.1.S1_at	Hypothetical protein	13.33
Mtr.11256.1.S1_at	Hypothetical protein	13.32
Mtr.27510.1.S1_at	Blight resistance protein RGA1	13.25
Mtr.1359.1.S1_at	Hypothetical protein	13.23
Mtr.12246.1.S1_at	MtN12 protein	13.21
Mtr.33334.1.S1_at	Exo-1,3-beta-glucanase	13.20
Mtr.6156.1.S1_at	Cytochrome oxidase subunit II	13.17
Mtr.6909.1.S1_at	Hypothetical protein	13.16
Msa.3019.1.S1_at	Hypothetical protein	13.16
Mtr.1331.1.S1_s_at	Hypothetical protein	13.16
Msa.2819.1.S1_at	Hypothetical protein	13.15
Mtr.18113.1.S1_at	Hypothetical protein	13.11

Mtr.38479.1.S1_at	Hypothetical protein	13.07
Mtr.25964.1.S1_s_at	Hypothetical protein	13.02
Mtr.29505.1.S1_s_at	Hypothetical protein	12.99
Mtr.14016.1.S1_at	Hypothetical protein	12.98
Mtr.29902.1.S1_at	WRKY DNA-binding protein	12.98
Mtr.44641.1.S1_at	F-box family protein	12.97
Mtr.10683.1.S1_at	DNA-binding proteim	12.97
Mtr.35697.1.S1_s_at	Hypothetical protein	12.96
Mtr.11572.1.S1_at	Receptor-like protein kinase	12.88
Mtr.9023.1.S1_s_at	MYB transcription factor	12.86
Mtr.43231.1.S1_s_at	Hypothetical protein	12.84
Mtr.22536.1.S1_at	Hypothetical protein	12.77
Mtr.8948.1.S1_at	Cytochrome P450 82A1	12.76
Mtr.35302.1.S1_at	Galactokinase	12.75
Mtr.43392.1.S1_s_at	Cytochrome b	12.73
Mtr.38380.1.S1_at	Nodulin-like protein	12.70
Mtr.48070.1.S1_at	Hypothetical protein	12.68
Mtr.11022.1.S1_at	RING zinc finger protein	12.65
Mtr.40363.1.S1_at	Fiber protein	12.60
Mtr.35178.1.S1_at	Branched-chain alpha keto-acid dehydrogenase E1-alpha	12.58
Mtr.44445.1.S1_at	Syringolide-induced protein B13-1-9	12.51
Mtr.40983.1.S1_at	Hypothetical protein	12.49
Mtr.28045.1.S1_at	Hypothetical protein	12.48
Mtr.47086.1.S1_at	Glucan 1,3-beta-glucosidase	12.48
Mtr.47087.1.S1_at	Glucan 1,3-beta-glucosidase	12.47
Mtr.43734.1.S1_at	Protein kinase C	12.45
Mtr.13850.1.S1_at	Hypothetical protein	12.42
Mtr.20425.1.S1_at	Hypothetical protein	12.41
Mtr.13536.1.S1_at	Bifunctional lysine-ketoglutarate reductase/saccharopine dehydrogenase	12.38
Mtr.12477.1.S1_at	Quinone-oxidoreductase QR1	12.38
Mtr.50729.1.S1_at	Hypothetical protein	12.35
Mtr.39945.1.S1_at	Hypothetical protein	12.32
Mtr.46166.1.S1_at	Isopenicillin N synthase	12.27
Mtr.8688.1.S1_at	Hypothetical protein	12.27
Mtr.39874.1.S1_at	Hypothetical protein	12.19
Mtr.13270.1.S1_at	Hypothetical protein	12.19
Mtr.33024.1.S1_at	Glucosidase-like protein	12.18
Mtr.43987.1.S1_at	Serin carboxypeptidase	12.17
Mtr.6950.1.S1_at	Galactokinase like protein	12.16
Mtr.43716.1.S1_at	Glycosyltransferase	12.14
Mtr.20187.1.S1_x_at	Naringenin-chalcone synthase	12.12
Mtr.32790.1.S1_s_at	Hypothetical protein	12.12
Mtr.41894.1.S1_at	AT-hook DNA-binding protein	12.12
Mtr.11466.1.S1_at	Galactokinase like protein	12.09
Mtr.42141.1.S1_s_at	Class III peroxidase	12.09
Mtr.8599.1.S1_at	Caffeic acid 3-O-methyltransferase 1	12.08
Mtr.35.1.S1_at	Abscisic acid and environmental stress inducible protein	12.08
Mtr.26939.1.S1_at	Hypothetical protein	12.07
Mtr.1757.1.S1_at	Homeodomain-leucine zipper protein	12.07
Mtr.27096.1.S1_at	Cinnamyl-alcohol dehydrogenase-like protein	12.06
Mtr.9450.1.S1_at	Axi 1-like protein	12.02
Mtr.2465.1.S1_at	Hypothetical protein	12.02
Mtr.39450.1.S1_at	Amino acid permease AAP3	12.02
Mtr.10743.1.S1_at	SRG1 protein	11.96

Mtr.40830.1.S1_at	2-hydroxyphytanoyl-CoA lyase	11.95
Mtr.43229.1.S1_at	Syringolide-induced protein 14-1-1	11.95
Mtr.8522.1.S1_at	Syringolide-induced protein 19-1-5	11.93
Mtr.10043.1.S1_at	Wax synthase	11.92
Mtr.19134.1.S1_at	Hypothetical protein	11.86
Mtr.14773.1.S1_at	Hypothetical protein	11.85
Mtr.12155.1.S1_at	WRKY-type DNA binding protein	11.85
Mtr.39431.1.S1_at	Aldehyde reductase	11.84
Msa.2171.1.S1_at	Hypothetical protein	11.81
Mtr.20144.1.S1_at	Multi antimicrobial extrusion protein	11.77
Mtr.12832.1.S1_at	Receptor-like serine/threonine kinase	11.76
Mtr.5684.1.S1_at	Hypothetical protein	11.74
Mtr.36186.1.S1_at	Nitrate transporter NTL1	11.74
Mtr.35243.1.S1_at	Early flowering 3	11.74
Mtr.44775.1.S1_at	G-protein alpha-subunit	11.74
Mtr.9524.1.S1_at	Early flowering 3	11.73
Mtr.25953.1.S1_at	Cytidine deaminase	11.66
Msa.2910.1.S1_at	Hypothetical protein	11.65
Mtr.6341.1.S1_at	Beta-1, 3-glucanase	11.64
Mtr.23311.1.S1_s_at	Glycosyl hydrolase family 3	11.63
Mtr.12456.1.S1_at	AP2-related transcription factor	11.61
Mtr.42141.1.S1_at	Class III peroxidase	11.61
Mtr.38492.1.S1_at	Hypothetical protein	11.55
Mtr.12044.1.S1_at	Cellulose synthase	11.51
Mtr.8934.1.S1_at	Alternative oxidase 3	11.50
Mtr.17288.1.S1_at	Natural resistance-associated macrophage protein	11.50
Mtr.11066.1.S1_s_at	Hypothetical protein	11.49
Mtr.28274.1.S1_at	Avr9/Cf-9 rapidly elicited protein 264	11.46
Mtr.44735.1.S1_at	Hypothetical protein	11.46
Mtr.40168.1.S1_at	Phenylalanine ammonia-lyase 2	11.38
Mtr.37413.1.S1_s_at	Chalcone-flavonone isomerase	11.31
Mtr.7214.1.S1_at	Hypothetical protein	11.24
Mtr.44074.1.S1_at	Strubbelig receptor family 1	11.20
Mtr.28687.1.S1_at	Wax synthase	11.17
Mtr.27221.1.S1_at	Hypothetical protein	11.17
Mtr.45211.1.S1_at	Phosphoenolpyruvate carboxykinase	11.14
Mtr.10815.1.S1_at	Hypothetical protein	11.12
Mtr.10370.1.S1_at	Peroxidase1B	11.12
Mtr.20391.1.S1_at	Hypothetical protein	11.09
Mtr.45320.1.S1_at	Hypothetical protein	11.07
Mtr.21324.1.S1_at	ABC transporter	11.06
Mtr.25509.1.S1_at	Hypothetical protein	11.00
Mtr.43497.1.S1_at	Ethylene-forming-enzyme-like dioxygenase	11.00
Mtr.4464.1.S1_at	Thaumatococcus-like protein 1	11.00
Mtr.38075.1.S1_at	Hypothetical protein	10.97
Mtr.35852.1.S1_at	Auxin-induced protein	10.96
Msa.2921.1.S1_at	Hypothetical protein	10.89
Mtr.51734.1.S1_at	Hypothetical protein	10.88
Mtr.25838.1.S1_at	Hypothetical protein	10.88
Mtr.42860.1.S1_at	Ferredoxin III	10.85
Mtr.11866.1.S1_at	MFS Superfamily transporter	10.82
Mtr.49572.1.S1_s_at	Naringenin-chalcone synthase	10.79
Mtr.32646.1.S1_at	Hypothetical protein	10.79
Mtr.20623.1.S1_at	Hypothetical protein	10.75

Mtr.9901.1.S1_at	Receptor-like kinase	10.75
Mtr.27985.1.S1_at	Hypothetical protein	10.72
Mtr.11468.1.S1_at	Hypothetical protein	10.71
Mtr.34990.1.S1_at	Cytochrome P450	10.70
Mtr.15568.1.S1_s_at	DNA-binding WRKY	10.69
Mtr.16487.1.S1_s_at	Zn-finger, CCHC type	10.66
Mtr.11991.1.S1_s_at	Strubbelig receptor family 3	10.64
Mtr.6317.1.S1_at	Hypothetical protein	10.63
Mtr.9637.1.S1_at	Myb-related transcription factor	10.63
Mtr.37715.1.S1_at	Hypothetical protein	10.63
Mtr.44104.1.S1_at	Zeatin O-glucosyltransferase	10.62
Mtr.9997.1.S1_at	Glucan endo-1,3-beta-glucosidase	10.60
Msa.2884.1.S1_at	Hypothetical protein	10.58
Mtr.40521.1.S1_at	Adhesive/proline-rich protein	10.53
Mtr.40917.1.S1_at	SPF1 protein	10.52
Mtr.11621.1.S1_at	Receptor-like protein kinase	10.51
Mtr.21790.1.S1_at	Hypothetical protein	10.49
Mtr.43230.1.S1_at	Hypothetical protein	10.48
Mtr.17239.1.S1_at	Metallopeptidases	10.48
Mtr.17180.1.S1_at	Galactose mutarotase	10.45
Mtr.19019.1.S1_at	No apical meristem (NAM) protein	10.44
Mtr.16851.1.S1_at	Serine/threonine protein kinase	10.43
Mtr.4899.1.S1_at	Hypothetical protein	10.37
Mtr.12087.1.S1_at	Hypothetical protein	10.36
Mtr.21276.1.S1_at	TAZ finger	10.34
Mtr.33365.1.S1_s_at	PDR7 ABC transporter	10.33
Mtr.45159.1.S1_at	Hypothetical protein	10.32
Mtr.38607.1.S1_at	Hypothetical protein	10.31
Mtr.32738.1.S1_s_at	Myo-inositol oxygenase	10.31
Mtr.35538.1.S1_at	Avr9/Cf-9 rapidly elicited protein 137	10.30
Mtr.13757.1.S1_at	Hin1-like protein	10.29
Mtr.37714.1.S1_at	Syringolide-induced protein 13-1-1	10.28
Mtr.2157.1.S1_s_at	Hypothetical protein	10.28
Mtr.43746.1.S1_at	Hypothetical protein	10.24
Mtr.31.1.S1_at	Peroxidase 3	10.22
Mtr.6811.1.S1_at	Glutathione S-transferase GST 17	10.20
Mtr.34018.1.S1_at	S-receptor kinase	10.20
Mtr.37718.1.S1_at	Hypothetical protein	10.18
Mtr.51734.1.S1_s_at	Hypothetical protein	10.17
Mtr.35110.1.S1_at	Hypothetical protein	10.16
Mtr.23266.1.S1_at	Protease inhibitor	10.15
Mtr.45444.1.S1_at	Hypothetical protein	10.14
Mtr.40123.1.S1_at	Chalcone synthase 4	10.14
Mtr.44228.1.S1_at	Cyanophycinase	10.14
Mtr.10575.1.S1_at	Hypothetical protein	10.12
Mtr.35357.1.S1_at	Auxin-regulated gene	10.10
Mtr.8853.1.S1_at	Arginase 1	10.09
Mtr.8763.1.S1_at	Thaumatococcus-like protein PR-5a	10.06
Mtr.45244.1.S1_at	Hypothetical protein	10.06
Mtr.45989.1.S1_at	Xylose isomerase	10.05
Mtr.49688.1.S1_at	Heavy metal-associated domain protein	10.05
Mtr.12291.1.S1_s_at	Proline dehydrogenase	10.04
Mtr.37975.1.S1_at	CBL-interacting protein kinase	10.01
Mtr.42263.1.S1_at	Hypothetical protein	9.98



Mtr.50458.1.S1_at	Hypothetical protein	9.98
Mtr.32564.1.S1_at	Hypothetical protein	9.97
Mtr.15309.1.S1_at	Hypothetical protein	9.91
Mtr.45080.1.S1_at	Retinoic acid receptor alpha	9.91
Msa.1625.1.S1_at	Hypothetical protein	9.91
Mtr.10727.1.S1_at	Hypothetical protein	9.89
Msa.1669.1.S1_at	Hypothetical protein	9.89
Mtr.18222.1.S1_at	Hypothetical protein	9.84
Mtr.11811.1.S1_s_at	Phi-1-like protein	9.81
Mtr.17531.1.S1_at	Hypothetical protein	9.79
Mtr.31118.1.S1_at	Serine /threonine kinase	9.79
Mtr.10416.1.S1_at	3-deoxy-D-arabino-heptulosonate 7-phosphate synthase	9.79
Mtr.38566.1.S1_at	Hypothetical protein	9.78
Mtr.48695.1.S1_at	Hypothetical protein	9.78
Mtr.39456.1.S1_at	Coatomer protein complex, beta prime; beta'-COP protein	9.77
Mtr.41533.1.S1_at	Calcium binding protein	9.76
Mtr.13318.1.S1_at	Hypothetical protein	9.76
Mtr.40277.1.S1_x_at	Isoflavone synthase	9.73
Mtr.32284.1.S1_at	Hypothetical protein	9.73
Mtr.18596.1.S1_at	Zn-finger, RING	9.69
Mtr.13960.1.S1_at	Flavonoid 3'-hydroxylase	9.69
Mtr.44073.1.S1_at	En/Spm-like transposon protein	9.57
Mtr.13722.1.S1_at	Hypothetical protein	9.57
Mtr.47442.1.S1_s_at	Glycosyl hydrolase family 3	9.53
Mtr.4083.1.S1_s_at	Hypothetical protein	9.52
Mtr.7255.1.S1_at	Arm repeat protein	9.48
Mtr.44658.1.S1_at	Hypothetical protein	9.47
Mtr.40277.1.S1_at	Isoflavone synthase	9.47
Msa.2861.1.S1_at	Hypothetical protein	9.47
Mtr.29335.1.S1_at	Receptor-like protein kinase ARK	9.47
Mtr.40399.1.S1_at	CPRD2 protein	9.46
Mtr.20567.1.S1_at	Naringenin-chalcone synthase	9.45
Mtr.35987.1.S1_s_at	Hypothetical protein	9.44
Mtr.20618.1.S1_at	Hypothetical protein	9.44
Mtr.48831.1.S1_at	Peptidase aspartic	9.42
Mtr.7268.1.S1_at	Hypothetical protein	9.41
Msa.2680.1.S1_at	Hypothetical protein	9.40
Mtr.10121.1.S1_at	Limonoid UDP-glucosyltransferase	9.38
Mtr.1746.1.S1_at	Glucosyltransferase-9	9.36
Mtr.8936.1.S1_at	Zinc finger protein	9.36
Mtr.37390.1.S1_at	Pyruvate decarboxylase 1	9.36
Mtr.42202.1.S1_at	Hypothetical protein	9.35
Mtr.17497.1.S1_at	bHLH DNA-binding	9.34
Mtr.29510.1.S1_at	Hypothetical protein	9.32
Mtr.37879.1.S1_at	Hypothetical protein	9.32
Mtr.25476.1.S1_at	Auxin efflux carrier protein family	9.31
Mtr.689.1.S1_at	FAD-linked oxidoreductase	9.31
Mtr.22561.1.S1_at	Hypothetical protein	9.31
Mtr.43827.1.S1_at	Hypothetical protein	9.30
Mtr.5955.1.S1_at	Hypothetical protein	9.25
Mtr.52242.1.S1_at	Galactokinase	9.25
Mtr.49123.1.S1_at	Major intrinsic protein	9.24
Mtr.40194.1.S1_at	Hypothetical protein	9.23
Mtr.40223.1.S1_at	Hypothetical protein	9.23

Mtr.41299.1.S1_s_at	Hypothetical protein	9.22
Mtr.3431.1.S1_at	Hypothetical protein	9.22
Mtr.50225.1.S1_at	Hypothetical protein	9.22
Mtr.25969.1.S1_at	Hypothetical protein	9.21
Mtr.18322.1.S1_s_at	Alternative oxidase	9.21
Mtr.42916.1.S1_at	Hypothetical protein	9.20
Mtr.49481.1.S1_at	Hypothetical protein	9.19
Mtr.22708.1.S1_at	Hypothetical protein	9.18
Mtr.24516.1.S1_at	Basic blue copper protein	9.17
Mtr.5869.1.S1_at	Hexose carrier protein HEX6	9.17
Mtr.12511.1.S1_at	Heat shock factor RHSF2	9.15
Mtr.37878.1.S1_at	Hypothetical protein	9.14
Mtr.28727.1.S1_at	Adenosine monophosphate binding protein 1 AMPBP1	9.13
Mtr.12303.1.S1_at	Hypothetical protein	9.13
Mtr.49055.1.S1_s_at	Hypothetical protein	9.11
Mtr.24370.1.S1_at	3'-5' exonuclease	9.09
Mtr.11712.1.S1_at	NADH dehydrogenase subunit 6	9.07
Mtr.43783.1.S1_at	Hypothetical protein	9.06
Mtr.9364.1.S1_at	Hypothetical protein	9.05
Mtr.25365.1.S1_at	Hypothetical protein	9.05
Mtr.31724.1.S1_at	Hypothetical protein	9.04
Mtr.32367.1.S1_s_at	Peroxidase 3	9.01
Mtr.12025.1.S1_at	Bacterial-induced peroxidase	9.01
Mtr.11502.1.S1_at	Hypothetical protein	9.00
Mtr.1625.1.S1_s_at	Protein kinase	8.99
Mtr.34118.1.S1_at	Cationic peroxidase	8.96
Mtr.20187.1.S1_at	Naringenin-chalcone synthase	8.96
Mtr.3072.1.S1_at	Disease resistance protein Cf-2.1-like	8.96
Mtr.12685.1.S1_at	Calcium/calmodulin-regulated receptor-like kinase	8.91
Mtr.34771.1.S1_at	Hypothetical protein	8.87
Mtr.44219.1.S1_at	Cytokinin oxidase-like protein	8.86
Mtr.6339.1.S1_at	Ripening regulated protein	8.85
Msa.1050.1.S1_at	Hypothetical protein	8.85
Mtr.48873.1.S1_s_at	Plant acid phosphatase	8.82
Mtr.40166.1.S1_s_at	Phenylalanine ammonia-lyase	8.81
Mtr.10492.1.S1_x_at	Isoflavone synthase	8.80
Mtr.44094.1.S1_at	Hypothetical protein	8.78
Mtr.44967.1.S1_at	Hypothetical protein	8.78
Mtr.48304.1.S1_s_at	Hypothetical protein	8.75
Mtr.16822.1.S1_at	Hypothetical protein	8.74
Mtr.10817.1.S1_at	Hypothetical protein	8.73
Mtr.31312.1.S1_at	Receptor ser/thr protein kinase	8.73
Mtr.41039.1.S1_at	Hypothetical protein	8.72
Msa.952.1.S1_at	Hypothetical protein	8.71
Mtr.38202.1.S1_at	WRKY transcription factor 28	8.70
Mtr.12538.1.S1_at	Hypothetical protein	8.69
Mtr.40371.1.S1_at	Avr9/Cf-9 rapidly elicited protein 264	8.69
Mtr.42135.1.S1_at	Photoperiod responsive protein	8.65
Mtr.7906.1.S1_at	Vasopressin V1b receptor	8.65
Mtr.19182.1.S1_at	Hypothetical protein	8.64
Mtr.5738.1.S1_s_at	Hypothetical protein	8.64
Mtr.39665.1.S1_at	Hypothetical protein	8.63
Mtr.4576.1.S1_s_at	Indole-3-acetate beta-glucosyltransferase	8.62
Mtr.28033.1.S1_at	Hypothetical protein	8.62

Mtr.43944.1.S1_at	Glucan 1,3-beta-glucosidase	8.62
Mtr.41518.1.S1_at	Hypothetical protein	8.61
Mtr.28177.1.S1_at	Hypothetical protein	8.61
Mtr.38328.1.S1_at	Phosphatidic acid phosphatase alpha	8.59
Mtr.45000.1.S1_at	Trehalose-6-phosphate synthase/phosphatase	8.59
Mtr.29535.1.S1_x_at	Hypothetical protein	8.57
Mtr.49053.1.S1_s_at	Hypothetical protein	8.55
Mtr.12051.1.S1_at	Hypothetical protein	8.53
Mtr.34126.1.S1_at	Hypothetical protein	8.52
Mtr.12377.1.S1_at	WRKY transcription factor 11	8.49
Mtr.15380.1.S1_at	Hypothetical protein	8.49
Mtr.41367.1.S1_at	Hypothetical protein	8.48
Mtr.6933.1.S1_at	Methylcrotonyl-CoA carboxylase beta chain	8.48
Mtr.37262.1.S1_at	Hypothetical protein	8.47
Mtr.45741.1.S1_at	Cytochrome P450	8.47
Mtr.12708.1.S1_at	Isoflavone reductase	8.46
Mtr.6889.1.S1_at	Hypothetical protein	8.45
Mtr.30703.1.S1_at	Hypothetical protein	8.42
Mtr.35080.1.S1_at	Trehalose-6-phosphate synthase	8.39
Mtr.11349.1.S1_at	Transcription factor WRKY31	8.39
Mtr.23988.1.S1_at	bHLH protein	8.39
Mtr.41551.1.S1_at	SCARECROW-like protein	8.38
Mtr.39741.1.S1_s_at	Hypothetical protein	8.37
Msa.1166.1.S1_at	Hypothetical protein	8.37
Mtr.48109.1.S1_at	WRKY4 transcription factor	8.35
Mtr.13586.1.S1_at	Transcription activator	8.34
Mtr.33124.1.S1_at	Acyl-activating enzyme	8.33
Mtr.35410.1.S1_at	Rho GDP dissociation inhibitor 2	8.33
Msa.1898.1.S1_at	Hypothetical protein	8.33
Mtr.37899.1.S1_at	Hypothetical protein	8.32
Mtr.24820.1.S1_s_at	Fructan 1-exohydrolase	8.32
Mtr.49557.1.S1_at	Hypothetical protein	8.31
Mtr.4233.1.S1_at	Hypothetical protein	8.30
Mtr.16688.1.S1_at	Mitochondrial import inner membrane translocase	8.30
Mtr.51693.1.S1_at	Hypothetical protein	8.30
Mtr.43956.1.S1_at	Zinc finger family protein	8.28
Mtr.40410.1.S1_at	Hypothetical protein	8.25
Mtr.43494.1.S1_at	Hypothetical protein	8.25
Mtr.17422.1.S1_at	Amino acid/polyamine transporter I	8.24
Mtr.19625.1.S1_at	Hypothetical protein	8.24
Mtr.16539.1.S1_s_at	Hypothetical protein	8.24
Mtr.48475.1.S1_at	Hypothetical protein	8.23
Mtr.11488.1.S1_at	Hypothetical protein	8.22
Mtr.22179.1.S1_at	Hypothetical protein	8.22
Mtr.18819.1.S1_at	2OG-Fe(II) oxygenase	8.21
Mtr.29408.1.S1_at	Hypothetical protein	8.20
Mtr.42235.1.S1_at	Beta-glucan binding protein	8.20
Mtr.13918.1.S1_at	Hypothetical protein	8.20
Msa.3160.1.S1_at	Hypothetical protein	8.16
Mtr.10005.1.S1_at	Hypothetical protein	8.16
Mtr.39423.1.S1_at	Hypothetical protein	8.14
Mtr.12648.1.S1_at	Ovary protein induced by treatment with gibberellic acid	8.13
Mtr.696.1.S1_at	Auxin-induced (indole-3-acetic acid induced) protein	8.13
Mtr.28786.1.S1_at	Dihydrodipicolinate synthase	8.12

Mtr.22904.1.S1_s_at	Aux/IAA protein	8.11
Mtr.820.1.S1_at	Hypothetical protein	8.11
Mtr.13641.1.S1_at	Alpha-mannosidase	8.08
Mtr.8813.1.S1_at	Zinc finger protein constans-like 6	8.07
Mtr.39825.1.S1_at	NADH dehydrogenase, subunit 2	8.07
Msa.1267.1.S1_at	Hypothetical protein	8.05
Mtr.32917.1.S1_s_at	Cytochrome oxidase subunit I	8.04
Mtr.13455.1.S1_at	Hypothetical protein	8.03
Msa.1067.1.S1_at	Hypothetical protein	8.02
Mtr.10984.1.S1_at	Hypothetical protein	8.00
Mtr.44194.1.S1_at	CPRD2 protein	8.00
Mtr.3183.1.S1_at	Hypothetical protein	7.99
Mtr.10808.1.S1_at	Prephenate dehydratase	7.98
Mtr.29714.1.S1_at	Hypothetical protein	7.96
Mtr.4083.1.S1_at	Hypothetical protein	7.95
Mtr.20588.1.S1_at	Hypothetical protein	7.95
Mtr.33658.1.S1_at	Hypothetical protein	7.92
Mtr.7741.1.S1_at	Peptide/amino acid transporter	7.91
Mtr.12226.1.S1_at	Hypothetical protein	7.91
Mtr.31572.1.S1_s_at	Inwardly rectifying potassium channel subunit	7.87
Msa.2990.1.S1_at	Hypothetical protein	7.87
Mtr.7638.1.S1_at	Endo-1,3-beta-glucanase	7.87
Mtr.38799.1.S1_s_at	Cytokinin oxidase-like protein	7.86
Mtr.39999.1.S1_at	Syringolide-induced protein B13-1-9	7.86
Mtr.12419.1.S1_s_at	50S ribosomal protein L15	7.85
Mtr.29535.1.S1_at	Hypothetical protein	7.85
Mtr.36136.1.S1_at	Hypothetical protein	7.84
Mtr.8617.1.S1_at	Syringolide-induced protein B15-3-5	7.84
Msa.2259.1.S1_at	Hypothetical protein	7.83
Mtr.32799.1.S1_at	GTP-binding regulatory protein extra-large	7.80
Mtr.46485.1.S1_at	Glutathione S-transferase GST 17	7.78
Mtr.46962.1.S1_at	Hypothetical protein	7.77
Mtr.42039.1.S1_at	Hypothetical protein	7.77
Mtr.21216.1.S1_at	Exo70 exocyst complex subunit	7.76
Mtr.27309.1.S1_at	Hypothetical protein	7.74
Mtr.6545.1.S1_at	Hypothetical protein	7.74
Mtr.45877.1.S1_at	RNA-binding region RNP-1	7.72
Mtr.41986.1.S1_at	Wall-associated kinase 4	7.71
Mtr.43656.1.S1_at	Cysteine protease	7.70
Mtr.5512.1.S1_at	Biotin synthase	7.69
Mtr.41342.1.S1_at	Serine/threonine-protein kinase	7.67
Mtr.19162.1.S1_at	AMP-dependent synthetase and ligase	7.65
Mtr.43887.1.S1_at	Hypothetical protein	7.65
Mtr.45285.1.S1_at	Hypothetical protein	7.62
Mtr.26378.1.S1_at	Hypothetical protein	7.62
Mtr.20804.1.S1_at	Protein kinase	7.61
Mtr.35122.1.S1_at	Hypothetical protein	7.61
Mtr.51571.1.S1_s_at	Amino acid/polyamine transporter II	7.60
Mtr.18295.1.S1_at	Zinc-containing alcohol dehydrogenase superfamily	7.60
Mtr.47077.1.S1_at	Hypothetical protein	7.60
Msa.1103.1.S1_at	Hypothetical protein	7.59
Mtr.49400.1.S1_at	Auxin responsive SAUR protein	7.58
Mtr.43041.1.S1_at	Hexokinase	7.58
Mtr.7638.1.S1_s_at	Endo-1,3-beta-glucanase	7.57

Mtr.24739.1.S1_at	Phosphoserine aminotransferase	7.55
Mtr.51630.1.S1_s_at	Hypothetical protein	7.54
Mtr.27861.1.S1_at	Hypothetical protein	7.54
Mtr.15772.1.S1_at	Glycoside hydrolase	7.52
Mtr.16854.1.S1_x_at	Protein kinase	7.51
Mtr.41506.1.S1_at	Hypothetical protein	7.50
Mtr.12277.1.S1_at	Class 10 PR protein	7.49
Mtr.26988.1.S1_s_at	Hypothetical protein	7.48
Mtr.38185.1.S1_at	Hypothetical protein	7.46
Msa.3062.1.S1_at	Hypothetical protein	7.45
Mtr.52198.1.S1_at	Bacterial regulatory factor	7.45
Mtr.26988.1.S1_at	Hypothetical protein	7.45
Mtr.43134.1.S1_at	Fructose-bisphosphate aldolase	7.44
Mtr.41386.1.S1_at	Hypothetical protein	7.44
Mtr.40724.1.S1_at	Hypothetical protein	7.44
Mtr.14303.1.S1_at	Hydrogenase large subunit	7.44
Mtr.27095.1.S1_at	Hypothetical protein	7.43
Mtr.261.1.S1_at	Hypothetical protein	7.43
Mtr.1797.1.S1_at	MYB-related protein	7.42
Mtr.9577.1.S1_at	Hypothetical protein	7.40
Mtr.49441.1.S1_at	2OG-Fe(II) oxygenase	7.40
Mtr.43353.1.S1_at	Hypothetical protein	7.37
Mtr.38735.1.S1_at	Hypothetical protein	7.36
Mtr.27097.1.S1_at	Hypothetical protein	7.35
Mtr.35833.1.S1_s_at	Hypothetical protein	7.35
Mtr.13643.1.S1_at	Hypothetical protein	7.33
Mtr.15997.1.S1_s_at	Peroxidase	7.33
Mtr.38092.1.S1_at	MAP kinase phosphatase	7.33
Mtr.45989.1.S1_s_at	Xylose isomerase	7.32
Mtr.5715.1.S1_at	Beta-glucan-elicitor receptor	7.32
Mtr.29666.1.S1_at	Hypothetical protein	7.29
Mtr.37676.1.S1_at	Hypothetical protein	7.27
Mtr.17556.1.S1_at	Hypothetical protein	7.24
Mtr.33372.1.S1_at	Hypothetical protein	7.23
Mtr.40048.1.S1_at	Acetylornithine aminotransferase	7.23
Mtr.39403.1.S1_at	Receptor-like serine/threonine kinase	7.23
Mtr.17610.1.S1_at	Hypothetical protein	7.23
Mtr.38022.1.S1_at	LEXYL1 protein	7.21
Mtr.38520.1.S1_s_at	Hypothetical protein	7.21
Mtr.29342.1.S1_at	Hypothetical protein	7.20
Mtr.39132.1.S1_at	Malate synthase	7.20
Mtr.10407.1.S1_at	Ferrochelatae II	7.19
Mtr.44996.1.S1_at	Acid phosphatase	7.19
Mtr.27753.1.S1_at	L-lactate dehydrogenase	7.18
Mtr.42373.1.S1_at	Peroxidase	7.18
Mtr.25889.1.S1_at	Protein kinase	7.18
Mtr.1587.1.S1_at	Calmodulin-related protein	7.17
Mtr.31649.1.S1_at	Hypothetical protein	7.17
Mtr.11087.1.S1_at	Hypothetical protein	7.17
Mtr.40765.1.S1_at	Hypothetical protein	7.16
Mtr.32735.1.S1_at	Hypothetical protein	7.15
Mtr.12958.1.S1_at	Hypothetical protein	7.14
Mtr.44130.1.S1_s_at	Hypothetical protein	7.13
Mtr.12290.1.S1_at	Proline dehydrogenase	7.13

Mtr.48476.1.S1_at	Hypothetical protein	7.11
Mtr.42598.1.S1_at	Hypothetical protein	7.10
Mtr.43119.1.S1_at	Chorismate synthase 1	7.09
Mtr.25887.1.S1_at	bHLH protein	7.08
Mtr.9756.1.S1_at	Rev interacting-like protein	7.05
Mtr.51425.1.S1_at	Serine/threonine protein kinase	7.04
Mtr.10672.1.S1_s_at	Polyphosphoinositide binding protein	7.02
Mtr.9421.1.S1_at	Indole-3-acetate beta-glucosyltransferase	7.02
Mtr.31952.1.S1_at	Hypothetical protein	7.01
Mtr.20668.1.S1_at	Hypothetical protein	7.01
Msa.1129.1.S1_at	Hypothetical protein	7.00
Mtr.40611.1.S1_at	Peroxidase	6.99
Mtr.38347.1.S1_at	Tripartite motif protein	6.96
Mtr.37560.1.S1_at	Pyruvate decarboxylase	6.96
Mtr.1874.1.S1_s_at	Phospholipid-transporting ATPase	6.96
Mtr.12264.1.S1_s_at	Cytochrome P450 monooxygenase	6.95
Mtr.5174.1.S1_at	Hypothetical protein	6.94
Mtr.33184.1.S1_at	Hypothetical protein	6.94
Mtr.13083.1.S1_at	Hypothetical protein	6.93
Mtr.5079.1.S1_at	Syringolide-induced protein 1-3-1B	6.92
Mtr.7063.1.S1_at	Alcohol dehydrogenase	6.90
Mtr.24464.1.S1_at	Receptor-like protein kinase	6.89
Mtr.42683.1.S1_at	Acyl-activating enzyme	6.89
Mtr.15470.1.S1_s_at	Amino acid/polyamine transporter II	6.87
Mtr.43391.1.S1_at	Hypothetical protein	6.87
Mtr.32702.1.S1_at	Hypothetical protein	6.86
Mtr.28496.1.S1_at	Protein kinase	6.85
Mtr.42418.1.S1_at	Phospholipase D	6.85
Mtr.28500.1.S1_at	Outer surface protein C	6.84
Mtr.8880.1.S1_at	B12D-like protein	6.84
Mtr.12423.1.S1_at	Heat shock transcription factor	6.84
Mtr.10681.1.S1_at	Universal stress protein USPI-like protein	6.84
Mtr.23311.1.S1_at	Glycosyl hydrolase family	6.84
Mtr.23026.1.S1_at	Hypothetical protein	6.82
Mtr.28717.1.S1_at	Hypothetical protein	6.81
Msa.3099.1.S1_at	Hypothetical protein	6.81
Mtr.38568.1.S1_at	Kelch repeat-containing F-box	6.79
Mtr.42626.1.S1_at	Hypothetical protein	6.79
Mtr.19224.1.S1_at	bZIP transcription factor	6.78
Mtr.45266.1.S1_at	Phospholipase D	6.77
Msa.1202.1.S1_at	Hypothetical protein	6.77
Mtr.16850.1.S1_at	Curculin-like (mannose-binding) lectin	6.76
Mtr.46462.1.S1_at	AMP-dependent synthetase and ligase family	6.74
Mtr.6934.1.S1_at	Glutaredoxin-related-like protein	6.73
Msa.3172.1.S1_at	Hypothetical protein	6.72
Mtr.49405.1.S1_s_at	Disease resistance protein	6.72
Mtr.37493.1.S1_at	Phi-1 protein	6.71
Mtr.51988.1.S1_at	Pyridine nucleotide-disulphide oxidoreductase	6.70
Mtr.28526.1.S1_at	Hypothetical protein	6.70
Mtr.44386.1.S1_at	Hypothetical protein	6.69
Msa.1009.1.S1_at	Hypothetical protein	6.68
Mtr.51717.1.S1_at	Hypothetical protein	6.68
Mtr.17920.1.S1_s_at	Hypothetical protein	6.68
Mtr.17409.1.S1_s_at	Amino acid/polyamine transporter II	6.67



Mtr.48996.1.S1_at	Heat shock protein DnaJ	6.67
Mtr.37873.1.S1_at	Hypothetical protein	6.66
Mtr.40256.1.S1_at	Hypothetical protein	6.66
Mtr.7637.1.S1_at	Prostatic spermine-binding protein precursor (SBP)	6.66
Mtr.43184.1.S1_at	Hypothetical protein	6.65
Mtr.40073.1.S1_at	Hypothetical protein	6.65
Mtr.46961.1.S1_at	Hypothetical protein	6.65
Mtr.10636.1.S1_at	MYB protein	6.65
Mtr.3151.1.S1_s_at	Hypothetical protein	6.65
Mtr.17506.1.S1_at	Phospholipid-translocating P-type ATPase	6.64
Mtr.10928.1.S1_s_at	Avr9/Cf-9 rapidly elicited protein	6.64
Mtr.43605.1.S1_at	Glycosyl transferase	6.63
Mtr.40680.1.S1_at	Transcription factor MYB	6.63
Mtr.41783.1.S1_at	Hypothetical protein	6.62
Mtr.34448.1.S1_at	UDP-glucose 4-epimerase	6.62
Msa.1124.1.S1_at	Hypothetical protein	6.61
Mtr.8669.1.S1_at	Hypothetical protein	6.61
Mtr.44874.1.S1_at	Hypothetical protein	6.61
Mtr.40278.1.S1_at	Glutathione S-transferase	6.61
Mtr.42299.1.S1_at	Hypothetical protein	6.60
Mtr.11544.1.S1_at	Receptor-like kinase	6.59
Mtr.7943.1.S1_at	Hypothetical protein	6.58
Mtr.4906.1.S1_s_at	1-aminocyclopropane-1-carboxylate oxidase (ACC oxidase)	6.57
Mtr.9897.1.S1_s_at	Glycerol kinase	6.57
Mtr.43924.1.S1_at	Glutaredoxin-related-like protein	6.57
Mtr.34980.1.S1_s_at	Hypothetical protein	6.55
Mtr.33595.1.S1_s_at	Root-specific metal transporter	6.54
Mtr.6892.1.S1_at	S glycoprotein	6.54
Mtr.5692.1.S1_at	Indole-3-acetate beta-glucosyltransferase-like protein	6.53
Mtr.19888.1.S1_at	Glycosyl hydrolases family	6.51
Mtr.50994.1.S1_at	Zn-finger, RING	6.50
Mtr.46208.1.S1_at	Hypothetical protein	6.48
Mtr.10681.1.S1_s_at	Universal stress protein USP1-like protein	6.47
Msa.1569.1.S1_at	Hypothetical protein	6.46
Mtr.37906.1.S1_at	4,5-DOPA dioxygenase extradiol-like protein	6.45
Mtr.44872.1.S1_at	Cytochrome P450 monooxygenase	6.45
Mtr.50290.1.S1_s_at	Hypothetical protein	6.44
Mtr.42673.1.S1_at	Receptor-like serine/threonine kinase	6.44
Mtr.32374.1.S1_at	Serine carboxypeptidase	6.43
Mtr.11516.1.S1_at	Phosphoserine aminotransferase	6.42
Mtr.10063.1.S1_at	Cycloidea protein	6.42
Mtr.16854.1.S1_at	Protein kinase	6.41
Mtr.10165.1.S1_at	Ethylene receptor	6.41
Mtr.41182.1.S1_at	GTP-binding protein	6.40
Mtr.11783.1.S1_at	Hypothetical protein	6.39
Mtr.38735.1.S1_s_at	Hypothetical protein	6.39
Mtr.39468.1.S1_at	Hypothetical protein	6.39
Mtr.5055.1.S1_at	Hypothetical protein	6.39
Mtr.28525.1.S1_at	Hypothetical protein	6.38
Msa.1670.1.S1_at	Hypothetical protein	6.38
Mtr.48899.1.S1_at	Ferritin	6.37
Mtr.22589.1.S1_at	Hypothetical protein	6.36
Mtr.43900.1.S1_at	Hypothetical protein	6.35
Mtr.33265.1.S1_at	Hypothetical protein	6.35

Mtr.37224.1.S1_at	Hydroxyproline-rich glycoprotein	6.35
Mtr.38256.1.S1_s_at	Flavonol synthase	6.35
Mtr.12226.1.S1_x_at	Hypothetical protein	6.35
Mtr.32195.1.S1_at	Urea active transporter	6.34
Msa.686.1.S1_at	Hypothetical protein	6.34
Mtr.39267.1.S1_at	1-aminocyclopropane-1-carboxylate synthase	6.34
Mtr.38662.1.S1_at	Hypothetical protein	6.33
Mtr.38932.1.S1_at	Malate synthase	6.33
Mtr.24465.1.S1_at	Putative receptor-like protein kinase	6.33
Mtr.35704.1.S1_at	Hypothetical protein	6.33
Mtr.29300.1.S1_x_at	Hypothetical protein	6.31
Mtr.11587.1.S1_at	Hypothetical protein	6.30
Mtr.15028.1.S1_at	Transketolase	6.30
Mtr.41419.1.S1_at	Ring domain containing protein	6.30
Mtr.10090.1.S1_at	Homo-phytochelatin synthase	6.29
Mtr.33446.1.S1_at	Sucrose transporter	6.28
Mtr.42915.1.S1_at	Hypothetical protein	6.27
Mtr.35009.1.S1_at	Hypothetical protein	6.26
Mtr.41255.1.S1_at	Amino acid permease	6.25
Mtr.41855.1.S1_at	Hypothetical protein	6.25
Mtr.49771.1.S1_at	Hypothetical protein	6.25
Mtr.19206.1.S1_at	Ras GTPase	6.25
Mtr.1874.1.S1_at	Potential phospholipid-transporting ATPase	6.24
Mtr.9079.1.S1_at	Hypothetical protein	6.24
Mtr.24434.1.S1_at	Hypothetical protein	6.24
Mtr.42185.1.S1_at	Hypothetical protein	6.24
Mtr.12290.1.S1_s_at	Proline dehydrogenase	6.23
Mtr.22675.1.S1_at	Hypothetical protein	6.20
Mtr.10956.1.S1_at	Hypothetical protein	6.20
Mtr.32397.1.S1_s_at	Lipid phosphate phosphatase	6.19
Mtr.42770.1.S1_at	Photosystem II 23 kDa polypeptide	6.19
Mtr.25575.1.S1_at	Hypothetical protein	6.19
Mtr.44823.1.S1_at	Hypothetical protein	6.19
Mtr.37646.1.S1_s_at	Hypothetical protein	6.18
Mtr.6875.1.S1_at	Hypothetical protein	6.17
Mtr.29374.1.S1_at	Hypothetical protein	6.17
Mtr.43023.1.S1_at	Hypothetical protein	6.17
Mtr.27726.1.S1_at	Rod shape-determining protein	6.17
Mtr.8653.1.S1_at	Peroxidase	6.16
Mtr.14785.1.S1_at	Hypothetical protein	6.16
Msa.2848.1.S1_at	Hypothetical protein	6.16
Mtr.33562.1.S1_at	Hypothetical protein	6.15
Mtr.684.1.S1_at	Hypothetical protein	6.14
Mtr.45910.1.S1_at	Hypothetical protein	6.13
Mtr.49234.1.S1_at	Protein kinase	6.11
Msa.1709.1.S1_at	Hypothetical protein	6.11
Mtr.13044.1.S1_at	WRKY transcription factor	6.11
Mtr.43707.1.S1_at	Hypothetical protein	6.11
Mtr.43706.1.S1_at	Hypothetical protein	6.10
Mtr.3345.1.S1_at	Hypothetical protein	6.10
Mtr.51664.1.S1_s_at	Hypothetical protein	6.08
Mtr.10308.1.S1_at	Hydroxyproline-rich glycoprotein	6.08
Mtr.42692.1.S1_at	Glutaredoxin-like protein	6.07
Mtr.38959.1.S1_s_at	GTP-binding protein	6.07

Mtr.12772.1.S1_at	Mlo protein homolog	6.07
Mtr.13150.1.S1_at	Hypothetical protein	6.07
Mtr.11986.1.S1_at	WD40-repeat protein	6.06
Mtr.50585.1.S1_at	Proteinase inhibitor I3	6.06
Mtr.38799.1.S1_at	Cytokinin oxidase-like protein	6.06
Mtr.51916.1.S1_at	Hypothetical protein	6.06
Mtr.25168.1.S1_at	Hypothetical protein	6.06
Mtr.15470.1.S1_at	Amino acid/polyamine transporter II	6.05
Mtr.43416.1.S1_at	Zinc-finger protein	6.05
Mtr.41223.1.S1_at	ATP-dependent phosphoenolpyruvate carboxykinase	6.04
Mtr.37277.1.S1_at	Calcium-dependent protein kinase	6.03
Msa.2329.1.S1_at	Hypothetical protein	6.03
Mtr.10049.1.S1_at	Biotin synthase	6.03
Mtr.39460.1.S1_at	Hypothetical protein	6.02
Mtr.6178.1.S1_at	Alanine racemase	6.02
Mtr.9478.1.S1_at	Laccase-like protein	6.00
Mtr.42353.1.S1_at	NADH dehydrogenase subunit 3	6.00
Mtr.24465.1.S1_x_at	Putative receptor-like protein kinase	5.98
Mtr.16728.1.S1_at	Hypothetical protein	5.98
Mtr.11612.1.S1_at	Hypothetical protein	5.98
Mtr.41599.1.S1_s_at	SNARE-interacting protein KEULE	5.97
Mtr.10655.1.S1_at	Hypothetical protein	5.96
Msa.1241.1.S1_at	Hypothetical protein	5.95
Msa.3111.1.S1_x_at	Hypothetical protein	5.95
Mtr.41427.1.S1_at	Pyruvate, phosphate dikinase	5.95
Mtr.50492.1.S1_s_at	Ribosomal protein L3	5.95
Msa.2831.1.S1_at	Hypothetical protein	5.93
Mtr.18747.1.S1_at	Hypothetical protein	5.93
Mtr.43272.1.S1_at	Hypothetical protein	5.93
Mtr.11112.1.S1_at	Hypothetical protein	5.93
Mtr.32666.1.S1_at	Hypothetical protein	5.92
Mtr.10253.1.S1_at	Cellulose synthase	5.92
Mtr.11385.1.S1_at	Hypothetical protein	5.92
Mtr.5032.1.S1_at	KIC-related protein	5.92
Mtr.40075.1.S1_at	Pprg2 protein	5.91
Mtr.44404.1.S1_s_at	Hypothetical protein	5.91
Mtr.33536.1.S1_at	Sugar transporter-like protein	5.90
Mtr.47936.1.S1_at	Hypothetical protein	5.90
Mtr.912.1.S1_s_at	ATP citrate lyase a-subunit	5.89
Mtr.9214.1.S1_at	Hypothetical protein	5.89
Mtr.48875.1.S1_s_at	Hypothetical protein	5.89
Mtr.21501.1.S1_at	Zn-finger, RING	5.89
Mtr.35960.1.S1_at	1, 3-beta-glucanase-like protein	5.89
Mtr.15172.1.S1_at	Leucine-rich repeat receptor-like protein kinase 1	5.89
Mtr.11788.1.S1_at	Hypothetical protein	5.87
Mtr.13161.1.S1_at	Hypothetical protein	5.87
Mtr.35172.1.S1_at	Hypothetical protein	5.87
Msa.1270.1.S1_at	Hypothetical protein	5.86
Mtr.51256.1.S1_at	Transferase	5.86
Mtr.6526.1.S1_at	Hypothetical protein	5.86
Mtr.26364.1.S1_at	Hypothetical protein	5.86
Mtr.52124.1.S1_s_at	Phosphate-induced protein	5.86
Mtr.47542.1.S1_at	Hypothetical protein	5.86
Mtr.40239.1.S1_at	Phosphoenolpyruvate carboxykinase	5.85

Mtr.37168.1.S1_at	Hypothetical protein	5.85
Mtr.37374.1.S1_at	Patatin-like protein	5.85
Mtr.35662.1.S1_at	Hypothetical protein	5.85
Mtr.12240.1.S1_at	Envelope glycoprotein	5.85
Mtr.37283.1.S1_s_at	Pathogen-inducible alpha-dioxygenase	5.85
Mtr.26459.1.S1_at	Avr9/Cf-9 rapidly elicited protein	5.84
Mtr.40847.1.S1_at	Hypothetical protein	5.84
Mtr.45270.1.S1_at	Hypothetical protein	5.84
Mtr.12783.1.S1_at	Heat shock protein	5.84
Mtr.37678.1.S1_at	Oxoglutarate transaminase I	5.83
Mtr.41962.1.S1_at	Ketol-acid reductoisomerase	5.83
MsaAffx.3537.1.S1_s_at	Hypothetical protein	5.83
Mtr.28547.1.S1_s_at	Glutathione S-transferase GST	5.83
Mtr.13060.1.S1_at	Hypothetical protein	5.82
Mtr.25525.1.S1_at	Hypothetical protein	5.80
Mtr.36359.1.S1_s_at	Hypothetical protein	5.79
Mtr.27828.1.S1_at	Phospholipase D	5.78
Mtr.37831.1.S1_at	Hypothetical protein	5.77
Mtr.11728.1.S1_at	Hypothetical protein	5.77
Mtr.33441.1.S1_s_at	Hypothetical protein	5.77
Mtr.9063.1.S1_at	Glucose/sorbosone dehydrogenases-like protein	5.76
Mtr.1018.1.S1_s_at	GDP-mannose transporter	5.75
Mtr.44925.1.S1_at	Hypothetical protein	5.73
Mtr.52317.1.S1_at	Hypothetical protein	5.73
Mtr.45563.1.S1_at	PDR9 ABC transporter	5.73
Mtr.33142.1.S1_at	Hypothetical protein	5.73
Mtr.42571.1.S1_at	MutT domain protein	5.71
Mtr.35520.1.S1_at	Hypothetical protein	5.71
Mtr.39287.1.S1_at	SGP1 monomeric G-protein	5.71
Mtr.25966.1.S1_at	Hypothetical protein	5.70
Mtr.48874.1.S1_at	Hypothetical protein	5.69
Mtr.11072.1.S1_at	Hypothetical protein	5.69
Mtr.1401.1.S1_at	Hypothetical protein	5.68
Mtr.13407.1.S1_at	Hypothetical protein	5.68
Mtr.40911.1.S1_s_at	Cationic peroxidase 2	5.68
Mtr.35045.1.S1_at	Rab escort protein	5.68
Mtr.47908.1.S1_at	Hypothetical protein	5.67
Mtr.13237.1.S1_at	Hypothetical protein	5.66
Mtr.7249.1.S1_at	N-hydroxycinnamoyl/benzoyltransferase-like protein	5.66
Mtr.50912.1.S1_s_at	Hypothetical protein	5.65
Mtr.985.1.S1_at	Hypothetical protein	5.65
Mtr.8425.1.S1_at	Hypothetical protein	5.65
Mtr.28550.1.S1_at	Hypothetical protein	5.64
Mtr.12589.1.S1_at	Acetyl-CoA carboxylase	5.63
Mtr.40933.1.S1_at	TIR-similar-domain-containing protein	5.63
Mtr.34901.1.S1_s_at	PDR-like ABC transporter	5.63
Mtr.40880.1.S1_at	Electron transfer flavoprotein beta-subunit-like	5.62
Mtr.9429.1.S1_at	Transcription factor RAU1	5.62
Mtr.42984.1.S1_at	Proline dehydrogenase	5.61
Mtr.38375.1.S1_at	Hypothetical protein	5.60
Mtr.23085.1.S1_s_at	Hypothetical protein	5.60
Msa.1414.1.S1_at	Hypothetical protein	5.60
Mtr.12694.1.S1_at	NAC domain protein NAC1	5.59
Mtr.1800.1.S1_at	Cytochrome b	5.59

Mtr.17829.1.S1_at	UDP-glucose 4-epimerase	5.58
Mtr.2486.1.S1_at	Hypothetical protein	5.58
Mtr.12226.1.S1_s_at	Hypothetical protein	5.58
Mtr.31075.1.S1_at	Receptor protein kinase	5.58
Mtr.12034.1.S1_at	ADP/ATP translocase-like protein	5.58
Mtr.43845.1.S1_at	Hypothetical protein	5.58
Mtr.43343.1.S1_at	Hypothetical protein	5.57
Mtr.6926.1.S1_at	Hypothetical protein	5.56
Mtr.41494.1.S1_at	Hypothetical protein	5.56
Mtr.40203.1.S1_at	Aldehyde dehydrogenase (NAD <sup>+</sup> )	5.56
Mtr.1526.1.S1_a_at	Hypothetical protein	5.54
Mtr.27812.1.S1_at	Hypothetical protein	5.54
Mtr.6918.1.S1_at	Phospholipase PLDb1	5.54
Mtr.40315.1.S1_at	Al-induced protein	5.54
Mtr.4958.1.S1_at	Hypothetical protein	5.54
Mtr.12540.1.S1_s_at	Receptor kinase	5.54
Mtr.48787.1.S1_s_at	WD-40 repeat protein	5.53
Mtr.43583.1.S1_at	Hypothetical protein	5.53
Mtr.19235.1.S1_at	Hypothetical protein	5.53
Mtr.24063.1.S1_at	Hypothetical protein	5.53
Mtr.33188.1.S1_at	Hypothetical protein	5.52
Mtr.32188.1.S1_x_at	Chalcone synthase 9	5.52
Mtr.31327.1.S1_s_at	Protein kinase	5.51
Mtr.12497.1.S1_at	Protein kinase	5.50
Mtr.12412.1.S1_at	Glutamate dehydrogenase 1 (GDH 1)	5.49
Mtr.50046.1.S1_at	Hypothetical protein	5.49
Mtr.38086.1.S1_at	Alpha-N-acetylglucosaminidase	5.49
Mtr.25306.1.S1_at	Prolyl 4-hydroxylase, alpha subunit	5.48
Mtr.8935.1.S1_at	Alternative oxidase 3	5.48
Mtr.41983.1.S1_at	Glucosyltransferase-7	5.48
Mtr.33482.1.S1_s_at	Carbonic anhydrase 2	5.48
Mtr.50205.1.S1_at	Hypothetical protein	5.47
Mtr.38064.1.S1_at	Hypothetical protein	5.47
Mtr.40124.1.S1_at	Peroxidase1B	5.47
Msa.2372.1.S1_at	Hypothetical protein	5.46
Mtr.10619.1.S1_at	Hypothetical protein	5.46
Msa.1774.1.S1_at	Hypothetical protein	5.46
Mtr.9101.1.S1_at	PDR-like ABC transporter	5.46
Msa.3040.1.S1_at	Hypothetical protein	5.45
Mtr.40703.1.S1_at	Hypothetical protein	5.45
Mtr.9613.1.S1_at	TIR-similar-domain-containing protein	5.44
Mtr.11134.1.S1_at	Ornithine aminotransferase	5.44
Mtr.43706.1.S1_s_at	Hypothetical protein	5.44
Mtr.42223.1.S1_at	Hypothetical protein	5.44
Mtr.4967.1.S1_at	GTPase activating protein	5.43
Msa.1639.1.S1_at	Hypothetical protein	5.42
Mtr.51296.1.S1_at	Hypothetical protein	5.42
Mtr.45843.1.S1_at	Hypothetical protein	5.40
Mtr.10408.1.S1_at	Ferrochelatae I	5.39
Msa.2663.1.S1_at	Hypothetical protein	5.39
Mtr.31177.1.S1_at	Ubiquitin-protein ligase	5.38
Msa.3054.1.S1_at	Hypothetical protein	5.38
Mtr.10616.1.S1_at	Hypothetical protein	5.38
Mtr.34926.1.S1_s_at	Hypothetical protein	5.37

Mtr.24888.1.S1_at	Hypothetical protein	5.37
Mtr.11278.1.S1_at	Hypothetical protein	5.37
Mtr.39144.1.S1_at	WD40-repeat protein	5.37
Mtr.32690.1.S1_at	Hypothetical protein	5.36
Mtr.44843.1.S1_at	Hypothetical protein	5.35
Mtr.43170.1.S1_s_at	Glutamate dehydrogenase 1 (GDH 1)	5.35
Mtr.24715.1.S1_at	Glutathione S-transferase GST 14	5.34
Mtr.39919.1.S1_at	Protein kinase	5.34
Mtr.35824.1.S1_at	GATA-1 zinc finger protein	5.33
Mtr.25611.1.S1_at	4-coumarate:CoA ligase	5.33
Mtr.38510.1.S1_at	Hypothetical protein	5.33
Mtr.40682.1.S1_at	Proline/glycine betaine transporter	5.33
Mtr.4702.1.S1_at	Fiber protein Fb1	5.33
Mtr.40789.1.S1_at	DNA-binding protein	5.33
Mtr.44516.1.S1_at	Type IIB calcium ATPase	5.33
Mtr.7608.1.S1_at	50S ribosomal protein L33	5.31
Mtr.33221.1.S1_s_at	acyl-activating enzyme 13	5.31
Mtr.32008.1.S1_at	Hypothetical protein	5.31
Mtr.37347.1.S1_s_at	Hypothetical protein	5.30
Mtr.43291.1.S1_at	Fiber protein Fb1	5.30
Mtr.35086.1.S1_at	Hypothetical protein	5.30
Mtr.44122.1.S1_at	Hypothetical protein	5.30
Mtr.47774.1.S1_at	Hypothetical protein	5.28
Mtr.31335.1.S1_s_at	Alcohol dehydrogenase-like protein	5.28
Mtr.791.1.S1_at	Acyl-activating enzyme	5.28
Mtr.296.1.S1_at	Hypothetical protein	5.28
Mtr.43917.1.S1_at	Hypothetical protein	5.28
Mtr.2124.1.S1_s_at	Hypothetical protein	5.27
Mtr.25841.1.S1_at	Plasma intrinsic protein	5.26
Mtr.1214.1.S1_at	Hypothetical protein	5.26
Mtr.8548.1.S1_at	Proline-rich cell wall protein	5.25
Mtr.5044.1.S1_s_at	Hypothetical protein	5.25
Mtr.10691.1.S1_at	ATP citrate lyase a-subunit	5.25
Mtr.19723.1.S1_at	Serine/threonine protein kinase	5.25
Mtr.11357.1.S1_at	SNARE-interacting protein KEULE	5.24
Mtr.27551.1.S1_at	LOB domain protein 38	5.24
Mtr.42007.1.S1_at	Hypothetical protein	5.24
Mtr.42072.1.S1_at	Nodulin	5.24
Mtr.6811.1.S1_s_at	Glutathione S-transferase GST 17	5.23
Mtr.25059.1.S1_at	WD-40 repeat protein	5.22
Mtr.43266.1.S1_at	Hypothetical protein	5.22
Mtr.13394.1.S1_at	Hypothetical protein	5.21
Mtr.82.1.S1_at	STS14 protein	5.20
Mtr.31406.1.S1_x_at	Isoflavonoid glucosyltransferase	5.20
Mtr.13630.1.S1_at	Hypothetical protein	5.19
Mtr.35775.1.S1_at	Hypothetical protein	5.19
Mtr.37393.1.S1_at	Hypothetical protein	5.19
Mtr.37412.1.S1_s_at	Chalcone-flavonone isomerase	5.19
Mtr.51042.1.S1_at	Hypothetical protein	5.18
Mtr.50280.1.S1_at	Protein kinase	5.18
Mtr.19727.1.S1_at	Hypothetical protein	5.18
Mtr.22601.1.S1_at	Endoxyloglucan transferase	5.17
Mtr.21035.1.S1_at	Sugar transporter	5.17
Mtr.18369.1.S1_at	Glutathione S-transferase	5.17



Mtr.20215.1.S1_s_at	Hypothetical protein	5.16
Mtr.13949.1.S1_at	PLU-1 protein	5.16
Mtr.30853.1.S1_at	Sugar transporter	5.16
Mtr.15228.1.S1_at	Hypothetical protein	5.16
Mtr.20315.1.S1_at	Adenine phosphoribosyltransferase-like protein	5.15
Mtr.15448.1.S1_at	Gibberellin regulated protein	5.14
Mtr.2282.1.S1_at	Hypothetical protein	5.13
Mtr.44257.1.S1_s_at	Hypothetical protein	5.13
Mtr.9897.1.S1_at	Glycerol kinase	5.12
Mtr.39894.1.S1_at	Dermal papilla derived protein	5.12
Mtr.11383.1.S1_at	Hypothetical protein	5.12
Mtr.4702.1.S1_s_at	Fiber protein Fb1	5.12
Mtr.15523.1.S1_at	U box protein	5.12
Mtr.38274.1.S1_at	Steroid 22-alpha-hydroxylase	5.11
Mtr.12525.1.S1_at	Chitinase	5.10
Msa.996.1.S1_at	Hypothetical protein	5.10
Mtr.51562.1.S1_at	No apical meristem (NAM) protein	5.09
Mtr.33428.1.S1_at	Hypothetical protein	5.09
Mtr.37284.1.S1_at	Topoisomerase-like protein	5.09
Mtr.10407.1.S1_s_at	Ferrochelatase II	5.09
Mtr.18646.1.S1_at	Hypothetical protein	5.08
Mtr.37330.1.S1_at	Transcription factor	5.08
Mtr.41526.1.S1_at	Lipoamide dehydrogenase	5.08
Mtr.12175.1.S1_at	Hypothetical protein	5.08
Mtr.42389.1.S1_at	Hypothetical protein	5.07
Mtr.14250.1.S1_at	Arf GTPase activating protein	5.07
Mtr.11251.1.S1_at	Protein integral membrane protein	5.06
Mtr.42067.1.S1_s_at	Hypothetical protein	5.06
Mtr.34806.1.S1_s_at	MLO-like protein 2	5.06
Mtr.38811.1.S1_s_at	Nucleosome assembly protein 1	5.06
Mtr.8884.1.S1_at	Pathogenesis-related protein 4A	5.06
Mtr.37410.1.S1_at	Hypothetical protein	5.05
Mtr.5270.1.S1_at	Hypothetical protein	5.05
Mtr.43241.1.S1_at	Transcription factor WRKY32	5.04
Mtr.34775.1.S1_at	Hypothetical protein	5.04
Mtr.9913.1.S1_at	Hypothetical protein	5.04
Mtr.24211.1.S1_at	Hypothetical protein	5.04
Mtr.43364.1.S1_at	Hypothetical protein	5.03
Mtr.39176.1.S1_at	Hypothetical protein	5.02
Mtr.31291.1.S1_at	Geranyl diphosphate synthase large subunit	5.01
Mtr.43799.1.S1_at	Hypothetical protein	5.00
Mtr.43853.1.S1_at	Hypothetical protein	5.00
Mtr.44780.1.S1_at	Hypothetical protein	5.00
Mtr.13094.1.S1_at	GTP-binding protein	5.00
Msa.884.1.S1_at	Hypothetical protein	5.00
Mtr.32104.1.S1_s_at	Respiratory burst oxidase homolog	4.99
Mtr.49012.1.S1_at	Zn-finger	4.99
Mtr.5195.1.S1_at	Hypothetical protein	4.99
Mtr.9552.1.S1_at	Protein kinase	4.98
Mtr.48688.1.S1_at	DNA-binding WRKY	4.98
Mtr.39742.1.S1_at	Hypothetical protein	4.97
Mtr.47441.1.S1_at	Hypothetical protein	4.96
Mtr.38205.1.S1_at	Mannose transporter	4.96
Mtr.42289.1.S1_at	Hypothetical protein	4.96

Mtr.36847.1.S1_at	Hypothetical protein	4.96
Mtr.43236.1.S1_at	UDP-glucosyltransferase	4.96
Mtr.27895.1.S1_at	Ser/Thr protein phosphatase 2C	4.95
Mtr.12626.1.S1_at	Snakin-1	4.95
Msa.582.1.S1_at	Hypothetical protein	4.94
Mtr.1549.1.S1_at	Hypothetical protein	4.94
Mtr.12688.1.S1_at	Hypothetical protein	4.93
Mtr.34217.1.S1_at	Ss-galactosidase	4.93
Mtr.40685.1.S1_at	Hypothetical protein	4.93
Mtr.2158.1.S1_at	Hypothetical protein	4.93
Mtr.51563.1.S1_at	Threonine synthase	4.92
Mtr.29652.1.S1_at	Hypothetical protein	4.92
Msa.2661.1.S1_at	Hypothetical protein	4.92
Mtr.27222.1.S1_at	Hypothetical protein	4.92
Mtr.9141.1.S1_at	Hypothetical protein	4.91
Mtr.31614.1.S1_at	WD-repeat protein	4.91
Mtr.37965.1.S1_at	Hypothetical protein	4.91
Mtr.45293.1.S1_s_at	Hypothetical protein	4.91
Mtr.8705.1.S1_at	Hypothetical protein	4.90
Msa.1436.1.S1_at	Hypothetical protein	4.90
Msa.2215.1.S1_at	Hypothetical protein	4.90
Mtr.12760.1.S1_at	Hypothetical protein	4.90
Mtr.10976.1.S1_at	WRKY transcription factor	4.89
Mtr.26606.1.S1_at	Hypothetical protein	4.89
Mtr.27313.1.S1_at	Receptor kinase-like protein	4.89
Mtr.13645.1.S1_at	Hypothetical protein	4.89
Mtr.37412.1.S1_at	Chalcone-flavonone isomerase	4.87
Mtr.13139.1.S1_at	Carbonate dehydratase-like protein	4.86
Mtr.9546.1.S1_at	Hypothetical protein	4.86
Mtr.35144.1.S1_s_at	Acyl-activating enzyme	4.86
Mtr.10018.1.S1_at	Hypothetical protein	4.86
Mtr.12946.1.S1_at	Zinc finger (C3HC4-type RING finger) family protein	4.85
Mtr.15895.1.S1_s_at	Hypothetical protein	4.85
Mtr.39774.1.S1_at	Ttg1-like protein	4.85
Mtr.42470.1.S1_x_at	Alpha galactosidase	4.85
Mtr.24755.1.S1_at	Hypothetical protein	4.85
Mtr.47143.1.S1_s_at	Brassinosteroid-regulated protein BRU1	4.85
Mtr.43378.1.S1_at	Beta-1,3 glucanase precursor	4.85
Mtr.17517.1.S1_at	Hypothetical protein	4.84
Mtr.30227.1.S1_at	Hypothetical protein	4.83
Mtr.12220.1.S1_at	Phi-1 protein	4.82
Mtr.30167.1.S1_at	Hypothetical protein	4.82
Mtr.16873.1.S1_s_at	O-methyltransferase	4.81
Msa.3096.1.S1_at	Hypothetical protein	4.81
Mtr.1266.1.S1_at	Protein kinase	4.81
Mtr.27351.1.S1_at	Protein kinase	4.81
Mtr.49053.1.S1_at	Hypothetical protein	4.81
Mtr.37779.1.S1_at	Formate dehydrogenase	4.81
Mtr.10701.1.S1_at	Axi 1 protein-like protein	4.80
Mtr.40651.1.S1_at	Hypothetical protein	4.80
Mtr.10629.1.S1_at	Caffeoyl-CoA O-methyltransferase	4.80
Mtr.6545.1.S1_x_at	Hypothetical protein	4.80
Mtr.930.1.S1_at	Hypothetical protein	4.80
Mtr.11140.1.S1_at	Protein kinase APK1B	4.79

Mtr.246.1.S1_at	DnaJ-like protein	4.79
Mtr.44747.1.S1_at	Secreted glycoprotein	4.79
Mtr.8789.1.S1_s_at	Formate dehydrogenase	4.79
Mtr.42470.1.S1_at	Alpha galactosidase	4.78
Mtr.40284.1.S1_at	Hypothetical protein	4.78
Mtr.44123.1.S1_at	Lipase class 3-like	4.78
Mtr.30474.1.S1_s_at	Hypothetical protein	4.78
Mtr.18117.1.S1_at	Hypothetical protein	4.78
Mtr.31575.1.S1_at	Phosphoribosylanthranilate transferase	4.78
Mtr.10974.1.S1_at	Hypothetical protein	4.78
Mtr.4918.1.S1_at	S-receptor kinase	4.78
Msa.2673.1.S1_at	Hypothetical protein	4.77
Mtr.7708.1.S1_s_at	Hypothetical protein	4.77
Mtr.6696.1.S1_at	Hypothetical protein	4.77
Mtr.42052.1.S1_at	F-box family protein	4.77
Mtr.27992.1.S1_at	Hypothetical protein	4.76
Mtr.5337.1.S1_at	Hypothetical protein	4.76
Msa.1875.1.S1_at	Hypothetical protein	4.76
Mtr.35604.1.S1_at	Lipase family protein	4.74
Mtr.6009.1.S1_at	Hypothetical protein	4.73
Mtr.9913.1.S1_s_at	Hypothetical protein	4.73
Mtr.38424.1.S1_at	Lectin-like receptor kinase	4.72
Mtr.9668.1.S1_at	Hypothetical protein	4.72
Mtr.8990.1.S1_at	Hypothetical protein	4.72
Mtr.6378.1.S1_at	1-aminocyclopropanecarboxylic acid oxidase	4.71
Mtr.2720.1.S1_at	Gyrase A	4.71
Mtr.5765.1.S1_at	Receptor-like protein kinase	4.71
Mtr.9938.1.S1_at	Dihydrodipicolinate synthase	4.71
Mtr.12312.1.S1_at	ATP citrate lyase b-subunit	4.71
Mtr.30446.1.S1_at	Cystinosin	4.70
Mtr.31877.1.S1_at	P-glycoprotein-like	4.70
Mtr.1851.1.S1_s_at	Secreted glycoprotein	4.69
Mtr.37202.1.S1_at	Cyclic nucleotide gated channel	4.68
Mtr.33360.1.S1_at	Hypothetical protein	4.68
Mtr.29044.1.S1_at	Hypothetical protein	4.68
Mtr.2889.1.S1_at	Hypothetical protein	4.68
Msa.1940.1.S1_at	Hypothetical protein	4.68
Mtr.2627.1.S1_at	Hypothetical protein	4.68
Mtr.44816.1.S1_at	Hypothetical protein	4.67
Mtr.41503.1.S1_at	Hypothetical protein	4.67
Mtr.20821.1.S1_at	Zinc finger protein, CONSTANS type	4.67
Mtr.5950.1.S1_s_at	Zinc finger protein	4.66
Mtr.37524.1.S1_at	Hypothetical protein	4.66
Mtr.44393.1.S1_at	Transformer-SR ribonucleoprotein	4.65
Mtr.11388.1.S1_at	Transcription factor	4.65
Mtr.41307.1.S1_at	Hypothetical protein	4.65
Mtr.43258.1.S1_s_at	Hypothetical protein	4.65
Mtr.50859.1.S1_s_at	Hypothetical protein	4.64
Mtr.428.1.S1_at	Leucine rich repeat protein family	4.64
Mtr.8726.1.S1_at	Hypothetical protein	4.64
Mtr.13347.1.S1_at	Lipoxygenase	4.64
Mtr.8621.1.S1_s_at	Hypothetical protein	4.64
Mtr.4342.1.S1_at	Hypothetical protein	4.63
Mtr.21000.1.S1_at	Universal stress protein	4.63

Mtr.33203.1.S1_at	Hypothetical protein	4.63
Mtr.48130.1.S1_at	Hypothetical protein	4.63
Mtr.41380.1.S1_at	Hypothetical protein	4.62
Mtr.43294.1.S1_at	Non-specific lipid transfer-like protein	4.62
Mtr.49745.1.S1_s_at	Tyrosine specific protein phosphatase	4.61
Mtr.20378.1.S1_at	Sugar transporter	4.61
Mtr.9074.1.S1_at	Hypothetical protein	4.61
Mtr.35088.1.S1_at	Hypothetical protein	4.61
Msa.1264.1.S1_at	Hypothetical protein	4.61
Mtr.12004.1.S1_at	Hypothetical protein	4.60
Mtr.33253.1.S1_at	Hypothetical protein	4.60
Mtr.2673.1.S1_s_at	Hypothetical protein	4.60
Mtr.16859.1.S1_at	Calcium-binding EF-hand	4.59
Mtr.13391.1.S1_at	Hypothetical protein	4.59
Mtr.5530.1.S1_s_at	Hypothetical protein	4.58
Mtr.37425.1.S1_at	Transcription factor WRKY10	4.57
Mtr.12209.1.S1_at	Phi-1 protein	4.57
Mtr.42466.1.S1_at	Phosphate transporter	4.57
Mtr.52294.1.S1_at	DNA photolyase	4.57
Mtr.16110.1.S1_at	Ankyrin protein	4.56
Mtr.38461.1.S1_at	Calmodulin-like domain protein kinase	4.56
Msa.937.1.S1_at	Hypothetical protein	4.56
Mtr.44296.1.S1_at	Cellulose synthase-like protein	4.55
Mtr.16849.1.S1_at	Protein kinase	4.55
Mtr.13422.1.S1_at	Hypothetical protein	4.55
Mtr.409.1.S1_at	Hypothetical protein	4.55
Mtr.38581.1.S1_at	Zinc finger protein	4.55
Mtr.43604.1.S1_s_at	Hypothetical protein	4.53
Mtr.12972.1.S1_at	Hypothetical protein	4.53
Mtr.40005.1.S1_at	Hypothetical protein	4.52
Mtr.17135.1.S1_at	Phospholipid-translocating P-type ATPase	4.52
Mtr.41232.1.S1_at	Cytochrome b5	4.52
Mtr.27830.1.S1_at	Arginine/serine-rich protein	4.52
Mtr.38027.1.S1_at	Hypothetical protein	4.52
Mtr.1516.1.S1_at	S-receptor kinase-like protein	4.52
Mtr.2541.1.S1_at	RuvB DNA helicase-like protein	4.52
Msa.1370.1.S1_at	Hypothetical protein	4.52
Mtr.51608.1.S1_at	Plant lipid transfer protein	4.51
Mtr.12703.1.S1_at	Hypothetical protein	4.51
Mtr.42229.1.S1_at	Hypothetical protein	4.51
Mtr.50954.1.S1_s_at	Hypothetical protein	4.51
Mtr.48842.1.S1_at	Hypothetical protein	4.51
Mtr.9195.1.S1_at	Hypothetical protein	4.50
Mtr.33603.1.S1_s_at	Transaldolase	4.50
Mtr.1854.1.S1_at	Hypothetical protein	4.50
Msa.1491.1.S1_at	Hypothetical protein	4.49
Mtr.13605.1.S1_at	Hypothetical protein	4.49
Mtr.15799.1.S1_at	Hypothetical protein	4.49
Mtr.38001.1.S1_at	Hypothetical protein	4.49
Mtr.12550.1.S1_at	Steroid sulfotransferase-like protein	4.49
Mtr.13183.1.S1_at	Hypothetical protein	4.49
Mtr.46642.1.S1_at	Protein kinase family	4.48
Mtr.11560.1.S1_s_at	ADP/ATP translocase-like protein	4.48
Mtr.48288.1.S1_s_at	Senescence-associated protein	4.48

Mtr.17825.1.S1_at	Hypothetical protein	4.47
Mtr.5506.1.S1_at	Protein phosphatase 2C	4.47
Msa.2981.1.S1_at	Hypothetical protein	4.46
Mtr.22270.1.S1_s_at	Hypothetical protein	4.46
Mtr.24411.1.S1_at	Hypothetical protein	4.45
Mtr.13823.1.S1_at	Hypothetical protein	4.45
Mtr.7313.1.S1_at	50S ribosomal protein L3-2	4.45
Mtr.13087.1.S1_at	Hypothetical protein	4.45
Mtr.37651.1.S1_s_at	5-enolpyruvylshikimate-3-phosphate synthase	4.44
Mtr.35231.1.S1_s_at	Pathogenesis-related protein	4.44
Mtr.10807.1.S1_at	Hypothetical protein	4.44
Mtr.41245.1.S1_at	Chorismate mutase	4.44
Msa.820.1.S1_at	Hypothetical protein	4.44
Mtr.32738.1.S1_at	Myo-inositol oxygenase	4.43
Msa.1800.1.S1_at	Hypothetical protein	4.43
Mtr.21266.1.S1_at	Hypothetical protein	4.43
Mtr.39168.1.S1_at	Dihydrodipicolinate synthase	4.43
Mtr.13110.1.S1_at	Fiber protein Fb2	4.42
Mtr.7440.1.S1_at	Hypothetical protein	4.41
Mtr.39664.1.S1_at	Hypothetical protein	4.41
Mtr.5605.1.S1_at	Protein phosphatase 2C	4.41
Mtr.12229.1.S1_s_at	RING zinc finger protein	4.41
Mtr.27180.1.S1_at	Hypothetical protein	4.41
Mtr.318.1.S1_at	OPR3 (12-oxophytodienoic acid 10,11-reductase)	4.41
Mtr.9440.1.S1_at	Hypothetical protein	4.40
Mtr.14950.1.S1_s_at	H <sup>+</sup> -transporting two-sector ATPase	4.40
Mtr.5260.1.S1_at	Hypothetical protein	4.40
Mtr.31621.1.S1_at	Hypothetical protein	4.40
Mtr.51564.1.S1_at	Glycoside hydrolase	4.40
Mtr.1532.1.S1_at	Hypothetical protein	4.40
Mtr.2945.1.S1_at	NADP <sup>+</sup> reductase	4.39
Mtr.7373.1.S1_at	Hypothetical protein	4.39
Mtr.6315.1.S1_at	GCN4-complementing protein (GCP1)	4.39
Mtr.43201.1.S1_s_at	110 kDa 4SNc-Tudor domain protein	4.39
Mtr.23797.1.S1_s_at	Brassinosteroid-regulated protein BRU1	4.39
Mtr.45319.1.S1_at	Hypothetical protein	4.39
Mtr.33759.1.S1_at	F-box family protein	4.39
Mtr.12234.1.S1_s_at	40S ribosomal protein S4	4.38
Msa.821.1.S1_at	Hypothetical protein	4.38
Mtr.9209.1.S1_at	Hypothetical protein	4.38
Mtr.38773.1.S1_at	Protein kinase	4.37
Mtr.34161.1.S1_at	Amino acid permease-like protein	4.37
Mtr.12925.1.S1_at	RING/C3HC4/PHD zinc finger-like protein	4.37
Mtr.42649.1.S1_at	Hypothetical protein	4.37
Mtr.12146.1.S1_at	Hypothetical protein	4.37
Msa.3094.1.S1_at	Hypothetical protein	4.37
Mtr.31998.1.S1_at	Epoxide hydrolase	4.37
Mtr.24000.1.S1_at	Pentatricopeptide (PPR) repeat-containing protein	4.37
Mtr.15773.1.S1_at	Cyclin-like F-box	4.36
Mtr.18680.1.S1_at	Heat shock protein	4.36
Mtr.32924.1.S1_at	Heat shock protein	4.36
Mtr.10798.1.S1_at	Hypothetical protein	4.36
Mtr.30716.1.S1_at	Hypothetical protein	4.36
Mtr.40054.1.S1_at	Hypothetical protein	4.36

Mtr.43097.1.S1_at	Beta-amylase	4.36
Mtr.14781.1.S1_at	Hypothetical protein	4.35
Mtr.43825.1.S1_at	Hypothetical protein	4.35
Mtr.11118.1.S1_at	Calcium-dependent protein kinase	4.35
Mtr.48971.1.S1_at	Cytochrome oxidase	4.35
Msa.3189.1.S1_at	Hypothetical protein	4.35
Mtr.31364.1.S1_at	Phosphoglycerate dehydrogenase	4.35
Mtr.42808.1.S1_at	Myb-related transcription factor	4.35
Mtr.13338.1.S1_at	Hypothetical protein	4.35
Mtr.1356.1.S1_at	Hypothetical protein	4.34
Mtr.49421.1.S1_at	2OG-Fe(II) oxygenase	4.34
Mtr.38026.1.S1_at	Hypothetical protein	4.34
Mtr.43550.1.S1_at	Tyrosine aminotransferase	4.34
Mtr.48718.1.S1_at	Galactose-binding protein	4.34
Mtr.37208.1.S1_at	Hypothetical protein	4.34
Mtr.8633.1.S1_at	Hypothetical protein	4.34
Mtr.12430.1.S1_s_at	Mature anther-specific protein	4.33
Mtr.38197.1.S1_at	Hypothetical protein	4.33
Mtr.42600.1.S1_at	Hypothetical protein	4.33
Mtr.18476.1.S1_at	Hypothetical protein	4.33
Mtr.29063.1.S1_at	Hypothetical protein	4.33
Mtr.41435.1.S1_s_at	Hypothetical protein	4.33
Mtr.41945.1.S1_at	Hypothetical protein	4.32
Mtr.40076.1.S1_at	RNA Binding Protein	4.32
Mtr.7011.1.S1_at	Hypothetical protein	4.32
Mtr.27429.1.S1_at	Homocysteine S-methyltransferase 1	4.31
Mtr.11530.1.S1_at	Hypothetical protein	4.31
Mtr.23414.1.S1_at	Hypothetical protein	4.31
Mtr.18420.1.S1_at	Hypothetical protein	4.30
Mtr.42888.1.S1_s_at	Phi-1 protein	4.30
Mtr.35836.1.S1_at	Hypothetical protein	4.30
Mtr.12835.1.S1_at	Hypothetical protein	4.30
Mtr.44727.1.S1_at	Hypothetical protein	4.30
Msa.901.1.S1_a_at	Hypothetical protein	4.30
Mtr.13824.1.S1_at	Cyclic nucleotide-gated channel A	4.29
Mtr.40696.1.S1_at	Yeast pheromone receptor-like protein	4.29
Mtr.44596.1.S1_at	Hypothetical protein	4.29
Mtr.44341.1.S1_at	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1 precursor (B	4.28
Mtr.48884.1.S1_at	Hypothetical protein	4.27
Mtr.9442.1.S1_at	Hypothetical protein	4.27
Mtr.10732.1.S1_at	Hypothetical protein	4.27
Mtr.48306.1.S1_at	Hypothetical protein	4.27
Mtr.44417.1.S1_at	Probable disease resistance protein	4.27
Msa.1168.1.S1_at	Hypothetical protein	4.27
Mtr.31903.1.S1_at	Stellacyanin	4.27
Mtr.16145.1.S1_s_at	Protein kinase	4.27
Mtr.33855.1.S1_at	Alpha-N-acetylglucosaminidase	4.26
Mtr.39812.1.S1_s_at	Respiratory burst oxidase homolog	4.26
Mtr.42577.1.S1_s_at	Transcription factor WRKY31	4.26
Mtr.11768.1.S1_at	Hypothetical protein	4.26
Mtr.38808.1.S1_at	Class III peroxidase	4.26
Mtr.49473.1.S1_at	Carbamoyl-phosphate synthase L chain	4.26
Mtr.35294.1.S1_at	Protein kinase	4.26
Mtr.13033.1.S1_at	Hypothetical protein	4.26

Mtr.22599.1.S1_at	Histidine decarboxylase	4.25
Mtr.38358.1.S1_s_at	SINA1p	4.25
Mtr.27533.1.S1_s_at	Hypothetical protein	4.24
Mtr.9037.1.S1_at	Glycine-rich protein	4.24
Mtr.12551.1.S1_at	Monothiol glutaredoxin	4.24
Mtr.19308.1.S1_s_at	Cyclin-like F-box	4.23
Mtr.20704.1.S1_at	Nucleosome assembly protein	4.23
Mtr.40569.1.S1_at	Alpha-mannosidase	4.23
Mtr.45398.1.S1_at	Exo-1,3-beta-glucanase	4.23
Mtr.45783.1.S1_at	Short-chain dehydrogenase/reductase	4.23
Mtr.5723.1.S1_at	Hypothetical protein	4.23
Mtr.40272.1.S1_at	Nodulin-like protein	4.23
Mtr.40982.1.S1_at	Yippee-like protein	4.23
Mtr.45031.1.S1_at	Proteinase like protein	4.22
Mtr.24351.1.S1_s_at	Hypothetical protein	4.22
Mtr.50858.1.S1_s_at	Hypothetical protein	4.22
Mtr.32783.1.S1_at	Myosin	4.22
Mtr.40547.1.S1_at	bZIP transcription factor	4.22
Mtr.12916.1.S1_at	Hypothetical protein	4.22
Mtr.43257.1.S1_at	NAC-domain protein	4.22
Mtr.45583.1.S1_at	Hypothetical protein	4.22
Mtr.40615.1.S1_at	Phosphate transporter	4.21
Mtr.11749.1.S1_at	Hypothetical protein	4.21
Mtr.32999.1.S1_at	Hypothetical protein	4.21
Mtr.43908.1.S1_at	Suspensor-specific protein	4.21
Mtr.26369.1.S1_at	Hypothetical protein	4.21
Mtr.44843.1.S1_s_at	Hypothetical protein	4.20
Mtr.4053.1.S1_at	Protein kinase	4.20
Mtr.10424.1.S1_at	Ethylene responsive element binding factor	4.20
Mtr.9826.1.S1_at	Hypothetical protein	4.20
Mtr.40821.1.S1_at	Abscisic acid-activated protein kinase	4.20
Mtr.9407.1.S1_at	Hypothetical protein	4.19
Mtr.10388.1.S1_at	UDP-glucose 4-epimerase	4.19
Mtr.43116.1.S1_at	Hypothetical protein	4.19
Msa.1216.1.S1_at	Hypothetical protein	4.18
Mtr.9043.1.S1_at	LS1-like protein	4.18
Mtr.13028.1.S1_at	Hypothetical protein	4.18
Mtr.8508.1.S1_at	Pectinesterase	4.18
Mtr.40167.1.S1_s_at	Phenylalanine ammonia-lyase	4.18
Mtr.12208.1.S1_at	Pentameric polyubiquitin	4.18
Mtr.37280.1.S1_s_at	Calcium-dependent protein kinase	4.17
Mtr.12990.1.S1_at	Nucleolar histone deacetylase	4.17
Mtr.35141.1.S1_at	Receptor-like serine/threonine kinase	4.17
Mtr.14751.1.S1_at	Ribosome-binding factor	4.17
Mtr.2604.1.S1_x_at	Nodulin precursor	4.17
Mtr.27728.1.S1_s_at	Hypothetical protein	4.17
Mtr.45008.1.S1_at	Receptor protein kinase like protein	4.17
Mtr.21463.1.S1_at	Cys-rich domain protein	4.16
Mtr.49199.1.S1_at	Hypothetical protein	4.16
Mtr.4065.1.S1_at	Hypothetical protein	4.16
Mtr.6366.1.S1_at	Hypothetical protein	4.15
Mtr.11512.1.S1_at	Hypothetical protein	4.15
Mtr.32808.1.S1_at	Hypothetical protein	4.15
Mtr.9474.1.S1_at	MLO-like protein	4.15

Mtr.31327.1.S1_at	Protein kinase	4.14
Mtr.8994.1.S1_s_at	Hypothetical protein	4.14
Mtr.36944.1.S1_at	Hypothetical protein	4.14
Mtr.9291.1.S1_s_at	Hypothetical protein	4.13
Mtr.45278.1.S1_s_at	Hypothetical protein	4.13
Mtr.11485.1.S1_at	Imidazole glycerol phosphate synthase	4.13
Mtr.42387.1.S1_at	Hypothetical protein	4.13
Mtr.39873.1.S1_s_at	Myb-like protein	4.13
Msa.1306.1.S1_at	Hypothetical protein	4.12
Mtr.41196.1.S1_at	Hypothetical protein	4.12
Mtr.35204.1.S1_at	Glycine-rich protein	4.12
Mtr.32311.1.S1_at	Dynein light chain 1	4.12
Mtr.13329.1.S1_at	Hypothetical protein	4.12
Mtr.38757.1.S1_at	Myb-related transcription factor	4.12
Mtr.12293.1.S1_at	Receptor protein kinase PERK-like	4.12
Mtr.16505.1.S1_at	Aldehyde dehydrogenase	4.11
Mtr.8674.1.S1_at	Serine/threonine protein phosphatase	4.11
Mtr.43239.1.S1_at	Avr9 elicitor response protein	4.11
Mtr.39861.1.S1_at	Ethylene response factor ERF1	4.11
Msa.2974.1.S1_at	Hypothetical protein	4.11
Mtr.31491.1.S1_s_at	Cellulose synthase-like protein	4.11
Mtr.42911.1.S1_at	RING zinc finger protein	4.11
Mtr.7658.1.S1_at	Hypothetical protein	4.11
Mtr.42944.1.S1_x_at	Extensin class 1 protein	4.11
Msa.2736.1.S1_at	Hypothetical protein	4.11
Mtr.38956.1.S1_at	Hypothetical protein	4.10
Mtr.49055.1.S1_at	Hypothetical protein	4.10
Mtr.42340.1.S1_at	Importin alpha	4.10
Mtr.12229.1.S1_at	RING zinc finger protein	4.10
Mtr.14421.1.S1_at	Hypothetical protein	4.10
Mtr.6366.1.S1_s_at	Clathrin heavy chain	4.10
Mtr.42712.1.S1_at	Mitochondrial carrier-like protein	4.10
Mtr.38615.1.S1_at	Hypothetical protein	4.09
Mtr.1430.1.S1_at	Hypothetical protein	4.09
Mtr.6559.1.S1_at	Hypothetical protein	4.09
Mtr.11252.1.S1_s_at	Receptor kinase-like protein	4.09
Mtr.36943.1.S1_at	Hypothetical protein	4.08
Mtr.45088.1.S1_at	Vesicle transport v-SNARE 13	4.08
Mtr.4189.1.S1_s_at	Hypothetical protein	4.08
Mtr.49019.1.S1_at	Glycoside hydrolase	4.08
Mtr.24415.1.S1_s_at	Alpha-amylase	4.08
Mtr.21310.1.S1_at	Peptidase aspartic	4.07
Mtr.41557.1.S1_at	Hypothetical protein	4.07
Mtr.37633.1.S1_at	Allene oxide synthase	4.07
Mtr.9830.1.S1_at	Expansin	4.07
Mtr.31741.1.S1_at	WD repeat domain protein	4.07
Msa.3087.1.S1_at	Hypothetical protein	4.06
Mtr.34203.1.S1_at	UDP-glucuronosyltransferase	4.06
Mtr.38660.1.S1_at	Hypothetical protein	4.06
Mtr.36887.1.S1_at	Avr9/Cf-9 rapidly elicited protein	4.06
Mtr.34860.1.S1_s_at	Ubiquitin-protein ligase	4.05
Mtr.8471.1.S1_at	Transport protein subunit	4.05
Mtr.12559.1.S1_s_at	Glutathione S-transferase	4.05
Mtr.40406.1.S1_at	Hypothetical protein	4.05



Mtr.35926.1.S1_s_at	Hypothetical protein	4.05
Mtr.21812.1.S1_at	Hypothetical protein	4.04
Mtr.10766.1.S1_s_at	Amino acid permease	4.04
Mtr.10176.1.S1_at	Hypothetical protein	4.04
Mtr.42547.1.S1_s_at	Respiratory burst oxidase homolog	4.04
Mtr.1398.1.S1_s_at	Hypothetical protein	4.03
Mtr.44974.1.S1_at	Skp1p-like protein	4.03
Mtr.27935.1.S1_s_at	Transcription factor WRKY4	4.03
Mtr.19170.1.S1_at	Hypothetical protein	4.03
Mtr.29990.1.S1_at	MYB-related protein	4.03
Mtr.20316.1.S1_at	Purine/pyrimidine phosphoribosyl transferase	4.03
Mtr.13259.1.S1_at	Methylmalonate semi-aldehyde dehydrogenase	4.03
Mtr.22118.1.S1_s_at	5-enol-pyruvylshikimate-phosphate synthase	4.03
Mtr.8632.1.S1_s_at	Hypothetical protein	4.03
Mtr.38126.1.S1_at	Hypothetical protein	4.03
Msa.2671.1.S1_s_at	Hypothetical protein	4.03
Mtr.11232.1.S1_at	Serine/threonine protein kinase	4.03
Mtr.9106.1.S1_at	Hypothetical protein	4.02
Msa.2542.1.S1_at	Hypothetical protein	4.02
Mtr.39021.1.S1_at	AP2 domain transcription factor	4.02
Mtr.27354.1.S1_s_at	RPM1-interacting protein	4.01
Mtr.19347.1.S1_s_at	Hypothetical protein	4.01
Mtr.20265.1.S1_at	Hypothetical protein	4.01
Mtr.320.1.S1_at	12-oxophytodienoic acid 10, 11-reductase	4.01
Mtr.12449.1.S1_at	Hypothetical protein	4.00
Mtr.29264.1.S1_at	Isp4 like protein,	4.00
Mtr.4870.1.S1_s_at	Hypothetical protein	4.00
Mtr.14494.1.S1_at	Dihydroorotate dehydrogenase 1	4.00
Mtr.12609.1.S1_at	Acyl CoA oxidase	4.00
Mtr.18366.1.S1_at	Curculin-like (mannose-binding) lectin	3.99
Msa.1622.1.S1_at	Hypothetical protein	3.98
Mtr.35611.1.S1_at	Hypothetical protein	3.98
Mtr.40182.1.S1_at	Hypothetical protein	3.98
Mtr.38837.1.S1_s_at	Hypothetical protein	3.98
Mtr.7556.1.S1_at	AP2 domain containing protein	3.98
Mtr.9388.1.S1_at	WRKY transcription factor	3.98
Mtr.31455.1.S1_at	Hypothetical protein	3.97
Mtr.10773.1.S1_at	Wasl protein	3.97
Mtr.9041.1.S1_s_at	Hypothetical protein	3.97
Mtr.12455.1.S1_at	Hypothetical protein	3.97
Mtr.23965.1.S1_s_at	Wound-inducible protein	3.97
Mtr.37900.1.S1_at	Pantothenate kinase 1 (Pantothenic acid kinase 1)	3.97
Mtr.41525.1.S1_at	Hypothetical protein	3.97
Mtr.13594.1.S1_s_at	Lipase-like protein	3.96
Mtr.40005.1.S1_s_at	Hypothetical protein	3.96
Mtr.42525.1.S1_x_at	Hypothetical protein	3.96
Msa.1053.1.S1_at	Hypothetical protein	3.96
Mtr.6963.1.S1_at	Hypothetical protein	3.95
Mtr.46097.1.S1_at	Hypothetical protein	3.95
Mtr.23686.1.S1_at	DNA-directed RNA polymerase subunit	3.95
Mtr.32957.1.S1_at	Hypothetical protein	3.95
Mtr.50704.1.S1_s_at	Aldehyde dehydrogenase	3.95
Mtr.10325.1.S1_at	Chitinase	3.95
Mtr.19407.1.S1_at	Hypothetical protein	3.95

Mtr.15053.1.S1_at	Thaumatococcus	3.94
Mtr.20850.1.S1_at	Zn-finger, DHHC type	3.94
Mtr.11633.1.S1_at	Hypothetical protein	3.94
Mtr.16691.1.S1_at	Myb, DNA-binding protein	3.94
Mtr.29288.1.S1_x_at	Hypothetical protein	3.94
Mtr.13696.1.S1_at	Hypothetical protein	3.94
Mtr.7569.1.S1_at	Cytosolic fructose-1,6-bisphosphatase	3.94
Msa.1051.1.S1_at	Hypothetical protein	3.94
Mtr.4569.1.S1_at	Hypothetical protein	3.93
Mtr.9112.1.S1_at	Steroid 22-alpha-hydroxylase	3.93
Mtr.28237.1.S1_s_at	Agenet domain-containing protein	3.93
Mtr.35724.1.S1_at	Hypothetical protein	3.93
Msa.1075.1.S1_at	Hypothetical protein	3.93
Mtr.35925.1.S1_at	Hypothetical protein	3.93
Mtr.38129.1.S1_at	RNA-binding protein	3.93
Mtr.6906.1.S1_at	Acyl-activating enzyme	3.92
Mtr.3105.1.S1_at	PDR-type ABC transporter	3.92
Mtr.37020.1.S1_at	NADH-ubiquinone oxidoreductase subunit	3.92
Mtr.41259.1.S1_at	Ring finger E3 ligase	3.92
Mtr.51646.1.S1_at	Carbohydrate-binding, CenC-like protein	3.92
Mtr.46408.1.S1_at	Cytochrome P450	3.92
Msa.3043.1.S1_at	Hypothetical protein	3.91
Mtr.43512.1.S1_at	Hypothetical protein	3.91
Mtr.42782.1.S1_s_at	Hypothetical protein	3.91
Mtr.44169.1.S1_at	Spermatid-specific protein	3.90
Mtr.48644.1.S1_at	Hypothetical protein	3.90
Mtr.6797.1.S1_at	Hypothetical protein	3.90
Mtr.12397.1.S1_at	Cytochrome P450	3.89
Mtr.39871.1.S1_at	Hypothetical protein	3.89
Mtr.31600.1.S1_at	Hypothetical protein	3.89
Mtr.41814.1.S1_at	PRIB5 protein	3.89
Mtr.32948.1.S1_at	Hypothetical protein	3.89
Mtr.457.1.S1_s_at	Hypothetical protein	3.89
Mtr.10061.1.S1_at	Hypothetical protein	3.88
Mtr.36255.1.S1_at	Aquaporin-like transmembrane channel protein	3.88
Mtr.40178.1.S1_at	Hypothetical protein	3.88
Mtr.9139.1.S1_at	Hypothetical protein	3.88
Mtr.11543.1.S1_at	Gamma-glutamyl hydrolase	3.88
Mtr.6515.1.S1_at	Dihydrodipicolinate synthase	3.88
Mtr.11396.1.S1_at	Oxysterol-binding protein	3.88
Mtr.40876.1.S1_at	Hypothetical protein	3.88
Mtr.38871.1.S1_at	Hypothetical protein	3.88
Mtr.12425.1.S1_at	Mitogen-activated protein kinase MMK2	3.88
Mtr.10127.1.S1_at	Phospholipase-like protein	3.87
Mtr.21466.1.S1_at	Serine/threonine protein kinase	3.87
Mtr.18298.1.S1_at	Leucine-rich repeat	3.87
Mtr.1157.1.S1_s_at	Hypothetical protein	3.87
Mtr.13216.1.S1_at	Hypothetical protein	3.87
Mtr.46189.1.S1_s_at	Disease resistance protein	3.86
Mtr.38835.1.S1_at	Cytochrome C biosynthesis heme-carrier protein	3.86
Mtr.11968.1.S1_at	Alpha galactosidase	3.86
Mtr.43024.1.S1_at	6-phosphogluconate dehydrogenase	3.86
Mtr.14019.1.S1_at	LysM domain-containing receptor-like kinase	3.85
Mtr.22597.1.S1_s_at	Serine decarboxylase	3.85

Mtr.43455.1.S1_at	Hypothetical protein	3.85
Mtr.10389.1.S1_s_at	UDP-glucose 4-epimerase	3.85
Mtr.7429.1.S1_s_at	Hypothetical protein	3.85
Mtr.2424.1.S1_at	Nodulin-like protein	3.84
Mtr.39061.1.S1_at	Hypothetical protein	3.84
Mtr.5877.1.S1_at	Thioredoxin	3.84
Mtr.39061.1.S1_s_at	Hypothetical protein	3.84
Mtr.50547.1.S1_at	RHO protein GDP dissociation inhibitor	3.84
Mtr.20739.1.S1_s_at	Protein kinase	3.84
Msa.2600.1.S1_at	Hypothetical protein	3.84
Mtr.28325.1.S1_at	Branched-chain alpha-keto acid decarboxylase E1 beta subunit	3.84
Mtr.39422.1.S1_s_at	Hypothetical protein	3.83
Mtr.12664.1.S1_at	Hypothetical protein	3.83
Mtr.42955.1.S1_at	Cytochrome P450 76C4	3.83
Mtr.12402.1.S1_s_at	Beta-galactosidase	3.82
Mtr.43104.1.S1_at	1-aminocyclopropanecarboxylic acid oxidase	3.82
Mtr.8701.1.S1_at	Leucine rich repeat protein	3.82
Mtr.11018.1.S1_s_at	Hypothetical protein	3.82
Mtr.33274.1.S1_at	Hypothetical protein	3.82
Mtr.18069.1.S1_x_at	Disease resistance protein	3.81
Msa.1174.1.S1_at	Hypothetical protein	3.81
Mtr.17868.1.S1_at	Hypothetical protein	3.81
Mtr.42180.1.S1_s_at	Hypothetical protein	3.81
Mtr.44105.1.S1_at	Nucleolar RNA-binding Nop10p-like protein	3.81
Mtr.10806.1.S1_at	Hypothetical protein	3.81
Mtr.50038.1.S1_at	No apical meristem (NAM) protein	3.81
Mtr.13624.1.S1_at	Hypothetical protein	3.81
Mtr.33257.1.S1_s_at	Stromal membrane-associated protein	3.80
Mtr.35045.1.S1_s_at	Rab escort protein	3.80
Mtr.5717.1.S1_at	Receptor protein kinase	3.80
Mtr.20156.1.S1_s_at	Hypothetical protein	3.80
Msa.2746.1.S1_at	Hypothetical protein	3.80
Mtr.49088.1.S1_at	Rhodanese-like protein	3.79
Mtr.41349.1.S1_s_at	Hydrolase	3.79
Mtr.23865.1.S1_at	Putative disease resistance protein	3.79
Mtr.18642.1.S1_at	Hypothetical protein	3.79
Mtr.12210.1.S1_at	Acyl carrier protein	3.79
Mtr.8642.1.S1_at	Serine palmitoyltransferase	3.79
Mtr.21812.1.S1_s_at	Hypothetical protein	3.79
Mtr.17962.1.S1_at	DNA-binding WRKY	3.78
Mtr.47843.1.S1_at	Monosaccharide transporter	3.78
Mtr.27641.1.S1_at	Hypothetical protein	3.78
Mtr.26307.1.S1_at	GDSL-motif lipase/hydrolase protein	3.77
Mtr.51442.1.S1_at	Protein kinase	3.77
Mtr.40538.1.S1_at	Glutamate decarboxylase	3.77
Mtr.5966.1.S1_at	Class III peroxidase	3.77
Mtr.7323.1.S1_at	Hypothetical protein	3.76
Mtr.37312.1.S1_at	Heat shock protein 70-3	3.76
Msa.2767.1.S1_at	Hypothetical protein	3.76
Mtr.10581.1.S1_at	Hypothetical protein	3.76
Mtr.30738.1.S1_at	Uracil phosphoribosyltransferase	3.76
Mtr.27778.1.S1_at	Serine/threonine protein kinase	3.75
Mtr.9182.1.S1_at	Hypothetical protein	3.75
Mtr.13273.1.S1_at	TINY-like protein	3.75

Mtr.45463.1.S1_at	Xyloglucan endotransglucosylase/hydrolase protein	3.75
Mtr.47022.1.S1_s_at	Wound-inducible protein	3.75
Mtr.43073.1.S1_s_at	Poly(A)-binding protein C-terminal interacting protein	3.74
Mtr.44365.1.S1_s_at	Adenine-specific DNA modification methyltransferase	3.74
Mtr.19347.1.S1_at	Major intrinsic protein	3.74
Mtr.29288.1.S1_at	Hypothetical protein	3.74
Mtr.10514.1.S1_at	Acyl-activating enzyme	3.74
Mtr.33285.1.S1_at	Hypothetical protein	3.74
Mtr.33152.1.S1_at	Hypothetical protein	3.74
Mtr.49556.1.S1_at	RNA polymerase	3.74
Mtr.30654.1.S1_at	Hypothetical protein	3.73
Mtr.37655.1.S1_at	Nucleolar histone deacetylase	3.73
Mtr.43192.1.S1_at	Mature anther-specific protein	3.73
Mtr.44922.1.S1_at	Glycine-rich protein	3.73
Mtr.14729.1.S1_at	RNA-processing protein	3.73
Mtr.37225.1.S1_at	Adenine nucleotide translocator	3.73
Mtr.40099.1.S1_at	Hypothetical protein	3.72
Mtr.42149.1.S1_at	Hypothetical protein	3.72
Mtr.10779.1.S1_at	Chalcone-flavonone isomerase	3.72
Mtr.45140.1.S1_at	ABI3 family regulatory protein	3.72
Mtr.40144.1.S1_at	Glutamate-rich protein	3.72
Mtr.35913.1.S1_at	Integral membrane protein	3.72
Msa.1472.1.S1_at	Hypothetical protein	3.71
Mtr.5571.1.S1_s_at	Hypothetical protein	3.71
Mtr.39083.1.S1_at	Proliferating-cell nucleolar protein	3.71
Mtr.40058.1.S1_x_at	Nodulin	3.71
Mtr.42944.1.S1_a_at	Extensin class 1 protein	3.70
Mtr.7448.1.S1_s_at	Hypothetical protein	3.70
Mtr.33339.1.S1_at	Hypothetical protein	3.70
Mtr.45117.1.S1_at	Guanylate kinase	3.70
Mtr.43355.1.S1_at	Hypothetical protein	3.70
Mtr.32291.1.S1_at	GTP cyclohydrolase II	3.70
Mtr.33361.1.S1_at	Hypothetical protein	3.70
Msa.1942.1.S1_at	Hypothetical protein	3.69
Mtr.6979.1.S1_s_at	Glyceraldehyde-3-phosphate dehydrogenase	3.69
Mtr.40977.1.S1_at	Hypothetical protein	3.69
Mtr.9523.1.S1_at	Hypothetical protein	3.69
Mtr.39540.1.S1_at	ABC transporter	3.69
Mtr.12378.1.S1_at	Serine/threonine-protein kinase	3.69
Mtr.35813.1.S1_at	Hypothetical protein	3.68
Mtr.50388.1.S1_at	TPR repeat protein	3.68
Mtr.41051.1.S1_at	Hypothetical protein	3.68
Mtr.2254.1.S1_at	Hypothetical protein	3.68
Mtr.10338.1.S1_s_at	Hypothetical protein	3.68
Mtr.16703.1.S1_at	Disease resistance protein	3.67
Mtr.9399.1.S1_at	CDPK-related protein kinase	3.67
Mtr.10728.1.S1_at	Hypothetical protein	3.67
Mtr.8658.1.S1_at	Dehydroquinate synthase	3.67
Mtr.12698.1.S1_at	Hypothetical protein	3.67
Mtr.42147.1.S1_at	Intracellular pathogenesis related protein	3.67
Mtr.12597.1.S1_at	TIR-NBS-LRR type R protein	3.67
Mtr.41733.1.S1_at	Hypothetical protein	3.66
Mtr.44772.1.S1_at	Probable elongation factor G	3.66
Mtr.50050.1.S1_at	Isopenicillin N synthetase	3.66

Mtr.45354.1.S1_at	Whitefly-induced gp91-phox	3.66
Mtr.3871.1.S1_at	CCAAT-box-binding transcription factor-like protein	3.66
Mtr.31548.1.S1_at	Metacaspase	3.66
Mtr.37495.1.S1_at	SCOF-1	3.66
Mtr.10565.1.S1_at	Hypothetical protein	3.66
Mtr.18344.1.S1_at	Protein kinase	3.65
Mtr.37260.1.S1_at	Agenet domain-containing protein	3.65
Msa.2783.1.S1_at	Hypothetical protein	3.64
Mtr.50583.1.S1_at	Glycoside hydrolase	3.64
Mtr.45507.1.S1_at	Hypothetical protein	3.64
Mtr.1676.1.S1_at	Hypothetical protein	3.64
Msa.2622.1.S1_at	Hypothetical protein	3.64
Mtr.43169.1.S1_at	Hypothetical protein	3.64
Mtr.23261.1.S1_at	Hypothetical protein	3.63
Mtr.37972.1.S1_at	Hypothetical protein	3.63
Mtr.41809.1.S1_s_at	Non-phototropic hypocotyl protein	3.63
Mtr.37928.1.S1_at	Thiamine pyrophosphokinase	3.63
Mtr.8933.1.S1_at	1,2-dioxygenase	3.63
Mtr.41172.1.S1_s_at	Hypothetical protein	3.62
Mtr.13267.1.S1_at	Hypothetical protein	3.62
Mtr.10621.1.S1_at	Hypothetical protein	3.62
Mtr.13077.1.S1_at	Hypothetical protein	3.62
Mtr.14663.1.S1_at	Major intrinsic protein	3.62
Mtr.9656.1.S1_at	Response regulator protein	3.62
Mtr.44555.1.S1_at	Amino acid permease-like protein	3.62
Mtr.23049.1.S1_at	Hypothetical protein	3.62
Mtr.50422.1.S1_at	Hypothetical protein	3.62
Mtr.29715.1.S1_at	Hypothetical protein	3.62
Mtr.22662.1.S1_at	NADP-dependent malic enzyme	3.62
Mtr.320.1.S1_x_at	12-oxophytodienoic acid 10, 11-reductase	3.62
Mtr.11114.1.S1_at	Hypothetical protein	3.62
Mtr.33096.1.S1_at	Heterogeneous nuclear ribonucleoprotein A2/B1-like protein	3.62
Mtr.14627.1.S1_at	Hypothetical protein	3.61
Mtr.34632.1.S1_s_at	Seven transmembrane helix receptor	3.61
Mtr.35440.1.S1_at	Hypothetical protein	3.61
Mtr.31454.1.S1_s_at	Hypothetical protein	3.61
Mtr.3533.1.S1_at	Hypothetical protein	3.61
Mtr.51889.1.S1_s_at	Peptidase	3.61
Mtr.18402.1.S1_at	Hypothetical protein	3.61
Mtr.43658.1.S1_at	Hypothetical protein	3.61
Mtr.41781.1.S1_at	Cell cycle serine/threonine-protein kinase	3.60
Mtr.35741.1.S1_at	Hypothetical protein	3.60
Mtr.4934.1.S1_s_at	Hypothetical protein	3.60
Mtr.35008.1.S1_at	RNA polymerase	3.60
Mtr.9697.1.S1_at	Hypothetical protein	3.60
Mtr.39049.1.S1_at	WD40-repeat protein	3.60
Mtr.13010.1.S1_at	Xyloglucan endotransglucosylase/hydrolase protein	3.59
Mtr.11175.1.S1_at	Hypothetical protein	3.59
Mtr.36256.1.S1_at	Hypothetical protein	3.59
Mtr.24415.1.S1_at	Alpha-amylase	3.59
Mtr.46918.1.S1_at	Hypothetical protein	3.59
Mtr.4379.1.S1_at	Hypothetical protein	3.59
Mtr.45568.1.S1_at	Phosphate transporter	3.59
Mtr.44462.1.S1_at	Heat shock protein	3.59

Mtr.20117.1.S1_s_at	Peptidyl-prolyl cis-trans isomerase	3.59
Mtr.8589.1.S1_at	Cinnamyl-alcohol dehydrogenase (CAD)	3.58
Mtr.51829.1.S1_at	Response regulator receiver	3.58
Mtr.31755.1.S1_at	Diacylglycerol kinase	3.58
Mtr.36311.1.S1_at	Hypothetical protein	3.58
Mtr.31337.1.S1_at	Serine/threonine kinase	3.58
Mtr.38691.1.S1_s_at	Hypothetical protein	3.58
Mtr.7950.1.S1_at	Receptor protein kinase	3.58
Mtr.15228.1.S1_s_at	Pre-mRNA processing ribonucleoprotein	3.58
Mtr.33544.1.S1_at	Beta-galactosidase	3.58
Mtr.42855.1.S1_s_at	Plastidic ATP/ADP transporter	3.58
Mtr.38362.1.S1_at	Anthranilate N-benzoyltransferase-like protein	3.58
Mtr.25254.1.S1_at	DnaJ-like protein	3.58
Mtr.33133.1.S1_at	IRE homolog; protein kinase-like protein	3.58
Mtr.267.1.S1_at	Hypothetical protein	3.58
Mtr.33601.1.S1_s_at	Nodulin26-like major intrinsic protein	3.57
Mtr.23284.1.S1_at	Calcium-binding EF-hand family protein	3.57
Mtr.8606.1.S1_at	O-methyltransferase	3.57
Mtr.37994.1.S1_at	Protein kinase	3.56
Mtr.42023.1.S1_at	Lipase	3.56
Mtr.41029.1.S1_s_at	Ankyrin repeat-containing protein	3.56
Mtr.41703.1.S1_at	Lipoxygenase	3.55
Mtr.32533.1.S1_s_at	Hypothetical protein	3.55
Mtr.49896.1.S1_at	Hypothetical protein	3.55
Mtr.40241.1.S1_at	Cinnamoyl-CoA reductase	3.55
Mtr.46756.1.S1_s_at	Hypothetical protein	3.55
Mtr.32998.1.S1_s_at	Hypothetical protein	3.55
Mtr.7754.1.S1_s_at	Vestitone reductase	3.55
Mtr.11202.1.S1_s_at	Hypothetical protein	3.55
Mtr.12684.1.S1_at	Hypothetical protein	3.54
Mtr.32531.1.S1_s_at	Hypothetical protein	3.54
Mtr.4454.1.S1_at	Hypothetical protein	3.54
Mtr.9950.1.S1_at	Hypothetical protein	3.54
Mtr.35093.1.S1_at	Hypothetical protein	3.54
Mtr.5263.1.S1_at	Hypothetical protein	3.54
Mtr.11200.1.S1_at	Zinc finger protein	3.54
Mtr.13938.1.S1_at	Mei2-like protein	3.54
Mtr.6484.1.S1_at	Phosphate transporter	3.54
Mtr.47490.1.S1_s_at	Cytochrome P450 71D9	3.54
Mtr.9792.1.S1_at	Phage-type RNA polymerase	3.54
Mtr.9002.1.S1_at	1-aminocyclopropane-1-carboxylic acid oxidase	3.54
Mtr.4815.1.S1_at	Hypothetical protein	3.54
Mtr.30502.1.S1_at	Hypothetical protein	3.54
Mtr.18525.1.S1_at	Pyridoxal-dependent decarboxylase	3.53
Mtr.38894.1.S1_s_at	Hypothetical protein	3.53
Mtr.42610.1.S1_at	Acyl-activating enzyme	3.53
Mtr.9525.1.S1_at	Hypothetical protein	3.53
Mtr.33223.1.S1_x_at	Anionic Peroxidase	3.53
Mtr.46966.1.S1_s_at	Wound-induced GSK-3-like protein	3.53
Mtr.44444.1.S1_at	MADS box interactor-like protein	3.52
Mtr.3066.1.S1_s_at	Hypothetical protein	3.52
Msa.2535.1.S1_at	Hypothetical protein	3.52
Mtr.45145.1.S1_s_at	Lipase class 3-like	3.52
Mtr.16393.1.S1_at	Hypothetical protein	3.52

Mtr.28948.1.S1_at	Hypothetical protein	3.52
Mtr.28840.1.S1_at	Hypothetical protein	3.52
Mtr.41270.1.S1_at	Beta-adaptin-like protein A	3.52
Mtr.40735.1.S1_at	Hypothetical protein	3.52
Mtr.45225.1.S1_at	Ankyrin-like protein	3.52
Msa.1474.1.S1_at	Hypothetical protein	3.52
Msa.2952.1.S1_at	Hypothetical protein	3.51
Mtr.40307.1.S1_at	Citrate synthase	3.51
Mtr.13389.1.S1_at	Receptor protein kinase	3.51
Mtr.8444.1.S1_s_at	Hypothetical protein	3.51
Mtr.46539.1.S1_at	bZIP DNA-binding protein	3.51
Mtr.692.1.S1_at	Hypothetical protein	3.51
Mtr.32061.1.S1_at	Hypothetical protein	3.51
Mtr.41853.1.S1_at	Zinc finger, C3HC4 type protein	3.51
Mtr.10147.1.S1_at	Auxin-induced SAUR-like protein	3.50
Mtr.2533.1.S1_at	Hypothetical protein	3.50
Mtr.9055.1.S1_at	Branched-chain alpha-keto acid decarboxylase E1 beta subunit	3.50
Mtr.28090.1.S1_at	Hypothetical protein	3.50
Mtr.44992.1.S1_s_at	Serine/threonine protein kinase	3.50
Mtr.45647.1.S1_at	Amidase	3.50
Mtr.12962.1.S1_at	Rho GDP dissociation inhibitor 2	3.50
Mtr.37677.1.S1_s_at	Hypothetical protein	3.50
Mtr.44887.1.S1_at	Hypothetical protein	3.50
Mtr.21028.1.S1_at	Hypothetical protein	3.50
Mtr.31290.1.S1_at	NHL repeat-containing protein	3.50
Mtr.50930.1.S1_at	Helix-loop-helix DNA-binding protein	3.50
Mtr.44211.1.S1_at	Hypothetical protein	3.49
Mtr.38258.1.S1_at	Peroxisomal acetoacetyl-coenzyme A thiolase	3.49
Mtr.36196.1.S1_s_at	Lipase-like protein	3.49
Mtr.34124.1.S1_at	ARF GAP-like zinc finger-containing protein	3.49
Mtr.1526.1.S1_at	Hypothetical protein	3.49
Mtr.47932.1.S1_at	Xylulose kinase	3.48
Mtr.10342.1.S1_at	Xyloglucan endotransglucosylase/hydrolase protein	3.48
Mtr.43390.1.S1_at	Hypothetical protein	3.48
Mtr.44614.1.S1_at	Hypothetical protein	3.48
Mtr.44647.1.S1_at	DNA/RNA binding protein	3.47
Mtr.428.1.S1_s_at	Leucine rich repeat protein family	3.47
Mtr.13769.1.S1_at	Exonuclease-like protein	3.47
Mtr.30741.1.S1_at	Allantoin permease	3.46
Msa.1220.1.S1_at	Hypothetical protein	3.46
Msa.3071.1.S1_at	Hypothetical protein	3.46
Mtr.23415.1.S1_at	Hypothetical protein	3.46
Mtr.12342.1.S1_at	bHLH transcription factor	3.46
Mtr.37612.1.S1_at	Hypothetical protein	3.46
Mtr.33353.1.S1_at	Microtubule-associated protein	3.46
Mtr.39204.1.S1_at	Hypothetical protein	3.45
Mtr.9031.1.S1_at	Nucellin-like aspartic protease	3.45
Mtr.38626.1.S1_at	Fumarate hydratase	3.45
Msa.1176.1.S1_at	Hypothetical protein	3.45
Mtr.3889.1.S1_at	Hypothetical protein	3.45
Mtr.7267.1.S1_at	Hypothetical protein	3.45
Mtr.8704.1.S1_at	Hypothetical protein	3.45
Mtr.49932.1.S1_at	Ankyrin protein	3.44
Mtr.45496.1.S1_at	Profilin	3.44

Mtr.41441.1.S1_at	Hypothetical protein	3.44
Mtr.10725.1.S1_at	Basic blue copper protein	3.44
Mtr.6886.1.S1_at	Hypothetical protein	3.44
Mtr.1233.1.S1_at	KAP-2	3.44
Mtr.18695.1.S1_at	Hypothetical protein	3.44
Mtr.37771.1.S1_at	Ser/Thr protein kinase	3.44
Mtr.42269.1.S1_at	Transcription factor (E2F)	3.44
Mtr.51028.1.S1_at	Aspartate/glutamate/uridylylate kinase	3.44
Mtr.38070.1.S1_at	Hypothetical protein	3.44
Mtr.49905.1.S1_at	Hypothetical protein	3.43
Mtr.32218.1.S1_s_at	Hypothetical protein	3.43
Mtr.24467.1.S1_s_at	Hypothetical protein	3.43
Mtr.37913.1.S1_at	Acyl-CoA oxidase	3.43
Mtr.5083.1.S1_at	Hypothetical protein	3.43
Mtr.15650.1.S1_s_at	Adenylate kinase	3.43
Mtr.39683.1.S1_at	Hypothetical protein	3.43
Mtr.41760.1.S1_at	Calcium-dependent protein kinase	3.43
Mtr.10536.1.S1_at	Omega-3 fatty acid desaturase	3.42
Mtr.13482.1.S1_at	Ceramide kinase	3.42
Mtr.13565.1.S1_at	Hypothetical protein	3.42
Mtr.34768.1.S1_at	Hypothetical protein	3.42
Mtr.43957.1.S1_s_at	Peroxisomal copper-containing amine oxidase	3.42
Mtr.27800.1.S1_s_at	Synptobrevin-related protein	3.42
Mtr.17544.1.S1_at	Hypothetical protein	3.41
Mtr.17714.1.S1_at	Pentatricopeptide repeat protein	3.41
Mtr.36788.1.S1_at	Hypothetical protein	3.41
Mtr.47465.1.S1_at	Nitrate transporter	3.41
Mtr.41373.1.S1_at	Phi-1-like protein	3.41
Mtr.2735.1.S1_at	Hypothetical protein	3.40
Mtr.7227.1.S1_at	Hypothetical protein	3.40
Mtr.16634.1.S1_s_at	Hypothetical protein	3.40
Mtr.50478.1.S1_at	Phenylalanine/histidine ammonia-lyase	3.40
Mtr.11076.1.S1_at	Hypothetical protein	3.40
Mtr.48868.1.S1_at	Phosphofructokinase	3.40
Mtr.40131.1.S1_at	Peroxidase	3.40
Mtr.42359.1.S1_at	Hypothetical protein	3.40
Mtr.45896.1.S1_at	Translation initiation factor	3.40
Mtr.10349.1.S1_s_at	Hypothetical protein	3.40
Msa.969.1.S1_at	Hypothetical protein	3.39
Mtr.4041.1.S1_at	Nucleic acid binding protein	3.39
Mtr.39314.1.S1_at	Hypothetical protein	3.39
Mtr.38570.1.S1_at	YGL010w-like protein	3.39
Mtr.13667.1.S1_at	Hypothetical protein	3.39
Mtr.10240.1.S1_at	Hypothetical protein	3.39
Mtr.40592.1.S1_at	Ferredoxin III	3.39
Mtr.5343.1.S1_s_at	Type-A response regulator	3.39
Mtr.48412.1.S1_s_at	Beta-galactosidase	3.39
Mtr.10224.1.S1_at	MYB-like DNA-binding domain protein	3.39
Mtr.28849.1.S1_at	Amidase-like protein	3.38
Mtr.49094.1.S1_at	Peptidase aspartic	3.38
Mtr.48411.1.S1_s_at	Beta-galactosidase	3.38
Mtr.43608.1.S1_at	rRNA processing protein	3.38
Mtr.20288.1.S1_at	Transcriptional factor B3	3.38
Mtr.38966.1.S1_at	Ser/Thr kinase	3.38



Mtr.42391.1.S1_at	Hypothetical protein	3.38
Mtr.648.1.S1_at	Peptide transporter	3.38
Mtr.12830.1.S1_at	Hypothetical protein	3.38
Mtr.38304.1.S1_at	Hypothetical protein	3.38
Mtr.35791.1.S1_s_at	Light-induced protein	3.38
Mtr.13806.1.S1_at	Hypothetical protein	3.38
Mtr.45833.1.S1_s_at	Hypothetical protein	3.38
Mtr.47703.1.S1_at	Hypothetical protein	3.38
Mtr.11878.1.S1_at	Receptor protein kinase	3.38
Mtr.45297.1.S1_at	Hypothetical protein	3.37
Mtr.32889.1.S1_at	Hypothetical protein	3.37
Mtr.45545.1.S1_at	Hypothetical protein	3.37
Mtr.40801.1.S1_at	Hypothetical protein	3.37
Mtr.37280.1.S1_at	Calcium-dependent protein kinase	3.37
Mtr.30161.1.S1_s_at	Basic/leucine zipper protein	3.37
Mtr.10542.1.S1_at	Hypothetical protein	3.37
Mtr.28411.1.S1_s_at	Hypothetical protein	3.37
Mtr.16216.1.S1_at	Serine/threonine protein kinase	3.37
Mtr.41875.1.S1_at	Receptor protein kinase	3.37
Mtr.33279.1.S1_at	Aux/IAA	3.37
Mtr.2238.1.S1_s_at	Repetitive proline-rich cell wall protein	3.36
Mtr.44661.1.S1_at	Hypothetical protein	3.36
Mtr.39602.1.S1_at	Receptor protein kinase	3.36
Mtr.42760.1.S1_at	Hypothetical protein	3.36
Mtr.30257.1.S1_at	Hypothetical protein	3.36
Mtr.9028.1.S1_at	Hypothetical protein	3.36
Mtr.12920.1.S1_s_at	MAP kinase-like protein	3.36
Mtr.21815.1.S1_at	2OG-Fe(II) oxygenase	3.36
Mtr.2218.1.S1_at	Ubiquitin-protein ligase	3.36
Mtr.11557.1.S1_at	Hypothetical protein	3.36
Mtr.50292.1.S1_at	Hypothetical protein	3.36
Mtr.45259.1.S1_at	LEM3-like protein	3.36
Mtr.43597.1.S1_at	Hypothetical protein	3.35
Mtr.32122.1.S1_at	Cellulose synthase-like protein	3.35
Mtr.39259.1.S1_at	Hypothetical protein	3.35
Msa.1908.1.S1_at	Hypothetical protein	3.35
Mtr.14930.1.S1_at	Hypothetical protein	3.35
Mtr.47863.1.S1_s_at	Transcription factor WRKY10	3.35
Mtr.2249.1.S1_at	Hypothetical protein	3.35
Mtr.30756.1.S1_s_at	Hypothetical protein	3.35
Mtr.4322.1.S1_at	Cytochrome oxidase subunit III	3.35
Mtr.38935.1.S1_at	Myo-inositol transporter 1	3.35
Mtr.38752.1.S1_at	Geranyl diphosphate synthase small subunit	3.35
Mtr.5770.1.S1_at	Endo-1,3-beta-glucanase	3.34
Mtr.29332.1.S1_s_at	Hypothetical protein	3.34
Mtr.44448.1.S1_at	Poly(A)-binding protein	3.34
Mtr.51701.1.S1_s_at	Cyclin-like F-box protein	3.34
Mtr.39520.1.S1_at	Hypothetical protein	3.34
Mtr.19212.1.S1_at	Hypothetical protein	3.34
Mtr.39646.1.S1_at	Receptor-like protein kinase	3.34
Mtr.20124.1.S1_at	Serine/threonine protein kinase	3.34
Mtr.17399.1.S1_at	Peptidylprolyl isomerase, FKBP-type	3.34
Mtr.40132.1.S1_at	Peroxidase I	3.34
Mtr.21871.1.S1_at	Hypothetical protein	3.34

Mtr.34899.1.S1_at	Hexose carrier protein	3.34
Mtr.50207.1.S1_s_at	Hypothetical protein	3.33
Mtr.13244.1.S1_at	Hypothetical protein	3.33
Mtr.50554.1.S1_at	Hypothetical protein	3.33
Mtr.10425.1.S1_at	Ethylene responsive element binding factor	3.33
Mtr.34874.1.S1_s_at	Dolichyl-phosphate beta-glucosyltransferase	3.33
Mtr.37773.1.S1_at	GDSL-motif lipase/hydrolase-like protein	3.33
Mtr.10867.1.S1_at	Expansin-like protein	3.33
Mtr.10633.1.S1_at	Hypothetical protein	3.32
Mtr.9389.1.S1_at	DNA-binding protein RAV1	3.32
Mtr.27919.1.S1_at	Hypothetical protein	3.32
Mtr.49246.1.S1_at	Zn-finger, MYND type	3.32
Mtr.17691.1.S1_at	Transcriptional factor	3.32
Mtr.29056.1.S1_at	Hypothetical protein	3.32
Mtr.42872.1.S1_at	Hypothetical protein	3.32
Msa.3067.1.S1_at	Hypothetical protein	3.32
Mtr.13557.1.S1_at	Ethylene receptor homolog	3.32
Mtr.17704.1.S1_s_at	Hypothetical protein	3.32
Mtr.13913.1.S1_at	Phytochelatin synthetase-like protein	3.32
Mtr.19330.1.S1_at	Peptidase A1	3.32
Mtr.7084.1.S1_at	Asparagine synthase	3.31
Mtr.33541.1.S1_x_at	Asparagine synthase	3.31
Mtr.7575.1.S1_at	Hypothetical protein	3.31
Mtr.12111.1.S1_s_at	Enhancer of split complex m3 protein	3.31
Mtr.36964.1.S1_at	Hypothetical protein	3.31
Mtr.47588.1.S1_x_at	Hypothetical protein	3.31
Mtr.5072.1.S1_s_at	Hypothetical protein	3.31
Msa.2711.1.S1_at	Hypothetical protein	3.31
Mtr.8944.1.S1_at	Chorismate mutase	3.31
Mtr.16956.1.S1_at	O-methyltransferase	3.31
Mtr.9744.1.S1_at	Hypothetical protein	3.31
Mtr.38709.1.S1_at	Hypothetical protein	3.31
Mtr.14280.1.S1_at	Thioredoxin-related protein	3.30
Mtr.42544.1.S1_at	Nodulin-like protein	3.30
Mtr.5760.1.S1_at	Hypothetical protein	3.30
Mtr.40961.1.S1_at	Hypothetical protein	3.30
Mtr.37730.1.S1_at	Golgi SNARE 11 protein	3.30
Mtr.26632.1.S1_at	Hypothetical protein	3.30
Mtr.17625.1.S1_at	Zn-finger, RING	3.30
Mtr.35346.1.S1_at	Hypothetical protein	3.29
Mtr.40110.1.S1_at	Ribosomal protein S27	3.29
Mtr.13009.1.S1_s_at	Hypothetical protein	3.29
Mtr.39867.1.S1_at	Hypothetical protein	3.29
Mtr.12817.1.S1_at	Hypothetical protein	3.29
Mtr.41306.1.S1_s_at	Hypothetical protein	3.29
Mtr.33563.1.S1_at	Hypothetical protein	3.28
Mtr.43198.1.S1_at	RNA helicase	3.28
Mtr.9362.1.S1_at	Hypothetical protein	3.28
Mtr.15849.1.S1_at	Glycine-rich RNA binding protein	3.28
Mtr.43483.1.S1_at	Hypothetical protein	3.28
Mtr.28563.1.S1_at	Hypothetical protein	3.28
Mtr.15535.1.S1_at	Serine/threonine protein kinase	3.28
Mtr.16912.1.S1_at	WD-40 repeat protein	3.28
Mtr.50185.1.S1_at	Hypothetical protein	3.28

Mtr.43667.1.S1_at	GAST1 protein homolog	3.28
Mtr.39750.1.S1_at	Hypothetical protein	3.28
Mtr.5980.1.S1_at	Hypothetical protein	3.28
Mtr.12771.1.S1_at	Pti 1 kinase-like protein	3.28
Mtr.10027.1.S1_at	Hypothetical protein	3.27
Mtr.11991.1.S1_at	Strubbelig receptor family	3.27
Mtr.39440.1.S1_at	Serine/threonine kinase	3.27
Mtr.40050.1.S1_at	Rab escort protein	3.27
Mtr.8259.1.S1_at	Hypothetical protein	3.27
Mtr.18898.1.S1_at	WD-40 repeat	3.27
Mtr.32032.1.S1_at	Extensin-like protein	3.27
Mtr.51599.1.S1_s_at	Serine/threonine protein kinase	3.27
Mtr.51695.1.S1_at	Hypothetical protein	3.27
Mtr.39020.1.S1_at	Ethylene receptor homolog	3.27
Mtr.2685.1.S1_at	Hypothetical protein	3.27
Mtr.21241.1.S1_at	Ribosomal protein L15e	3.27
Mtr.32820.1.S1_s_at	Glucan 1,3-beta-glucosidase	3.27
Mtr.19752.1.S1_at	Hypothetical protein	3.26
Mtr.34834.1.S1_at	Serine/threonine protein kinase	3.26
Mtr.38725.1.S1_s_at	CDPK adapter protein	3.26
Mtr.11064.1.S1_at	DNA-directed RNA polymerase	3.26
Mtr.1174.1.S1_at	Hypothetical protein	3.26
Mtr.43436.1.S1_at	Pantothenate kinase 1	3.26
Mtr.44964.1.S1_at	Hypothetical protein	3.26
Msa.591.1.S1_at	Hypothetical protein	3.26
Mtr.40320.1.S1_at	Hypothetical protein	3.26
Mtr.15443.1.S1_at	Hypothetical protein	3.26
Mtr.41656.1.S1_at	Hypothetical protein	3.26
Mtr.49556.1.S1_s_at	RNA polymerase Rpb1	3.26
Mtr.16204.1.S1_at	Hypothetical protein	3.26
Mtr.43171.1.S1_at	Transcription factor WRKY4	3.25
Mtr.42452.1.S1_at	Hypothetical protein	3.25
Mtr.42375.1.S1_at	Hypothetical protein	3.25
Mtr.13714.1.S1_at	Auxin-induced protein	3.25
Mtr.12959.1.S1_s_at	Auxin response factor	3.25
Mtr.34929.1.S1_at	Zinc finger protein CONSTANS-LIKE	3.25
Mtr.25598.1.S1_at	Delta24-sterol-C-methyltransferase	3.25
Mtr.7519.1.S1_at	IFA-binding protein-like	3.25
Mtr.5080.1.S1_s_at	Extensin (Class I)	3.25
Mtr.377.1.S1_s_at	Hypothetical protein	3.25
Mtr.36790.1.S1_at	Aconitate hydratase	3.25
Mtr.41977.1.S1_at	Hypothetical protein	3.25
Mtr.44989.1.S1_at	Nucleosome assembly protein	3.25
Mtr.39546.1.S1_at	Hypothetical protein	3.25
Mtr.41497.1.S1_at	ARIADNE-like protein	3.24
Mtr.20117.1.S1_at	Peptidyl-prolyl cis-trans isomerase, cyclophilin type	3.24
Mtr.38368.1.S1_at	Hypothetical protein	3.24
Mtr.1871.1.S1_at	Maturase K	3.24
Mtr.50044.1.S1_at	Thioredoxin-related protein	3.23
Mtr.9994.1.S1_at	Hypothetical protein	3.23
Mtr.24721.1.S1_at	Heat shock transcription factor	3.23
Mtr.40786.1.S1_at	40S ribosomal protein S25-1	3.23
Msa.690.1.S1_at	Hypothetical protein	3.23
Mtr.10478.1.S1_at	Cytoplasmic ribosomal protein S15a	3.23

Mtr.43020.1.S1_at	Fructokinase	3.23
Mtr.10164.1.S1_at	Adenylate kinase	3.23
Mtr.51785.1.S1_at	Hypothetical protein	3.23
Mtr.9221.1.S1_at	Salicylic acid glucosyltransferase	3.23
Mtr.37244.1.S1_at	Hypothetical protein	3.22
Mtr.22264.1.S1_at	Phosphoenolpyruvate/phosphate translocator	3.22
Mtr.5578.1.S1_at	Receptor protein kinase	3.22
Mtr.28125.1.S1_s_at	Early nodulin GRP3	3.22
Mtr.11333.1.S1_at	Oxidase-like protein	3.22
Mtr.17858.1.S1_at	Hypothetical protein	3.22
Mtr.24441.1.S1_s_at	Hypothetical protein	3.22
Mtr.13621.1.S1_s_at	Multidrug-resistance related protein	3.21
Mtr.12656.1.S1_at	NADPH:quinone oxidoreductase	3.21
Mtr.9098.1.S1_at	CREG2-protein-like	3.21
Mtr.691.1.S1_at	Hypothetical protein	3.21
Mtr.14439.1.S1_at	Hypothetical protein	3.21
Mtr.8914.1.S1_s_at	SER/THR PROTEIN PHOSPHATASE PP2C HOMOLOG	3.21
Mtr.50247.1.S1_at	Sugar transporter	3.21
Mtr.14934.1.S1_s_at	Gly rich structural protein	3.21
Mtr.46455.1.S1_at	Hypothetical protein	3.21
Mtr.40773.1.S1_at	Hypothetical protein	3.21
Mtr.12514.1.S1_at	NAM-like protein	3.21
Mtr.2071.1.S1_at	Hypothetical protein	3.21
Mtr.39950.1.S1_at	Hypothetical protein	3.20
Mtr.37584.1.S1_at	Hypothetical protein	3.20
Mtr.15716.1.S1_at	WD40	3.20
Mtr.9984.1.S1_at	Acyl-activating enzyme	3.20
Mtr.174.1.S1_at	Response regulator protein	3.20
Mtr.41281.1.S1_s_at	Hypothetical protein	3.20
Mtr.42058.1.S1_s_at	Hypothetical protein	3.20
Mtr.45221.1.S1_at	Hypothetical protein	3.20
Mtr.5567.1.S1_at	Hypothetical protein	3.20
Mtr.41934.1.S1_at	Pupal cuticle protein	3.19
Mtr.4597.1.S1_at	Hypothetical protein	3.19
Mtr.8783.1.S1_at	RNA helicase	3.19
Mtr.44464.1.S1_at	Elongation factor G	3.19
Msa.1311.1.S1_at	Hypothetical protein	3.19
Mtr.42889.1.S1_s_at	Elongation factor EF-2	3.18
Mtr.50746.1.S1_at	Staphylococcus nuclease	3.18
Mtr.19050.1.S1_at	Mitochondrial and plastid RNA polymerase	3.18
Mtr.33699.1.S1_at	Trehalose-6-phosphate synthase like protein	3.18
Mtr.12426.1.S1_at	Dynamamin-like protein	3.18
Mtr.44597.1.S1_at	Female-specific transformer protein	3.18
Mtr.35761.1.S1_at	Hypothetical protein	3.18
Mtr.13525.1.S1_at	Hypothetical protein	3.18
Mtr.23686.1.S1_s_at	DNA-directed RNA polymerase subunit	3.17
Mtr.42739.1.S1_at	Protein kinase	3.17
Mtr.17255.1.S1_at	Formyl transferase	3.17
Mtr.44281.1.S1_at	Purple acid phosphatase	3.17
Mtr.32287.1.S1_at	Hypothetical protein	3.17
Mtr.38541.1.S1_at	Receptor-like protein kinase	3.17
Mtr.40416.1.S1_at	Hypothetical protein	3.17
Mtr.42380.1.S1_at	Hypothetical protein	3.17
Mtr.32884.1.S1_s_at	Jasmonic acid 2	3.17

Msa.1342.1.S1_at	Hypothetical protein	3.16
Mtr.12750.1.S1_at	Hypothetical protein	3.16
Mtr.47814.1.S1_at	Hypothetical protein	3.16
Mtr.20243.1.S1_s_at	Hypothetical protein	3.16
Mtr.21478.1.S1_s_at	Hypothetical protein	3.16
Mtr.10714.1.S1_at	Receptor protein kinase	3.16
Mtr.14517.1.S1_at	RNA-binding protein	3.16
Mtr.41454.1.S1_at	Farnesylated protein	3.16
Mtr.33283.1.S1_at	Chitinase	3.16
Mtr.32363.1.S1_at	Phosphatidylinositol/phosphatidylcholine transfer protein	3.16
Mtr.11679.1.S1_at	Hypothetical protein	3.16
Mtr.12784.1.S1_at	Wound-induced GSK-3-like protein	3.15
Mtr.205.1.S1_at	40S ribosomal protein S12	3.15
Mtr.10443.1.S1_at	Glyceraldehyde-3-phosphate dehydrogenase	3.15
Mtr.39338.1.S1_at	DNA-directed RNA polymerase I	3.15
Mtr.9647.1.S1_at	Hypothetical protein	3.15
Mtr.16955.1.S1_at	Ribosomal protein S9	3.15
Msa.1303.1.S1_at	Hypothetical protein	3.15
Mtr.44867.1.S1_at	1,3-fucosyltransferase	3.15
Mtr.5213.1.S1_at	TPR-repeat-containing proteins	3.15
Msa.1271.1.S1_at	Hypothetical protein	3.15
Mtr.45883.1.S1_at	Hypothetical protein	3.15
Mtr.11604.1.S1_s_at	Hypothetical protein	3.14
Mtr.43074.1.S1_at	RPM1-interacting protein	3.14
Mtr.9510.1.S1_at	Proliferating-cell nucleolar protein	3.14
Mtr.13558.1.S1_at	Beta-galactosidase	3.14
Mtr.50504.1.S1_at	Protein kinase	3.14
Mtr.6498.1.S1_at	Hypothetical protein	3.14
Mtr.20508.1.S1_s_at	Pyridine nucleotide-disulphide oxidoreductase, class-II	3.14
Mtr.5392.1.S1_at	Hypothetical protein	3.14
Mtr.45171.1.S1_at	Mitochondrial and chloroplast RNA polymerase	3.14
Mtr.38928.1.S1_at	Choline transporter-like protein	3.14
Mtr.31625.1.S1_at	Receptor kinase	3.14
Mtr.41177.1.S1_at	Mitochondrial carrier protein	3.14
Mtr.38213.1.S1_at	Hypothetical protein	3.14
Mtr.51323.1.S1_s_at	Hypothetical protein	3.14
Mtr.4347.1.S1_s_at	Chalcone-flavonone isomerase	3.13
Mtr.8407.1.S1_at	Hypothetical protein	3.13
Msa.2750.1.S1_at	Hypothetical protein	3.13
Mtr.10349.1.S1_at	Hypothetical protein	3.13
Mtr.33159.1.S1_at	Hypothetical protein	3.13
Msa.1290.1.S1_at	Hypothetical protein	3.13
Mtr.22966.1.S1_s_at	Hypothetical protein	3.13
Mtr.12961.1.S1_at	Hypothetical protein	3.13
Mtr.35231.1.S1_at	Pathogenesis-related protein	3.13
Msa.1965.1.S1_at	Hypothetical protein	3.13
Mtr.6664.1.S1_at	Hypothetical protein	3.13
Mtr.10583.1.S1_at	Root-specific metal transporter	3.13
Mtr.34637.1.S1_at	Anthranilate N-benzoyltransferase-like protein	3.13
Mtr.41732.1.S1_at	Hypothetical protein	3.13
Mtr.51829.1.S1_s_at	Response regulator receiver; CheY-like protein	3.13
Msa.1218.1.S1_at	Hypothetical protein	3.13
Mtr.51636.1.S1_at	Hypothetical protein	3.13
Mtr.20237.1.S1_at	Mitochondrial carrier protein	3.13

Mtr.5863.1.S1_at	Isoflavonoid glucosyltransferase	3.13
Mtr.41634.1.S1_at	Receptor kinase	3.12
Mtr.35571.1.S1_at	Hypothetical protein	3.12
Mtr.41848.1.S1_at	Acyl-CoA oxidase	3.12
Mtr.44471.1.S1_at	NADH dehydrogenase	3.12
Mtr.12154.1.S1_at	Hypothetical protein	3.12
Mtr.4816.1.S1_at	CDPK-like protein	3.12
Mtr.19348.1.S1_x_at	Hypothetical protein	3.12
Mtr.15650.1.S1_at	Adenylate kinase	3.12
Mtr.16016.1.S1_at	Hypothetical protein	3.12
Mtr.14274.1.S1_at	RNA-binding protein	3.12
Mtr.13716.1.S1_at	Hypothetical protein	3.11
Mtr.29305.1.S1_at	Hypothetical protein	3.11
Mtr.40007.1.S1_at	Hypothetical protein	3.11
Mtr.50358.1.S1_at	Hypothetical protein	3.11
Mtr.22834.1.S1_at	Symbiotic ammonium transporter	3.11
Mtr.29620.1.S1_at	Hypothetical protein	3.11
Mtr.39981.1.S1_at	CTR1-like protein kinase	3.11
Mtr.41029.1.S1_at	Ankyrin repeat-containing protein	3.11
Mtr.12917.1.S1_at	Jasmonic acid 2	3.11
Mtr.37122.1.S1_at	Hypothetical protein	3.11
Mtr.3288.1.S1_at	Hypothetical protein	3.11
Mtr.29969.1.S1_at	Hypothetical protein	3.11
Mtr.9032.1.S1_at	Aspartyl protease	3.11
Mtr.39985.1.S1_at	Hypothetical protein	3.11
Mtr.2503.1.S1_s_at	NEP1-interacting protein	3.11
Mtr.13113.1.S1_at	Hypothetical protein	3.11
Mtr.1887.1.S1_at	Gibberellin oxidase-like protein	3.10
Mtr.39710.1.S1_at	Hypothetical protein	3.10
Mtr.43389.1.S1_at	Fiber protein Fb2	3.10
Mtr.5582.1.S1_s_at	DNA-directed RNA polymerase I	3.10
Mtr.5620.1.S1_at	Membrane cofactor protein	3.10
Mtr.37421.1.S1_at	Somatic embryogenesis receptor-like kinase	3.10
Mtr.12392.1.S1_at	Phaseolin G-box binding protein	3.10
Mtr.8594.1.S1_at	Soluble inorganic pyrophosphatase	3.10
Mtr.46085.1.S1_at	Homeodomain-like protein	3.10
Mtr.8716.1.S1_at	Ras-related protein	3.10
Mtr.21025.1.S1_at	Alpha/beta hydrolase	3.09
Mtr.43511.1.S1_at	Nucleic acid binding protein	3.09
Mtr.36679.1.S1_s_at	Hypothetical protein	3.09
Mtr.49129.1.S1_s_at	Puf RNA-binding protein	3.09
Mtr.1692.1.S1_at	Hypothetical protein	3.09
Mtr.41430.1.S1_at	Hypothetical protein	3.09
Mtr.41930.1.S1_at	Hypothetical protein	3.09
Mtr.37423.1.S1_at	Chaperonin CPN60-2, mitochondrial precursor (HSP60-2)	3.09
Mtr.16619.1.S1_at	Ribosomal protein L24E	3.09
Mtr.35606.1.S1_at	Hypothetical protein	3.09
Mtr.6798.1.S1_at	NADH dehydrogenase subunit 5	3.09
Mtr.24341.1.S1_at	Hypothetical protein	3.09
Mtr.5840.1.S1_at	Hypothetical protein	3.09
Mtr.50730.1.S1_at	bZIP transcription factor	3.09
Mtr.48949.1.S1_at	Biopterin transport-related protein	3.09
Mtr.40474.1.S1_at	Ribosomal protein 30S	3.09
Mtr.43306.1.S1_at	Nucleic acid binding protein	3.09

Mtr.31452.1.S1_at	Hypothetical protein	3.08
Msa.1102.1.S1_at	Hypothetical protein	3.08
Mtr.41303.1.S1_at	Hypothetical protein	3.08
Mtr.40130.1.S1_at	Peroxidase	3.08
Mtr.28321.1.S1_s_at	Phloem-specific lectin PP2-like protein	3.08
Mtr.20487.1.S1_at	Hypothetical protein	3.08
Mtr.8495.1.S1_at	Endoplasmic reticulum HSC70-cognate binding protein	3.08
Mtr.42021.1.S1_at	1-aminocyclopropane-1-carboxylate oxidase	3.08
Mtr.37956.1.S1_at	Hypothetical protein	3.08
Mtr.33608.1.S1_at	Hypothetical protein	3.08
Mtr.11602.1.S1_at	Hypothetical protein	3.08
Mtr.28049.1.S1_at	Hypothetical protein	3.08
Mtr.9213.1.S1_at	NIMA-related protein kinase	3.07
Mtr.33201.1.S1_at	Hypothetical protein	3.07
Mtr.34946.1.S1_at	Hypothetical protein	3.07
Mtr.13773.1.S1_at	NADH dehydrogenase subunit 4	3.07
Mtr.44333.1.S1_s_at	Hypothetical protein	3.07
Mtr.41152.1.S1_at	Hypothetical protein	3.07
Mtr.43544.1.S1_at	Covalently-linked cell wall protein 7	3.07
Mtr.8462.1.S1_at	Lipoxygenase	3.07
Mtr.1767.1.S1_at	Hypothetical protein	3.07
Mtr.41578.1.S1_at	Hypothetical protein	3.07
Mtr.12053.1.S1_at	Serine acetyltransferase	3.07
Mtr.374.1.S1_at	Hypothetical protein	3.07
Mtr.38304.1.S1_s_at	Hypothetical protein	3.07
Mtr.4344.1.S1_at	Rapid alkalization factor 2	3.07
Mtr.44885.1.S1_at	Hypothetical protein	3.07
Mtr.26965.1.S1_at	Hypothetical protein	3.07
Mtr.43865.1.S1_at	Heat shock protein 83	3.07
Mtr.50494.1.S1_s_at	Hypothetical protein	3.07
Msa.2793.1.S1_at	Hypothetical protein	3.07
Mtr.23204.1.S1_x_at	Hypothetical protein	3.06
Msa.2808.1.S1_at	Hypothetical protein	3.06
Mtr.10744.1.S1_at	Hypothetical protein	3.06
Mtr.32827.1.S1_s_at	Hypothetical protein	3.06
Mtr.24032.1.S1_at	Hypothetical protein	3.06
Mtr.13834.1.S1_at	Hypothetical protein	3.06
Mtr.14845.1.S1_s_at	Hypothetical protein	3.06
Mtr.45351.1.S1_s_at	Hypothetical protein	3.06
Mtr.13646.1.S1_at	Hypothetical protein	3.06
Mtr.43847.1.S1_at	Mitochondrial carrier protein	3.06
Mtr.12230.1.S1_s_at	Elongation factor 2	3.06
Mtr.21300.1.S1_at	Small nuclear-like ribonucleoprotein	3.05
Mtr.36034.1.S1_at	Hypothetical protein	3.05
Mtr.50766.1.S1_at	Hypothetical protein	3.05
Mtr.9417.1.S1_at	Beta-galactosidase	3.05
Mtr.6343.1.S1_at	Hydroxyproline-rich glycoprotein	3.05
Mtr.28513.1.S1_at	Phospholipase D	3.05
Mtr.11078.1.S1_at	Hypothetical protein	3.05
Mtr.6418.1.S1_s_at	Hypothetical protein	3.05
Mtr.40782.1.S1_at	Hypothetical protein	3.05
Mtr.43936.1.S1_at	Ser/Thr protein kinase	3.05
Mtr.9031.1.S1_s_at	Nucellin-like aspartic protease	3.05
Mtr.28286.1.S1_at	Hypothetical protein	3.05

Mtr.42839.1.S1_at	Hypothetical protein	3.05
Mtr.50416.1.S1_at	Phosphatidylinositol 3- and 4-kinase	3.05
Mtr.27318.1.S1_at	Fructose-bisphosphate aldolase	3.05
Mtr.42528.1.S1_at	Hypothetical protein	3.04
Mtr.2386.1.S1_at	Hypothetical protein	3.04
Mtr.10736.1.S1_at	Hypothetical protein	3.04
Mtr.28378.1.S1_at	Hypothetical protein	3.04
Mtr.15376.1.S1_at	Hypothetical protein	3.04
Mtr.19399.1.S1_at	Glutathione S-transferase	3.04
Mtr.52344.1.S1_at	Aminotransferase	3.04
Mtr.32578.1.S1_at	Hypothetical protein	3.04
Mtr.38635.1.S1_at	Peroxidase	3.04
Mtr.43265.1.S1_at	Hypothetical protein	3.04
Mtr.45123.1.S1_at	Hypothetical protein	3.04
Mtr.41453.1.S1_at	Hypothetical protein	3.04
Mtr.44587.1.S1_at	Peroxisomal acetoacetyl-coenzyme A thiolase	3.04
Mtr.38970.1.S1_at	Hypothetical protein	3.04
Mtr.51932.1.S1_at	Quinonprotein alcohol dehydrogenase	3.04
Mtr.30728.1.S1_at	SAR DNA-binding protein	3.04
Mtr.5045.1.S1_at	Hypothetical protein	3.04
Mtr.1893.1.S1_at	Hypothetical protein	3.03
Mtr.46098.1.S1_s_at	Zn-finger, DHHC type	3.03
Mtr.23743.1.S1_at	Hypothetical protein	3.03
Msa.1037.1.S1_at	Hypothetical protein	3.03
Mtr.25749.1.S1_at	Copper amine oxidase	3.03
Mtr.6671.1.S1_at	Hypothetical protein	3.03
Mtr.43151.1.S1_at	Beta-galactosidase	3.03
Mtr.43129.1.S1_at	Arginine decarboxylase	3.02
Mtr.25309.1.S1_at	Hypothetical protein	3.02
Mtr.33064.1.S1_at	Calmodulin-binding protein	3.02
Mtr.31446.1.S1_at	Hypothetical protein	3.02
Mtr.13453.1.S1_at	Hypothetical protein	3.02
Mtr.38855.1.S1_at	Hypothetical protein	3.02
Msa.1686.1.S1_s_at	Hypothetical protein	3.02
Mtr.33034.1.S1_at	Chromobox protein	3.02
Mtr.9077.1.S1_at	Hypothetical protein	3.02
Msa.277.1.S1_at	Hypothetical protein	3.02
Mtr.8479.1.S1_at	Cytochrome P450	3.02
Mtr.19346.1.S1_s_at	Hypothetical protein	3.02
Mtr.4284.1.S1_at	Hypothetical protein	3.02
Mtr.40928.1.S1_at	PGPD14 protein	3.02
Mtr.51291.1.S1_at	Pathogenesis-related transcriptional factor	3.02
Mtr.41492.1.S1_at	Phytochrome-associated protein	3.01
Mtr.42907.1.S1_at	Hypothetical protein	3.01
Mtr.29453.1.S1_at	Hypothetical protein	3.01
Mtr.27737.1.S1_at	Hypothetical protein	3.01
Mtr.27653.1.S1_s_at	Hypothetical protein	3.01
Mtr.2692.1.S1_at	Hypothetical protein	3.01
Mtr.11774.1.S1_at	Hypothetical protein	3.01
Mtr.43348.1.S1_at	Isoprenylated protein	3.01
Mtr.43493.1.S1_at	Hypothetical protein	3.01
Mtr.27102.1.S1_at	Hypothetical protein	3.01
Mtr.28295.1.S1_s_at	Female-specific transformer protein	3.01
Mtr.12018.1.S1_at	Hypothetical protein	3.01



Mtr.50704.1.S1_at	Aldehyde dehydrogenase	3.01
Mtr.23789.1.S1_s_at	Glutamate decarboxylase	3.01
Mtr.32877.1.S1_at	Hypothetical protein	3.01
Msa.1002.1.S1_at	Hypothetical protein	3.00
Mtr.12120.1.S1_at	Hypothetical protein	3.00
Mtr.10838.1.S1_at	Leucine-rich repeat protein	3.00

**Supplementary Table S2. Downregulated genes at 12 hours after inoculation with soybean rust**

<b>Probesets</b>	<b>Target Description</b>	<b>Fold reduction</b>
Mtr.26465.1.S1_s_at	Phosphoethanolamine N-methyltransferase	-886.26
Mtr.13982.1.S1_at	CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferase	-687.90
Mtr.35794.1.S1_s_at	Myo-inositol 1-phosphate synthase	-659.64
Mtr.20438.1.S1_at	O-methyltransferase	-639.88
Mtr.20321.1.S1_at	Plant lipid transfer/seed storage/trypsin-alpha amylase inhibitor	-629.87
Mtr.42849.1.S1_at	Myo-inositol-1-phosphate synthase	-520.47
Mtr.8427.1.S1_at	Lipoxygenase	-469.91
Mtr.12069.1.S1_at	Phosphoethanolamine N-methyltransferase	-363.98
Msa.888.1.S1_at	Hypothetical protein	-339.34
Mtr.11085.1.S1_at	LHY protein	-329.74
Mtr.8618.1.S1_at	Cytochrome P450 monooxygenase CYP93D1	-328.21
Mtr.43021.1.S1_at	1-deoxy-D-xylulose 5-phosphate reductoisomerase	-325.67
Msa.2715.1.S1_at	Hypothetical protein	-268.19
Mtr.44581.1.S1_at	Hypothetical protein	-244.04
Mtr.10456.1.S1_at	Early light inducible protein	-213.77
Mtr.12499.1.S1_s_at	Hypothetical protein	-208.32
Mtr.40245.1.S1_s_at	Early light inducible protein	-206.93
Mtr.12393.1.S1_at	Cinnamoyl-CoA reductase	-204.37
Mtr.44731.1.S1_at	Hypothetical protein	-201.56
Mtr.38552.1.S1_s_at	Hypothetical protein	-199.56
Mtr.10369.1.S1_at	Chalcone synthase	-188.66
Mtr.15442.1.S1_at	Hypothetical protein	-188.28
Mtr.8651.1.S1_a_at	Dehydrin-like protein	-173.38
Mtr.773.1.S1_s_at	LHY protein	-169.80
Msa.888.1.S1_s_at	Hypothetical protein	-167.82
Mtr.16402.1.S1_at	NADPH HC toxin reductase	-167.17
Mtr.12272.1.S1_at	Granule-bound glycogen (Starch) synthase	-166.78
Mtr.8651.1.S1_at	Dehydrin-like protein	-166.21
Mtr.42858.1.S1_at	Acid phosphatase	-163.28
Mtr.9320.1.S1_at	Hypothetical protein	-162.56
Mtr.42982.1.S1_s_at	Carbonic anhydrase	-161.97
Mtr.52215.1.S1_at	Lipoxygenase	-159.17
Mtr.10457.1.S1_at	Early light inducible protein	-155.94
Mtr.10659.1.S1_s_at	Hypothetical protein	-152.50
Mtr.26601.1.S1_s_at	FRO1-like protein	-150.56
Mtr.52315.1.S1_at	Heat shock protein DnaJ	-138.14
Mtr.38073.1.S1_at	Dihydroflavanol-4-reductase 1	-134.50
Mtr.44812.1.S1_s_at	Extracellular calcium sensing receptor	-131.73
Msa.3134.1.S1_at	Hypothetical protein	-131.02
Mtr.14290.1.S1_at	Rhodanese-like protein	-130.84
Mtr.43089.1.S1_at	Seed maturation protein LEA 4	-130.56
Mtr.10450.1.S1_at	Hypothetical protein	-130.13
Mtr.46164.1.S1_s_at	Hypothetical protein	-127.64
Mtr.51205.1.S1_at	Hypothetical protein	-125.87
Mtr.4439.1.S1_s_at	Thioredoxin H2	-125.15
Mtr.26602.1.S1_s_at	NADPH oxidase	-121.40
Msa.3155.1.S1_at	Hypothetical protein	-120.72
Mtr.43870.1.S1_at	NADPH oxidase	-118.73
Mtr.46609.1.S1_at	UDP-glycosyltransferase	-116.66
Mtr.11110.1.S1_at	GCN5-related N-acetyltransferase (GNAT) family	-116.56
Mtr.768.1.S1_at	Hypothetical protein	-111.46
Mtr.28774.1.S1_at	Anthocyanidin synthase	-111.08

Mtr.12687.1.S1_at	Hypothetical protein	-107.69
Mtr.13564.1.S1_s_at	Extracellular calcium sensing receptor	-106.98
Mtr.45133.1.S1_at	Amine oxidase	-105.86
Msa.1858.1.S1_at	Hypothetical protein	-105.24
Mtr.35685.1.S1_at	Heat shock protein	-105.09
Mtr.12942.1.S1_at	Late embryogenesis abundant protein	-104.14
Mtr.37221.1.S1_at	Photosystem II type I chlorophyll a/b-binding protein	-103.58
Mtr.13397.1.S1_at	Regulator of chromosome condensation-like protein	-103.53
Mtr.50943.1.S1_at	Peptidase	-103.51
Mtr.32878.1.S1_at	Zeaxanthin epoxidase	-103.43
Msa.3125.1.S1_at	Hypothetical protein	-102.00
Mtr.40719.1.S1_s_at	Tic62 protein	-101.44
Mtr.1186.1.S1_s_at	Hypothetical protein	-100.32
Mtr.16410.1.S1_at	Alpha/beta hydrolase	-98.49
Mtr.13375.1.S1_at	Hypothetical protein	-96.56
Mtr.6142.1.S1_at	Jasmonate O-methyltransferase	-95.18
Mtr.32797.1.S1_s_at	Sphingolipid long chain base delta 8 desaturase	-95.02
Mtr.11284.1.S1_at	Oxygen evolving complex protein	-94.72
Mtr.27879.1.S1_at	Hypothetical protein	-93.52
Mtr.31194.1.S1_at	Cytochrome P450	-92.98
Mtr.26044.1.S1_s_at	Circadian clock associated1	-92.09
Msa.1358.1.S1_at	Hypothetical protein	-90.45
Mtr.26465.1.S1_at	Phosphoethanolamine N-methyltransferase	-89.27
Mtr.13014.1.S1_at	Amine oxidase	-89.20
Mtr.10693.1.S1_at	Cytochrome P450	-87.45
Mtr.35696.1.S1_s_at	Hypothetical protein	-87.40
Mtr.19759.1.S1_at	Zinc-containing alcohol dehydrogenase	-87.05
Mtr.48649.1.S1_at	Cellulose synthase	-86.86
Mtr.32302.1.S1_at	Hypothetical protein	-86.68
Msa.3055.1.S1_at	Hypothetical protein	-85.57
Mtr.37252.1.S1_at	Salt-tolerance protein	-85.29
Mtr.44844.1.S1_at	Chalcone reductase	-84.93
Msa.2980.1.S1_at	Hypothetical protein	-84.83
Mtr.9873.1.S1_at	Thioredoxin H2	-84.73
Mtr.41960.1.S1_at	Hypothetical protein	-83.91
Mtr.39986.1.S1_at	Hypothetical protein	-83.69
Mtr.43296.1.S1_at	Hypothetical protein	-83.56
Mtr.41063.1.S1_at	Nine-cis-epoxycarotenoid dioxygenase4	-83.49
Mtr.38344.1.S1_at	Limonoid UDP-glucosyltransferase	-83.28
Mtr.38769.1.S1_at	Steroid 5alpha-reductase-like protein	-82.98
Mtr.47151.1.S1_at	Glutathione S-transferase	-82.72
Mtr.26597.1.S1_at	Hypothetical protein	-82.01
Mtr.41445.1.S1_at	Hypothetical protein	-81.97
Mtr.8771.1.S1_at	Hypothetical protein	-80.53
Mtr.50035.1.S1_at	Hypothetical protein	-80.37
Mtr.35647.1.S1_at	Hypothetical protein	-80.25
Mtr.9796.1.S1_at	Hypothetical protein	-79.62
Mtr.49244.1.S1_at	NADPH HC toxin reductase	-79.35
Mtr.33852.1.S1_at	CpABA1 protein	-79.16
Mtr.9735.1.S1_a_at	Tic62 protein	-78.96
Mtr.40546.1.S1_at	Hypothetical protein	-78.79
Mtr.7343.1.S1_at	ADP-glucose pyrophosphorylase	-78.45
Mtr.16941.1.S1_at	UDP-glucuronosyl/UDP-glucosyltransferase	-78.26
Mtr.41463.1.S1_at	ADP-glucose pyrophosphorylase	-76.89

Mtr.6707.1.S1_s_at	Hypothetical protein	-76.71
Mtr.40861.1.S1_at	Cytochrome P450	-75.25
Mtr.6048.1.S1_s_at	Hypothetical protein	-74.78
Mtr.12806.1.S1_at	Ascorbate oxidase promoter-binding protein	-74.29
Mtr.8438.1.S1_at	LHCII type I chlorophyll a/b-binding protein	-73.81
Mtr.42981.1.S1_s_at	Hypothetical protein	-73.75
Mtr.12797.1.S1_at	Family II lipase EXL3	-72.40
Mtr.37367.1.S1_at	UDP-glucosyltransferase	-72.23
Mtr.1857.1.S1_at	CpABA1 protein	-72.08
Mtr.37215.1.S1_at	Photosystem II type I chlorophyll a/b-binding protein	-71.98
Mtr.41828.1.S1_at	Thylakoid soluble phosphoprotein	-71.72
Mtr.41387.1.S1_at	Hypothetical protein	-71.63
Mtr.42902.1.S1_s_at	Hypothetical protein	-71.55
Mtr.2065.1.S1_at	Hypothetical protein	-70.87
Mtr.5956.1.S1_s_at	Late embryogenesis abundant protein	-70.49
Mtr.37363.1.S1_at	CPRD46 protein	-69.95
Mtr.37384.1.S1_at	Granule-bound starch synthase	-69.94
Mtr.12682.1.S1_at	Light-harvesting complex protein	-69.88
Mtr.41416.1.S1_at	Drought-induced protein RDI	-69.78
Mtr.34140.1.S1_at	CpABA1 protein	-69.30
Mtr.1274.1.S1_at	Proline-rich protein	-69.27
Mtr.11048.1.S1_at	Hypothetical protein	-68.83
Mtr.40306.1.S1_at	Hypothetical protein	-68.75
Mtr.35240.1.S1_s_at	Xyloglucan endotransglycosylase hydrolase 1	-68.73
Mtr.50430.1.S1_at	Lipoxygenase	-68.30
Msa.927.1.S1_at	Hypothetical protein	-68.24
Mtr.14755.1.S1_at	Hypothetical protein	-67.88
Mtr.26036.1.S1_s_at	Fatty acid elongase 3-ketoacyl-CoA synthase 1 (KCS1)	-67.54
Mtr.11088.1.S1_at	37kDa chloroplast inner envelope membrane polypeptide	-67.08
Mtr.13758.1.S1_at	Hypothetical protein	-65.84
Mtr.12327.1.S1_s_at	Late embryogenesis abundant protein	-65.60
Mtr.241.1.S1_at	Delta-6-desaturase	-65.58
Mtr.43118.1.S1_s_at	Cytochrome P450 72A1	-65.51
Mtr.39290.1.S1_at	Hypothetical protein	-65.50
Mtr.38596.1.S1_at	Amine oxidase	-65.39
Mtr.44988.1.S1_at	Zeaxanthin epoxidase	-64.58
Msa.1690.1.S1_at	Hypothetical protein	-63.94
Mtr.38772.1.S1_at	In2-1 protein	-63.80
Msa.1752.1.S1_s_at	Hypothetical protein	-63.58
Msa.2589.1.S1_at	Hypothetical protein	-62.53
Mtr.8650.1.S1_at	Xyloglucan endotransglycosylase hydrolase 1	-62.46
Mtr.44505.1.S1_at	Glucosyltransferase-9	-61.62
Mtr.8475.1.S1_s_at	Plastidic aldolase	-61.60
Msa.2924.1.S1_at	Hypothetical protein	-61.13
Msa.1578.1.S1_at	Hypothetical protein	-61.10
Mtr.42335.1.S1_at	Hypothetical protein	-61.05
Mtr.13564.1.S1_at	Extracellular calcium sensing receptor	-61.03
Mtr.2129.1.S1_at	Hypothetical protein	-61.01
Mtr.37362.1.S1_at	CPRD46 protein	-60.30
Mtr.253.1.S1_at	Symbiotic ammonium transporter	-59.84
Mtr.13261.1.S1_s_at	Hypothetical protein	-59.78
Mtr.33745.1.S1_s_at	Hypothetical protein	-59.78
Mtr.43886.1.S1_at	RNA polymerase sigma subunit SigE	-59.43
Mtr.43117.1.S1_at	Cytochrome P450	-59.39

Mtr.36069.1.S1_s_at	Hypothetical protein	-58.96
Mtr.18535.1.S1_at	Hypothetical protein	-57.76
Mtr.10604.1.S1_at	Nitrate reductase	-57.21
Mtr.19547.1.S1_s_at	Nucleoside phosphatase	-57.21
Mtr.13242.1.S1_at	Magnesium chelatase	-57.06
Mtr.51618.1.S1_at	Hypothetical protein	-56.50
Mtr.6031.1.S1_at	Lipid transfer protein	-56.38
Mtr.37368.1.S1_at	Hypothetical protein	-56.35
Mtr.12199.1.S1_at	Ascorbate oxidase promoter-binding protein	-55.61
Mtr.50943.1.S1_s_at	Peptidase	-55.20
Msa.2805.1.S1_at	Hypothetical protein	-55.16
Mtr.9236.1.S1_at	ADP-glucose pyrophosphorylase	-55.06
Mtr.41942.1.S1_at	Hypothetical protein	-54.70
Mtr.13484.1.S1_s_at	Golden2-like protein 2	-54.65
Mtr.23405.1.S1_at	Hypothetical protein	-54.52
Mtr.32384.1.S1_s_at	Beta-amyrin synthase	-54.50
Mtr.41393.1.S1_at	Hypothetical protein	-54.42
Mtr.43208.1.S1_at	Thioredoxin F-type	-53.95
Mtr.18630.1.S1_at	Prenyltransferase/squalene oxidase	-53.65
Mtr.10948.1.S1_at	Hypothetical protein	-53.36
Msa.1858.1.S1_x_at	Hypothetical protein	-53.35
Mtr.4951.1.S1_at	Hypothetical protein	-53.00
Mtr.34690.1.S1_at	Lactoylglutathione lyase	-52.99
Mtr.21070.1.S1_at	Hypothetical protein	-52.76
Mtr.2064.1.S1_at	Hypothetical protein	-52.53
Mtr.8554.1.S1_at	Fructose-bisphosphate aldolase	-51.97
Mtr.32679.1.S1_at	Hypothetical protein	-51.87
Msa.1381.1.S1_at	Hypothetical protein	-51.81
Msa.3003.1.S1_at	Hypothetical protein	-51.75
Mtr.14426.1.S1_at	Aldo/keto reductase	-51.48
Msa.1593.1.S1_at	Hypothetical protein	-51.17
Mtr.27305.1.S1_at	S-receptor kinase-like protein 2	-50.98
Msa.1451.1.S1_at	Hypothetical protein	-50.88
Mtr.36333.1.S1_at	Flavonoid 3'-hydroxylase	-50.72
Mtr.40497.1.S1_at	Glucose acyltransferase	-50.71
Mtr.8530.1.S1_s_at	Hypothetical protein	-50.61
Mtr.40432.1.S1_at	Sedoheptulose-1,7-bisphosphatase	-50.45
Mtr.48573.1.S1_at	Haloacid dehalogenase-like hydrolase	-50.26
Mtr.14608.1.S1_at	Heat shock protein Hsp20	-49.87
Mtr.31744.1.S1_at	Anthranilate N-hydroxycinnamoyl/benzoyltransferase	-49.61
Msa.1609.1.S1_at	Hypothetical protein	-49.37
Mtr.40669.1.S1_at	FK506 binding protein 1	-49.31
Mtr.34723.1.S1_at	37 kDa inner envelope membrane protein	-48.76
Mtr.34955.1.S1_at	Hypothetical protein	-48.59
Mtr.44591.1.S1_at	Quinone oxidoreductase	-48.58
Mtr.44991.1.S1_at	Cucumisin-like serine protease	-48.53
Mtr.15717.1.S1_at	Chlorophyll A-B binding protein	-48.26
Mtr.39190.1.S1_at	Cytochrome p450	-48.24
Mtr.43589.1.S1_at	Protease Do-like 1	-48.11
Mtr.5358.1.S1_at	Cellulose synthase	-47.87
Mtr.43911.1.S1_at	Hypothetical protein	-47.70
Mtr.22141.1.S1_at	Glycosyltransferase	-47.63
Mtr.9748.1.S1_at	Peptidyl-prolyl cis-trans isomerase TLP38	-47.62
Mtr.41042.1.S1_s_at	Phosphoethanolamine N-methyltransferase	-47.47

Mtr.49177.1.S1_at	Dienelactone hydrolase	-47.42
Mtr.36457.1.S1_at	RNA polymerase sigma subunit SigE	-47.40
Msa.3075.1.S1_at	Hypothetical protein	-47.28
Msa.1004.1.S1_at	Hypothetical protein	-46.87
Mtr.17090.1.S1_at	Myb, DNA-binding	-46.40
Mtr.3423.1.S1_at	Vesicular glutamate transporter-3	-46.36
Mtr.39853.1.S1_at	Basic PR-1 protein	-46.12
Mtr.5628.1.S1_s_at	Lipoxygenase	-45.95
Mtr.33633.1.S1_at	Subtilisin-like serine protease	-45.75
Mtr.18035.1.S1_at	Protein phosphatase 2C	-45.31
Mtr.8552.1.S1_at	Hypothetical protein	-44.99
Mtr.42226.1.S1_at	Ent-kaurenoic acid oxidase	-44.83
Mtr.9328.1.S1_at	Carboxyl terminal protease	-44.67
Mtr.6748.1.S1_at	Hypothetical protein	-44.34
Mtr.33820.1.S1_at	Beta-galactosidase	-44.13
Mtr.8476.1.S1_at	Plastidic aldolase	-44.10
Mtr.37557.1.S1_at	Nine-cis-epoxycarotenoid dioxygenase1	-43.93
Mtr.17317.1.S1_at	S-adenosyl-methionine-sterol-C-methyltransferase	-43.67
Msa.3154.1.S1_at	Hypothetical protein	-43.67
Mtr.44648.1.S1_at	Hypothetical protein	-43.52
Mtr.34220.1.S1_s_at	Hypothetical protein	-43.38
Mtr.8440.1.S1_at	Salt-tolerance protein	-43.37
Msa.1197.1.S1_at	Hypothetical protein	-43.35
Mtr.27898.1.S1_at	Alanine aminotransferase	-42.69
Mtr.9709.1.S1_at	Hypothetical protein	-42.16
Mtr.39524.1.S1_at	Circadian clock associated1	-42.12
Mtr.16620.1.S1_s_at	Phosphoglycerate/bisphosphoglycerate mutase	-42.04
Mtr.5348.1.S1_at	Hypothetical protein	-41.79
Mtr.11985.1.S1_at	Hypothetical protein	-41.62
Mtr.34856.1.S1_at	Hypothetical protein	-41.59
Mtr.41515.1.S1_at	Phosphate transporter	-41.46
Mtr.41843.1.S1_at	Fimbrin	-41.29
Mtr.46628.1.S1_s_at	Peroxidase	-41.10
Mtr.37533.1.S1_at	Fructose-1,6-bisphosphatase	-41.03
Mtr.22480.1.S1_s_at	Chloroplast mRNA-binding protein	-41.00
Mtr.6704.1.S1_at	Hypothetical protein	-40.71
Mtr.42665.1.S1_at	Hypothetical protein	-40.68
Mtr.31606.1.S1_s_at	Phosphoethanolamine N-methyltransferase	-40.51
Msa.1838.1.S1_s_at	Hypothetical protein	-40.33
Mtr.14013.1.S1_at	Transporter associated with antigen processing-like protein	-40.27
Mtr.40921.1.S1_at	Hypothetical protein	-40.23
Mtr.41715.1.S1_at	Receptor protein-like	-40.18
Mtr.37609.1.S1_s_at	Hypothetical protein	-40.10
Mtr.24578.1.S1_s_at	Hypothetical protein	-40.01
Mtr.9273.1.S1_at	Benzoyl coenzyme A	-39.49
Mtr.40742.1.S1_s_at	Thylakoid membrane phosphoprotein 14 kDa	-39.44
Mtr.50844.1.S1_at	PAP fibrillin	-39.34
Mtr.12138.1.S1_at	Hypothetical protein	-39.03
Mtr.9477.1.S1_at	Hypothetical protein	-39.00
Mtr.10124.1.S1_at	Cytochrome P450	-38.85
Mtr.24918.1.S1_s_at	Receptor-like protein kinase	-38.76
Mtr.34097.1.S1_at	Sucrose-phosphate synthase 2	-38.71
Mtr.37609.1.S1_at	Hypothetical protein	-38.66
Mtr.41305.1.S1_at	CPRD49 protein	-38.57

Mtr.43939.1.S1_s_at	Ribonuclease HIII	-38.48
Msa.2951.1.S1_at	Hypothetical protein	-38.41
Mtr.10925.1.S1_at	Hypothetical protein	-38.35
Mtr.13190.1.S1_at	Hypothetical protein	-38.26
Mtr.50426.1.S1_at	Lipoxygenase	-38.23
Mtr.33651.1.S1_at	Hypothetical protein	-38.06
Mtr.5355.1.S1_at	Hypothetical protein	-38.04
Mtr.43717.1.S1_at	Hypothetical protein	-37.99
Mtr.6745.1.S1_s_at	Violaxanthin de-epoxidase	-37.95
Mtr.11810.1.S1_at	Hypothetical protein	-37.86
Mtr.46324.1.S1_at	Hypothetical protein	-37.56
Mtr.10830.1.S1_at	Solaneyl diphosphate synthase	-37.43
Mtr.1073.1.S1_at	Hypothetical protein	-37.38
Mtr.41786.1.S1_at	Hypothetical protein	-37.35
Mtr.44475.1.S1_at	Ultraviolet-B-repressible protein	-37.33
Mtr.8977.1.S1_at	Pathogenesis-related protein	-37.07
Mtr.10820.1.S1_at	Hypothetical protein	-36.87
Mtr.21910.1.S1_at	Trypsin protein inhibitor 2	-36.76
Mtr.32752.1.S1_s_at	Hypothetical protein	-36.73
Mtr.45311.1.S1_at	Hypothetical protein	-36.41
Mtr.11069.1.S1_at	Starch branching enzyme I	-36.20
Mtr.4723.1.S1_at	Hypothetical protein	-36.18
Mtr.40848.1.S1_at	Photosystem II protein X	-35.91
Mtr.42241.1.S1_at	Nodulin 26-like protein	-35.84
Mtr.41360.1.S1_at	Fimbrin-like protein	-35.65
Msa.1383.1.S1_at	Hypothetical protein	-35.60
Mtr.38650.1.S1_at	Anthocyanidin synthase	-35.56
Mtr.10298.1.S1_at	Photosystem II 22 kDa protein	-35.51
Mtr.10789.1.S1_at	Chlorophyll a oxygenase	-35.49
Mtr.47266.1.S1_at	DNA-binding protein 4	-35.48
Mtr.10797.1.S1_at	Thylakoid membrane phosphoprotein 14 kDa	-35.26
Mtr.5344.1.S1_at	Cellulose synthase	-35.07
Mtr.24034.1.S1_s_at	Hypothetical protein	-35.04
Msa.565.1.S1_at	Hypothetical protein	-34.89
Mtr.28829.1.S1_at	Hypothetical protein	-34.88
Mtr.12965.1.S1_at	Hypothetical protein	-34.84
Mtr.12028.1.S1_at	Hypothetical protein	-34.69
Mtr.10816.1.S1_at	Hypothetical protein	-34.64
Mtr.24825.1.S1_s_at	Cytochrome P450	-34.62
Mtr.19547.1.S1_at	Nucleoside phosphatase	-34.61
Mtr.21416.1.S1_at	Ribonuclease	-34.33
Mtr.31205.1.S1_at	Hypothetical protein	-34.28
Mtr.10182.1.S1_at	PREG1-like negative regulator-like protein	-34.23
Mtr.43262.1.S1_at	Hypothetical protein	-34.16
Mtr.6657.1.S1_s_at	Hypothetical protein	-34.13
Mtr.43442.1.S1_at	Hypothetical protein	-33.91
Mtr.13704.1.S1_at	Hypothetical protein	-33.81
Mtr.46512.1.S1_at	Alpha/beta-amyrin synthase	-33.66
Mtr.8799.1.S1_at	Raffinose synthase	-33.58
Mtr.10911.1.S1_at	Phenylpropanoid:glucosyltransferase 1	-33.55
Mtr.37335.1.S1_at	Chlorophyll a/b-binding protein	-33.54
Msa.1851.1.S1_at	Hypothetical protein	-33.51
Mtr.24540.1.S1_s_at	Peroxidase	-33.50
Mtr.14356.1.S1_at	Photosystem I reaction centre subunit IV	-33.33

Mtr.43317.1.S1_s_at	Photosystem II core complex proteins psbY	-33.05
Mtr.10377.1.S1_at	Hypothetical protein	-33.01
Mtr.5633.1.S1_at	Esterase/lipase/thioesterase	-32.98
Mtr.34115.1.S1_at	Hypothetical protein	-32.97
Mtr.20297.1.S1_at	Lipocalin	-32.88
Mtr.22060.1.S1_at	Alanine aminotransferase	-32.80
Mtr.11603.1.S1_at	Non-phototropic hypocotyl-like protein	-32.69
Msa.1752.1.S1_at	Hypothetical protein	-32.66
Mtr.44732.1.S1_at	GDSL-motif lipase/hydrolase	-32.57
Mtr.28584.1.S1_s_at	Hypothetical protein	-32.56
Mtr.49640.1.S1_at	Hypothetical protein	-32.45
Mtr.11545.1.S1_at	Hypothetical protein	-32.43
Mtr.7344.1.S1_at	Hypothetical protein	-32.33
Mtr.16620.1.S1_at	Phosphoglycerate/bisphosphoglycerate mutase	-32.29
Mtr.33459.1.S1_s_at	Hypothetical protein	-32.16
Mtr.9185.1.S1_at	Prephenate dehydratase	-32.08
Mtr.12160.1.S1_at	Mitochondrial carnitine/acylcarnitine carrier-like protein	-32.04
Mtr.40246.1.S1_at	Hypothetical protein	-31.98
Mtr.17364.1.S1_at	D-galactoside/L-rhamnose binding SUEL lectin	-31.85
Msa.1913.1.S1_at	Hypothetical protein	-31.83
Msa.2574.1.S1_at	Hypothetical protein	-31.79
Mtr.7512.1.S1_at	Hypothetical protein	-31.70
Mtr.47629.1.S1_at	Aldo/keto reductase	-31.55
Mtr.43295.1.S1_at	Hypothetical protein	-31.49
Mtr.11664.1.S1_at	MYB transcription factor	-31.30
Mtr.18757.1.S1_at	Sulfate transporter	-31.26
Mtr.18560.1.S1_at	dTDP-glucose 4-6-dehydratase	-31.22
Mtr.34850.1.S1_s_at	Hypothetical protein	-31.20
Mtr.21257.1.S1_at	Late embryogenesis abundant protein	-31.05
Mtr.25935.1.S1_at	Auxin-induced protein 15A	-30.87
Mtr.44534.1.S1_at	Hypothetical protein	-30.77
Mtr.25652.1.S1_at	Cell-wall P4 protein	-30.74
Mtr.44640.1.S1_at	Hypothetical protein	-30.67
Mtr.8659.1.S1_s_at	Beta-galactosidase	-30.66
Msa.1549.1.S1_at	Hypothetical protein	-30.59
Mtr.43381.1.S1_at	Hypothetical protein	-30.58
Mtr.39886.1.S1_at	Hypothetical protein	-30.55
Mtr.21256.1.S1_at	Late embryogenesis abundant protein	-30.51
Mtr.5594.1.S1_at	Ca <sup>2+</sup> /H <sup>+</sup> exchanger	-30.42
Mtr.32904.1.S1_s_at	Phosphoglycerate kinase	-30.39
Mtr.7091.1.S1_at	Zinc-finger-like protein	-30.33
Mtr.47934.1.S1_at	Amino acid permease 6	-30.14
Mtr.40994.1.S1_at	ABC transporter	-30.01
Mtr.24189.1.S1_s_at	Fatty acid desaturase	-29.99
Mtr.10982.1.S1_at	Serine/threonine-specific protein kinase	-29.94
Mtr.32479.1.S1_at	Phosphoribosylaminoimidazolecarboxamide formyltransferase	-29.80
Msa.1550.1.S1_at	Hypothetical protein	-29.62
Mtr.28616.1.S1_at	ABC transporter	-29.32
Msa.1096.1.S1_at	Hypothetical protein	-29.29
Mtr.44488.1.S1_at	Hypothetical protein	-29.27
Mtr.49062.1.S1_at	Heat shock protein DnaJ	-29.26
Mtr.22140.1.S1_at	Glycosyltransferase	-29.18
Mtr.36794.1.S1_at	Hypothetical protein	-28.91
Mtr.39379.1.S1_at	Amino acid permease 6	-28.89



Mtr.9354.1.S1_at	ADP-glucose pyrophosphorylase	-28.78
Msa.3176.1.S1_at	Hypothetical protein	-28.68
Mtr.12305.1.S1_at	Chlorophyll a/b-binding protein CP24	-28.57
Mtr.37297.1.S1_at	Plastidic aldolase	-28.55
Mtr.51080.1.S1_at	Phospholipid/glycerol acyltransferase	-28.45
Mtr.9187.1.S1_at	Hypothetical protein	-28.45
Mtr.6517.1.S1_at	Flavonoid 3'-hydroxylase	-28.45
Mtr.33577.1.S1_at	Starch branching enzyme I	-28.39
Mtr.37529.1.S1_at	Magnesium chelatase	-28.38
Mtr.14782.1.S1_at	Isopenicillin N synthase	-28.29
Mtr.32687.1.S1_at	Hypothetical protein	-28.26
Mtr.27626.1.S1_s_at	Hypothetical protein	-28.23
Mtr.10566.1.S1_at	Hypothetical protein	-28.18
Mtr.36871.1.S1_at	Calcium-dependent protein kinase	-28.16
Mtr.6753.1.S1_at	Hypothetical protein	-28.11
Mtr.3123.1.S1_at	Hypothetical protein	-28.10
Mtr.25935.1.S1_x_at	Auxin-induced protein 15A	-28.10
Mtr.42339.1.S1_at	Hypothetical protein	-28.00
Mtr.10377.1.S1_s_at	Hypothetical protein	-27.96
Mtr.41746.1.S1_at	DnaJ domain protein	-27.95
Mtr.20948.1.S1_s_at	Membrane located receptor-like protein	-27.91
Mtr.37632.1.S1_at	Tetrapyrrole-binding protein	-27.88
Mtr.33008.1.S1_at	Hypothetical protein	-27.88
Mtr.9780.1.S1_at	Subtilisin-like protease	-27.59
Mtr.38920.1.S1_s_at	NFU3 protein	-27.47
Mtr.28243.1.S1_at	Hypothetical protein	-27.47
Mtr.22013.1.S1_s_at	Peroxiredoxin Q	-27.32
Mtr.9248.1.S1_at	Hypothetical protein	-27.27
Mtr.10927.1.S1_at	Regulator of chromosome condensation-like protein	-27.20
Mtr.34779.1.S1_at	GDSL-motif lipase/hydrolase	-27.13
Mtr.34481.1.S1_at	Abnormal spindle-like protein	-27.01
Mtr.1392.1.S1_s_at	Hypothetical protein	-26.95
Mtr.4580.1.S1_at	ABC transporter	-26.86
Mtr.12026.1.S1_at	Hypothetical protein	-26.81
Mtr.38370.1.S1_s_at	Hypothetical protein	-26.65
Mtr.42567.1.S1_at	Phantastica transcription factor	-26.62
Mtr.34852.1.S1_at	Raucaffricine-O-beta-D-glucosidase	-26.59
Mtr.31792.1.S1_at	Hypothetical protein	-26.59
Mtr.41363.1.S1_at	Immunophilin / FKBP-type peptidyl-prolyl cis-trans isomerase	-26.59
Mtr.43702.1.S1_s_at	Thylakoid luminal protein	-26.43
Mtr.20149.1.S1_at	Hypothetical protein	-26.36
Mtr.26958.1.S1_at	Hypothetical protein	-26.36
Mtr.11283.1.S1_at	Hypothetical protein	-26.36
Mtr.18579.1.S1_at	Myb, DNA-binding	-26.23
Mtr.37883.1.S1_at	Hypothetical protein	-26.15
Mtr.9564.1.S1_at	FKBP like protein	-26.07
Mtr.35826.1.S1_at	Hypothetical protein	-26.05
Mtr.51510.1.S1_at	Hypothetical protein	-25.96
Mtr.11963.1.S1_s_at	Sulphate transporter	-25.91
Mtr.17316.1.S1_at	Generic methyltransferase	-25.87
Mtr.40462.1.S1_at	Hypothetical protein	-25.85
Mtr.4339.1.S1_at	Hypothetical protein	-25.76
Msa.2685.1.S1_at	Hypothetical protein	-25.69
Mtr.32990.1.S1_at	Non-phototropic hypocotyl-like protein	-25.48

Mtr.18023.1.S1_at	Ferredoxin	-25.44
Mtr.4947.1.S1_at	Cytochrome P-450	-25.23
Mtr.38433.1.S1_at	Hypothetical protein	-25.22
Mtr.31215.1.S1_s_at	Hypothetical protein	-25.11
Mtr.44109.1.S1_at	Nitrate transporter	-25.08
Mtr.8637.1.S1_at	Hypothetical protein	-25.08
Mtr.33061.1.S1_at	Hypothetical protein	-25.01
Mtr.14083.1.S1_at	Hypothetical protein	-24.96
Mtr.10840.1.S1_at	Hypothetical protein	-24.76
Mtr.33659.1.S1_at	Hypothetical protein	-24.74
Mtr.2101.1.S1_at	Hypothetical protein	-24.72
Mtr.40092.1.S1_at	Dehydroascorbate reductase	-24.68
Mtr.39747.1.S1_at	UDP-glucose:flavonoid 3-O-glucosyltransferase	-24.62
Mtr.41722.1.S1_at	Hypothetical protein	-24.53
Mtr.21118.1.S1_at	Hypothetical protein	-24.53
Mtr.34490.1.S1_at	Hypothetical protein	-24.45
Mtr.43480.1.S1_at	Hypothetical protein	-24.44
Mtr.36842.1.S1_s_at	Nodulin 26-like protein	-24.34
Mtr.27626.1.S1_at	Hypothetical protein	-24.30
Mtr.11236.1.S1_at	UDP-glucosyltransferase	-24.30
Mtr.12445.1.S1_at	Hypothetical protein	-24.25
Mtr.49762.1.S1_at	Elongation factor g	-24.22
Mtr.42596.1.S1_at	LLS1-like protein	-24.20
Mtr.48257.1.S1_at	Hypothetical protein	-24.20
Msa.2533.1.S1_at	Hypothetical protein	-24.07
Mtr.22279.1.S1_at	Hypothetical protein	-24.05
Mtr.33696.1.S1_at	4-coumarate-CoA ligase	-24.05
Mtr.49764.1.S1_at	Auxin Efflux Carrier	-24.04
Mtr.10013.1.S1_at	Hypothetical protein	-23.71
Mtr.37608.1.S1_at	Hypothetical protein	-23.67
Mtr.42925.1.S1_s_at	Ribulose biphosphate carboxylase/oxygenase activase	-23.66
Mtr.49641.1.S1_at	Hypothetical protein	-23.63
Mtr.42918.1.S1_at	Protein disulfide isomerase	-23.60
Mtr.37228.1.S1_at	UDP-glycose:flavonoid glycosyltransferase	-23.59
Mtr.34693.1.S1_at	Hypothetical protein	-23.55
Mtr.44580.1.S1_at	Hypothetical protein	-23.53
Mtr.31791.1.S1_at	Hypothetical protein	-23.51
Mtr.38366.1.S1_at	Hypothetical protein	-23.42
Mtr.13968.1.S1_at	GH3-like protein	-23.35
Mtr.49839.1.S1_x_at	Hypothetical protein	-23.31
Mtr.31754.1.S1_x_at	Isoflavonoid glucosyltransferase	-23.30
Mtr.5651.1.S1_at	Hypothetical protein	-23.25
Mtr.13096.1.S1_at	Hypothetical protein	-23.25
Mtr.46159.1.S1_at	bZIP transcription factor	-23.08
Mtr.10441.1.S1_at	mRNA-binding protein	-22.77
Mtr.5310.1.S1_s_at	Light harvesting protein	-22.74
Mtr.33489.1.S1_at	ABC transporter	-22.72
Mtr.13817.1.S1_at	AX110P-like protein	-22.68
Mtr.32665.1.S1_s_at	Myo-inositol-1-phosphate synthase	-22.62
Mtr.41073.1.S1_at	FPF1 protein	-22.60
Mtr.31754.1.S1_at	Isoflavonoid glucosyltransferase	-22.47
Mtr.33723.1.S1_at	Hypothetical protein	-22.43
Mtr.18406.1.S1_at	Hypothetical protein	-22.41
Mtr.35838.1.S1_at	Nitrate transporter	-22.35

Mtr.13203.1.S1_at	Thylakoid luminal 29.8 kDa protein	-22.32
Mtr.12202.1.S1_at	Ribulose 1,5-bisphosphate carboxylase small subunit	-22.28
Mtr.41275.1.S1_at	Kinesin-like protein	-22.11
Mtr.13996.1.S1_at	Hypothetical protein	-22.02
Mtr.11271.1.S1_at	Hypothetical protein	-22.00
Mtr.48595.1.S1_at	Hypothetical protein	-21.99
Mtr.2073.1.S1_at	Copper/topa quinone amine oxidase	-21.96
Mtr.37662.1.S1_at	Proline-rich family protein	-21.92
Msa.1254.1.S1_at	Hypothetical protein	-21.83
Mtr.29089.1.S1_s_at	Peroxidase	-21.76
Mtr.27575.1.S1_at	Nitrate transporter	-21.68
Mtr.13401.1.S1_at	Hypothetical protein	-21.60
Mtr.37245.1.S1_at	Chlorophyll a-b binding protein	-21.59
Mtr.30739.1.S1_s_at	Hypothetical protein	-21.59
Mtr.10828.1.S1_at	Glucosyltransferase-13	-21.58
Mtr.40632.1.S1_at	Hypothetical protein	-21.53
Mtr.19937.1.S1_at	Elongation factor G	-21.49
Mtr.13356.1.S1_at	Allene oxide cyclase C4	-21.46
Mtr.34625.1.S1_at	Cytochrome P450 71A6	-21.44
Mtr.26786.1.S1_at	Hypothetical protein	-21.27
Mtr.12295.1.S1_at	Inorganic pyrophosphatase-like protein	-21.22
Mtr.42609.1.S1_at	Hypothetical protein	-21.18
Mtr.32336.1.S1_at	Cytochrome P450 71A21	-21.15
Mtr.2893.1.S1_at	Hypothetical protein	-21.15
Mtr.45559.1.S1_at	ARK2 product/receptor-like serine/threonine protein kinase	-21.08
Mtr.36690.1.S1_at	GH3-like protein	-21.06
Mtr.25285.1.S1_at	Symbiotic ammonium transporter	-21.05
Mtr.50822.1.S1_x_at	Chlorophyll A-B binding protein	-21.00
Mtr.21054.1.S1_at	Mitochondrial transcription termination factor	-20.92
Mtr.5804.1.S1_at	Hypothetical protein	-20.90
Mtr.37286.1.S1_at	Furostanol glycoside 26-O-beta-glucosidase	-20.87
Msa.1688.1.S1_at	Hypothetical protein	-20.87
Mtr.12909.1.S1_at	Hypothetical protein	-20.76
Mtr.12056.1.S1_s_at	Cytochrome P450	-20.76
Mtr.47958.1.S1_at	Hypothetical protein	-20.72
Mtr.43727.1.S1_s_at	Squalene monooxygenase 1	-20.70
Mtr.48892.1.S1_at	Hypothetical protein	-20.70
Msa.3166.1.S1_at	Hypothetical protein	-20.68
Msa.3115.1.S1_at	Hypothetical protein	-20.64
Mtr.14704.1.S1_at	Carbamoyl-phosphate synthase	-20.61
Mtr.43628.1.S1_at	Isoflavonoid glucosyltransferase	-20.59
Mtr.27854.1.S1_at	NADP-dependent oxidoreductase P1	-20.55
Mtr.40691.1.S1_at	Lipoxygenase	-20.46
Mtr.46540.1.S1_at	CP12	-20.42
Mtr.27388.1.S1_s_at	Rubisco activase	-20.39
Mtr.11326.1.S1_at	Leaf senescence protein	-20.38
Mtr.43610.1.S1_at	Hypothetical protein	-20.31
Mtr.13324.1.S1_at	Hypothetical protein	-20.30
Mtr.11477.1.S1_at	PsbP protein	-20.28
Mtr.15413.1.S1_at	Haloacid dehalogenase	-20.25
Mtr.6743.1.S1_at	2-oxoglutarate/malate translocator	-20.22
Mtr.10946.1.S1_at	Hypothetical protein	-20.21
Mtr.15285.1.S1_at	Myo-inositol-1-phosphate synthase	-20.20
Msa.1916.1.S1_at	Hypothetical protein	-20.20

Mtr.38371.1.S1_at	Hypothetical protein	-20.18
Msa.1822.1.S1_at	Hypothetical protein	-20.13
Mtr.24508.1.S1_at	Hypothetical protein	-20.10
Mtr.21535.1.S1_at	Serine/threonine protein kinase	-20.04
Mtr.44312.1.S1_at	Hypothetical protein	-20.03
Mtr.43075.1.S1_at	Cyanogenic Beta-Glucosidase	-20.01
Msa.3042.1.S1_s_at	Hypothetical protein	-20.00
Mtr.20943.1.S1_at	Serine/threonine protein kinase	-19.91
Mtr.21006.1.S1_at	Hypothetical protein	-19.84
Mtr.27619.1.S1_at	Hypothetical protein	-19.82
Mtr.32939.1.S1_at	Hypothetical protein	-19.81
Mtr.18997.1.S1_at	Zn-finger, Dof type	-19.81
Mtr.47158.1.S1_s_at	Hypothetical protein	-19.67
Mtr.6714.1.S1_at	Hypothetical protein	-19.66
Mtr.3942.1.S1_at	Hypothetical protein	-19.51
Mtr.41693.1.S1_at	CND41, chloroplast nucleoid DNA binding protein	-19.41
Mtr.20116.1.S1_s_at	Hypothetical protein	-19.39
Mtr.51059.1.S1_x_at	E-class P450	-19.37
Mtr.37042.1.S1_at	Hypothetical protein	-19.36
Mtr.5369.1.S1_at	Nitrate transporter	-19.33
Mtr.48723.1.S1_at	Hypothetical protein	-19.32
Mtr.14762.1.S1_at	Flavoprotein monooxygenase	-19.32
Mtr.11295.1.S1_at	Transport protein	-19.31
Msa.1384.1.S1_at	Hypothetical protein	-19.31
Mtr.45060.1.S1_at	Salt-tolerance protein	-19.25
Mtr.40788.1.S1_at	Hypothetical protein	-19.10
Mtr.11524.1.S1_at	Hypothetical protein	-19.00
Mtr.38923.1.S1_at	Cytoplasmic intermediate filament protein	-18.93
Mtr.20727.1.S1_at	Aldehyde dehydrogenase	-18.91
Mtr.13781.1.S1_at	Hypothetical protein	-18.85
Mtr.43375.1.S1_at	Hypothetical protein	-18.84
Mtr.35200.1.S1_at	Elongation factor 1 alpha	-18.84
Mtr.38889.1.S1_at	Metacaspase 3	-18.81
Mtr.22257.1.S1_s_at	Hypothetical protein	-18.78
Mtr.5368.1.S1_at	Chlorophyll a/b-binding protein	-18.77
Mtr.6033.1.S1_at	Peroxidase	-18.77
Mtr.32922.1.S1_at	Amino acid transporter	-18.76
Mtr.10844.1.S1_at	Peroxiredoxin Q	-18.72
Mtr.14906.1.S1_at	Major intrinsic protein	-18.69
Mtr.5621.1.S1_at	Hypothetical protein	-18.65
Mtr.44339.1.S1_at	Hypothetical protein	-18.64
Mtr.12060.1.S1_at	Annexin	-18.62
Mtr.24823.1.S1_at	Hypothetical protein	-18.55
Mtr.28742.1.S1_at	Very-long-chain fatty acid condensing enzyme CUT1	-18.50
Mtr.14011.1.S1_at	Hypothetical protein	-18.46
Mtr.8269.1.S1_at	Hypothetical protein	-18.43
Mtr.6693.1.S1_s_at	NFU3 protein	-18.42
Mtr.20846.1.S1_at	MtN3 and saliva related transmembrane protein	-18.36
Mtr.8426.1.S1_at	Chlorophyll a/b binding protein	-18.30
Mtr.7085.1.S1_at	Fatty acid elongase	-18.28
Mtr.40597.1.S1_at	Seed maturation protein	-18.27
Mtr.32162.1.S1_at	Hypothetical protein	-18.25
Mtr.51345.1.S1_at	Hypothetical protein	-18.25
Mtr.45678.1.S1_at	SAM (and some other nucleotide) binding protein	-18.24

Mtr.3259.1.S1_at	Hypothetical protein	-18.24
Mtr.20033.1.S1_at	Hypothetical protein	-18.23
Mtr.12900.1.S1_at	Iron reductase	-18.21
Mtr.13434.1.S1_at	Peroxisomal membrane protein	-18.19
Mtr.48150.1.S1_s_at	Hypothetical protein	-18.17
Mtr.42753.1.S1_at	Hypothetical protein	-18.09
Mtr.38087.1.S1_at	Hyoscyamine 6 beta-hydroxylase	-18.06
Mtr.37623.1.S1_at	3-beta-hydroxysteroiddehydrogenase	-18.03
Mtr.31606.1.S1_at	Phosphoethanolamine N-methyltransferase	-18.03
Mtr.43709.1.S1_at	Starch synthase isoform SS III	-17.99
Mtr.14112.1.S1_s_at	PAP fibrillin	-17.94
Mtr.45561.1.S1_at	4-coumarate-CoA ligase	-17.94
Msa.1863.1.S1_at	Hypothetical protein	-17.92
Mtr.37210.1.S1_at	Chlorophyll a-b binding protein	-17.91
Msa.2778.1.S1_at	Hypothetical protein	-17.85
Mtr.43044.1.S1_at	NADP-dependent glyceraldehyde-3-phosphate dehydrogenase	-17.85
Mtr.45032.1.S1_at	Squalene epoxidase	-17.82
Mtr.12543.1.S1_at	Early nodulin-like protein 2	-17.81
Mtr.5960.1.S1_s_at	Hypothetical protein	-17.80
Mtr.6752.1.S1_at	10 kDa photosystem II polypeptide	-17.77
Mtr.27132.1.S1_s_at	Histidine-containing phosphotransfer protein	-17.77
Mtr.14592.1.S1_at	Peroxidase	-17.76
Mtr.9624.1.S1_at	ABC transporter	-17.76
Mtr.13248.1.S1_at	Protein kinase	-17.70
Mtr.39379.1.S1_s_at	Amino acid permease 6	-17.64
Mtr.42369.1.S1_at	Hypothetical protein	-17.62
Mtr.6709.1.S1_at	Hypothetical protein	-17.57
Mtr.35044.1.S1_at	Nine-cis-epoxycarotenoid dioxygenase2	-17.55
Msa.3147.1.S1_at	Hypothetical protein	-17.54
Mtr.44975.1.S1_at	ABC transporter	-17.51
Mtr.40755.1.S1_at	ERD7 protein	-17.50
Mtr.11302.1.S1_at	Glycosyl hydrolase	-17.47
Msa.1086.1.S1_at	Hypothetical protein	-17.47
Msa.941.1.S1_at	Hypothetical protein	-17.44
Mtr.40667.1.S1_at	Abscisic acid-induced-like protein	-17.43
Mtr.49516.1.S1_at	Gigantea protein	-17.43
Mtr.5570.1.S1_at	Plasma membrane sulphate transporter	-17.41
Mtr.10464.1.S1_at	Phosphoribulokinase	-17.38
Mtr.27878.1.S1_at	Isoflavone reductase	-17.33
Mtr.41919.1.S1_s_at	Hypothetical protein	-17.32
Mtr.49786.1.S1_x_at	Glycosyl hydrolases	-17.31
Mtr.39126.1.S1_at	Hypothetical protein	-17.30
Mtr.24883.1.S1_at	Hypothetical protein	-17.29
Mtr.33459.1.S1_at	Hypothetical protein	-17.26
Mtr.13143.1.S1_at	Starch synthase isoform SS III	-17.25
Mtr.4983.1.S1_at	Hypothetical protein	-17.25
Mtr.20386.1.S1_s_at	Hemopexin	-17.25
Mtr.10630.1.S1_at	Nonspecific lipid-transfer protein 2	-17.21
Mtr.9205.1.S1_at	Hypothetical protein	-17.19
Mtr.12964.1.S1_at	Hypothetical protein	-17.17
Mtr.11503.1.S1_at	Cold acclimation protein	-17.17
Mtr.5418.1.S1_at	Magnesium transporter	-17.13
Mtr.7842.1.S1_at	Hypothetical protein	-17.09
Mtr.21616.1.S1_at	Hypothetical protein	-17.02

Mtr.10289.1.S1_at	SANT/MYB domain protein	-17.00
Mtr.38165.1.S1_at	Serine/threonine protein kinase	-16.99
Msa.1809.1.S1_at	Hypothetical protein	-16.99
Mtr.14527.1.S1_at	Hypothetical protein	-16.98
Msa.1732.1.S1_at	Hypothetical protein	-16.94
Mtr.12736.1.S1_at	Hypothetical protein	-16.93
Mtr.29086.1.S1_at	Hypothetical protein	-16.92
Mtr.7389.1.S1_at	Yippee-like protein	-16.89
Mtr.48146.1.S1_s_at	Boron transporter	-16.89
Mtr.20226.1.S1_at	UDP-glucuronosyl/UDP-glucosyltransferase	-16.79
Mtr.12624.1.S1_at	ABC1 family protein	-16.78
Mtr.11536.1.S1_at	SOS2-like protein kinase PKS3	-16.76
Mtr.42075.1.S1_at	Cytochrome P450	-16.72
Mtr.43919.1.S1_at	Two-component response regulator-like APRR7	-16.71
Mtr.37463.1.S1_at	CesA2	-16.69
Mtr.49774.1.S1_at	Auxin responsive SAUR	-16.68
Mtr.43683.1.S1_at	Protein phosphatase 2C	-16.67
Mtr.12722.1.S1_at	Hypothetical protein	-16.65
Mtr.45292.1.S1_at	Hypothetical protein	-16.63
Mtr.37624.1.S1_s_at	3-beta-hydroxysteroiddehydrogenase	-16.60
Mtr.4029.1.S1_at	CTF2A	-16.59
Mtr.26473.1.S1_at	Isoamylase	-16.56
Mtr.8811.1.S1_at	Hypothetical protein	-16.55
Msa.3135.1.S1_at	Hypothetical protein	-16.54
Mtr.10192.1.S1_at	DREB-like protein	-16.53
Mtr.43701.1.S1_at	Thylakoid lumenal protein	-16.50
Msa.2424.1.S1_at	Hypothetical protein	-16.49
Mtr.9467.1.S1_at	Glutaredoxin	-16.48
Mtr.29595.1.S1_at	Hypothetical protein	-16.48
Mtr.20847.1.S1_at	MtN3 and saliva related transmembrane protein	-16.46
Mtr.25633.1.S1_at	2-Cys peroxiredoxin	-16.46
Mtr.46511.1.S1_at	Alpha/beta-amyrin synthase	-16.46
Mtr.50822.1.S1_at	Chlorophyll A-B binding protein	-16.45
Mtr.41759.1.S1_at	Rac GTPase activating protein	-16.43
Mtr.12720.1.S1_at	Lipoxygenase	-16.43
Mtr.16791.1.S1_s_at	Thylakoid lumen protein	-16.42
Mtr.39712.1.S1_at	Rac GTPase activating protein 3	-16.39
Mtr.51399.1.S1_at	Hypothetical protein	-16.31
Mtr.5490.1.S1_at	Hypothetical protein	-16.27
Mtr.6744.1.S1_at	Hypothetical protein	-16.22
Mtr.38438.1.S1_at	APG1	-16.16
Mtr.5325.1.S1_at	Hypothetical protein	-16.12
Mtr.250.1.S1_at	Hypothetical protein	-16.04
Mtr.34428.1.S1_s_at	Glyceraldehyde-3-phosphate dehydrogenase B	-16.03
Mtr.33622.1.S1_at	Dehydration-responsive family protein	-15.99
Mtr.5305.1.S1_at	Cytochrome P450	-15.94
Mtr.4339.1.S1_s_at	Hypothetical protein	-15.82
Mtr.39266.1.S1_at	Cation diffusion facilitator 9	-15.80
Mtr.41681.1.S1_at	Phosphoglycerate kinase	-15.78
Mtr.2200.1.S1_at	Hypothetical protein	-15.77
Mtr.10992.1.S1_at	Arabinogalactan protein-like protein	-15.71
Mtr.40866.1.S1_at	Hydrolase-like protein	-15.71
Mtr.19622.1.S1_s_at	Hypothetical protein	-15.67
Mtr.6878.1.S1_s_at	Hypothetical protein	-15.67

Mtr.44856.1.S1_at	Beta-amylase	-15.64
Mtr.11662.1.S1_at	Hypothetical protein	-15.63
Mtr.20298.1.S1_at	Hypothetical protein	-15.60
Mtr.13958.1.S1_at	Beta-amylase	-15.59
Mtr.41129.1.S1_s_at	Hypothetical protein	-15.58
Mtr.47933.1.S1_at	Amino acid transporter	-15.47
Mtr.6877.1.S1_at	Drought responsive element binding protein	-15.45
Mtr.32662.1.S1_at	Beta-amylase	-15.45
Msa.3182.1.S1_at	Hypothetical protein	-15.44
Mtr.27885.1.S1_s_at	Hypothetical protein	-15.40
Mtr.17489.1.S1_at	Hypothetical protein	-15.39
Mtr.48925.1.S1_at	Hypothetical protein	-15.38
Mtr.42178.1.S1_at	Starch synthase I	-15.38
Mtr.32351.1.S1_s_at	Hypothetical protein	-15.36
Mtr.50516.1.S1_at	Deoxyribodipyrimidine photolyase	-15.36
Mtr.10972.1.S1_at	Hypothetical protein	-15.35
Mtr.33019.1.S1_at	Hypothetical protein	-15.35
Mtr.23337.1.S1_at	Nonphototrophic hypocotyl 1b	-15.31
Mtr.43994.1.S1_at	Hypothetical protein	-15.30
Mtr.32213.1.S1_at	Nitrite transport protein	-15.28
Mtr.9137.1.S1_at	Hypothetical protein	-15.25
Mtr.40706.1.S1_s_at	ADP-glucose pyrophosphorylase large subunit	-15.25
Msa.928.1.S1_at	Hypothetical protein	-15.24
Mtr.37245.1.S1_s_at	Chlorophyll a-b binding protein	-15.23
Mtr.46001.1.S1_s_at	Hypothetical protein	-15.22
Mtr.39718.1.S1_at	Hypothetical protein	-15.20
Msa.1749.1.S1_at	Hypothetical protein	-15.20
Mtr.13595.1.S1_at	Lecithine cholesterol acyltransferase	-15.17
Mtr.34717.1.S1_at	Disease resistance response protein	-15.15
Mtr.38722.1.S1_at	Hypothetical protein	-15.10
Mtr.52116.1.S1_at	Glyceraldehyde 3-phosphate dehydrogenase	-15.09
Mtr.9257.1.S1_at	Starch synthase I	-15.04
Mtr.38471.1.S1_at	Ring finger protein	-15.03
Mtr.27471.1.S1_s_at	Hypothetical protein	-15.02
Mtr.19806.1.S1_at	Hypothetical protein	-15.01
Mtr.42830.1.S1_at	Hypothetical protein	-15.01
Mtr.43077.1.S1_at	Hypothetical protein	-15.00
Mtr.27892.1.S1_at	Hypothetical protein	-14.99
Mtr.11888.1.S1_at	Aldehyde dehydrogenase	-14.97
Mtr.8418.1.S1_s_at	Xylulose kinase	-14.95
Mtr.44199.1.S1_at	Hypothetical protein	-14.95
Mtr.17318.1.S1_at	Magnesium-protoporphyrin IX monomethyl ester aerobic oxidative cyclase	-14.90
Mtr.6738.1.S1_at	Receptor-like protein kinase	-14.88
Mtr.2103.1.S1_at	Hypothetical protein	-14.87
Mtr.51819.1.S1_at	Streptomyces cyclase/dehydrase	-14.87
Mtr.43503.1.S1_at	Hypothetical protein	-14.85
Mtr.40981.1.S1_at	Cellulose synthase	-14.83
Mtr.51040.1.S1_s_at	Cytochrome b-245	-14.78
Msa.1095.1.S1_at	Hypothetical protein	-14.76
Msa.2842.1.S1_at	Hypothetical protein	-14.74
Mtr.21762.1.S1_s_at	Hypothetical protein	-14.72
Mtr.8572.1.S1_at	Thaumatococcus-like protein	-14.68
Mtr.37731.1.S1_at	PWWP domain protein	-14.66
Mtr.43197.1.S1_at	Hypothetical protein	-14.64

Mtr.10206.1.S1_at	Pentatricopeptide (PPR) repeat-containing protein	-14.63
Mtr.8362.1.S1_at	Hypothetical protein	-14.62
Mtr.43744.1.S1_at	Hypothetical protein	-14.62
Mtr.32865.1.S1_at	Hypothetical protein	-14.59
Mtr.43509.1.S1_at	Cyclic-AMP-dependent transcription factor ATF-5	-14.57
Mtr.34610.1.S1_at	Hypothetical protein	-14.49
Mtr.51216.1.S1_s_at	Homeodomain-like	-14.49
Mtr.12422.1.S1_at	Ferredoxin-dependent glutamate synthase	-14.47
Mtr.14435.1.S1_at	Calcium-binding EF-hand protein	-14.47
Msa.1642.1.S1_at	Hypothetical protein	-14.44
Msa.1363.1.S1_at	Hypothetical protein	-14.39
Mtr.13442.1.S1_at	Hypothetical protein	-14.39
Msa.2278.1.S1_at	Hypothetical protein	-14.34
Mtr.8591.1.S1_at	Hypothetical protein	-14.33
Msa.2800.1.S1_at	Hypothetical protein	-14.30
Msa.1743.1.S1_at	Hypothetical protein	-14.27
Mtr.33666.1.S1_at	Hypothetical protein	-14.26
Mtr.6070.1.S1_at	Histidine kinase	-14.26
Mtr.10593.1.S1_at	Allene oxide cyclase	-14.25
Mtr.10857.1.S1_at	MOLYBDENUM COFACTOR BIOSYNTHESIS PROTEIN C	-14.24
Mtr.18705.1.S1_at	Peptidase C1A	-14.22
Mtr.2960.1.S1_at	Magnesium transporter	-14.18
Msa.2629.1.S1_at	Hypothetical protein	-14.16
Mtr.40587.1.S1_at	Glyoxalase	-14.16
Mtr.51216.1.S1_at	Homeodomain-like	-14.15
Mtr.11387.1.S1_at	Hypothetical protein	-14.13
Mtr.12414.1.S1_at	Apospory-associated protein C	-14.10
Mtr.42854.1.S1_at	Thioredoxin m	-14.07
Msa.2953.1.S1_at	Hypothetical protein	-14.07
Mtr.40697.1.S1_at	Putativepod-specific dehydrogenase	-14.02
Mtr.15310.1.S1_at	Fatty acid desaturase	-14.01
Mtr.38798.1.S1_at	Hypothetical protein	-14.00
Mtr.42587.1.S1_at	Heat shock transcription factor	-13.99
Mtr.32682.1.S1_at	Leucyl aminopeptidase	-13.96
Mtr.21718.1.S1_at	Leucine-rich repeat	-13.94
Mtr.24048.1.S1_at	Hypothetical protein	-13.93
Mtr.13592.1.S1_at	Photomorphogenesis repressor protein	-13.90
Mtr.50001.1.S1_s_at	Glutamate synthase	-13.89
Mtr.41906.1.S1_at	Expansin-related protein 1	-13.88
Mtr.12842.1.S1_at	Hypothetical protein	-13.88
Mtr.2675.1.S1_s_at	Transporter-like protein	-13.88
Msa.1760.1.S1_at	Hypothetical protein	-13.86
Mtr.13567.1.S1_at	Hypothetical protein	-13.86
Mtr.27621.1.S1_at	Hypothetical protein	-13.86
Mtr.20201.1.S1_at	Na <sup>+</sup> /H <sup>+</sup> antiporter-like protein	-13.79
Mtr.5468.1.S1_at	Hypothetical protein	-13.76
Mtr.48866.1.S1_at	Hypothetical protein	-13.74
Mtr.27399.1.S1_at	Small basic membrane integral protein	-13.74
Mtr.41751.1.S1_at	Hypothetical protein	-13.71
Mtr.8900.1.S1_at	Hypothetical protein	-13.71
Mtr.7468.1.S1_at	10 kDa photosystem II polypeptide	-13.66
Mtr.39011.1.S1_at	Auxin-binding protein	-13.64
Mtr.22781.1.S1_at	Photosystem I-N subunit	-13.60
Mtr.30778.1.S1_at	Hypothetical protein	-13.60



Mtr.8207.1.S1_at	Hypothetical protein	-13.59
Mtr.20763.1.S1_s_at	ATP sulfurylase	-13.56
Mtr.37808.1.S1_at	Hypothetical protein	-13.56
Msa.2939.1.S1_at	Hypothetical protein	-13.55
Mtr.2477.1.S1_at	Hypothetical protein	-13.54
Mtr.11734.1.S1_at	Sulfate transporter	-13.54
Mtr.38432.1.S1_at	Temperature stress-induced lipocalin	-13.53
Mtr.27648.1.S1_at	Hypothetical protein	-13.51
Mtr.34177.1.S1_at	Hypothetical protein	-13.47
Mtr.41840.1.S1_at	Cation diffusion facilitator 10	-13.46
Mtr.44755.1.S1_at	LRR-like protein	-13.46
Mtr.36454.1.S1_at	Hypothetical protein	-13.43
Mtr.13959.1.S1_at	SHOOT1 protein	-13.42
Mtr.13851.1.S1_at	Hypothetical protein	-13.40
Msa.1853.1.S1_at	Hypothetical protein	-13.40
Msa.3048.1.S1_at	Hypothetical protein	-13.37
Mtr.9402.1.S1_at	Aldehyde dehydrogenase	-13.36
Mtr.22897.1.S1_s_at	Polygalacturonase	-13.31
Mtr.41070.1.S1_at	Hypothetical protein	-13.30
Msa.1943.1.S1_at	Hypothetical protein	-13.28
Mtr.25313.1.S1_at	Hypothetical protein	-13.27
Mtr.34902.1.S1_s_at	Phosphoenolpyruvate carboxylase	-13.27
Mtr.32681.1.S1_at	Hypothetical protein	-13.25
Msa.1101.1.S1_at	Hypothetical protein	-13.23
Mtr.50758.1.S1_at	Rubredoxin-type Fe(Cys) <sub>4</sub> protein	-13.22
Mtr.14524.1.S1_at	Glucose/ribitol dehydrogenase	-13.21
Mtr.39530.1.S1_at	Hypothetical protein	-13.19
Mtr.43807.1.S1_at	Hypothetical protein	-13.17
Mtr.12949.1.S1_at	MURF2 protein	-13.17
Mtr.34703.1.S1_at	Hypothetical protein	-13.15
Mtr.42595.1.S1_at	Hypothetical protein	-13.15
Mtr.15310.1.S1_s_at	Fatty acid desaturase	-13.13
Mtr.6729.1.S1_at	Hypothetical protein	-13.12
Mtr.13134.1.S1_at	ABC1-like protein	-13.09
Mtr.43522.1.S1_at	Plastid-lipid associated protein PAP	-13.06
Mtr.15051.1.S1_s_at	Hypothetical protein	-13.01
Mtr.7544.1.S1_at	Isoflavonoid glucosyltransferase	-12.98
Mtr.20473.1.S1_at	Hypothetical protein	-12.98
Mtr.2086.1.S1_at	Hypothetical protein	-12.98
Mtr.42735.1.S1_at	Hypothetical protein	-12.95
Mtr.12899.1.S1_s_at	Hypothetical protein	-12.95
Mtr.39235.1.S1_at	Hypothetical protein	-12.94
Msa.1787.1.S1_at	Hypothetical protein	-12.94
Mtr.41132.1.S1_at	Hypothetical protein	-12.90
Mtr.13901.1.S1_at	Hypothetical protein	-12.87
Mtr.25013.1.S1_at	2'-hydroxy isoflavone/dihydroflavonol reductase	-12.87
Mtr.11921.1.S1_at	Thylakoid lumen protein	-12.87
Mtr.47369.1.S1_s_at	ABC transporter	-12.86
Mtr.38850.1.S1_at	Hypothetical protein	-12.83
Mtr.43215.1.S1_at	Hypothetical protein	-12.80
Mtr.35794.1.S1_at	Myo-inositol 1-phosphate synthase	-12.77
Mtr.45379.1.S1_at	Hypothetical protein	-12.76
Mtr.40162.1.S1_at	Reversibly glycosylated protein	-12.67
Mtr.42070.1.S1_at	Geminivirus replication protein-interacting protein	-12.66

Mtr.32657.1.S1_s_at	Beta-amylase	-12.60
Mtr.7993.1.S1_s_at	Glyceraldehyde-3-phosphate dehydrogenase	-12.60
Mtr.33484.1.S1_s_at	Hypothetical protein	-12.58
Mtr.29551.1.S1_at	Hypothetical protein	-12.53
Mtr.34799.1.S1_at	Hypothetical protein	-12.53
Mtr.23672.1.S1_at	51 kDa seed maturation protein	-12.53
Mtr.11548.1.S1_at	Starch synthase isoform SS III	-12.52
Mtr.27875.1.S1_at	ABC1	-12.48
Mtr.45376.1.S1_at	Nitrite transporter	-12.47
Mtr.32317.1.S1_s_at	Phototropin	-12.45
Mtr.33044.1.S1_s_at	Hypothetical protein	-12.44
Mtr.39964.1.S1_s_at	Hypothetical protein	-12.41
Msa.1191.1.S1_at	Hypothetical protein	-12.36
Mtr.42897.1.S1_at	Ycf23 protein	-12.34
Mtr.51053.1.S1_at	Hypothetical protein	-12.33
Mtr.27132.1.S1_at	Histidine-containing phosphotransfer protein	-12.31
Mtr.9728.1.S1_at	Hypothetical protein	-12.29
Mtr.12300.1.S1_at	Aminotransferase 2	-12.29
Mtr.39715.1.S1_at	Isopiperitenone reductase	-12.28
Mtr.44703.1.S1_at	Hypothetical protein	-12.27
Mtr.42112.1.S1_at	Hypothetical protein	-12.25
Mtr.36999.1.S1_at	Photomorphogenesis repressor protein	-12.22
Mtr.11736.1.S1_at	Aquaporin NIP-type	-12.21
Mtr.6362.1.S1_at	Aminopeptidase 2	-12.21
Mtr.44317.1.S1_at	ApaG protein	-12.19
Mtr.47226.1.S1_at	CBL-interacting protein kinase 1	-12.19
Mtr.12821.1.S1_s_at	Phosphoglucomutase	-12.18
Mtr.42019.1.S1_at	ClpB heat shock protein	-12.15
Mtr.18614.1.S1_at	Hypothetical protein	-12.14
Msa.1348.1.S1_at	Hypothetical protein	-12.09
Mtr.28079.1.S1_at	Hypothetical protein	-12.07
Mtr.43282.1.S1_at	2,7,4'-trihydroxyisoflavanone 4'-O-methyltransferase	-12.07
Mtr.38676.1.S1_at	Methyltransferase	-12.04
Mtr.12421.1.S1_at	Hypothetical protein	-12.03
Mtr.9582.1.S1_at	Glycogen(starch) synthase isoform II	-12.02
Mtr.15109.1.S1_s_at	Hypothetical protein	-12.02
Mtr.21518.1.S1_at	Cytochrome P450	-12.00
Mtr.15459.1.S1_at	Major intrinsic protein	-12.00
Mtr.5783.1.S1_at	Flavin containing monooxygenase 3	-11.99
Mtr.29826.1.S1_at	Hypothetical protein	-11.99
Mtr.41162.1.S1_at	Hypothetical protein	-11.98
Mtr.33004.1.S1_at	Hypothetical protein	-11.94
Mtr.2703.1.S1_at	Hypothetical protein	-11.91
Mtr.8575.1.S1_at	Glucosyltransferase-13	-11.91
Mtr.11791.1.S1_at	Hypothetical protein	-11.89
Msa.2771.1.S1_at	Hypothetical protein	-11.89
Mtr.44986.1.S1_at	Acytransferase	-11.86
Mtr.10952.1.S1_at	Sulfate adenyllyltransferase	-11.86
Mtr.33891.1.S1_at	Hypothetical protein	-11.85
Mtr.38356.1.S1_s_at	Hypothetical protein	-11.84
Mtr.5039.1.S1_at	Receptor protein	-11.80
Mtr.8715.1.S1_at	UDP-glucose glucosyltransferase	-11.79
Mtr.50874.1.S1_at	Hypothetical protein	-11.78
Mtr.34694.1.S1_at	Hypothetical protein	-11.77

Mtr.13898.1.S1_at	GPI-anchored protein	-11.77
Mtr.43527.1.S1_at	Hypothetical protein	-11.77
Mtr.34745.1.S1_at	Thylakoid lumenal 17.9 kDa protein	-11.76
Mtr.11073.1.S1_at	Short-chain dehydrogenase Tic32	-11.74
Mtr.18086.1.S1_at	RNA-directed DNA polymerase	-11.74
Mtr.21518.1.S1_s_at	Cytochrome P450	-11.73
Mtr.15420.1.S1_at	ABC transporter	-11.73
Mtr.44535.1.S1_at	ClpB heat shock protein	-11.73
Mtr.31456.1.S1_at	FRO1 and FRO2-like protein	-11.72
Mtr.33495.1.S1_at	Hypothetical protein	-11.71
Mtr.44539.1.S1_at	Ent-kaurenoic acid oxidase	-11.69
Mtr.1231.1.S1_s_at	Omega-6 fatty acid desaturase	-11.68
Sme.4919.1.S1_at	Hypothetical protein	-11.67
Mtr.47857.1.S1_at	Beta-amylase	-11.64
Mtr.44674.1.S1_at	Phytochrome A supressor spa1	-11.64
Msa.3133.1.S1_at	Hypothetical protein	-11.63
Mtr.51074.1.S1_at	Inorganic pyrophosphatase	-11.62
Mtr.8670.1.S1_at	Hypothetical protein	-11.62
Mtr.13080.1.S1_at	Hypothetical protein	-11.59
Mtr.33700.1.S1_at	CAX	-11.54
Mtr.41816.1.S1_at	Hypothetical protein	-11.49
Mtr.41407.1.S1_at	Hypothetical protein	-11.49
Mtr.24085.1.S1_at	Hypothetical protein	-11.49
Mtr.35444.1.S1_at	Oxygen evolving complex protein	-11.47
Mtr.5648.1.S1_s_at	Enhanced disease susceptibility 5	-11.47
Mtr.43833.1.S1_at	Hypothetical protein	-11.45
Mtr.28597.1.S1_at	Hypothetical protein	-11.45
Mtr.38250.1.S1_at	Hypothetical protein	-11.44
Mtr.8954.1.S1_at	Hypothetical protein	-11.44
Msa.1239.1.S1_at	Hypothetical protein	-11.43
Mtr.26941.1.S1_at	Hypothetical protein	-11.43
Mtr.12401.1.S1_s_at	Myb-related transcription factor MYB59	-11.43
Mtr.10301.1.S1_s_at	18S ribosomal RNA	-11.41
Msa.2667.1.S1_at	Hypothetical protein	-11.41
Mtr.51445.1.S1_x_at	Hypothetical protein	-11.38
Mtr.24591.1.S1_at	Hypothetical protein	-11.37
Mtr.8517.1.S1_at	Mannitol dehydrogenase	-11.31
Mtr.13436.1.S1_at	Nodule-enhanced protein phosphatase type 2C	-11.28
Mtr.17305.1.S1_at	Peptidase S4	-11.28
Mtr.40393.1.S1_s_at	MYB transcription factor	-11.28
Mtr.19422.1.S1_at	ParB-like nuclease	-11.28
Mtr.40232.1.S1_at	Geranylgeranyl hydrogenase	-11.27
Mtr.45404.1.S1_at	Glycine/D-amino acid oxidases	-11.26
Msa.2585.1.S1_at	Hypothetical protein	-11.24
Mtr.44131.1.S1_at	Hypothetical protein	-11.24
Msa.1080.1.S1_at	Hypothetical protein	-11.21
Mtr.41859.1.S1_at	FRO1 and FRO2-like protein	-11.20
Mtr.40391.1.S1_at	Hypothetical protein	-11.19
Mtr.2712.1.S1_at	Cyclin delta-3	-11.14
Mtr.46740.1.S1_at	Hypothetical protein	-11.12
Mtr.1814.1.S1_at	RING-H2 zinc finger protein	-11.11
Mtr.32128.1.S1_at	Hypothetical protein	-11.10
Mtr.10889.1.S1_at	Hypothetical protein	-11.09
Mtr.28238.1.S1_at	Subtilisin-like protease	-11.07

Mtr.43899.1.S1_at	Hydrolase	-11.06
Mtr.27410.1.S1_at	Hypothetical protein	-11.05
Mtr.18604.1.S1_at	Hypothetical protein	-11.02
Mtr.42306.1.S1_at	Hypothetical protein	-11.00
Mtr.17068.1.S1_at	WD-40 repeat protein	-10.99
Mtr.26042.1.S1_at	Hypothetical protein	-10.99
Mtr.7850.1.S1_s_at	Thaumatococcus-like protein	-10.98
Msa.1854.1.S1_at	Hypothetical protein	-10.97
Mtr.41565.1.S1_s_at	Hypothetical protein	-10.96
Mtr.39017.1.S1_at	Hypothetical protein	-10.96
Mtr.43350.1.S1_at	Hypothetical protein	-10.95
Mtr.39302.1.S1_at	Translation initiation factor IF-2	-10.95
Mtr.37780.1.S1_at	Alpha-glucan phosphorylase	-10.92
Mtr.9416.1.S1_at	Protease sppA	-10.92
Mtr.13420.1.S1_at	Selenium-binding protein	-10.90
Msa.981.1.S1_at	Hypothetical protein	-10.89
Mtr.8917.1.S1_at	Dehydrogenase	-10.89
Mtr.47901.1.S1_x_at	Glyceraldehyde-3-phosphate dehydrogenase A	-10.87
Mtr.13606.1.S1_at	Hypothetical protein	-10.87
Mtr.37855.1.S1_at	MAP kinase (Ser/Thr kinase)	-10.84
Mtr.13975.1.S1_at	Ycf23 protein	-10.83
Mtr.43498.1.S1_at	Hypothetical protein	-10.83
Mtr.19562.1.S1_at	Zn-finger, RING	-10.82
Mtr.20515.1.S1_at	Ferrochelatase	-10.81
Mtr.17600.1.S1_at	Protein kinase	-10.74
Mtr.25983.1.S1_s_at	Pectinesterase	-10.74
Mtr.46001.1.S1_at	Hypothetical protein	-10.73
Mtr.45397.1.S1_at	Ankyrin repeat-like protein	-10.73
Mtr.6746.1.S1_s_at	LEM3 (Ligand-effect modulator 3)	-10.72
Mtr.8402.1.S1_at	Hypothetical protein	-10.72
Mtr.18769.1.S1_at	Homeobox	-10.71
Mtr.27870.1.S1_at	Hypothetical protein	-10.71
Msa.2712.1.S1_at	Hypothetical protein	-10.69
Mtr.20822.1.S1_at	Hypothetical protein	-10.66
Mtr.39251.1.S1_at	Translation initiation factor IF-2	-10.66
Msa.935.1.S1_at	Hypothetical protein	-10.66
Mtr.35254.1.S1_at	Short chain dehydrogenase/reductase	-10.65
Msa.2885.1.S1_at	Hypothetical protein	-10.65
Mtr.22693.1.S1_s_at	Hypothetical protein	-10.64
Mtr.39104.1.S1_at	Xylulose kinase like protein	-10.63
Mtr.39425.1.S1_s_at	ATP-sulfurylase	-10.61
Mtr.45511.1.S1_at	Histidine kinase	-10.59
Mtr.9262.1.S1_at	Hsc70 protein	-10.59
Mtr.41614.1.S1_at	Hypothetical protein	-10.59
Mtr.47283.1.S1_at	Hypothetical protein	-10.58
Mtr.7832.1.S1_at	Hypothetical protein	-10.58
Mtr.8773.1.S1_s_at	Poly(A) polymerase	-10.57
Mtr.11556.1.S1_at	Carbohydrate oxidase	-10.57
Mtr.5135.1.S1_at	Protein kinase family	-10.55
Mtr.38712.1.S1_at	Hypothetical protein	-10.54
Mtr.39370.1.S1_at	Hypothetical protein	-10.54
Mtr.39821.1.S1_at	Membrane transporter	-10.53
Msa.1471.1.S1_at	Hypothetical protein	-10.52
Mtr.51258.1.S1_at	Annexin	-10.51

Mtr.11001.1.S1_at	Hypothetical protein	-10.50
Mtr.11129.1.S1_at	Hypothetical protein	-10.47
Mtr.41918.1.S1_at	Hypothetical protein	-10.47
Mtr.42982.1.S1_at	Carbonic anhydrase	-10.46
Mtr.22814.1.S1_at	Hypothetical protein	-10.46
Mtr.30958.1.S1_at	Hypothetical protein	-10.46
Mtr.12236.1.S1_at	Bundle sheath defective protein 2	-10.45
Mtr.34178.1.S1_s_at	Hypothetical protein	-10.44
Mtr.33532.1.S1_at	Kinesin heavy chain	-10.44
Mtr.47901.1.S1_at	Glyceraldehyde-3-phosphate dehydrogenase A	-10.44
Mtr.33889.1.S1_at	CER1 protein	-10.41
Mtr.15109.1.S1_at	Hypothetical protein	-10.40
Mtr.41157.1.S1_at	RAC-like GTP binding protein RAC13	-10.39
Msa.1850.1.S1_at	Hypothetical protein	-10.39
Mtr.42315.1.S1_at	Starch synthase isoform	-10.37
Mtr.28644.1.S1_at	Cytokinin receptor	-10.36
Mtr.45729.1.S1_s_at	ATP sulfurylase-related protein	-10.36
Mtr.32983.1.S1_at	Protein kinase	-10.35
Mtr.11495.1.S1_at	Steroid 5alpha-reductase-like protein	-10.34
Msa.1143.1.S1_s_at	Hypothetical protein	-10.33
Mtr.40710.1.S1_at	Malate dehydrogenase	-10.32
Mtr.11816.1.S1_at	Hypothetical protein	-10.31
Mtr.19992.1.S1_at	Phytochrome kinase substrate 1	-10.30
Mtr.47158.1.S1_at	Hypothetical protein	-10.27
Mtr.38724.1.S1_at	Hypothetical protein	-10.26
Mtr.42033.1.S1_at	Hypothetical protein	-10.25
Mtr.45039.1.S1_at	Peptidylprolyl isomerase	-10.25
Mtr.9046.1.S1_at	GAST1	-10.23
Mtr.38550.1.S1_at	Subtilisin-like proteinase	-10.23
Mtr.6551.1.S1_at	Hypothetical protein	-10.21
Mtr.16188.1.S1_at	Hypothetical protein	-10.19
Mtr.40683.1.S1_at	Photosystem II protein W-like protein	-10.19
Mtr.13054.1.S1_at	Wall-associated kinase	-10.17
Mtr.11332.1.S1_at	Hypothetical protein	-10.16
Mtr.41622.1.S1_at	Hypothetical protein	-10.16
Mtr.928.1.S1_at	Hypothetical protein	-10.15
Mtr.22603.1.S1_at	Glyceraldehyde-3-phosphate dehydrogenase A	-10.14
Mtr.37807.1.S1_at	Transporter	-10.12
Mtr.42265.1.S1_at	Transmembrane protein kinase	-10.12
Mtr.13393.1.S1_at	Hypothetical protein	-10.12
Mtr.11744.1.S1_at	Hypothetical protein	-10.12
Mtr.37345.1.S1_at	Subtilisin-like protease	-10.11
Mtr.9192.1.S1_at	Disease resistance protein	-10.11
Mtr.5655.1.S1_s_at	ADP-glucose pyrophosphorylase large subunit	-10.10
Mtr.39352.1.S1_at	Hypothetical protein	-10.10
Mtr.13330.1.S1_at	Hypothetical protein	-10.09
Msa.1307.1.S1_at	Hypothetical protein	-10.07
Mtr.20579.1.S1_at	Hypothetical protein	-10.06
Mtr.43627.1.S1_at	Hypothetical protein	-10.05
Mtr.34708.1.S1_at	Sulfolipid synthase	-10.04
Mtr.17233.1.S1_at	Hypothetical protein	-10.04
Mtr.12382.1.S1_at	Hypothetical protein	-10.04
Mtr.37550.1.S1_at	4-alpha-glucanotransferase	-10.04
Mtr.8588.1.S1_at	Hypothetical protein	-10.04

Mtr.48945.1.S1_s_at	Ferrochelatase	-10.02
Mtr.12448.1.S1_at	IAA-Ala hydrolase (IAR3)	-10.01
Mtr.18105.1.S1_at	Phosphoglycerate kinase	-10.00
Mtr.48351.1.S1_at	Proteinase inhibitor 20	-9.99
Msa.3102.1.S1_at	Hypothetical protein	-9.98
Mtr.44611.1.S1_at	Hypothetical protein	-9.98
Mtr.38403.1.S1_at	Thylakoid lumenal 25.6 kDa protein	-9.95
Mtr.7197.1.S1_at	Inositol 1,3,4-trisphosphate 5/6-kinase	-9.95
Mtr.50016.1.S1_at	Hypothetical protein	-9.94
Mtr.634.1.S1_at	Hypothetical protein	-9.91
Mtr.51188.1.S1_at	Glycine hydroxymethyltransferase	-9.87
Mtr.13458.1.S1_at	3(2),5-BISPHOSPHATE NUCLEOTIDASE	-9.87
Mtr.6728.1.S1_at	Cytochrome P-450	-9.86
Msa.3143.1.S1_at	Hypothetical protein	-9.86
Mtr.43359.1.S1_at	Phytochelatin synthetase	-9.81
Mtr.44198.1.S1_at	Hypothetical protein	-9.81
Mtr.40204.1.S1_at	Aldehyde dehydrogenase 1	-9.80
Mtr.9437.1.S1_at	Hypothetical protein	-9.80
Mtr.42210.1.S1_s_at	Two-component response regulator-like APRR3	-9.79
Mtr.42509.1.S1_at	Hypothetical protein	-9.79
Mtr.41265.1.S1_at	Glutathione S-transferase GST 10	-9.77
Mtr.11668.1.S1_at	Hypothetical protein	-9.76
Mtr.14453.1.S1_at	Rhodanese-like protein	-9.75
Mtr.40872.1.S1_at	Hypothetical protein	-9.74
Mtr.43762.1.S1_at	Hypothetical protein	-9.74
Mtr.19208.1.S1_at	Zn-finger, RING	-9.73
Mtr.47369.1.S1_at	ABC transporter	-9.73
Mtr.51423.1.S1_at	Sugar transporter	-9.72
Mtr.45551.1.S1_at	Hypothetical protein	-9.70
Mtr.16202.1.S1_at	Esterase/lipase/thioesterase	-9.69
Mtr.28675.1.S1_at	Polygalacturonase	-9.69
Mtr.9742.1.S1_at	Geminivirus replication protein-interacting protein	-9.69
Mtr.6694.1.S1_at	Na/Ca,K-exchanger-like protein	-9.68
Mtr.40926.1.S1_at	Thioredoxin-like protein	-9.65
Mtr.42672.1.S1_at	Hypothetical protein	-9.65
Mtr.44653.1.S1_at	Myb-related transcription activator	-9.65
Mtr.9686.1.S1_at	Beta-1,3-glucanase	-9.64
Mtr.36140.1.S1_at	Phosphoenolpyruvate carboxylase	-9.63
Mtr.12493.1.S1_at	Hypothetical protein	-9.63
Mtr.12821.1.S1_at	Phosphoglucomutase	-9.62
Msa.960.1.S1_at	Hypothetical protein	-9.61
Mtr.50122.1.S1_at	Hypothetical protein	-9.60
Mtr.25494.1.S1_at	Galactinol synthase	-9.59
Mtr.33572.1.S1_at	Glucose transporter	-9.56
Mtr.25331.1.S1_at	Glutamate receptor	-9.56
Mtr.43335.1.S1_at	4-coumarate:coenzyme A ligase	-9.55
Mtr.32947.1.S1_at	Hypothetical protein	-9.55
Mtr.4716.1.S1_at	Nitrite transport protein	-9.52
Mtr.12259.1.S1_at	Rubisco activase	-9.51
Mtr.13021.1.S1_at	Lustrin A-like protein	-9.48
Mtr.13843.1.S1_at	Hypothetical protein	-9.46
Mtr.39782.1.S1_at	Ppib protein	-9.44
Mtr.38392.1.S1_at	ClpB heat shock protein	-9.44
Mtr.38458.1.S1_at	FKBP-type peptidyl-prolyl cis-trans isomerase 2	-9.41

Mtr.12582.1.S1_at	Hypothetical protein	-9.41
Mtr.52214.1.S1_at	Hypothetical protein	-9.41
Mtr.46292.1.S1_at	Malate dehydrogenase	-9.40
Mtr.40392.1.S1_s_at	Circadian clock associated1	-9.40
Mtr.25945.1.S1_at	Myb-related	-9.39
Msa.1495.1.S1_at	Hypothetical protein	-9.36
Mtr.38080.1.S1_at	Hypothetical protein	-9.35
Mtr.525.1.S1_at	Hypothetical protein	-9.35
Mtr.33476.1.S1_at	Receptor protein kinase	-9.35
Msa.1805.1.S1_at	Hypothetical protein	-9.34
Mtr.33861.1.S1_at	Hypothetical protein	-9.33
Mtr.32529.1.S1_at	Transcription factor	-9.33
Mtr.8683.1.S1_at	Phosphoenolpyruvate carboxylase	-9.32
Mtr.49583.1.S1_at	Glycoside hydrolase	-9.31
Msa.2871.1.S1_at	Hypothetical protein	-9.31
Mtr.14312.1.S1_at	Hypothetical protein	-9.30
Mtr.7160.1.S1_at	ABC transporter	-9.28
Mtr.15414.1.S1_at	Hypothetical protein	-9.28
Mtr.12770.1.S1_at	Phosphoglucomutase	-9.27
Mtr.36889.1.S1_s_at	NIP3	-9.27
Mtr.8557.1.S1_s_at	MtN5 protein	-9.25
Mtr.30196.1.S1_at	S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase	-9.25
Mtr.37643.1.S1_at	NADP-dependent oxidoreductase P2	-9.23
Mtr.19310.1.S1_s_at	N-acetyl-gamma-glutamyl-phosphate reductase	-9.23
Mtr.27359.1.S1_at	Isoleucyl-tRNA synthetase	-9.23
Mtr.20397.1.S1_at	Amidase, hydantoinase/carbamoylase	-9.22
Mtr.45068.1.S1_at	Hypothetical protein	-9.22
Mtr.41202.1.S1_at	Hypothetical protein	-9.21
Mtr.45179.1.S1_at	Malate dehydrogenase	-9.21
Mtr.43181.1.S1_at	Thiamine biosynthesis protein	-9.20
Mtr.6132.1.S1_s_at	Subtilisin-like protein protease	-9.17
Mtr.15811.1.S1_at	Hypothetical protein	-9.16
Mtr.6059.1.S1_at	basic Helix Loop Helix protein	-9.16
Mtr.15585.1.S1_at	Copper/Zinc superoxide dismutase	-9.14
Mtr.35945.1.S1_at	UDP-glycose:flavonoid glycosyltransferase	-9.13
Mtr.32638.1.S1_s_at	Hypothetical protein	-9.13
Mtr.20946.1.S1_at	Serine/threonine protein kinase	-9.12
Mtr.48272.1.S1_at	Glycine dehydrogenase	-9.12
Mtr.37552.1.S1_at	RNA- or ssDNA-binding protein	-9.11
Mtr.33674.1.S1_s_at	Glutamyl-tRNA reductase 1	-9.10
Mtr.33011.1.S1_at	Copper transport protein	-9.09
Mtr.10088.1.S1_at	Hypothetical protein	-9.09
Mtr.32723.1.S1_at	Formiminotransferase-cyclodeaminase	-9.08
Msa.3192.1.S1_at	Hypothetical protein	-9.07
Mtr.49256.1.S1_at	Hypothetical protein	-9.07
Msa.3102.1.S1_x_at	Hypothetical protein	-9.06
Mtr.6869.1.S1_s_at	Glutamate receptor 3.6	-9.06
Mtr.22897.1.S1_at	Polygalacturonase	-9.06
Mtr.34700.1.S1_at	Tryptophan synthase beta chain 1	-9.05
Mtr.47706.1.S1_at	Myb family transcription factor	-9.04
Msa.1665.1.S1_at	Hypothetical protein	-9.04
Mtr.37839.1.S1_at	[4Fe-4S] cluster assembly factor	-9.03
Mtr.42261.1.S1_at	Rubisco activase	-9.02
Mtr.5714.1.S1_at	Hypothetical protein	-9.00

Mtr.26801.1.S1_a_at	Hypothetical protein	-9.00
Mtr.49274.1.S1_at	Cupredoxin	-8.99
Msa.989.1.S1_s_at	Hypothetical protein	-8.98
Mtr.3071.1.S1_at	Starch synthase	-8.98
Mtr.40160.1.S1_s_at	Pyrroline-5-carboxylate reductase	-8.97
Mtr.27055.1.S1_s_at	Plastid RNA polymerase	-8.97
Mtr.39530.1.S1_s_at	Hypothetical protein	-8.96
Mtr.46957.1.S1_at	Hypothetical protein	-8.94
Mtr.41940.1.S1_at	Hypothetical protein	-8.94
Msa.985.1.S1_at	Hypothetical protein	-8.93
Mtr.41447.1.S1_at	Hypothetical protein	-8.93
Mtr.8133.1.S1_at	Hypothetical protein	-8.92
Mtr.40620.1.S1_at	Hypothetical protein	-8.92
Mtr.929.1.S1_s_at	Hypothetical protein	-8.91
Mtr.46511.1.S1_x_at	Alpha/beta-amyrin synthase	-8.90
Mtr.40963.1.S1_at	En/Spm-like transposon protein	-8.90
Msa.1377.1.S1_at	Hypothetical protein	-8.90
Mtr.1268.1.S1_at	Hypothetical protein	-8.89
Mtr.20646.1.S1_s_at	Glucose/ribitol dehydrogenase	-8.88
Mtr.12358.1.S1_at	Seed maturation protein LEA 4	-8.87
Mtr.37298.1.S1_at	Cytochrome P450	-8.84
Msa.2727.1.S1_at	Hypothetical protein	-8.83
Mtr.25367.1.S1_at	12-oxophytodienoic acid 10, 11-reductase	-8.80
Mtr.2077.1.S1_at	Hypothetical protein	-8.80
Mtr.3805.1.S1_at	Laccase	-8.78
Mtr.41958.1.S1_at	Hypothetical protein	-8.78
Msa.2888.1.S1_at	Hypothetical protein	-8.77
Mtr.28817.1.S1_at	Hypothetical protein	-8.77
Msa.2550.1.S1_at	Hypothetical protein	-8.76
Msa.2653.1.S1_at	Hypothetical protein	-8.75
Mtr.10039.1.S1_at	Hypothetical protein	-8.75
Mtr.9876.1.S1_at	Nuclear transcription factor Y	-8.74
Mtr.41868.1.S1_at	Tryptophan synthase beta chain 1	-8.74
Mtr.48721.1.S1_at	Cytochrome c	-8.73
Msa.1910.1.S1_at	Hypothetical protein	-8.72
Mtr.28166.1.S1_s_at	Dihydrolipoamide Dehydrogenase	-8.72
Mtr.35488.1.S1_at	Hypothetical protein	-8.72
Mtr.12308.1.S1_at	Photosystem I reaction center subunit psaK	-8.69
Mtr.25657.1.S1_at	Cell-wall P4 protein	-8.69
Mtr.9418.1.S1_s_at	Pathogenesis-related protein	-8.69
Mtr.35142.1.S1_at	Hypothetical protein	-8.66
Mtr.41702.1.S1_at	Hypothetical protein	-8.65
Mtr.15561.1.S1_at	GCN5-related N-acetyltransferase	-8.64
Mtr.40734.1.S1_at	Glucosyltransferase-14	-8.63
Msa.1297.1.S1_at	Hypothetical protein	-8.63
Mtr.19267.1.S1_at	Photosystem I protein PsdD	-8.61
Mtr.47977.1.S1_at	Nodule-specific protein	-8.61
Mtr.6717.1.S1_at	Acyl-activating enzyme 14	-8.60
Mtr.6746.1.S1_at	LEM3 (Ligand-effect modulator 3)	-8.59
Mtr.52053.1.S1_at	Ribosomal protein L35	-8.57
Mtr.6869.1.S1_at	Glutamate receptor 3.6	-8.56
Mtr.48911.1.S1_at	Short-chain dehydrogenase/reductase	-8.56
Mtr.27223.1.S1_s_at	Hypothetical protein	-8.54
Mtr.52150.1.S1_at	UTP--glucose-1-phosphate uridylyltransferase	-8.53



Mtr.1885.1.S1_at	Symbiotic ammonium transporter	-8.53
Mtr.24793.1.S1_at	Blight resistance protein RGA1	-8.53
Mtr.12273.1.S1_s_at	Ribulose 1,5-bisphosphate carboxylase small subunit	-8.52
Mtr.44543.1.S1_at	Transmembrane transport protein	-8.52
Mtr.41590.1.S1_at	Hypothetical protein	-8.51
Mtr.9534.1.S1_at	Hypothetical protein	-8.51
Mtr.37898.1.S1_at	Short-chain dehydrogenase Tic32	-8.49
Mtr.43727.1.S1_at	Squalene monooxygenase 1	-8.49
Mtr.10393.1.S1_at	Thiamin biosynthetic enzyme	-8.47
Mtr.11416.1.S1_at	HMG-box transcription factor 3	-8.46
Mtr.6733.1.S1_at	Rhomboid family protein	-8.46
Mtr.11529.1.S1_at	SOUL heme-binding protein	-8.46
Mtr.41414.1.S1_at	Hypothetical protein	-8.45
Mtr.47452.1.S1_at	Isoflavone 2'-hydroxylase	-8.44
Mtr.6155.1.S1_at	Protein kinase	-8.44
Mtr.3858.1.S1_at	Leucoanthocyanidin dioxygenase	-8.42
Msa.1069.1.S1_at	Hypothetical protein	-8.42
Mtr.40761.1.S1_at	50S ribosomal protein L11	-8.42
Msa.1655.1.S1_at	Hypothetical protein	-8.41
Mtr.40799.1.S1_at	Subtilisin-like protease	-8.41
Mtr.32760.1.S1_at	Hypothetical protein	-8.41
Msa.3120.1.S1_at	Hypothetical protein	-8.40
Mtr.34741.1.S1_at	3(2),5-BISPHOSPHATE NUCLEOTIDASE	-8.39
Mtr.40514.1.S1_at	Ultraviolet-B-repressible protein	-8.38
Mtr.42164.1.S1_at	Hypothetical protein	-8.38
Mtr.38984.1.S1_at	Hypothetical protein	-8.36
Mtr.39735.1.S1_at	Hypothetical protein	-8.36
Mtr.27111.1.S1_at	GTPase engC protein 1	-8.35
Mtr.42914.1.S1_x_at	Ribulose 1,5-bisphosphate carboxylase small subunit	-8.34
Msa.2847.1.S1_at	Hypothetical protein	-8.33
Mtr.8772.1.S1_at	Poly(A) polymerase	-8.32
Mtr.9162.1.S1_at	Carboxypeptidase type III	-8.32
Mtr.16226.1.S1_at	Serine/threonine protein kinase	-8.30
Msa.1349.1.S1_at	Hypothetical protein	-8.30
Mtr.33765.1.S1_s_at	Hypothetical protein	-8.30
Mtr.20818.1.S1_at	Xylulose kinase	-8.30
Mtr.40347.1.S1_at	Omega-3 fatty acid desaturase	-8.29
Mtr.33632.1.S1_s_at	Hypothetical protein	-8.29
Mtr.43393.1.S1_at	Nicotianamine synthase	-8.29
Mtr.2111.1.S1_at	Hypothetical protein	-8.28
Mtr.33426.1.S1_at	MRP-like ABC transporter	-8.27
Mtr.27827.1.S1_at	Hypothetical protein	-8.26
Mtr.7520.1.S1_at	Hypothetical protein	-8.26
Mtr.12555.1.S1_at	Alpha-glucan phosphorylase	-8.26
Mtr.50904.1.S1_at	Hypothetical protein	-8.25
Mtr.37420.1.S1_at	Glycine cleavage system H protein	-8.25
Mtr.33529.1.S1_at	Hypothetical protein	-8.24
Mtr.37749.1.S1_at	Hypothetical protein	-8.24
Mtr.34738.1.S1_s_at	Copper/zinc superoxide dismutase	-8.24
Msa.1844.1.S1_at	Hypothetical protein	-8.22
Mtr.40814.1.S1_at	Chlorophyll synthetase	-8.21
Mtr.10485.1.S1_at	Glucose-6-phosphate isomerase	-8.19
Mtr.12039.1.S1_at	Peptide transporter 1	-8.16
Mtr.24731.1.S1_at	Hypothetical protein	-8.15

Mtr.44491.1.S1_at	Hypothetical protein	-8.14
Msa.858.1.S1_at	Hypothetical protein	-8.13
Mtr.40715.1.S1_at	Mercuric reductase	-8.11
Mtr.45935.1.S1_at	Hypothetical protein	-8.10
Mtr.45384.1.S1_at	Hypothetical protein	-8.09
Mtr.20229.1.S1_at	UDP-glucose:anthocyanin 5-O-glucosyltransferase	-8.08
Mtr.4948.1.S1_at	ABC transporter	-8.08
Mtr.39387.1.S1_at	DCL protein	-8.08
Mtr.8410.1.S1_at	Sulfate transporter	-8.07
Mtr.49461.1.S1_at	Hypothetical protein	-8.07
Mtr.12374.1.S1_at	Protochlorophyllide reductase	-8.07
Mtr.40321.1.S1_at	Hydroperoxide lyase	-8.07
Mtr.29849.1.S1_at	Hypothetical protein	-8.07
Mtr.35625.1.S1_s_at	Hypothetical protein	-8.06
Mtr.32661.1.S1_at	Hypothetical protein	-8.05
Msa.1161.1.S1_at	Hypothetical protein	-8.05
Mtr.38869.1.S1_at	Hypothetical protein	-8.03
Mtr.45313.1.S1_at	Multidrug resistance-associated protein 2	-8.03
Mtr.44782.1.S1_at	Hypothetical protein	-8.03
Mtr.13059.1.S1_at	Hypothetical protein	-8.02
Mtr.17765.1.S1_at	TGF-beta receptor	-8.02
Mtr.40978.1.S1_at	Hypothetical protein	-8.01
Msa.3118.1.S1_at	Hypothetical protein	-8.00
Mtr.43060.1.S1_at	GTP-binding protein	-8.00
Mtr.12258.1.S1_at	Nonspecific lipid-transfer protein precursor (LTP)	-7.99
Mtr.41860.1.S1_at	Leucine-rich repeat receptor-like protein kinase 1	-7.98
Mtr.48501.1.S1_at	Leucine-rich repeat	-7.97
Mtr.10881.1.S1_at	Hypothetical protein	-7.97
Msa.1765.1.S1_at	Hypothetical protein	-7.95
Mtr.8920.1.S1_at	2-oxoglutarate/malate translocator	-7.94
Mtr.44760.1.S1_at	Sulfolipid synthase	-7.94
Mtr.42492.1.S1_at	Carboxylesterase-like protein	-7.92
Mtr.19934.1.S1_at	Cysteine proteinase	-7.91
Mtr.12672.1.S1_at	Cytochrome P-450LXXIA1	-7.91
Mtr.16355.1.S1_at	HSP20-like chaperone	-7.90
Mtr.9712.1.S1_at	Copper/zinc superoxide dismutase	-7.89
Mtr.43316.1.S1_at	Symbiotic ammonium transporter	-7.88
Mtr.49015.1.S1_at	Chlorophyll A-B binding protein	-7.87
Mtr.41408.1.S1_at	Hypothetical protein	-7.87
Msa.1547.1.S1_at	Hypothetical protein	-7.86
Mtr.51462.1.S1_s_at	Zn-finger, RING	-7.86
Msa.3103.1.S1_at	Hypothetical protein	-7.86
Mtr.11698.1.S1_at	Hypothetical protein	-7.85
Mtr.15871.1.S1_at	Hypothetical protein	-7.84
Mtr.49075.1.S1_at	Peptidase aspartic	-7.83
Mtr.21341.1.S1_at	Glutamyl-tRNA reductase	-7.83
Mtr.18021.1.S1_at	Hypothetical protein	-7.82
Mtr.7552.1.S1_at	Hypothetical protein	-7.80
Msa.1517.1.S1_at	Hypothetical protein	-7.80
Mtr.37322.1.S1_at	Hypothetical protein	-7.80
Mtr.5768.1.S1_at	Hypothetical protein	-7.80
Mtr.15326.1.S1_at	ABA/WDS induced protein	-7.79
Mtr.18566.1.S1_at	Pyruvate kinase	-7.79
Mtr.43018.1.S1_at	Cytochrome P450	-7.79

Mtr.6086.1.S1_s_at	Sesquiterpene cyclase	-7.78
Mtr.24929.1.S1_at	Hypothetical protein	-7.78
Mtr.16579.1.S1_x_at	Cytochrome P450	-7.77
Mtr.48959.1.S1_at	Flavoprotein pyridine nucleotide cytochrome reductase	-7.77
Mtr.41227.1.S1_at	Germacrene D synthase	-7.77
Mtr.31169.1.S1_at	Cytochrome P450	-7.76
Mtr.29995.1.S1_at	Hypothetical protein	-7.76
Mtr.9757.1.S1_at	Quinolinate phosphoribosyltransferase	-7.75
Mtr.43061.1.S1_s_at	GTP-binding protein	-7.75
Mtr.3511.1.S1_at	Anthranilate N-hydroxycinnamoyl/benzoyltransferase	-7.75
Mtr.49684.1.S1_at	UDP-glucose glucosyltransferase	-7.74
Mtr.40327.1.S1_at	ADP-glucose pyrophosphorylase	-7.74
Mtr.34803.1.S1_at	Glutathione S-conjugate transporting ATPase	-7.73
Mtr.15289.1.S1_at	Lipoxygenase	-7.73
Mtr.34390.1.S1_at	Hypothetical protein	-7.73
Mtr.27269.1.S1_at	Hypothetical protein	-7.73
Mtr.43912.1.S1_at	Hypothetical protein	-7.72
Mtr.40528.1.S1_s_at	UOS1	-7.71
Mtr.41573.1.S1_at	Double C2-like domain containing protein	-7.70
Msa.1640.1.S1_at	Hypothetical protein	-7.70
Msa.1150.1.S1_at	Hypothetical protein	-7.70
Mtr.15885.1.S1_at	Hypothetical protein	-7.70
Mtr.12260.1.S1_at	2-Cys peroxiredoxin	-7.69
Mtr.31153.1.S1_at	Hypothetical protein	-7.67
Mtr.39289.1.S1_at	Flavonoid 1-2 rhamnosyltransferase	-7.66
Mtr.33844.1.S1_s_at	Allantoinase	-7.65
Mtr.19902.1.S1_at	Isochorismate synthases	-7.64
Mtr.44672.1.S1_at	Glutathione S-transferase GST 7	-7.64
Mtr.9818.1.S1_at	Hypothetical protein	-7.63
Mtr.11082.1.S1_at	Perchloric acid soluble translation inhibitor protein	-7.62
Mtr.13744.1.S1_at	Transmembrane transport protein	-7.61
Mtr.25951.1.S1_at	Hypothetical protein	-7.60
Mtr.18790.1.S1_at	Esterase/lipase/thioesterase	-7.60
Mtr.11025.1.S1_at	Hypothetical protein	-7.59
Mtr.42279.1.S1_at	Protease Do-like 8	-7.59
Mtr.27368.1.S1_at	Hypothetical protein	-7.57
Mtr.1762.1.S1_at	Plastid RNA polymerase sigma-subunit	-7.56
Mtr.44182.1.S1_s_at	LEA protein in group 5	-7.55
Msa.1763.1.S1_at	Hypothetical protein	-7.55
Mtr.2990.1.S1_at	Metal resistance protein	-7.54
Mtr.40152.1.S1_at	Oxygen-evolving enhancer protein 2	-7.53
Mtr.26195.1.S1_at	Hypothetical protein	-7.53
Mtr.30845.1.S1_at	Nodulin-like protein	-7.53
Mtr.40730.1.S1_at	Thylakoid lumenal 16.5 kDa protein	-7.53
Mtr.38437.1.S1_at	Hypothetical protein	-7.52
Mtr.42842.1.S1_s_at	Ribulose 1,5-bisphosphate carboxylase small subunit	-7.52
Mtr.5330.1.S1_at	Serine/threonine protein kinase	-7.51
Mtr.26124.1.S1_at	Hypothetical protein	-7.50
Mtr.37166.1.S1_at	UDP-glucose:indole-3-acetate beta-D-glucosyltransferase	-7.50
Mtr.13956.1.S1_at	2-oxoglutarate/malate translocator	-7.50
Mtr.5357.1.S1_at	ABC transporter	-7.49
Mtr.38608.1.S1_at	Hypothetical protein	-7.49
Mtr.1747.1.S1_at	Hypothetical protein	-7.49
Mtr.31624.1.S1_at	Hypothetical protein	-7.48

Mtr.37792.1.S1_at	Hypothetical protein	-7.47
Mtr.6825.1.S1_at	Hypothetical protein	-7.46
Mtr.37744.1.S1_at	Rieske iron-sulfur protein	-7.46
Mtr.5404.1.S1_at	Receptor protein kinase	-7.45
Mtr.1779.1.S1_at	Hypothetical protein	-7.45
Mtr.1036.1.S1_at	Non-phototropic hypocotyl 3	-7.44
Mtr.43567.1.S1_at	Dimethylaniline monooxygenase	-7.44
Mtr.41524.1.S1_at	Sulfate transporter	-7.43
Msa.2593.1.S1_at	Hypothetical protein	-7.43
Mtr.13396.1.S1_at	Hypothetical protein	-7.43
Mtr.22277.1.S1_s_at	Hypothetical protein	-7.41
Msa.1528.1.S1_at	Hypothetical protein	-7.41
Mtr.50437.1.S1_s_at	Hypothetical protein	-7.40
Msa.3052.1.S1_at	Hypothetical protein	-7.40
Mtr.10136.1.S1_at	Hypothetical protein	-7.39
Mtr.1911.1.S1_s_at	Hypothetical protein	-7.39
Mtr.12188.1.S1_at	Hypothetical protein	-7.38
Mtr.2057.1.S1_s_at	Glutamate/malate translocator	-7.38
Mtr.9168.1.S1_at	Hypothetical protein	-7.37
Mtr.50743.1.S1_at	Hypothetical protein	-7.36
Mtr.45291.1.S1_at	Hypothetical protein	-7.36
Mtr.45562.1.S1_at	Nuclear shuttle interacting protein	-7.36
Mtr.42253.1.S1_at	Hypothetical protein	-7.35
Msa.2813.1.S1_at	Hypothetical protein	-7.35
Mtr.40869.1.S1_at	Hypothetical protein	-7.35
Mtr.49172.1.S1_at	Hypothetical protein	-7.34
Mtr.31750.1.S1_at	Sulfate transporter	-7.34
Mtr.28722.1.S1_at	Peptide transporter-like protein	-7.34
Mtr.13528.1.S1_at	Anthranilate N-hydroxycinnamoyl/benzoyltransferase	-7.34
Mtr.41106.1.S1_at	Hypothetical protein	-7.33
Msa.2963.1.S1_at	Hypothetical protein	-7.33
Mtr.45371.1.S1_at	Small signal peptidase	-7.33
Mtr.45476.1.S1_at	Metal-transporting P-type ATPase	-7.33
Msa.1766.1.S1_at	Hypothetical protein	-7.33
Mtr.34167.1.S1_at	Hypothetical protein	-7.32
Mtr.49627.1.S1_at	Hypothetical protein	-7.32
Mtr.43533.1.S1_at	Maturation polypeptide	-7.31
Mtr.8219.1.S1_at	Hypothetical protein	-7.31
Mtr.2640.1.S1_at	Pullulanase-like protein	-7.30
Mtr.37814.1.S1_at	CONSTANS-like protein	-7.30
Mtr.38747.1.S1_s_at	Sugar transporter	-7.28
Mtr.4407.1.S1_at	Transcription factor, CCAAT-binding	-7.28
Mtr.40379.1.S1_at	Leucoanthocyanidin dioxygenase	-7.27
Mtr.15484.1.S1_at	Peroxidase	-7.27
Mtr.33854.1.S1_at	Hypothetical protein	-7.27
Mtr.46061.1.S1_s_at	Dynamin GTPase effector	-7.26
Mtr.37767.1.S1_at	Hypothetical protein	-7.25
Msa.1320.1.S1_at	Hypothetical protein	-7.25
Mtr.15409.1.S1_at	Protein prenyltransferase	-7.25
Mtr.15245.1.S1_at	ABC transporter	-7.25
Mtr.12256.1.S1_at	Nonspecific lipid-transfer protein precursor (LTP)	-7.25
Mtr.51379.1.S1_at	Basic helix-loop-helix	-7.24
Mtr.48548.1.S1_at	Deoxyxylulose-5-phosphate synthase	-7.23
Msa.1062.1.S1_at	Hypothetical protein	-7.23

Mtr.17441.1.S1_at	Glycoside hydrolase	-7.21
Msa.1741.1.S1_at	Hypothetical protein	-7.20
Mtr.12602.1.S1_at	Mitogen-activated protein kinase	-7.20
Mtr.39163.1.S1_at	Hypothetical protein	-7.20
Mtr.24061.1.S1_at	Hypothetical protein	-7.20
Mtr.43091.1.S1_s_at	Seed maturation protein LEA 4	-7.20
Msa.1561.1.S1_at	Hypothetical protein	-7.20
Mtr.37745.1.S1_at	Hypothetical protein	-7.17
Mtr.9270.1.S1_at	Hypothetical protein	-7.17
Mtr.44282.1.S1_s_at	THA4 protein	-7.17
Mtr.43079.1.S1_at	Farnesyl-diphosphate farnesyltransferase	-7.17
Mtr.31623.1.S1_at	Hypothetical protein	-7.16
Mtr.40190.1.S1_at	Flowering promoting factor	-7.16
Mtr.22096.1.S1_at	EIX receptor 1	-7.15
Mtr.5844.1.S1_at	Ternary complex factor MIP1-like protein	-7.15
Mtr.20397.1.S1_s_at	Amidase, hydantoinase/carbamoylase	-7.14
Mtr.7329.1.S1_at	Ribulose-1,5-bisphosphate carboxylase small subunit	-7.14
Mtr.42820.1.S1_at	RING/C3HC4/PHD zinc finger protein	-7.14
Mtr.32860.1.S1_s_at	Hypothetical protein	-7.14
Mtr.48535.1.S1_at	Hypothetical protein	-7.13
Mtr.44533.1.S1_at	Hypothetical protein	-7.13
Mtr.39390.1.S1_at	Phosphoenolpyruvate carboxylase	-7.12
Mtr.42326.1.S1_s_at	Hypothetical protein	-7.11
Mtr.5845.1.S1_at	Hypothetical protein	-7.11
Msa.1109.1.S1_at	Hypothetical protein	-7.11
Mtr.11185.1.S1_at	SEX1	-7.10
Mtr.11562.1.S1_at	Diphosphonucleotide phosphatase 1	-7.10
Mtr.41412.1.S1_at	Thylakoid lumenal 18 kDa protein	-7.09
Mtr.30722.1.S1_at	Hypothetical protein	-7.08
Mtr.24070.1.S1_at	Plastid-lipid associated protein	-7.08
Mtr.43633.1.S1_at	Hypothetical protein	-7.08
Mtr.12063.1.S1_at	Hypothetical protein	-7.07
Mtr.11016.1.S1_at	Hypothetical protein	-7.07
Mtr.41145.1.S1_at	Peroxisomal copper-containing amine oxidase	-7.07
Mtr.2611.1.S1_at	Protein kinase	-7.06
Mtr.40149.1.S1_at	Thiazole biosynthetic enzyme	-7.06
Mtr.12725.1.S1_at	Mucin-like protein	-7.06
Mtr.11931.1.S1_at	Long chain acyl-CoA synthetase	-7.06
Mtr.47780.1.S1_at	Expansin, putative	-7.05
Mtr.12846.1.S1_at	MAP3K	-7.05
Mtr.34485.1.S1_at	Hypothetical protein	-7.05
Msa.2820.1.S1_at	Hypothetical protein	-7.05
Mtr.848.1.S1_s_at	Hypothetical protein	-7.05
Mtr.42585.1.S1_at	Hypothetical protein	-7.04
Mtr.37783.1.S1_at	Epoxide hydrolase	-7.04
Mtr.18312.1.S1_at	Hypothetical protein	-7.02
Mtr.10402.1.S1_at	Type II chlorophyll a/b binding protein from photosystem I	-7.01
Mtr.8942.1.S1_at	Desiccation protectant protein Lea14	-7.01
Mtr.6756.1.S1_at	ABC transporter	-7.00
Msa.3105.1.S1_at	Hypothetical protein	-7.00
Mtr.10207.1.S1_at	Early E3 20.6 kDa glycoprotein	-6.99
Mtr.46949.1.S1_at	Hypothetical protein	-6.98
Mtr.42902.1.S1_at	VuP5CS protein	-6.97
Mtr.35532.1.S1_at	Bg55 protein	-6.97

Mtr.9264.1.S1_at	Hypothetical protein	-6.97
Mtr.13374.1.S1_at	Protein kinase	-6.97
Mtr.49977.1.S1_at	Hypothetical protein	-6.96
Mtr.41089.1.S1_at	Hypothetical protein	-6.96
Mtr.43655.1.S1_at	Glucosyltransferase	-6.96
Mtr.15886.1.S1_at	Hypothetical protein	-6.96
Mtr.35696.1.S1_at	Hypothetical protein	-6.95
Mtr.44854.1.S1_at	Hypothetical protein	-6.94
Mtr.41481.1.S1_at	Phosphate translocator	-6.94
Mtr.40480.1.S1_at	Allantoinase	-6.94
Mtr.27314.1.S1_s_at	Heat shock transcription factor	-6.94
Mtr.13413.1.S1_at	Transporter like protein	-6.94
Mtr.18237.1.S1_at	Hypothetical protein	-6.92
Mtr.38446.1.S1_s_at	Ferredoxin-thioredoxin reductase	-6.92
Mtr.6771.1.S1_s_at	Hypothetical protein	-6.92
Mtr.50224.1.S1_s_at	FYVE/PHD zinc finger	-6.92
Mtr.31392.1.S1_s_at	Desiccation protectant protein	-6.92
Mtr.43148.1.S1_at	Myb-related transcription factor MYB59	-6.92
Mtr.33613.1.S1_at	Hypothetical protein	-6.91
Mtr.39411.1.S1_at	Sulfate transporter 3.3	-6.90
Mtr.39699.1.S1_at	Hypothetical protein	-6.89
Mtr.27055.1.S1_at	Plastid RNA polymerase	-6.88
Mtr.43037.1.S1_at	Glyoxysomal malate dehydrogenase	-6.87
Mtr.36996.1.S1_at	Hypothetical protein	-6.86
Mtr.42326.1.S1_at	Hypothetical protein	-6.85
Mtr.44150.1.S1_at	Myristoyl-acyl carrier protein thioesterase	-6.84
Mtr.37518.1.S1_at	Nodulin-like protein	-6.84
Mtr.41151.1.S1_s_at	Cer2 protein	-6.84
Mtr.33903.1.S1_s_at	GTP-binding protein	-6.84
Msa.1776.1.S1_at	Hypothetical protein	-6.83
Mtr.37624.1.S1_at	3-beta-hydroxysteroiddehydrogenase	-6.83
Mtr.12899.1.S1_at	Hypothetical protein	-6.83
Mtr.47758.1.S1_at	bHLH protein family	-6.82
Mtr.33055.1.S1_s_at	Hypothetical protein	-6.82
Mtr.14004.1.S1_at	Hypothetical protein	-6.81
Mtr.45016.1.S1_at	Hypothetical protein	-6.80
Mtr.44793.1.S1_at	Hypothetical protein	-6.80
Mtr.11186.1.S1_at	Pyruvate, phosphate dikinase	-6.80
Mtr.11829.1.S1_at	Hypothetical protein	-6.80
Mtr.12884.1.S1_at	Thioredoxin x	-6.80
Mtr.38557.1.S1_at	MAP kinase protein	-6.79
Mtr.43358.1.S1_at	Outer membrane lipoprotein	-6.79
Mtr.33417.1.S1_at	MRP-like ABC transporter	-6.79
Mtr.43087.1.S1_at	Pectin methylesterase	-6.78
Mtr.18020.1.S1_at	Hypothetical protein	-6.78
Msa.1177.1.S1_at	Hypothetical protein	-6.78
Mtr.13801.1.S1_at	Hypothetical protein	-6.78
Mtr.5313.1.S1_s_at	Hypothetical protein	-6.78
Mtr.6780.1.S1_at	Starch synthase IVb	-6.78
Mtr.12203.1.S1_at	Ribulose 1,6-bisphosphate carboxylase small subunit	-6.77
Mtr.24695.1.S1_at	NADH dehydrogenase	-6.77
Mtr.24717.1.S1_s_at	Arabinogalactan protein	-6.77
Mtr.42733.1.S1_at	Histone H1	-6.76
Mtr.10799.1.S1_at	Multi resistance protein	-6.76

Msa.2782.1.S1_at	Hypothetical protein	-6.75
Mtr.38066.1.S1_at	Cinnamyl alcohol dehydrogenase	-6.75
Msa.1744.1.S1_at	Hypothetical protein	-6.74
Msa.1508.1.S1_at	Hypothetical protein	-6.74
Mtr.34597.1.S1_s_at	Hypothetical protein	-6.74
Mtr.45956.1.S1_at	Lipase/lipoxygenase	-6.73
Mtr.8818.1.S1_at	Hypothetical protein	-6.73
Mtr.37429.1.S1_at	Cytosolic aldehyde dehydrogenase	-6.72
Msa.1808.1.S1_at	Hypothetical protein	-6.72
Mtr.42608.1.S1_at	Polysaccharide polymerase	-6.71
Mtr.44836.1.S1_at	Hypothetical protein	-6.71
Mtr.10595.1.S1_s_at	Seed maturation protein PM36	-6.70
Msa.900.1.S1_s_at	Hypothetical protein	-6.69
Mtr.34747.1.S1_at	Hypothetical protein	-6.69
Mtr.12983.1.S1_at	Isp4 like protein	-6.69
Msa.3170.1.S1_at	Hypothetical protein	-6.68
Mtr.37811.1.S1_at	Hypothetical protein	-6.68
Mtr.11408.1.S1_at	Hypothetical protein	-6.67
Mtr.6141.1.S1_s_at	Alpha-expansin	-6.66
Mtr.32580.1.S1_at	Alpha-mannosidase	-6.66
Mtr.16218.1.S1_s_at	Homeodomain-like protein	-6.65
Msa.1421.1.S1_at	Hypothetical protein	-6.64
Mtr.12779.1.S1_at	Photosystem II stability/assembly factor HCF136	-6.63
Mtr.21614.1.S1_at	Hypothetical protein	-6.63
Mtr.10685.1.S1_at	Hypothetical protein	-6.63
Mtr.29366.1.S1_at	Serine/threonine protein kinase	-6.62
Mtr.39748.1.S1_at	Hypothetical protein	-6.62
Mtr.9805.1.S1_at	Hypothetical protein	-6.61
Mtr.37156.1.S1_at	Hypothetical protein	-6.61
Mtr.11795.1.S1_at	Proline-rich protein	-6.60
Mtr.47648.1.S1_at	Hypothetical protein	-6.59
Mtr.34797.1.S1_at	Hypothetical protein	-6.59
Mtr.40422.1.S1_at	Dihydrolipoyl dehydrogenase	-6.59
Mtr.41047.1.S1_at	Hypothetical protein	-6.59
Mtr.6035.1.S1_at	UDP-glycosyltransferase 74G1	-6.58
Mtr.13053.1.S1_s_at	Uroporphyrin III methylase	-6.58
Mtr.38938.1.S1_at	Hypothetical protein	-6.58
Mtr.2641.1.S1_at	Hypothetical protein	-6.57
Msa.2926.1.S1_s_at	Hypothetical protein	-6.56
Mtr.39327.1.S1_at	Hypothetical protein	-6.56
Mtr.10011.1.S1_at	Hypothetical protein	-6.55
Mtr.31127.1.S1_s_at	ERD4 protein	-6.54
Mtr.39005.1.S1_at	Nitrate transporter	-6.53
Mtr.30134.1.S1_at	Serine carboxipeptidase	-6.52
Mtr.40443.1.S1_at	50S ribosomal protein L13	-6.51
Mtr.33027.1.S1_at	Hypothetical protein	-6.51
Mtr.24210.1.S1_at	Hypothetical protein	-6.51
Mtr.22990.1.S1_at	Receptor-like protein kinase 1	-6.50
Mtr.44017.1.S1_at	Seed maturation protein	-6.50
Mtr.49627.1.S1_x_at	Hypothetical protein	-6.50
Mtr.45049.1.S1_at	Hypothetical protein	-6.49
Mtr.9169.1.S1_at	Hypothetical protein	-6.49
Mtr.34752.1.S1_s_at	Hypothetical protein	-6.49
Mtr.44524.1.S1_at	Hypothetical protein	-6.49

Mtr.52193.1.S1_at	Glycoside hydrolase	-6.49
Mtr.33453.1.S1_at	Hypothetical protein	-6.48
Mtr.40236.1.S1_s_at	Hypothetical protein	-6.47
Mtr.21678.1.S1_at	YABBY protein	-6.47
Mtr.16894.1.S1_at	Zn-finger, CCHC type	-6.46
Mtr.50932.1.S1_at	Myb, DNA-binding;	-6.46
Msa.1072.1.S1_at	Hypothetical protein	-6.46
Msa.1845.1.S1_at	Hypothetical protein	-6.46
Mtr.18280.1.S1_at	Serine/threonine protein kinase	-6.45
Mtr.5510.1.S1_at	Hypothetical protein	-6.44
Msa.925.1.S1_at	Hypothetical protein	-6.44
Mtr.15923.1.S1_at	Peptidylprolyl isomerase, FKBP-type	-6.43
Mtr.32475.1.S1_s_at	Hypothetical protein	-6.43
Mtr.1753.1.S1_at	Hypothetical protein	-6.41
Mtr.34827.1.S1_at	Hypothetical protein	-6.41
Mtr.39433.1.S1_at	Xyloglucan endotransglucosylase/hydrolase protein	-6.41
Mtr.33894.1.S1_at	Tetracycline transporter	-6.41
Mtr.41485.1.S1_at	Dynamin-like protein	-6.41
Mtr.48197.1.S1_at	Hypothetical protein	-6.40
Mtr.43132.1.S1_at	CND41, chloroplast nucleoid DNA binding protein	-6.40
Mtr.37673.1.S1_at	Hypothetical protein	-6.39
Mtr.2078.1.S1_at	Cell death regulator	-6.39
Mtr.44745.1.S1_at	Ferredoxin	-6.38
Mtr.41314.1.S1_at	Pyruvate, phosphate dikinase	-6.38
Mtr.44090.1.S1_at	Hypothetical protein	-6.38
Mtr.28080.1.S1_at	Anthocyanin 5-aromatic acyltransferase	-6.38
Mtr.11741.1.S1_at	Hydrolase, alpha/beta fold protein	-6.37
Msa.1632.1.S1_at	Hypothetical protein	-6.37
Mtr.38033.1.S1_at	bZIP transcription factor	-6.37
Mtr.33113.1.S1_at	Hypothetical protein	-6.37
Mtr.44288.1.S1_at	Hypothetical protein	-6.36
Mtr.40991.1.S1_at	Limonoid UDP-glucosyltransferase	-6.36
Mtr.44189.1.S1_at	BEL1-related homeotic protein 14	-6.36
Mtr.33645.1.S1_at	Lipoate-protein ligase	-6.35
Mtr.6081.1.S1_at	Family II lipase EXL2	-6.35
Mtr.42445.1.S1_at	Hypothetical protein	-6.35
Mtr.37531.1.S1_at	Hypothetical protein	-6.34
Msa.3011.1.S1_at	Hypothetical protein	-6.34
Mtr.44654.1.S1_at	Hypothetical protein	-6.33
Mtr.40437.1.S1_at	ABC transporter	-6.33
Mtr.46510.1.S1_x_at	Alpha/beta-amyrin synthase	-6.32
Mtr.37274.1.S1_at	Aquaporin 2	-6.32
Mtr.30437.1.S1_at	Hypothetical protein	-6.32
Mtr.19479.1.S1_at	Glutaredoxin	-6.31
Mtr.919.1.S1_s_at	Hypothetical protein	-6.31
Msa.1122.1.S1_at	Hypothetical protein	-6.31
Mtr.50754.1.S1_at	Hypothetical protein	-6.31
Mtr.7067.1.S1_at	Beta-galactosidase	-6.30
Mtr.21261.1.S1_s_at	Multicopper oxidase	-6.29
Mtr.11208.1.S1_at	Hypothetical protein	-6.29
Mtr.8777.1.S1_at	Hypothetical protein	-6.29
Mtr.12223.1.S1_at	Hypothetical protein	-6.28
Mtr.34832.1.S1_at	Hypothetical protein	-6.27
Mtr.7873.1.S1_at	Ribonuclease HII	-6.27



Mtr.1796.1.S1_at	Hypothetical protein	-6.27
Msa.1357.1.S1_at	Hypothetical protein	-6.26
Mtr.1405.1.S1_at	Hypothetical protein	-6.26
Mtr.32024.1.S1_at	Hypothetical protein	-6.26
Mtr.22041.1.S1_at	Hypothetical protein	-6.26
Mtr.45853.1.S1_at	Esterase/lipase/thioesterase	-6.25
Mtr.45338.1.S1_at	Cytochrome P450	-6.25
Mtr.6757.1.S1_at	Thaumatococcal protein	-6.25
Mtr.34732.1.S1_at	Trehalose-6-phosphate synthase	-6.24
Mtr.40886.1.S1_at	Hypothetical protein	-6.24
Mtr.35957.1.S1_at	Germin-like protein	-6.22
Mtr.7068.1.S1_at	Threonyl-tRNA synthetase	-6.22
Mtr.26499.1.S1_at	Lateral organ boundaries (LOB) domain protein	-6.22
Mtr.15385.1.S1_at	UbiA prenyltransferase	-6.20
Mtr.10423.1.S1_at	Hypothetical protein	-6.19
Mtr.37389.1.S1_at	Triose phosphate/phosphate translocator	-6.19
Mtr.1639.1.S1_at	Hypothetical protein	-6.19
Mtr.38919.1.S1_at	Hypothetical protein	-6.18
Mtr.20794.1.S1_at	Plant lipid transfer/seed storage/trypsin-alpha amylase inhibitor	-6.18
Msa.3151.1.S1_at	Hypothetical protein	-6.17
Mtr.20801.1.S1_at	Homeodomain-like protein	-6.17
Mtr.4048.1.S1_at	Hypothetical protein	-6.17
Msa.3097.1.S1_at	Hypothetical protein	-6.16
Mtr.44620.1.S1_at	Polygalacturonase	-6.16
Mtr.13967.1.S1_at	Phosphoenolpyruvate carboxylase	-6.15
Mtr.24075.1.S1_at	Mannitol dehydrogenase	-6.14
Msa.3084.1.S1_at	Hypothetical protein	-6.13
Mtr.25648.1.S1_at	Amino acid transporter	-6.12
Mtr.8972.1.S1_at	Hypothetical protein	-6.12
Mtr.11162.1.S1_at	GTP-binding protein LepA-like protein	-6.12
Mtr.8953.1.S1_s_at	bZIP transcription factor	-6.12
Mtr.51597.1.S1_at	Hypothetical protein	-6.12
Mtr.9831.1.S1_at	Mechanosensitive ion channel domain-containing protein	-6.12
Mtr.3101.1.S1_at	Hypothetical protein	-6.11
Mtr.16311.1.S1_at	Hypothetical protein	-6.11
Mtr.35600.1.S1_at	Pyrroline-5-carboxylate reductase	-6.11
Mtr.41133.1.S1_at	Bell-like homeodomain protein 3	-6.11
Mtr.1429.1.S1_s_at	Hypothetical protein	-6.10
Mtr.43001.1.S1_at	Aminotransferase 2,	-6.10
Mtr.13575.1.S1_at	Hypothetical protein	-6.09
Mtr.34896.1.S1_at	Receptor-like protein kinase	-6.09
Mtr.11988.1.S1_at	Tryptophanyl-tRNA synthetase	-6.08
Msa.3002.1.S1_at	Hypothetical protein	-6.08
Mtr.11265.1.S1_at	Glycosyl hydrolase	-6.08
Mtr.43636.1.S1_at	Fructose-6-phosphate 2-kinase/fructose-2,6-bisphosphatase	-6.08
Mtr.11421.1.S1_at	Ripening-related protein	-6.07
Mtr.42133.1.S1_at	Protein kinase	-6.06
Mtr.41850.1.S1_at	UOS1	-6.06
Msa.3188.1.S1_at	Hypothetical protein	-6.06
Mtr.10615.1.S1_at	Cellulose synthase catalytic subunit	-6.06
Mtr.37547.1.S1_at	Hypothetical protein	-6.05
Mtr.13545.1.S1_at	Hypothetical protein	-6.05
Mtr.13979.1.S1_at	Lipid transfer protein	-6.04
Mtr.41668.1.S1_at	Ribulose-bisphosphate carboxylase activase large isoform protein	-6.04

Mtr.41251.1.S1_at	Hypothetical protein	-6.03
Msa.1523.1.S1_at	Hypothetical protein	-6.03
Msa.2534.1.S1_at	Hypothetical protein	-6.02
Mtr.46448.1.S1_s_at	Hypothetical protein	-6.02
Msa.1434.1.S1_at	Hypothetical protein	-6.02
Mtr.30692.1.S1_at	Receptor-protein kinase	-6.01
Mtr.11739.1.S1_s_at	Homogentisate phytylprenyltransferase	-5.99
Mtr.39943.1.S1_at	Hypothetical protein	-5.99
Mtr.40676.1.S1_at	CND41, chloroplast nucleoid DNA binding protein	-5.99
Mtr.51925.1.S1_at	Hypothetical protein	-5.98
Mtr.44020.1.S1_at	Brn1-like protein	-5.98
Mtr.10648.1.S1_at	UOS1	-5.97
Mtr.40473.1.S1_at	Lipid transfer protein	-5.97
Mtr.5586.1.S1_s_at	Beta-carotene hydroxylase	-5.97
Msa.3148.1.S1_at	Hypothetical protein	-5.96
Mtr.39095.1.S1_at	Alcohol oxidase	-5.96
Mtr.23402.1.S1_at	Aldehyde dehydrogenase	-5.95
Mtr.10231.1.S1_at	Hypothetical protein	-5.95
Mtr.4994.1.S1_at	Hypothetical protein	-5.95
Mtr.28667.1.S1_at	Hypothetical protein	-5.95
Mtr.12410.1.S1_at	Fructose-1,6-bisphosphatase	-5.95
Mtr.12349.1.S1_at	Hypothetical protein	-5.95
Mtr.13232.1.S1_at	Hypothetical protein	-5.95
Mtr.41624.1.S1_at	SEC14 cytosolic factor	-5.94
Mtr.45139.1.S1_at	Sulfate transporter 4.1	-5.94
Mtr.52045.1.S1_at	Hypothetical protein	-5.94
Mtr.50562.1.S1_s_at	Zn-finger, Dof type	-5.94
Mtr.5741.1.S1_s_at	Lipoate-protein ligase	-5.93
Mtr.35894.1.S1_at	Hypothetical protein	-5.93
Mtr.44852.1.S1_at	Glu-tRNA(Gln) amidotransferase subunit B	-5.93
Mtr.50952.1.S1_at	Ribosomal protein L9	-5.92
Mtr.39387.1.S1_s_at	DCL protein	-5.91
Mtr.44282.1.S1_at	THA4 protein	-5.91
Mtr.34494.1.S1_at	Hypothetical protein	-5.91
Mtr.52185.1.S1_at	Hypothetical protein	-5.90
Mtr.26161.1.S1_at	Peroxisomal membrane protein	-5.90
Mtr.43371.1.S1_at	Peroxidase 55	-5.90
Mtr.875.1.S1_s_at	Thioredoxin x	-5.89
Msa.1112.1.S1_at	Hypothetical protein	-5.89
Mtr.13533.1.S1_at	Hypothetical protein	-5.88
Mtr.17374.1.S1_at	C4-dicarboxylate transporter/malic acid transport protein	-5.88
Mtr.33398.1.S1_s_at	Hypothetical protein	-5.88
Mtr.9952.1.S1_at	Hypothetical protein	-5.88
Mtr.12037.1.S1_at	Hypothetical protein	-5.88
Mtr.7911.1.S1_s_at	ER1-like receptor kinase	-5.87
Mtr.46060.1.S1_at	Hypothetical protein	-5.87
Mtr.51204.1.S1_at	Amine oxidase	-5.86
Mtr.5242.1.S1_at	Cellulose synthase	-5.86
Mtr.8497.1.S1_at	PSI light-harvesting antenna chlorophyll a/b-binding protein	-5.86
Msa.1689.1.S1_at	Hypothetical protein	-5.85
Mtr.36469.1.S1_at	Hypothetical protein	-5.85
Mtr.9315.1.S1_at	Hypothetical protein	-5.84
Mtr.32674.1.S1_at	Alr1013 protein	-5.83
Mtr.11359.1.S1_at	Hypothetical protein	-5.83

Mtr.44847.1.S1_s_at	Glycosyltransferase family protein	-5.83
Mtr.41877.1.S1_at	Hypothetical protein	-5.83
Mtr.32411.1.S1_a_at	Hypothetical protein	-5.82
Mtr.8844.1.S1_at	Mitogen-activated protein kinase	-5.82
Mtr.38019.1.S1_at	Lil3 protein	-5.81
Mtr.37759.1.S1_at	Hypothetical protein	-5.81
Mtr.33522.1.S1_at	Hypothetical protein	-5.81
Mtr.46046.1.S1_at	Lipolytic enzyme	-5.80
Mtr.36804.1.S1_at	Hypothetical protein	-5.79
Mtr.38983.1.S1_at	Hypothetical protein	-5.79
Mtr.31199.1.S1_s_at	Cytochrome P450	-5.79
Mtr.39220.1.S1_at	Methyltransferase	-5.78
Mtr.27862.1.S1_s_at	Hypothetical protein	-5.77
Mtr.35361.1.S1_at	Fructose-6-phosphate 2-kinase/fructose-2,6-bisphosphatase	-5.77
Mtr.37372.1.S1_at	Dehydroascorbate reductase	-5.76
Mtr.9532.1.S1_at	Hypothetical protein	-5.76
Mtr.10480.1.S1_at	Glutamine synthetase	-5.75
Mtr.38436.1.S1_at	Cyclin-like protein	-5.75
Mtr.8509.1.S1_at	Hypothetical protein	-5.74
Msa.1462.1.S1_at	Hypothetical protein	-5.74
Mtr.5120.1.S1_at	Hypothetical protein	-5.74
Mtr.34697.1.S1_at	THA4 protein	-5.74
Mtr.13951.1.S1_at	Hypothetical protein	-5.73
Mtr.19984.1.S1_at	Hypothetical protein	-5.73
Mtr.38441.1.S1_at	Hypothetical protein	-5.73
Mtr.17358.1.S1_at	Protein synthesis factor	-5.73
Mtr.44687.1.S1_at	Hypothetical protein	-5.73
Msa.3149.1.S1_at	Hypothetical protein	-5.72
Mtr.38693.1.S1_at	Hypothetical protein	-5.72
Mtr.51752.1.S1_at	Short-chain dehydrogenase/reductase	-5.72
Mtr.20636.1.S1_at	NAD-dependent epimerase/dehydratase	-5.71
Mtr.39164.1.S1_at	Hypothetical protein	-5.71
Mtr.12363.1.S1_at	Hypothetical protein	-5.71
Msa.1866.1.S1_at	Hypothetical protein	-5.71
Mtr.17798.1.S1_at	GNS1/SUR4 membrane protein	-5.71
Mtr.12306.1.S1_at	Hypothetical protein	-5.71
Mtr.40844.1.S1_at	Diphosphonucleotide phosphatase 1	-5.70
Mtr.42974.1.S1_at	Hydroxyisourate hydrolase	-5.70
Mtr.13202.1.S1_at	Cellulose synthase CesA-1	-5.69
Mtr.44411.1.S1_at	Peptide methionine sulfoxide reductase	-5.69
Mtr.28737.1.S1_at	Homeodomain protein	-5.68
Mtr.45813.1.S1_at	Hypothetical protein	-5.68
Msa.2963.1.S1_s_at	Hypothetical protein	-5.68
Mtr.8730.1.S1_at	Hypothetical protein	-5.68
Mtr.45567.1.S1_at	Fatty aldehyde dehydrogenase 1	-5.67
Mtr.40897.1.S1_at	Hypothetical protein	-5.67
Mtr.48097.1.S1_at	Hypothetical protein	-5.67
Mtr.13053.1.S1_at	Uroporphyrin III methylase	-5.65
Msa.1083.1.S1_at	Hypothetical protein	-5.64
Mtr.8478.1.S1_at	Cytochrome P450	-5.63
Mtr.38047.1.S1_at	Monogalactosyldiacylglycerol synthase	-5.63
Mtr.29983.1.S1_s_at	Beta-carotene hydroxylase	-5.62
Mtr.11489.1.S1_at	RedA protein	-5.62
Mtr.44607.1.S1_at	Proline-5-carboxylate synthetase	-5.62

Mtr.51862.1.S1_at	Hypothetical protein	-5.61
Mtr.31764.1.S1_at	Alpha-mannosidase	-5.60
Mtr.31300.1.S1_at	Disease resistance response protein	-5.60
Mtr.12447.1.S1_at	Proline transport protein	-5.60
Mtr.4424.1.S1_at	Hypothetical protein	-5.60
Mtr.11363.1.S1_at	Glycosyltransferase	-5.60
Msa.1866.1.S1_x_at	Hypothetical protein	-5.60
Mtr.6980.1.S1_at	Multidrug resistance-associated protein 2	-5.60
Mtr.41896.1.S1_s_at	Hypothetical protein	-5.59
Mtr.37982.1.S1_at	Twist related protein 1	-5.59
Mtr.41829.1.S1_at	Hypothetical protein	-5.59
Mtr.33664.1.S1_at	Ferredoxin-dependent glutamate synthase	-5.58
Mtr.20947.1.S1_x_at	Serine/threonine protein kinase	-5.58
Mtr.18153.1.S1_at	Hypothetical protein	-5.58
Mtr.20560.1.S1_at	Purple acid phosphatase	-5.57
Mtr.40508.1.S1_at	Magnesium-chelatase subunit chlI	-5.57
Mtr.32495.1.S1_at	Protein kinase	-5.57
Mtr.15775.1.S1_at	Glycoside hydrolase	-5.56
Msa.2997.1.S1_at	Hypothetical protein	-5.56
Mtr.27754.1.S1_at	Hypothetical protein	-5.56
Mtr.32386.1.S1_at	Strubbelig receptor	-5.56
Mtr.9529.1.S1_at	Hypothetical protein	-5.56
Mtr.13614.1.S1_at	Pyrimidine 5'-nucleotidase	-5.55
Mtr.14230.1.S1_at	Hypothetical protein	-5.54
Mtr.5847.1.S1_at	Zinc finger protein	-5.53
Mtr.15418.1.S1_at	Histone deacetylase	-5.53
Mtr.8416.1.S1_s_at	Cytochrome b	-5.53
Mtr.5115.1.S1_s_at	Hypothetical protein	-5.53
Mtr.40775.1.S1_at	Tyrosine phosphatase	-5.52
Mtr.38697.1.S1_at	Plant viral-response family protein	-5.52
Mtr.10814.1.S1_at	Epoxide hydrolase	-5.52
Mtr.9586.1.S1_at	Hypothetical protein	-5.52
Mtr.44730.1.S1_at	Nitrate transporter	-5.52
Mtr.42840.1.S1_at	Germin-like protein	-5.52
Mtr.17357.1.S1_at	Hypothetical protein	-5.51
Mtr.11222.1.S1_at	Hypothetical protein	-5.51
Mtr.33475.1.S1_s_at	Proline-rich protein	-5.49
Mtr.33440.1.S1_at	30S ribosomal protein S16	-5.49
Mtr.28675.1.S1_s_at	Polygalacturonase	-5.49
Mtr.38254.1.S1_at	Ubiquitin-conjugating enzyme	-5.49
Mtr.37882.1.S1_at	Nucleotide pyrophosphatase/phosphodiesterase	-5.48
Mtr.40230.1.S1_at	Photosystem I reaction center subunit V	-5.48
Mtr.43622.1.S1_s_at	NADH dehydrogenase	-5.48
Mtr.1621.1.S1_s_at	Hypothetical protein	-5.47
Mtr.34189.1.S1_at	Hypothetical protein	-5.47
Mtr.9853.1.S1_at	Hypothetical protein	-5.47
Mtr.25389.1.S1_at	Vestitone reductase	-5.46
Mtr.43459.1.S1_at	Hypothetical protein	-5.46
Mtr.44783.1.S1_at	Hypothetical protein	-5.46
Mtr.5795.1.S1_at	Hypothetical protein	-5.46
Mtr.2343.1.S1_at	Hypothetical protein	-5.46
Mtr.43923.1.S1_at	Calcium-transporting ATPase 9	-5.45
Mtr.25344.1.S1_at	Hypothetical protein	-5.45
Mtr.15345.1.S1_at	Multi antimicrobial extrusion protein	-5.45

Mtr.43771.1.S1_at	Hypothetical protein	-5.44
Mtr.38263.1.S1_at	Hypothetical protein	-5.44
Mtr.41079.1.S1_at	NADH dehydrogenase	-5.44
Mtr.11929.1.S1_at	Beta-1,4-xylosidase	-5.43
Msa.1921.1.S1_at	Hypothetical protein	-5.43
Mtr.40744.1.S1_at	Hypothetical protein	-5.43
Mtr.13813.1.S1_s_at	Alkaline/neutral invertase	-5.42
Mtr.37436.1.S1_at	Hypersensitive-induced response protein	-5.42
Mtr.31160.1.S1_at	En/Spm-like transposon protein	-5.42
Mtr.8754.1.S1_at	Rhodanese-like family protein	-5.41
Mtr.38447.1.S1_at	Cell Wall Invertase Inhibitor	-5.41
Mtr.929.1.S1_at	Hypothetical protein	-5.41
Mtr.27397.1.S1_at	Hypothetical protein	-5.40
Mtr.10605.1.S1_at	Hypothetical protein	-5.40
Mtr.12922.1.S1_at	Hypothetical protein	-5.40
Mtr.40249.1.S1_at	ATP synthase delta chain	-5.40
Mtr.38054.1.S1_at	Hypothetical protein	-5.39
Mtr.13612.1.S1_at	Hypothetical protein	-5.39
Msa.1928.1.S1_at	Hypothetical protein	-5.39
Mtr.1617.1.S1_s_at	Basic blue copper protein	-5.38
Mtr.43681.1.S1_at	CYP1	-5.37
Mtr.4126.1.S1_at	Laccase	-5.36
Mtr.41835.1.S1_at	Hypothetical protein	-5.36
Mtr.31727.1.S1_at	Hypothetical protein	-5.35
Mtr.12886.1.S1_at	Hypothetical protein	-5.34
Mtr.13388.1.S1_s_at	Hypothetical protein	-5.34
Mtr.38481.1.S1_at	Hypothetical protein	-5.34
Msa.1574.1.S1_at	Hypothetical protein	-5.33
Mtr.27146.1.S1_s_at	Cyclin-like protein	-5.33
Msa.2909.1.S1_at	Hypothetical protein	-5.33
Mtr.19280.1.S1_at	Multi antimicrobial extrusion protein	-5.33
Mtr.9891.1.S1_at	Hypothetical protein	-5.33
Mtr.25786.1.S1_at	Hypothetical protein	-5.32
Msa.1209.1.S1_at	Hypothetical protein	-5.32
Mtr.32796.1.S1_at	Sodium transport protein	-5.32
Mtr.37806.1.S1_at	Cellulose synthase	-5.32
Mtr.7062.1.S1_at	Hypothetical protein	-5.30
Mtr.8981.1.S1_at	Hypothetical protein	-5.30
Mtr.8575.1.S1_x_at	Glucosyltransferase-13	-5.29
Mtr.44825.1.S1_at	POZ domain protein	-5.29
Mtr.32634.1.S1_s_at	Heat shock protein	-5.28
Mtr.13969.1.S1_at	Glucosyltransferase	-5.28
Mtr.11645.1.S1_at	Methionine aminopeptidase	-5.27
Mtr.1431.1.S1_at	Hypothetical protein	-5.27
Mtr.39502.1.S1_at	Hypothetical protein	-5.27
Mtr.22606.1.S1_at	Pentatricopeptide (PPR) repeat-containing protein	-5.27
Mtr.14192.1.S1_at	Inositol monophosphatase	-5.27
Msa.2613.1.S1_at	Hypothetical protein	-5.27
Mtr.31331.1.S1_s_at	Hypothetical protein	-5.26
Mtr.35779.1.S1_at	Seed maturation protein	-5.26
Mtr.32040.1.S1_at	Hypothetical protein	-5.26
Mtr.16356.1.S1_s_at	Phospholipid/glycerol acyltransferase	-5.26
Mtr.38390.1.S1_at	Hypothetical protein	-5.25
Mtr.18797.1.S1_at	Proteinase inhibitor I3	-5.25

Mtr.29383.1.S1_at	Hypothetical protein	-5.24
Mtr.11798.1.S1_at	Cellulose synthase	-5.24
Msa.1890.1.S1_at	Hypothetical protein	-5.23
Mtr.18703.1.S1_at	Serine/threonine protein kinase	-5.22
Mtr.40561.1.S1_at	Hypothetical protein	-5.22
Mtr.38245.1.S1_at	Transcription factor RAU1	-5.22
Mtr.12143.1.S1_at	Hypothetical protein	-5.22
Mtr.37688.1.S1_at	NtPRp27-like protein	-5.21
Mtr.30695.1.S1_at	Hypothetical protein	-5.21
Mtr.33840.1.S1_at	Hypothetical protein	-5.21
Mtr.44855.1.S1_at	Urophorphyrin III methylase	-5.21
Mtr.7101.1.S1_at	C2H2 zinc-finger protein	-5.21
Mtr.50278.1.S1_at	Small GTP-binding protein	-5.20
Mtr.38455.1.S1_at	Hypothetical protein	-5.20
Mtr.35540.1.S1_at	Hypothetical protein	-5.19
Mtr.10800.1.S1_s_at	Hypothetical protein	-5.19
Mtr.44860.1.S1_at	MADS5 protein	-5.19
Msa.2839.1.S1_at	Hypothetical protein	-5.18
Mtr.35557.1.S1_s_at	Hypothetical protein	-5.17
Mtr.28757.1.S1_at	Hypothetical protein	-5.17
Mtr.4792.1.S1_at	Leaf ubiquitous urease	-5.16
Mtr.15024.1.S1_at	Hypothetical protein	-5.16
Mtr.14157.1.S1_at	Gibberellin regulated protein	-5.16
Mtr.8420.1.S1_at	Hypothetical protein	-5.16
Mtr.37448.1.S1_at	Photosystem II	-5.16
Mtr.41539.1.S1_at	Hypothetical protein	-5.16
Mtr.27915.1.S1_at	Hypothetical protein	-5.15
Mtr.31928.1.S1_at	Peroxidase 25	-5.15
Msa.2814.1.S1_at	Hypothetical protein	-5.14
Mtr.34376.1.S1_at	Hypothetical protein	-5.14
Mtr.9427.1.S1_at	Hypothetical protein	-5.14
Mtr.41215.1.S1_at	Germin-like protein	-5.14
Mtr.49776.1.S1_x_at	Auxin responsive SAUR	-5.14
Mtr.40565.1.S1_at	GTP-binding protein LepA	-5.14
Mtr.32399.1.S1_at	Hypothetical protein	-5.13
Mtr.18486.1.S1_at	Chlorophyll A-B binding protein	-5.13
Mtr.32044.1.S1_at	Hypothetical protein	-5.12
Mtr.33655.1.S1_at	CYP71A10	-5.12
Mtr.50907.1.S1_at	Glycoside hydrolase	-5.11
Mtr.27855.1.S1_at	Heat shock protein	-5.11
Mtr.36941.1.S1_at	Hypothetical protein	-5.10
Msa.1658.1.S1_at	Hypothetical protein	-5.10
Mtr.24601.1.S1_at	Receptor-related protein kinase	-5.10
Msa.1380.1.S1_at	Hypothetical protein	-5.09
Mtr.40444.1.S1_at	Hypothetical protein	-5.09
Mtr.12904.1.S1_at	Pectinacetylsterase	-5.08
Mtr.15246.1.S1_at	ABC transporter	-5.08
Mtr.12989.1.S1_at	Fructosamine-3-kinase	-5.08
Mtr.37361.1.S1_at	Chlorophyll a-b binding protein CP29.3	-5.08
Mtr.9810.1.S1_at	Hypothetical protein	-5.08
Mtr.36338.1.S1_at	Hypothetical protein	-5.07
Mtr.5489.1.S1_at	Hypothetical protein	-5.07
Mtr.44737.1.S1_at	Hypothetical protein	-5.07
Mtr.6148.1.S1_x_at	Serine carboxypeptidase II-2	-5.06

Mtr.49448.1.S1_at	Glycoside hydrolase	-5.06
Mtr.37642.1.S1_at	NADP-dependent oxidoreductase P2	-5.06
Mtr.15949.1.S1_at	Hypothetical protein	-5.06
Mtr.6532.1.S1_s_at	3-ketoacyl-ACP synthase	-5.06
Mtr.28938.1.S1_at	Hypothetical protein	-5.06
Mtr.25447.1.S1_at	Hypothetical protein	-5.05
Mtr.12572.1.S1_at	Hypothetical protein	-5.05
Mtr.10567.1.S1_s_at	Hypothetical protein	-5.04
Mtr.8993.1.S1_at	Hypothetical protein	-5.04
Mtr.37192.1.S1_at	Hypothetical protein	-5.04
Mtr.23551.1.S1_at	Late embryogenesis abundant protein D-34	-5.04
Mtr.17195.1.S1_at	RNA-binding region RNP-1	-5.04
Mtr.50015.1.S1_at	Hypothetical protein	-5.04
Mtr.41900.1.S1_at	Hypothetical protein	-5.03
Mtr.51598.1.S1_at	NUDIX hydrolase	-5.03
Mtr.34765.1.S1_at	Hypothetical protein	-5.03
Mtr.9540.1.S1_at	RING finger	-5.03
Mtr.40908.1.S1_at	Ribosomal protein L6	-5.02
Mtr.32540.1.S1_at	Hypothetical protein	-5.02
Mtr.37681.1.S1_s_at	Hypothetical protein	-5.02
Mtr.32821.1.S1_at	Hypothetical protein	-5.02
Msa.3056.1.S1_at	Hypothetical protein	-5.01
Mtr.45264.1.S1_at	Hypothetical protein	-5.01
Mtr.33045.1.S1_at	Hypothetical protein	-5.01
Mtr.37517.1.S1_at	Basic blue protein	-4.99
Mtr.40184.1.S1_at	FtsH protease (VAR2)	-4.99
Mtr.38468.1.S1_at	Proline-rich protein	-4.99
Mtr.17550.1.S1_at	Plant lipid transfer protein	-4.99
Mtr.44455.1.S1_at	Hypothetical protein	-4.98
Mtr.44897.1.S1_at	Hypothetical protein	-4.98
Mtr.5646.1.S1_at	Glutathione S-transferase	-4.97
Mtr.47127.1.S1_at	Far-red impaired response protein	-4.97
Mtr.16200.1.S1_at	Esterase/lipase/thioesterase	-4.97
Mtr.45183.1.S1_at	Hypothetical protein	-4.95
Msa.2747.1.S1_at	Hypothetical protein	-4.94
Mtr.23616.1.S1_at	DNA-binding protein	-4.94
Mtr.42933.1.S1_s_at	Nonspecific lipid-transfer protein precursor (LTP)	-4.94
Mtr.12880.1.S1_at	Serine/threonine protein kinase	-4.93
Mtr.34711.1.S1_at	C-type cytochrome biogenesis protein Ccs1	-4.93
Mtr.13309.1.S1_at	Hypothetical protein	-4.93
Mtr.38453.1.S1_at	Proline-rich protein	-4.93
Mtr.38021.1.S1_at	Hypothetical protein	-4.92
Mtr.24898.1.S1_at	Magnesium/proton exchanger	-4.92
Mtr.32928.1.S1_s_at	Hypothetical protein	-4.92
Mtr.6093.1.S1_s_at	Subtilisin-like protease	-4.92
Mtr.46514.1.S1_x_at	Alpha/beta-amyrin synthase	-4.92
Mtr.40332.1.S1_at	5,10-methylenetetrahydrofolate dehydrogenase	-4.91
Mtr.18220.1.S1_s_at	Hypothetical protein	-4.91
Mtr.44805.1.S1_at	Hypothetical protein	-4.91
Mtr.17452.1.S1_at	Glycoside transferase	-4.91
Mtr.14245.1.S1_at	Hypothetical protein	-4.91
Mtr.18022.1.S1_at	Hypothetical protein	-4.90
Mtr.45276.1.S1_at	LIM domain containing protein	-4.90
Mtr.34829.1.S1_at	Hypothetical protein	-4.90

Mtr.21855.1.S1_at	Hypothetical protein	-4.90
Mtr.42899.1.S1_a_at	Carboxylesterase	-4.89
Mtr.39210.1.S1_at	Hypothetical protein	-4.89
Mtr.24083.1.S1_at	Uroporphyrinogen decarboxylase	-4.89
Mtr.33770.1.S1_at	Hypothetical protein	-4.88
Mtr.12907.1.S1_at	Hypothetical protein	-4.88
Mtr.51302.1.S1_at	Ras small GTPase	-4.88
Mtr.38595.1.S1_at	Hypothetical protein	-4.88
Mtr.2090.1.S1_at	Cation transport ATPase	-4.88
Mtr.34734.1.S1_at	Potassium transporter 2	-4.87
Mtr.50716.1.S1_s_at	Glycosyl transferase	-4.87
Mtr.50857.1.S1_at	Peptidase S10	-4.87
Mtr.43323.1.S1_at	Polygalacturonase-like protein	-4.87
Mtr.38114.1.S1_at	Thioredoxin M-type 4	-4.87
Mtr.12848.1.S1_at	Berberine bridge enzyme-like protein	-4.87
Mtr.32711.1.S1_at	Hypothetical protein	-4.87
Mtr.994.1.S1_at	Hypothetical protein	-4.86
Mtr.21060.1.S1_at	Peptidyl-prolyl cis-trans isomerase, cyclophilin type	-4.86
Mtr.43551.1.S1_at	Allyl alcohol dehydrogenase	-4.85
Mtr.33116.1.S1_at	Receptor protein kinase	-4.85
Mtr.7095.1.S1_at	Na <sup>+</sup> /H <sup>+</sup> antiporter NHX6	-4.85
Mtr.26278.1.S1_s_at	Pyrroline-5-carboxylate reductase	-4.85
Mtr.28730.1.S1_at	En/Spm-like transposon protein	-4.84
Mtr.42457.1.S1_at	Hypothetical protein	-4.84
Mtr.28324.1.S1_at	Hypothetical protein	-4.84
Mtr.42933.1.S1_x_at	Nonspecific lipid-transfer protein precursor (LTP)	-4.84
Mtr.27107.1.S1_at	MYC1	-4.84
Mtr.8609.1.S1_at	Photosystem II reaction center	-4.83
Mtr.34447.1.S1_at	Hypothetical protein	-4.83
Mtr.37387.1.S1_s_at	Inhibitor of apoptosis-like protein	-4.83
Mtr.33127.1.S1_at	Hypothetical protein	-4.83
Mtr.45322.1.S1_at	Hypothetical protein	-4.82
Mtr.31359.1.S1_at	Hypothetical protein	-4.82
Mtr.11554.1.S1_at	Alpha-amylase	-4.82
Mtr.20268.1.S1_at	Hypothetical protein	-4.82
Mtr.44100.1.S1_at	Hypothetical protein	-4.82
Mtr.31115.1.S1_at	Hypothetical protein	-4.82
Msa.2646.1.S1_at	Hypothetical protein	-4.81
Mtr.24815.1.S1_at	Glutaredoxin protein	-4.81
Mtr.8504.1.S1_at	Hypothetical protein	-4.81
Mtr.41127.1.S1_at	Pherophorin	-4.81
Mtr.24829.1.S1_at	Hypothetical protein	-4.80
Mtr.9072.1.S1_at	Acyltransferase	-4.80
Mtr.14419.1.S1_s_at	Purple acid phosphatase	-4.80
Mtr.27207.1.S1_s_at	Hypothetical protein	-4.80
Mtr.12724.1.S1_at	PDI-like protein	-4.80
Mtr.41992.1.S1_at	Endo-beta-N-acetylglucosaminidase	-4.80
Mtr.5274.1.S1_s_at	Cellulose synthase	-4.79
Mtr.52072.1.S1_at	Hypothetical protein	-4.79
Mtr.44552.1.S1_at	Hypothetical protein	-4.79
Mtr.8435.1.S1_at	Lipoxygenase	-4.79
Mtr.27854.1.S1_s_at	NADP-dependent oxidoreductase P1	-4.79
Mtr.44578.1.S1_at	RAB1X	-4.78
Mtr.44600.1.S1_at	Hypothetical protein	-4.78



Mtr.10293.1.S1_at	Alanyl-tRNA synthetase	-4.77
Mtr.43506.1.S1_at	Hypothetical protein	-4.77
Mtr.44395.1.S1_at	Hypothetical protein	-4.77
Mtr.6724.1.S1_at	Hypothetical protein	-4.77
Mtr.13288.1.S1_at	ADP-glucose pyrophosphorylase large subunit	-4.76
Mtr.5792.1.S1_at	Hypothetical protein	-4.76
Mtr.37342.1.S1_at	Mannitol dehydrogenase	-4.76
Mtr.34540.1.S1_s_at	Hypothetical protein	-4.76
Mtr.39373.1.S1_at	Alanyl-tRNA synthetase	-4.75
Mtr.42357.1.S1_at	Hypothetical protein	-4.75
Mtr.12774.1.S1_s_at	Bg55 protein	-4.75
Mtr.28309.1.S1_at	Acyl-CoA thioesterase	-4.75
Mtr.50826.1.S1_at	Beta-ketoacyl synthase	-4.74
Mtr.9717.1.S1_at	WAK-like kinase	-4.73
Mtr.29094.1.S1_s_at	Hypothetical protein	-4.73
Mtr.5882.1.S1_at	Hypothetical protein	-4.73
Msa.1391.1.S1_at	Hypothetical protein	-4.73
Mtr.34614.1.S1_at	Hypothetical protein	-4.73
Mtr.16895.1.S1_at	Hypothetical protein	-4.72
Mtr.10347.1.S1_at	Receptor-like protein kinase	-4.72
Mtr.33436.1.S1_at	Hypothetical protein	-4.72
Mtr.13198.1.S1_at	PHAP2B protein	-4.72
Mtr.43806.1.S1_at	Hypothetical protein	-4.72
Mtr.34714.1.S1_at	Cyclin-dependent kinase 3	-4.71
Mtr.19940.1.S1_at	Hypothetical protein	-4.71
Mtr.10198.1.S1_at	Phosphoenolpyruvate carboxylase	-4.71
Mtr.50974.1.S1_at	Hypothetical protein	-4.71
Mtr.4037.1.S1_at	Hypothetical protein	-4.70
Mtr.40774.1.S1_s_at	Tyrosine phosphatase	-4.70
Mtr.8790.1.S1_at	Peripheral-type benzodiazepine receptor	-4.69
Mtr.40121.1.S1_at	Peroxidase1C	-4.69
Mtr.40723.1.S1_at	Hypothetical protein	-4.69
Mtr.35108.1.S1_at	NAP	-4.69
Mtr.40534.1.S1_at	Sulfate transporter protein	-4.69
Mtr.12418.1.S1_at	Hypothetical protein	-4.68
Mtr.44321.1.S1_at	Hypothetical protein	-4.68
Mtr.29279.1.S1_at	Lipoxygenase	-4.68
Mtr.8859.1.S1_at	Proline rich protein	-4.68
Mtr.11440.1.S1_at	Thylakoid lumenal 21.5 kDa protein	-4.67
Msa.1818.1.S1_at	Hypothetical protein	-4.67
Msa.1114.1.S1_at	Hypothetical protein	-4.67
Mtr.34452.1.S1_at	Hypothetical protein	-4.67
Mtr.9495.1.S1_at	Sugar transporter-like protein	-4.67
Mtr.35849.1.S1_at	Hypothetical protein	-4.67
Mtr.34640.1.S1_at	Hypothetical protein	-4.66
Mtr.1715.1.S1_at	Aminoalcoholphosphotransferase	-4.66
Mtr.26672.1.S1_s_at	Hypothetical protein	-4.65
Mtr.41274.1.S1_at	Hypothetical protein	-4.64
Mtr.6731.1.S1_at	PSII D1 protein processing enzyme	-4.64
Mtr.38321.1.S1_at	Transfactor-like protein	-4.64
AFFX-Mtr-gsta-5_at	2,4-D inducible glutathione S-transferase	-4.64
Mtr.5745.1.S1_at	Receptor-like protein kinase	-4.64
Mtr.16200.1.S1_x_at	Esterase/lipase/thioesterase	-4.64
Mtr.44721.1.S1_at	Rust resistance kinase	-4.63

Mtr.10882.1.S1_at	Hypothetical protein	-4.62
Mtr.42374.1.S1_at	Hypothetical protein	-4.62
Mtr.32709.1.S1_at	Hypothetical protein	-4.62
Mtr.37602.1.S1_at	Proline-rich protein	-4.62
Mtr.37299.1.S1_at	Hypothetical protein	-4.61
Mtr.6322.1.S1_s_at	Cytochrome P450	-4.61
Mtr.13786.1.S1_at	Hypothetical protein	-4.61
Mtr.22750.1.S1_at	Hypothetical protein	-4.61
Mtr.19517.1.S1_at	Ribulose biphosphate carboxylase	-4.61
Mtr.39315.1.S1_s_at	Hypothetical protein	-4.60
Mtr.51909.1.S1_at	Phenylalanine/histidine ammonia-lyase	-4.59
Mtr.13472.1.S1_at	Interleukin-1 receptor-associated kinase-3	-4.59
Mtr.38647.1.S1_at	WAK-like kinase	-4.59
Mtr.22791.1.S1_at	UDP-glucose pyrophosphorylase	-4.59
Mtr.35618.1.S1_at	Multi resistance protein	-4.58
Mtr.12931.1.S1_at	Hypothetical protein	-4.58
Mtr.22414.1.S1_s_at	Hypothetical protein	-4.58
Mtr.4818.1.S1_s_at	Gluthamine synthetase	-4.58
Mtr.43042.1.S1_at	LEDI-5c protein	-4.57
Mtr.15494.1.S1_at	Cinnamyl alcohol dehydrogenase	-4.57
Mtr.41489.1.S1_at	Hypothetical protein	-4.57
Mtr.34709.1.S1_at	Ser-thr protein kinase	-4.57
Mtr.42095.1.S1_at	Receptor like protein	-4.57
Mtr.8212.1.S1_at	Protein kinase	-4.57
Msa.1877.1.S1_at	Hypothetical protein	-4.57
Mtr.13167.1.S1_at	Acyl CoA synthetase	-4.57
Mtr.37311.1.S1_at	Chlorophyll a/b-binding protein type I	-4.57
Mtr.31555.1.S1_at	Beta-1,3-glucanase	-4.57
Mtr.5962.1.S1_s_at	Nonspecific lipid-transfer protein	-4.56
Mtr.31155.1.S1_at	Hypothetical protein	-4.56
Msa.1022.1.S1_at	Hypothetical protein	-4.56
Mtr.24912.1.S1_at	Hypothetical protein	-4.56
Mtr.27682.1.S1_at	NS5 protein	-4.55
Mtr.713.1.S1_s_at	Nucleotide pyrophosphatase	-4.55
Mtr.40668.1.S1_at	Hypothetical protein	-4.55
Mtr.35857.1.S1_at	Hypothetical protein	-4.55
Mtr.39989.1.S1_at	Proteinase IV	-4.55
Mtr.6658.1.S1_at	Auxin-induced protein	-4.55
Mtr.39482.1.S1_at	Hypothetical protein	-4.54
Mtr.13421.1.S1_at	Cytochrome b-561	-4.54
Mtr.50308.1.S1_at	Hypothetical protein	-4.54
Mtr.50307.1.S1_at	Haloacid dehalogenase-like hydrolase	-4.54
Mtr.31565.1.S1_s_at	Hypothetical protein	-4.53
Mtr.41288.1.S1_at	Hypothetical protein	-4.53
Mtr.25043.1.S1_at	Hypothetical protein	-4.52
Mtr.8496.1.S1_at	Hypothetical protein	-4.52
Mtr.45389.1.S1_at	Hypothetical protein	-4.51
Mtr.42104.1.S1_at	Heterotrimeric G-protein gamma subunit 2	-4.51
Mtr.40027.1.S1_at	CBL-interacting protein kinase	-4.51
Mtr.8858.1.S1_at	Biogenesis protein	-4.51
Mtr.35867.1.S1_at	Hypothetical protein	-4.51
Mtr.37563.1.S1_at	Outer envelope membrane protein	-4.51
Mtr.44590.1.S1_s_at	Glycuronosyltransferase	-4.50
Mtr.29095.1.S1_at	Respiratory burst oxidase homolog	-4.50

Mtr.28777.1.S1_at	Hypothetical protein	-4.50
Msa.579.1.S1_at	Hypothetical protein	-4.50
Mtr.8501.1.S1_s_at	Glycolate oxidase	-4.50
Mtr.33506.1.S1_at	Hypothetical protein	-4.50
Mtr.8925.1.S1_s_at	Signal recognition particle 54 kDa subunit	-4.50
Mtr.11999.1.S1_at	Hypothetical protein	-4.49
Mtr.25990.1.S1_at	Hypothetical protein	-4.49
Mtr.38367.1.S1_at	Hypothetical protein	-4.49
Mtr.45269.1.S1_at	NADP dependent malic enzyme	-4.49
Mtr.20299.1.S1_at	U box protein	-4.49
Mtr.37015.1.S1_at	Hydroxymethylglutaryl-CoA lyase	-4.48
Mtr.8824.1.S1_at	CONSTANS-like protein 2	-4.48
Mtr.51973.1.S1_at	Seed maturation protein	-4.48
Mtr.28632.1.S1_at	Hypothetical protein	-4.48
Mtr.6008.1.S1_at	Hypothetical protein	-4.48
Mtr.40550.1.S1_at	Hypothetical protein	-4.47
Mtr.38746.1.S1_at	Heat shock transcription factor	-4.47
Mtr.46876.1.S1_at	Hypothetical protein	-4.47
Mtr.9679.1.S1_at	Thioredoxin 3	-4.47
Mtr.52127.1.S1_at	2OG-Fe(II) oxygenase	-4.47
Mtr.38138.1.S1_at	Hypothetical protein	-4.47
Mtr.1427.1.S1_at	Hypothetical protein	-4.46
Mtr.13972.1.S1_at	Thioredoxin m	-4.46
Msa.2749.1.S1_at	Hypothetical protein	-4.45
Mtr.40684.1.S1_at	Anthocyanin 5-aromatic acyltransferase/benzoyltransferase	-4.45
Mtr.10656.1.S1_at	Sucrose-phosphate synthase	-4.45
Mtr.32848.1.S1_at	Hypothetical protein	-4.45
Mtr.19577.1.S1_s_at	Aldehyde decarboxylase	-4.45
Mtr.9501.1.S1_at	Lysine decarboxylase	-4.44
Mtr.20207.1.S1_at	Thioredoxin	-4.44
Msa.1725.1.S1_at	Hypothetical protein	-4.44
Mtr.34453.1.S1_at	1-aminocyclopropane-1-carboxylate synthase	-4.44
Mtr.3869.1.S1_at	Hypothetical protein	-4.44
Msa.3191.1.S1_s_at	Hypothetical protein	-4.44
Mtr.43269.1.S1_at	30S ribosomal protein S1	-4.44
Mtr.32057.1.S1_at	Hypothetical protein	-4.43
Mtr.48712.1.S1_s_at	Facilitated glucose transporter	-4.43
Mtr.41066.1.S1_at	Hypothetical protein	-4.43
Mtr.2062.1.S1_at	Hypothetical protein	-4.43
Mtr.10212.1.S1_at	Hypothetical protein	-4.43
Mtr.38223.1.S1_at	Acyltransferase	-4.42
Mtr.29529.1.S1_at	Hypothetical protein	-4.42
Mtr.13184.1.S1_at	Prolyl carboxypeptidase like protein	-4.42
Mtr.5954.1.S1_at	ABC transporter	-4.42
Mtr.33686.1.S1_at	Hypothetical protein	-4.42
Mtr.10936.1.S1_at	Transcriptional regulator, LysR family	-4.42
Mtr.50527.1.S1_at	Hypothetical protein	-4.41
Mtr.49348.1.S1_s_at	Proteinase inhibitor I25	-4.41
Mtr.1424.1.S1_at	Hypothetical protein	-4.41
Mtr.4814.1.S1_at	AROGP2	-4.41
Mtr.43889.1.S1_at	Beta-1,3-glucanase	-4.41
Msa.1230.1.S1_at	Hypothetical protein	-4.41
Mtr.32117.1.S1_at	Hypothetical protein	-4.40
Msa.1490.1.S1_at	Hypothetical protein	-4.40

Mtr.38303.1.S1_at	Hypothetical protein	-4.40
Mtr.44684.1.S1_at	Nucleotide pyrophosphatase	-4.39
Mtr.9616.1.S1_at	Hypothetical protein	-4.39
Msa.1588.1.S1_at	Hypothetical protein	-4.39
Mtr.10607.1.S1_at	PS60 protein	-4.39
Mtr.12858.1.S1_at	Hypothetical protein	-4.39
Msa.1651.1.S1_at	Hypothetical protein	-4.39
Mtr.14519.1.S1_a_at	RNA-binding region RNP-1	-4.38
Mtr.41249.1.S1_at	30S ribosomal protein S13	-4.38
Mtr.43590.1.S1_at	Hypothetical protein	-4.38
Mtr.44918.1.S1_at	Lysophospholipase 1	-4.38
Mtr.33007.1.S1_at	Hypothetical protein	-4.38
Mtr.5253.1.S1_s_at	Hypothetical protein	-4.38
Mtr.28159.1.S1_at	AP2 domain transcription factor	-4.38
Mtr.31078.1.S1_at	CPD photolyase	-4.38
Mtr.44666.1.S1_at	Carboxyl terminal protease	-4.37
Mtr.43826.1.S1_at	Hypothetical protein	-4.37
Mtr.20860.1.S1_at	Hypothetical protein	-4.37
Mtr.1559.1.S1_s_at	Calcineurin B-like protein 10	-4.37
Mtr.32683.1.S1_at	Tetratricopeptide repeat (TPR)-containing protein	-4.37
Mtr.19693.1.S1_at	Zinc-containing alcohol dehydrogenase	-4.37
Mtr.40232.1.S1_s_at	Geranylgeranyl hydrogenase	-4.37
Mtr.9173.1.S1_at	Hypothetical protein	-4.37
Mtr.40525.1.S1_at	Hypothetical protein	-4.36
Mtr.22479.1.S1_at	Anthocyanin 1	-4.36
Mtr.34131.1.S1_at	NADP dependent malic enzyme	-4.36
Mtr.47321.1.S1_s_at	DNA-directed RNA polymerase beta chain	-4.36
Mtr.48754.1.S1_at	Dihydrodipicolinate reductase	-4.35
Mtr.10104.1.S1_at	Ornithine decarboxylase	-4.35
Mtr.8397.1.S1_at	Anthranilate synthase alpha subunit	-4.35
Mtr.37955.1.S1_at	Hypothetical protein	-4.35
Mtr.40305.1.S1_at	Hypothetical protein	-4.35
Mtr.49527.1.S1_at	Lipolytic enzyme	-4.35
Msa.2740.1.S1_at	Hypothetical protein	-4.35
Mtr.37930.1.S1_at	Hypothetical protein	-4.35
Mtr.11591.1.S1_at	Constitutively photomorphogenic 1 protein	-4.35
Mtr.7633.1.S1_at	Hypothetical protein	-4.35
Mtr.28691.1.S1_at	Nine-cis-epoxycarotenoid dioxygenase3	-4.34
Mtr.39369.1.S1_at	33 kd chloroplast ribonucleoprotein	-4.34
Mtr.40558.1.S1_at	Short-chain alcohol dehydrogenase	-4.34
Mtr.50015.1.S1_s_at	Hypothetical protein	-4.34
Mtr.44759.1.S1_at	E-beta-ocimene synthase	-4.34
Mtr.35494.1.S1_at	Hypothetical protein	-4.33
Mtr.16234.1.S1_at	Hypothetical protein	-4.33
Msa.3079.1.S1_at	Hypothetical protein	-4.33
Mtr.42503.1.S1_at	Isoflavonoid glucosyltransferase	-4.33
Msa.1903.1.S1_at	Hypothetical protein	-4.33
Mtr.10800.1.S1_at	Hypothetical protein	-4.33
Mtr.9062.1.S1_at	Hypothetical protein	-4.33
Mtr.5351.1.S1_at	Cuticle protein (Faceless pollen-1) (YORE-YORE protein)	-4.33
Mtr.48631.1.S1_at	Sugar transporter	-4.33
Msa.3021.1.S1_at	Hypothetical protein	-4.32
Mtr.49348.1.S1_at	Proteinase inhibitor I25	-4.32
Mtr.40297.1.S1_at	Cytochrome b6f complex subunit	-4.32

Mtr.37072.1.S1_at	Hypothetical protein	-4.32
Mtr.3201.1.S1_at	LysM domain-containing receptor-like kinase 1	-4.31
Msa.1138.1.S1_at	Hypothetical protein	-4.31
Mtr.31183.1.S1_x_at	Long-chain-fatty-acid--CoA ligase 6	-4.31
Msa.3039.1.S1_at	Hypothetical protein	-4.31
Mtr.38360.1.S1_at	Hypothetical protein	-4.31
Mtr.41054.1.S1_at	UDP-glucose glucosyltransferase	-4.31
Mtr.49132.1.S1_at	Ferredoxin	-4.31
Mtr.762.1.S1_at	2OG-Fe(II) oxygenase	-4.30
Mtr.21135.1.S1_at	2OG-Fe(II) oxygenase	-4.30
Mtr.8254.1.S1_at	Hypothetical protein	-4.30
Mtr.13924.1.S1_at	Glucosyltransferase like protein	-4.29
Mtr.9820.1.S1_at	MADS box protein	-4.29
Mtr.20814.1.S1_at	Zn-finger, CCHC type	-4.29
Mtr.44890.1.S1_at	Calcium binding protein	-4.29
Mtr.42512.1.S1_at	Sugar transporter	-4.28
Mtr.41591.1.S1_at	3-ketoacyl-ACP synthase	-4.28
Mtr.24188.1.S1_at	Hypothetical protein	-4.28
Mtr.19007.1.S1_at	Barwin-related endoglucanase	-4.28
Mtr.3319.1.S1_s_at	Hypothetical protein	-4.28
Mtr.37341.1.S1_at	Mannitol dehydrogenase	-4.28
Mtr.34220.1.S1_at	Hypothetical protein	-4.28
Mtr.8830.1.S1_at	Hypothetical protein	-4.28
Mtr.50857.1.S1_s_at	Peptidase S10	-4.28
Mtr.1962.1.S1_at	MRP-like ABC transporter	-4.28
Mtr.11881.1.S1_at	Hypothetical protein	-4.27
Mtr.9049.1.S1_at	Sbp65a protein	-4.27
Mtr.40759.1.S1_at	TatC	-4.26
Mtr.5456.1.S1_at	Hypothetical protein	-4.26
Mtr.44147.1.S1_at	Lipid transfer protein	-4.26
Mtr.37091.1.S1_at	Hypothetical protein	-4.26
Mtr.21709.1.S1_at	Hypothetical protein	-4.26
Mtr.11319.1.S1_at	Hypothetical protein	-4.26
Mtr.35041.1.S1_s_at	Glutamate receptor 3.3	-4.26
Mtr.8775.1.S1_at	Hypothetical protein	-4.25
Msa.1739.1.S1_at	Hypothetical protein	-4.24
Mtr.21146.1.S1_at	Zn-finger, RING	-4.24
Msa.1400.1.S1_at	Hypothetical protein	-4.24
Mtr.24083.1.S1_s_at	Uroporphyrinogen decarboxylase	-4.24
Mtr.43288.1.S1_at	Diphenol oxidase	-4.24
Mtr.44223.1.S1_at	Mitochondrial aspartate-glutamate carrier protein	-4.23
Msa.1977.1.S1_at	Hypothetical protein	-4.23
Mtr.33530.1.S1_at	Hypothetical protein	-4.22
Mtr.25580.1.S1_at	Hypothetical protein	-4.22
Mtr.20125.1.S1_at	Glycoside hydrolase	-4.22
Mtr.12617.1.S1_at	Hypothetical protein	-4.22
Mtr.27444.1.S1_at	Hypothetical protein	-4.22
Msa.3181.1.S1_at	Hypothetical protein	-4.22
Mtr.39481.1.S1_at	Hypothetical protein	-4.21
Mtr.48937.1.S1_at	Hypothetical protein	-4.21
Mtr.38815.1.S1_at	Pair-rule protein	-4.21
Mtr.40653.1.S1_at	Hypothetical protein	-4.21
Mtr.1068.1.S1_s_at	Hypothetical protein	-4.21
Mtr.43598.1.S1_at	Polygalacturonase-like protein	-4.20

Mtr.42284.1.S1_at	Hypothetical protein	-4.20
Mtr.47389.1.S1_at	Hypothetical protein	-4.20
Mtr.3096.1.S1_at	Glycosyl hydrolase	-4.19
Mtr.38410.1.S1_at	bZIP50 protein	-4.19
Mtr.42658.1.S1_at	Ski protein	-4.19
Mtr.41864.1.S1_at	Hypothetical protein	-4.19
Mtr.34410.1.S1_at	Hypothetical protein	-4.19
Mtr.8908.1.S1_at	Hypothetical protein	-4.18
Msa.2828.1.S1_at	Hypothetical protein	-4.18
Mtr.31151.1.S1_at	Hypothetical protein	-4.17
Mtr.24230.1.S1_at	Isoflavone reductase	-4.17
Mtr.21515.1.S1_at	Cellulose synthase	-4.16
Mtr.33410.1.S1_at	Hypothetical protein	-4.16
Mtr.18494.1.S1_at	ZF-HD homeobox protein	-4.16
Mtr.10248.1.S1_at	Peroxidase precursor	-4.16
Mtr.35286.1.S1_at	Twist related protein 1	-4.16
Mtr.50199.1.S1_at	Hypothetical protein	-4.16
Mtr.17661.1.S1_at	Polyprenyl synthetase	-4.16
Mtr.12407.1.S1_at	Glutamate decarboxylase	-4.15
Mtr.32828.1.S1_at	Nodulin-like protein	-4.15
Mtr.39920.1.S1_at	Receptor like protein	-4.15
Mtr.13998.1.S1_at	Hypothetical protein	-4.14
Mtr.10045.1.S1_at	Hypothetical protein	-4.14
Mtr.6279.1.S1_at	LIM domain containing protein	-4.14
Mtr.13942.1.S1_at	Polyphosphoinositide binding protein	-4.14
Mtr.44469.1.S1_at	Prolyl carboxypeptidase	-4.14
Mtr.45048.1.S1_s_at	Hypothetical protein	-4.13
Mtr.48994.1.S1_at	Hypothetical protein	-4.13
Mtr.10312.1.S1_at	Phytochelatin synthetase-like protein	-4.13
Msa.2987.1.S1_at	Hypothetical protein	-4.13
Mtr.17362.1.S1_at	Beta-Ig-H3/fasciclin	-4.12
Mtr.43311.1.S1_at	BURP domain-containing protein	-4.12
Mtr.13829.1.S1_at	Hypothetical protein	-4.12
Mtr.43596.1.S1_at	Plastid ribosomal protein L19	-4.11
Mtr.35162.1.S1_at	Hypothetical protein	-4.11
Mtr.51697.1.S1_at	Beta-lactamase	-4.11
Mtr.31658.1.S1_s_at	GAI-like protein	-4.11
Mtr.11542.1.S1_s_at	Hypothetical protein	-4.11
Mtr.20633.1.S1_at	General substrate transporter	-4.11
Mtr.6765.1.S1_at	Hypothetical protein	-4.11
Mtr.9912.1.S1_at	Hypothetical protein	-4.11
Mtr.8443.1.S1_at	Hypothetical protein	-4.11
Mtr.34112.1.S1_at	Ferredoxin-thioredoxin reductase	-4.11
Mtr.4867.1.S1_s_at	Hypothetical protein	-4.11
Mtr.24418.1.S1_at	Cytochrome P450	-4.11
Mtr.15549.1.S1_at	Hypothetical protein	-4.10
Mtr.40695.1.S1_s_at	Hypothetical protein	-4.10
Mtr.43518.1.S1_at	Plastidic cysteine synthase 1	-4.10
Mtr.36903.1.S1_at	C1C-Nt1 protein	-4.10
Mtr.7553.1.S1_at	Alanine acetyl transferase	-4.10
Mtr.44280.1.S1_at	Avr9/Cf-9 induced kinase 1	-4.10
Mtr.45399.1.S1_at	Hypothetical protein	-4.10
Mtr.6706.1.S1_at	Hypothetical protein	-4.10
Mtr.4975.1.S1_s_at	SRG1 protein	-4.10

Msa.473.1.S1_at	Hypothetical protein	-4.09
Mtr.9483.1.S1_at	Hypothetical protein	-4.09
Mtr.10331.1.S1_at	Orcinol O-methyltransferase	-4.08
Mtr.19679.1.S1_s_at	Phospholipase/Carboxylesterase	-4.08
Mtr.13051.1.S1_at	Glucose-6-phosphate 1-dehydrogenase 1	-4.08
Mtr.37175.1.S1_at	Chlorophyll a/b binding protein	-4.08
Mtr.37696.1.S1_at	Scarecrow-like 6	-4.07
Mtr.43082.1.S1_at	Omega-6 fatty acid desaturase	-4.07
Mtr.35210.1.S1_at	Kinase like protein	-4.06
Mtr.45418.1.S1_at	Hypothetical protein	-4.06
Mtr.32736.1.S1_at	Hypothetical protein	-4.06
Mtr.13236.1.S1_at	Glucose-6-phosphate dehydrogenase	-4.06
Mtr.10705.1.S1_at	GPI-anchored protein	-4.05
AFFX-Mtr-gsta-M_x_at	2,4-D inducible glutathione S-transferase	-4.05
Mtr.43200.1.S1_at	Adenosine 5'-phosphosulfate reductase	-4.05
Mtr.49874.1.S1_at	Zn-finger, RING	-4.05
Mtr.9857.1.S1_at	Hypothetical protein	-4.05
Mtr.24535.1.S1_at	Peroxidase	-4.05
Mtr.37893.1.S1_s_at	Cytochrome P450 monooxygenase	-4.05
Mtr.37615.1.S1_at	Hypothetical protein	-4.05
Mtr.6751.1.S1_at	Hypothetical protein	-4.05
Mtr.31344.1.S1_at	Oxidoreductase	-4.04
Mtr.32315.1.S1_at	Hypothetical protein	-4.04
Mtr.18567.1.S1_at	Pyruvate kinase	-4.04
Mtr.13750.1.S1_at	Eent-kaurenoic acid hydroxylase	-4.04
Mtr.27829.1.S1_at	Heat shock factor protein hsf8	-4.04
Mtr.43479.1.S1_at	Hypothetical protein	-4.03
Mtr.51015.1.S1_at	Hypothetical protein	-4.03
Mtr.9347.1.S1_at	Hypothetical protein	-4.03
Mtr.33661.1.S1_at	Subtilisin-like serine proteinase	-4.03
Mtr.38643.1.S1_s_at	Sucrose-phosphate synthase	-4.03
Mtr.11974.1.S1_at	Hypothetical protein	-4.03
Mtr.12889.1.S1_at	ATPase-like protein	-4.03
Msa.1696.1.S1_at	Hypothetical protein	-4.03
Mtr.4862.1.S1_at	Oxidoreductase	-4.03
Mtr.7840.1.S1_at	Hypothetical protein	-4.03
Msa.1612.1.S1_at	Hypothetical protein	-4.02
Mtr.2337.1.S1_at	Hypothetical protein	-4.02
Mtr.14519.1.S1_at	RNA-binding region RNP-1	-4.02
Mtr.40308.1.S1_at	Monofunctional aspartokinase	-4.02
Mtr.36799.1.S1_s_at	Hypothetical protein	-4.02
Mtr.31405.1.S1_at	CDR1	-4.02
Mtr.31183.1.S1_at	Long-chain-fatty-acid--CoA ligase 6	-4.02
Mtr.223.1.S1_at	Photolyase/blue-light receptor	-4.01
Mtr.8707.1.S1_at	Hypothetical protein	-4.01
Mtr.12803.1.S1_at	Pyridoxamine 5-phosphate oxidase	-4.01
Mtr.37164.1.S1_at	Heat shock factor	-4.01
Mtr.24495.1.S1_at	Photosystem II 32 kDa protein	-4.01
Mtr.43000.1.S1_at	Hypothetical protein	-4.01
Mtr.6500.1.S1_at	Alcohol NADP+ oxidoreductase	-4.01
Mtr.27067.1.S1_at	DNA binding with one finger	-4.01
Mtr.51659.1.S1_at	Hypothetical protein	-4.01
Mtr.43904.1.S1_at	Cyclase-like protein	-4.01
Mtr.41461.1.S1_at	Hypothetical protein	-4.00

Mtr.45126.1.S1_at	Hypothetical protein	-4.00
Mtr.37315.1.S1_at	Glycolate oxidase	-4.00
Mtr.49120.1.S1_s_at	Cysteine synthase A	-4.00
Mtr.32523.1.S1_at	Peptide transporter	-4.00
Mtr.13752.1.S1_at	Calcineurin B-like protein 10	-4.00
Mtr.14341.1.S1_at	Calponin-like actin-binding protein	-4.00
Mtr.15256.1.S1_at	RNA-binding region RNP-1	-4.00
Msa.1866.1.S1_s_at	Hypothetical protein	-3.99
Mtr.50712.1.S1_at	Hypothetical protein	-3.99
Mtr.42622.1.S1_s_at	Maturase	-3.99
Msa.1405.1.S1_at	Hypothetical protein	-3.99
Mtr.15321.1.S1_at	Serine/threonine protein phosphatase and bis(5-nucleosyl)-tetrakisphosphate	-3.99
Mtr.7389.1.S1_s_at	Yippee-like protein	-3.99
Mtr.21847.1.S1_at	Hypothetical protein	-3.99
Mtr.37666.1.S1_at	Hypothetical protein	-3.99
Msa.2217.1.S1_at	Hypothetical protein	-3.99
Mtr.25510.1.S1_at	Glycosyl hydrolase	-3.99
Mtr.44402.1.S1_at	Hypothetical protein	-3.99
Mtr.26041.1.S1_at	Hypothetical protein	-3.98
Mtr.36799.1.S1_at	Hypothetical protein	-3.98
Mtr.4063.1.S1_at	Hypothetical protein	-3.98
Mtr.39361.1.S1_at	Glucanase like protein	-3.98
Mtr.43749.1.S1_s_at	Hypothetical protein	-3.98
Mtr.1770.1.S1_at	Protein kinase	-3.98
Mtr.6062.1.S1_at	Deoxyribonuclease II	-3.98
Mtr.39386.1.S1_at	Hypothetical protein	-3.98
Mtr.9652.1.S1_at	Hypothetical protein	-3.98
Mtr.43995.1.S1_at	Hypothetical protein	-3.97
Mtr.9808.1.S1_at	Hypothetical protein	-3.97
Mtr.10767.1.S1_at	Agmatine Iminohydrolase	-3.97
Mtr.12679.1.S1_at	Peroxiredoxin-like protein	-3.97
Msa.1951.1.S1_s_at	Hypothetical protein	-3.97
Mtr.42054.1.S1_at	Glu-tRNA(Gln) amidotransferase subunit A	-3.97
Mtr.43600.1.S1_at	Hypothetical protein	-3.97
Mtr.7035.1.S1_at	Hypothetical protein	-3.97
Mtr.7071.1.S1_at	Alcohol oxidase	-3.97
Mtr.33925.1.S1_at	Hypothetical protein	-3.97
Mtr.51665.1.S1_s_at	Photosynthetic reaction centre protein	-3.97
Mtr.21631.1.S1_at	Peptide chain release factor 2	-3.96
Mtr.39702.1.S1_at	Hypothetical protein	-3.96
Mtr.8968.1.S1_at	Hypothetical protein	-3.96
Mtr.9665.1.S1_at	Oikosin 4A protein	-3.96
Mtr.10227.1.S1_at	Cytochrome P450-like protein	-3.96
Mtr.10332.1.S1_at	Class Ib chitinase	-3.96
Mtr.43824.1.S1_at	Thioredoxin M-type 3	-3.96
Msa.1751.1.S1_at	Hypothetical protein	-3.96
Msa.1814.1.S1_at	Hypothetical protein	-3.95
Mtr.115.1.S1_at	Hypothetical protein	-3.95
Mtr.16995.1.S1_at	Hypothetical protein	-3.95
Mtr.42539.1.S1_at	Hypothetical protein	-3.95
Mtr.34879.1.S1_at	Hypothetical protein	-3.95
Mtr.5449.1.S1_at	Hypothetical protein	-3.95
Mtr.34451.1.S1_at	Hypothetical protein	-3.95
Mtr.5356.1.S1_s_at	Beta-mannosidase	-3.95



Mtr.31794.1.S1_s_at	Hypothetical protein	-3.95
Mtr.10926.1.S1_at	Thylakoid lumenal 17.4 kDa protein	-3.94
Mtr.40998.1.S1_at	Hypothetical protein	-3.94
Mtr.1621.1.S1_at	Hypothetical protein	-3.94
Mtr.27403.1.S1_at	Hypothetical protein	-3.94
Mtr.38209.1.S1_at	Polysaccharide ABC transporter	-3.94
Mtr.31189.1.S1_at	Trehalose-6-phosphate phosphatase	-3.94
Mtr.6074.1.S1_at	Valine-tRNA ligase	-3.94
Mtr.33779.1.S1_at	Threonyl-tRNA synthetase	-3.93
Mtr.5452.1.S1_at	ABC transporter	-3.93
Mtr.33726.1.S1_at	Sugar transporter	-3.93
Msa.1835.1.S1_at	Hypothetical protein	-3.93
Mtr.9095.1.S1_at	30S ribosomal protein S9	-3.93
Mtr.5125.1.S1_s_at	Isoflavone reductase	-3.93
Mtr.12359.1.S1_at	enod40 mRNA for non-translatable RNA	-3.93
Mtr.31487.1.S1_s_at	Agmatine Iminohydrolase	-3.93
Msa.2707.1.S1_at	Hypothetical protein	-3.93
Mtr.10025.1.S1_at	Phosphoribosylanthranilate transferase-like protein	-3.93
Mtr.34499.1.S1_at	Hypothetical protein	-3.92
Mtr.31664.1.S1_at	Hypothetical protein	-3.92
Mtr.11249.1.S1_s_at	Calcineurin B-like protein 10	-3.92
Mtr.43492.1.S1_at	Hypothetical protein	-3.92
Mtr.6699.1.S1_at	Lhcb2 protein (Light harvesting chlorophyll a/b-binding protein)	-3.92
Mtr.40976.1.S1_at	Transcription factor Hap5a	-3.92
Mtr.9854.1.S1_at	Hypothetical protein	-3.91
Mtr.33742.1.S1_at	Acyl-CoA thioesterase	-3.91
Mtr.50217.1.S1_s_at	AFG1-like ATPase	-3.91
Mtr.42769.1.S1_at	Hypothetical protein	-3.91
Mtr.15971.1.S1_at	Glycine cleavage T protein	-3.90
Mtr.33769.1.S1_s_at	Prolyl carboxypeptidase	-3.90
Mtr.9861.1.S1_at	Hypothetical protein	-3.90
Mtr.49014.1.S1_at	SNO glutamine amidotransferase	-3.90
Mtr.9263.1.S1_at	Glycine-tRNA ligase	-3.90
Mtr.2661.1.S1_at	Serine acetyltransferase	-3.90
Msa.1021.1.S1_at	Hypothetical protein	-3.90
Mtr.44584.1.S1_at	Transfactor-like protein	-3.90
Mtr.16432.1.S1_at	Myb, DNA-binding	-3.89
Mtr.25689.1.S1_at	UDP-glucose 6-dehydrogenase	-3.89
Mtr.10665.1.S1_at	Hypothetical protein	-3.89
Mtr.24561.1.S1_s_at	UDP-glycosyltransferase	-3.89
Mtr.10873.1.S1_at	Hypothetical protein	-3.89
Mtr.9105.1.S1_at	Coproporphyrinogen oxidase	-3.89
Mtr.42749.1.S1_at	Late embryogenesis abundant protein 1	-3.88
Mtr.24331.1.S1_s_at	Hypothetical protein	-3.88
Mtr.6750.1.S1_at	Serine carboxypeptidase	-3.88
Mtr.5788.1.S1_s_at	Hypothetical protein	-3.88
Mtr.34815.1.S1_at	Hypothetical protein	-3.88
Mtr.44320.1.S1_at	Hypothetical protein	-3.87
Mtr.29176.1.S1_at	Metal-dependent phosphohydrolase HD domain-containing protein	-3.87
Mtr.31537.1.S1_at	Hypothetical protein	-3.87
Mtr.9268.1.S1_at	Hypothetical protein	-3.87
Mtr.32795.1.S1_s_at	Hypothetical protein	-3.86
Mtr.32230.1.S1_at	Glycine-sarcosine methyltransferase	-3.86
Mtr.27907.1.S1_at	Pectate lyase	-3.86

Mtr.13579.1.S1_at	Photoreceptor-interacting transcription factor	-3.86
Mtr.3013.1.S1_at	UDP-glucuronosyltransferase	-3.86
Msa.1661.1.S1_at	Hypothetical protein	-3.86
Mtr.4981.1.S1_at	Dehydration-responsive protein	-3.86
Mtr.33111.1.S1_at	Hypothetical protein	-3.86
Mtr.32670.1.S1_at	UDP-glucose:salicylic acid glucosyltransferase	-3.86
Mtr.2881.1.S1_at	Hypothetical protein	-3.86
Mtr.42999.1.S1_at	Photosystem I psaH	-3.85
Mtr.34594.1.S1_s_at	Thylakoid lumenal 17.4 kDa protein	-3.85
Mtr.40506.1.S1_at	Serine carboxypeptidase II	-3.85
Mtr.33014.1.S1_s_at	Hypothetical protein	-3.85
Mtr.5656.1.S1_at	Vacuolar H <sup>+</sup> -ATPase B subunit	-3.85
Mtr.52119.1.S1_at	Protein phosphatase 2C	-3.84
Mtr.2385.1.S1_at	Hypothetical protein	-3.84
Mtr.19691.1.S1_at	Hypothetical protein	-3.84
Mtr.48864.1.S1_at	Zn-finger, Dof type	-3.84
Mtr.37352.1.S1_at	Trypsin protein inhibitor 3	-3.84
Msa.2735.1.S1_at	Hypothetical protein	-3.84
Mtr.38283.1.S1_at	Hypothetical protein	-3.84
Mtr.37927.1.S1_at	Hypothetical protein	-3.84
Mtr.11721.1.S1_at	Lycopene epsilon-cyclase	-3.84
Mtr.34395.1.S1_at	Hypothetical protein	-3.83
Mtr.46510.1.S1_at	Alpha/beta-amyrin synthase	-3.83
Mtr.36918.1.S1_at	Hypothetical protein	-3.83
Msa.1716.1.S1_at	Hypothetical protein	-3.83
Mtr.40695.1.S1_at	Hypothetical protein	-3.83
Mtr.43250.1.S1_at	Subtilisin-like protease	-3.83
Mtr.28655.1.S1_at	Hypothetical protein	-3.83
Mtr.29249.1.S1_at	Hypothetical protein	-3.83
Mtr.44847.1.S1_at	Glycosyltransferase family protein	-3.83
Mtr.12787.1.S1_at	Membrane-associated 30 kDa protein	-3.82
Mtr.28729.1.S1_at	Serine protease	-3.82
Mtr.20942.1.S1_x_at	Serine/threonine protein kinase	-3.82
Mtr.32655.1.S1_at	Hypothetical protein	-3.82
Mtr.37821.1.S1_at	Hypothetical protein	-3.82
Mtr.2587.1.S1_at	Membrane-associated salt-inducible protein	-3.82
Mtr.33734.1.S1_at	Phosphoglycerate mutase	-3.82
Mtr.50700.1.S1_s_at	Serine/threonine protein kinase	-3.82
Mtr.9977.1.S1_at	Hypothetical protein	-3.81
Mtr.31819.1.S1_at	UDP rhamnose	-3.81
Mtr.7957.1.S1_at	Hypothetical protein	-3.81
Mtr.50814.1.S1_at	Hypothetical protein	-3.81
Mtr.41311.1.S1_at	Hypothetical protein	-3.81
Mtr.27078.1.S1_at	Selenium-binding protein	-3.81
Mtr.51464.1.S1_at	Hypothetical protein	-3.81
Mtr.26276.1.S1_at	CER1 protein	-3.81
Mtr.13501.1.S1_at	Alanyl-tRNA synthetase	-3.81
Mtr.14002.1.S1_at	Calcium binding protein	-3.81
Mtr.10876.1.S1_at	Hypothetical protein	-3.80
Mtr.27872.1.S1_at	ATPase	-3.80
Mtr.4684.1.S1_s_at	Hypothetical protein	-3.80
Mtr.39477.1.S1_at	Myosin-like protein	-3.80
Mtr.22763.1.S1_at	Hypothetical protein	-3.79
Mtr.17972.1.S1_at	Glycoside hydrolase	-3.79

Mtr.13783.1.S1_at	Hypothetical protein	-3.79
Mtr.3440.1.S1_at	Hypothetical protein	-3.79
Mtr.19629.1.S1_at	Hypothetical protein	-3.79
Mtr.44465.1.S1_at	Amino acid transporter	-3.79
Mtr.26277.1.S1_at	Lycopene beta-cyclase	-3.79
Mtr.14580.1.S1_at	Zn-finger, RING	-3.79
Mtr.8926.1.S1_at	Alpha-D-xylosidase	-3.79
Mtr.36687.1.S1_at	Hypothetical protein	-3.78
Mtr.40975.1.S1_at	Nitrite transport protein	-3.78
Mtr.44765.1.S1_at	Lycopene epsilon cyclase	-3.78
Mtr.38225.1.S1_at	Arm repeat-containing protein	-3.78
Mtr.24451.1.S1_at	Hypothetical protein	-3.78
Mtr.11518.1.S1_at	Hypothetical protein	-3.78
Mtr.39462.1.S1_at	Glu-tRNA(Gln) amidotransferase subunit A	-3.78
Mtr.17822.1.S1_at	Cytochrome P450	-3.78
Msa.1046.1.S1_at	Hypothetical protein	-3.77
Mtr.9325.1.S1_at	Hypothetical protein	-3.77
Mtr.15048.1.S1_s_at	HAD-superfamily subfamily IIA hydrolase	-3.77
Mtr.6354.1.S1_at	Tetratricopeptide repeat (TPR)-containing protein	-3.77
Mtr.39039.1.S1_at	Ankyrin like protein	-3.77
Mtr.29065.1.S1_at	GTP cyclohydrolase I	-3.77
Mtr.40639.1.S1_at	Hypothetical protein	-3.77
Mtr.5058.1.S1_at	Cryptochrome 1	-3.77
Mtr.43528.1.S1_at	Fructokinase 3	-3.76
Mtr.5171.1.S1_at	Hypothetical protein	-3.76
Mtr.37464.1.S1_at	Hypothetical protein	-3.76
Mtr.32351.1.S1_at	Hypothetical protein	-3.76
Mtr.5236.1.S1_s_at	Hypothetical protein	-3.76
Mtr.5850.1.S1_at	Protein kinase	-3.76
Mtr.12644.1.S1_at	Fiber protein Fb34	-3.76
Mtr.10288.1.S1_at	Kinase like protein	-3.76
Mtr.39152.1.S1_at	Mitochondrial half-ABC transporter	-3.76
Mtr.42188.1.S1_at	Yippee-like protein	-3.76
Mtr.31137.1.S1_at	Hypothetical protein	-3.76
Mtr.15596.1.S1_s_at	C2 calcium/lipid-binding protein	-3.76
Mtr.16273.1.S1_at	Proteinase inhibitor I12	-3.75
Mtr.33519.1.S1_at	Cold acclimation responsive protein	-3.75
Mtr.8447.1.S1_s_at	Hypothetical protein	-3.75
Mtr.8728.1.S1_at	Hypothetical protein	-3.75
Mtr.23870.1.S1_at	Hypothetical protein	-3.75
Mtr.11939.1.S1_at	RelA-SpoT like protein RSH1	-3.75
Mtr.6773.1.S1_at	Myosin heavy chain-like protein	-3.75
Msa.399.1.S1_at	Hypothetical protein	-3.74
Mtr.6087.1.S1_at	Hypothetical protein	-3.74
Mtr.5638.1.S1_at	Hypothetical protein	-3.74
Mtr.50799.1.S1_s_at	Cupredoxin	-3.74
Mtr.8778.1.S1_at	Hypothetical protein	-3.74
Mtr.13885.1.S1_at	Actin-like protein	-3.74
Mtr.40987.1.S1_at	Hypothetical protein	-3.74
Mtr.42200.1.S1_s_at	Protein kinase APK1B	-3.74
Mtr.10186.1.S1_at	Hypothetical protein	-3.74
Mtr.42216.1.S1_at	RanGAP1 interacting protein	-3.73
Mtr.27440.1.S1_at	Hypothetical protein	-3.73
Mtr.23946.1.S1_at	Receptor kinase	-3.73

Mtr.11841.1.S1_at	Lecithine cholesterol acyltransferase	-3.73
Mtr.13573.1.S1_at	Cleavage stimulation factor 50K	-3.73
Mtr.39047.1.S1_at	RNA helicase-like protein	-3.73
Mtr.41057.1.S1_at	Hypothetical protein	-3.73
Mtr.48462.1.S1_s_at	Hypothetical protein	-3.73
Mtr.22047.1.S1_at	Hypothetical protein	-3.72
Mtr.44031.1.S1_at	Hypothetical protein	-3.72
Mtr.2596.1.S1_at	Protein kinase	-3.72
Mtr.18659.1.S1_s_at	Hly-III related proteins	-3.72
Mtr.18268.1.S1_at	Serine/threonine protein kinase	-3.72
Mtr.45093.1.S1_at	Beta-carotene hydroxylase	-3.72
Mtr.8750.1.S1_at	Homeobox protein knotted-1 like 3 (KNAP3)	-3.72
Mtr.1035.1.S1_at	Heat shock protein	-3.72
Mtr.44377.1.S1_at	Ferric leghemoglobin reductase	-3.72
Mtr.23937.1.S1_at	Hypothetical protein	-3.72
Mtr.13194.1.S1_s_at	RanGAP1 interacting protein	-3.72
Mtr.38268.1.S1_at	Hypothetical protein	-3.72
Mtr.27203.1.S1_at	Hypothetical protein	-3.71
Mtr.18673.1.S1_at	Esterase/lipase/thioesterase	-3.71
Mtr.40151.1.S1_at	Cellulose synthase	-3.71
Mtr.8220.1.S1_at	Hypothetical protein	-3.71
Msa.1378.1.S1_at	Hypothetical protein	-3.71
Mtr.37287.1.S1_s_at	Beta-glucosidase	-3.71
Mtr.7932.1.S1_s_at	Allyl alcohol dehydrogenase	-3.71
Mtr.17456.1.S1_at	Hypothetical protein	-3.71
Mtr.19730.1.S1_at	Microtubule-associated protein	-3.70
Mtr.6163.1.S1_at	Hypothetical protein	-3.70
Mtr.11277.1.S1_at	Hydroxymethylglutaryl-CoA lyase	-3.70
Mtr.12978.1.S1_at	3-hydroxyisobutyrate dehydrogenase	-3.70
Msa.1654.1.S1_at	Hypothetical protein	-3.70
Mtr.44678.1.S1_at	Hypothetical protein	-3.70
Msa.1619.1.S1_at	Hypothetical protein	-3.70
Mtr.2656.1.S1_at	Serine/threonine protein kinase	-3.70
Mtr.8254.1.S1_s_at	Hypothetical protein	-3.70
Msa.2287.1.S1_at	Hypothetical protein	-3.69
Mtr.16219.1.S1_at	Zn-finger, B-box	-3.69
Mtr.41837.1.S1_s_at	Hypothetical protein	-3.69
Mtr.45013.1.S1_at	Hypothetical protein	-3.69
Mtr.34418.1.S1_at	Hypothetical protein	-3.69
Mtr.35108.1.S1_s_at	NAP	-3.69
Mtr.14257.1.S1_at	Magnesium-protoporphyrin IX methyltransferase	-3.69
Mtr.40395.1.S1_at	MtN29 protein	-3.69
Mtr.37525.1.S1_at	Multifunctional aquaporin	-3.69
Mtr.38754.1.S1_at	Chloride channel protein	-3.69
Mtr.11364.1.S1_at	Cytochrome P450	-3.69
Mtr.40906.1.S1_at	Quinone oxidoreductase	-3.68
Mtr.15596.1.S1_at	C2 calcium/lipid-binding protein	-3.68
Mtr.1902.1.S1_at	Hypothetical protein	-3.68
Mtr.41950.1.S1_at	ABC transporter	-3.67
Mtr.28056.1.S1_at	Hypothetical protein	-3.67
Mtr.8275.1.S1_at	Calcium-transporting ATPase 9	-3.67
Mtr.5622.1.S1_at	Hypothetical protein	-3.67
Mtr.28571.1.S1_at	Phosphoribosylanthranilate transferase	-3.67
Mtr.35868.1.S1_at	Hypothetical protein	-3.67

Mtr.9685.1.S1_at	CAAX amino terminal protease	-3.67
Mtr.2083.1.S1_s_at	Glutamate decarboxylase 1	-3.67
Mtr.8967.1.S1_s_at	Hypothetical protein	-3.67
Mtr.44368.1.S1_at	Hypothetical protein	-3.67
Mtr.50278.1.S1_s_at	Small GTP-binding protein	-3.66
Mtr.42552.1.S1_at	Anthocyanidin-3-glucoside rhamnosyltransferase	-3.66
Mtr.28405.1.S1_at	General negative transcription regulator	-3.66
Mtr.23112.1.S1_at	Chloride channel-like (CLC) protein	-3.66
Mtr.13141.1.S1_at	Chloroplast nucleoid DNA binding protein	-3.66
Mtr.44038.1.S1_at	Hypothetical protein	-3.65
Mtr.11805.1.S1_at	Hypothetical protein	-3.65
Mtr.27970.1.S1_at	Hypothetical protein	-3.65
Mtr.23994.1.S1_at	Homeodomain transcription factor	-3.65
Mtr.9451.1.S1_at	Hypothetical protein	-3.65
Mtr.12148.1.S1_s_at	Hypothetical protein	-3.65
Mtr.12741.1.S1_at	Hypothetical protein	-3.65
Mtr.12001.1.S1_at	Imidazole-4-carboxamide isomerase	-3.65
Mtr.42432.1.S1_at	Hypothetical protein	-3.65
Mtr.43748.1.S1_s_at	Hypothetical protein	-3.65
Mtr.19564.1.S1_s_at	Hypothetical protein	-3.65
Mtr.10321.1.S1_at	Glycerophosphoryl diester phosphodiesterase 2	-3.64
Mtr.51597.1.S1_s_at	Hypothetical protein	-3.64
Mtr.29098.1.S1_at	Long chain acyl-CoA synthetase 5	-3.64
Mtr.712.1.S1_at	Thioredoxin	-3.64
Mtr.33880.1.S1_s_at	Hypothetical protein	-3.64
Mtr.28688.1.S1_at	Hypothetical protein	-3.64
Mtr.11631.1.S1_at	Chloroplast alpha-glucan water dikinase	-3.64
Mtr.33457.1.S1_s_at	Galactinol synthase	-3.64
Mtr.13230.1.S1_at	Glycosyl transferase	-3.64
Mtr.9018.1.S1_at	Tic20	-3.63
Mtr.38700.1.S1_at	Hypothetical protein	-3.63
Mtr.35622.1.S1_at	Hypothetical protein	-3.63
Mtr.41140.1.S1_at	Hypothetical protein	-3.63
Mtr.38761.1.S1_s_at	Cell division protein FtsH-like	-3.63
Mtr.49013.1.S1_at	Hypothetical protein	-3.63
Mtr.6112.1.S1_at	Cytochrome p450	-3.63
Mtr.36969.1.S1_at	Beta-galactosidase	-3.63
Mtr.42232.1.S1_at	Hypothetical protein	-3.63
Mtr.28232.1.S1_s_at	RNA helicase	-3.63
Mtr.6854.1.S1_at	Two-component system sensor histidine kinase	-3.63
Mtr.10887.1.S1_at	Hypothetical protein	-3.63
Mtr.12798.1.S1_at	Benzoyl coenzyme A: benzyl alcohol benzoyl transferase	-3.63
Mtr.785.1.S1_s_at	Chloroplast initiation factor 3	-3.63
Mtr.17598.1.S1_at	Hypothetical protein	-3.62
Mtr.13200.1.S1_at	Hypothetical protein	-3.62
Mtr.39445.1.S1_at	Polygalacturonase isoenzyme 1 beta subunit	-3.62
Mtr.28068.1.S1_at	Hypothetical protein	-3.62
Mtr.49845.1.S1_at	Hypothetical protein	-3.62
Mtr.39696.1.S1_at	Hypothetical protein	-3.62
Mtr.37613.1.S1_at	Annexin-like protein	-3.62
Mtr.43677.1.S1_at	50S ribosomal protein L5	-3.61
Mtr.9455.1.S1_at	Hypothetical protein	-3.61
Mtr.35247.1.S1_at	Aquaporin-like transmembrane channel protein	-3.61
Mtr.9554.1.S1_at	Histone H4	-3.61

Msa.1661.1.S1_s_at	Hypothetical protein	-3.61
Mtr.5029.1.S1_at	Hypothetical protein	-3.60
Mtr.30232.1.S1_at	Hypothetical protein	-3.60
Mtr.38649.1.S1_at	Seed maturation-like protein	-3.60
Mtr.13889.1.S1_at	Hypothetical protein	-3.60
Mtr.33046.1.S1_at	Hypothetical protein	-3.60
Mtr.10065.1.S1_at	Hypothetical protein	-3.60
Mtr.42344.1.S1_at	Hypothetical protein	-3.60
Mtr.37359.1.S1_at	50S ribosomal protein L18	-3.60
Mtr.4368.1.S1_at	Light harvesting protein	-3.59
Msa.2822.1.S1_at	Hypothetical protein	-3.59
Mtr.28082.1.S1_s_at	Hypothetical protein	-3.59
Mtr.45091.1.S1_at	ABC transporter	-3.59
Mtr.10403.1.S1_at	Photosystem I reaction center subunit IV A	-3.59
Mtr.48199.1.S1_at	Hypothetical protein	-3.59
Mtr.40397.1.S1_at	Cytochrome P450 78A3	-3.59
Mtr.2204.1.S1_at	Hypothetical protein	-3.59
Mtr.6937.1.S1_at	Hypothetical protein	-3.59
Mtr.45509.1.S1_at	Hypothetical protein	-3.59
Mtr.47145.1.S1_at	C2H2-type zinc finger protein	-3.59
Mtr.11444.1.S1_at	Receptor-like protein kinase	-3.59
Mtr.7796.1.S1_at	Hypothetical protein	-3.58
Mtr.11994.1.S1_at	ABC transporter	-3.58
Mtr.2197.1.S1_at	Hypothetical protein	-3.58
Mtr.12080.1.S1_s_at	Hypothetical protein	-3.58
Msa.2137.1.S1_at	Hypothetical protein	-3.58
Mtr.28234.1.S1_at	Hypothetical protein	-3.58
Mtr.14574.1.S1_at	Syntaxin	-3.58
Mtr.44971.1.S1_at	Hypothetical protein	-3.57
Mtr.7450.1.S1_at	Hypothetical protein	-3.57
Mtr.13869.1.S1_at	Calcium-activated outward-rectifying potassium channel 5	-3.57
Mtr.45329.1.S1_at	Protein kinase	-3.57
Mtr.43925.1.S1_at	Histone H2A	-3.57
Mtr.43749.1.S1_at	Hypothetical protein	-3.57
Mtr.9855.1.S1_at	Hypothetical protein	-3.57
Mtr.45240.1.S1_at	Hypothetical protein	-3.56
Mtr.34726.1.S1_at	Photosystem I reaction center subunit II	-3.56
Mtr.41782.1.S1_at	Hypothetical protein	-3.56
Mtr.44813.1.S1_at	Aromatic rich glycoprotein	-3.56
Mtr.10412.1.S1_at	Oxygen-evolving enhancer protein 3	-3.56
Mtr.22161.1.S1_at	Hypothetical protein	-3.56
Mtr.4282.1.S1_at	HAP3-like transcriptional-activator	-3.56
Mtr.29292.1.S1_at	Hypothetical protein	-3.56
Mtr.16358.1.S1_at	Glyoxalase/extradiol ring-cleavage dioxygenase	-3.55
Mtr.5808.1.S1_at	UDP-glycosyltransferase 89B2	-3.55
Mtr.33744.1.S1_s_at	Hypothetical protein	-3.55
Mtr.5919.1.S1_at	Hypothetical protein	-3.55
Mtr.49327.1.S1_at	Hypothetical protein	-3.55
Mtr.42606.1.S1_at	Hypothetical protein	-3.54
Mtr.10826.1.S1_at	Rho GDP dissociation inhibitor 1, complete	-3.54
Mtr.25077.1.S1_at	Hypothetical protein	-3.54
Mtr.9877.1.S1_at	Short-chain dehydrogenase/reductase	-3.54
Mtr.20947.1.S1_at	Serine/threonine protein kinase	-3.54
Mtr.39345.1.S1_at	Oligopeptidase B	-3.54

Mtr.11785.1.S1_at	Hypothetical protein	-3.54
Mtr.42121.1.S1_at	1-aminocyclopropane-1-carboxylate synthase	-3.54
Mtr.13372.1.S1_at	Hypothetical protein	-3.53
Mtr.152.1.S1_at	Vestitone reductase	-3.53
Mtr.36792.1.S1_at	Hypothetical protein	-3.53
Mtr.18262.1.S1_at	Hypothetical protein	-3.53
Mtr.28569.1.S1_s_at	Remorin	-3.53
Mtr.9163.1.S1_at	Hypothetical protein	-3.53
Mtr.12805.1.S1_at	Hypothetical protein	-3.53
Mtr.784.1.S1_s_at	Translation initiation factor	-3.53
Mtr.13736.1.S1_at	Senescence-associated protein SAG102	-3.53
Mtr.37692.1.S1_at	Glutathione-dependent formaldehyde dehydrogenase	-3.52
Mtr.8848.1.S1_at	Alpha-xylosidase	-3.52
Mtr.41151.1.S1_at	Cer2 protein	-3.52
Mtr.14183.1.S1_at	Annexin	-3.52
Msa.1301.1.S1_at	Hypothetical protein	-3.52
Mtr.40863.1.S1_at	Hypothetical protein	-3.52
Mtr.43488.1.S1_at	Hypothetical protein	-3.51
Mtr.5041.1.S1_s_at	Alcohol dehydrogenase 1	-3.51
Mtr.36992.1.S1_at	Seed maturation-like protein	-3.51
Msa.1697.1.S1_at	Hypothetical protein	-3.51
Mtr.25499.1.S1_s_at	NifU-related metallocluster assembly factor	-3.51
Mtr.12375.1.S1_at	Photosystem I reaction center subunit III	-3.51
Mtr.46659.1.S1_at	Hypothetical protein	-3.51
Mtr.18628.1.S1_at	Lipid-binding START	-3.51
Mtr.9599.1.S1_at	Hypothetical protein	-3.51
Msa.3017.1.S1_at	Hypothetical protein	-3.51
Mtr.27391.1.S1_at	N-acylethanolamine amidohydrolase	-3.51
Mtr.32192.1.S1_at	Hypothetical protein	-3.50
Mtr.50756.1.S1_at	Hypothetical protein	-3.50
Mtr.6108.1.S1_at	Hypothetical protein	-3.50
Mtr.11148.1.S1_at	Multi resistance protein	-3.50
Mtr.38545.1.S1_s_at	Kinesin 1 (Kinesin-like protein A)	-3.50
Mtr.40247.1.S1_at	Salicylic acid glucosyltransferase	-3.50
Mtr.42622.1.S1_at	Maturase	-3.50
Mtr.43815.1.S1_at	Hypothetical protein	-3.49
Msa.1941.1.S1_at	Hypothetical protein	-3.48
Mtr.37355.1.S1_at	GAI-like protein	-3.48
Mtr.15042.1.S1_at	Histidine kinase A	-3.48
Mtr.27421.1.S1_s_at	NADPH HC toxin reductase	-3.48
Mtr.26358.1.S1_at	Hypothetical protein	-3.48
Mtr.20815.1.S1_at	Hypothetical protein	-3.48
Mtr.31577.1.S1_at	Imidazole-4-carboxamide isomerase	-3.48
Mtr.29219.1.S1_at	Alcohol oxidase	-3.48
Mtr.39786.1.S1_at	Beta-carotene hydroxylase	-3.48
Mtr.40922.1.S1_at	Hypothetical protein	-3.48
Mtr.38947.1.S1_s_at	Hypothetical protein	-3.48
Mtr.41644.1.S1_at	Hypothetical protein	-3.48
Mtr.7486.1.S1_s_at	Zinc finger protein	-3.47
Mtr.41014.1.S1_at	Hypothetical protein	-3.47
Mtr.13136.1.S1_at	Fasciclin-like AGP 10	-3.47
Mtr.12218.1.S1_at	Cytochrome B6-F complex iron-sulfur subunit	-3.47
Mtr.25643.1.S1_at	B-type cyclin	-3.47
Mtr.45352.1.S1_s_at	Glutathione transporter	-3.47

Mtr.42446.1.S1_at	Nitrate reductase	-3.47
Mtr.43423.1.S1_at	Hypothetical protein	-3.47
Msa.2836.1.S1_at	Hypothetical protein	-3.47
Mtr.5291.1.S1_at	Hypothetical protein	-3.47
Mtr.10483.1.S1_at	Esterase D	-3.47
Mtr.8265.1.S1_at	Pectinacetylerase-like protein	-3.47
Mtr.37908.1.S1_at	Peroxidase	-3.47
Mtr.16086.1.S1_at	Hypothetical protein	-3.47
Mtr.39543.1.S1_at	DNAJ heat shock N-terminal domain-containing protein	-3.46
Msa.926.1.S1_at	Hypothetical protein	-3.46
Mtr.33025.1.S1_s_at	Salt-inducible protein	-3.46
Mtr.28642.1.S1_at	Hypothetical protein	-3.46
Mtr.5862.1.S1_at	Photosystem II 22 kDa protein	-3.46
Mtr.45513.1.S1_at	Hypothetical protein	-3.46
Mtr.13209.1.S1_at	Hypothetical protein	-3.46
Mtr.26048.1.S1_at	Hypothetical protein	-3.46
Mtr.31119.1.S1_at	MRP-like ABC transporter	-3.46
Mtr.23330.1.S1_at	Mitochondrial carrier protein	-3.46
Mtr.29047.1.S1_at	Hypothetical protein	-3.45
Mtr.831.1.S1_at	Hypothetical protein	-3.45
Mtr.27418.1.S1_at	Hypothetical protein	-3.45
Mtr.27110.1.S1_at	C2 domain-containing protein	-3.45
Mtr.31536.1.S1_at	Hypothetical protein	-3.45
Mtr.29088.1.S1_at	Hypothetical protein	-3.45
Mtr.13378.1.S1_at	Zinc finger protein 4	-3.45
Mtr.6912.1.S1_at	Hypothetical protein	-3.45
Mtr.45252.1.S1_s_at	Calcium-binding protein CAST	-3.44
Mtr.8870.1.S1_at	Cytochrome P450 monooxygenase	-3.44
Mtr.2599.1.S1_at	Hypothetical protein	-3.44
Mtr.43402.1.S1_at	Ankyrin-like protein	-3.44
Mtr.19917.1.S1_at	Auxin responsive SAUR	-3.44
Mtr.38020.1.S1_at	Monodehydroascorbate reductase	-3.44
Mtr.8839.1.S1_at	Gamma-tocopherol methyltransferase	-3.44
Mtr.13551.1.S1_at	mRNA cleavage factor subunit	-3.44
Mtr.27901.1.S1_at	Hypothetical protein	-3.44
Mtr.13256.1.S1_at	Protein phosphatase-2C	-3.44
Mtr.7496.1.S1_at	Hypothetical protein	-3.43
Mtr.16049.1.S1_at	Hypothetical protein	-3.43
Mtr.32484.1.S1_at	Hypothetical protein	-3.43
Mtr.41768.1.S1_at	Verticillium wilt disease resistance protein	-3.43
Mtr.44814.1.S1_at	Ycf49-like protein	-3.42
Mtr.44526.1.S1_at	Hypothetical protein	-3.42
Mtr.9363.1.S1_s_at	Diphosphonucleotide phosphatase	-3.42
Mtr.24519.1.S1_at	Globulin-like protein	-3.42
Mtr.36341.1.S1_s_at	Tetracycline transporter protein	-3.42
Mtr.15511.1.S1_at	Hypothetical protein	-3.42
Mtr.15646.1.S1_at	Hypothetical protein	-3.42
Mtr.28982.1.S1_at	Hypothetical protein	-3.42
Msa.1025.1.S1_at	Hypothetical protein	-3.42
Mtr.2226.1.S1_at	Hypothetical protein	-3.42
Mtr.44853.1.S1_at	Constitutively photomorphogenic 1 protein	-3.41
Mtr.39493.1.S1_at	Squamosa promoter binding protein	-3.41
Mtr.37597.1.S1_s_at	Hypothetical protein	-3.41
Mtr.22801.1.S1_at	Polynucleotide phosphorylase	-3.41



Mtr.7841.1.S1_at	Hypothetical protein	-3.41
Mtr.27040.1.S1_s_at	Hypothetical protein	-3.41
Mtr.41982.1.S1_at	Sulfate transporter ATST1	-3.41
Mtr.18250.1.S1_at	Nuclear protein SET	-3.41
Mtr.10608.1.S1_at	Glutamine cyclotransferase	-3.41
Mtr.43427.1.S1_at	Hypothetical protein	-3.41
Mtr.52183.1.S1_at	Concanavalin A-like lectin	-3.41
Mtr.34788.1.S1_at	Glyceraldehyde-3-phosphate dehydrogenase	-3.40
Mtr.40458.1.S1_at	Hypothetical protein	-3.40
Mtr.12262.1.S1_at	Extensin	-3.40
Mtr.39936.1.S1_at	Spermidine synthase 2	-3.40
Mtr.13189.1.S1_at	Hypothetical protein	-3.40
Msa.1600.1.S1_at	Hypothetical protein	-3.40
Mtr.13662.1.S1_s_at	Protein kinase	-3.40
Mtr.50467.1.S1_at	Serine/threonine protein kinase	-3.40
Mtr.43891.1.S1_at	Hypothetical protein	-3.40
Mtr.27411.1.S1_s_at	Ribonucleoprotein	-3.40
Mtr.38333.1.S1_at	Hypothetical protein	-3.40
Msa.3107.1.S1_at	Hypothetical protein	-3.39
Mtr.49166.1.S1_at	Short-chain dehydrogenase/reductase	-3.39
Mtr.20335.1.S1_at	Pectin acetyltransferase	-3.39
Mtr.25320.1.S1_at	Hypothetical protein	-3.39
Mtr.38913.1.S1_at	Hypothetical protein	-3.39
Mtr.32078.1.S1_at	Hypothetical protein	-3.39
Mtr.8418.1.S1_at	Xylulose kinase	-3.39
Mtr.38132.1.S1_a_at	Homeobox 2 protein	-3.39
Mtr.20398.1.S1_at	Hypothetical protein	-3.38
Mtr.18268.1.S1_s_at	Serine/threonine protein kinase	-3.38
Mtr.19083.1.S1_at	ABC transporter	-3.38
Mtr.24082.1.S1_at	Haloacid dehalogenase-like hydrolase	-3.38
Mtr.11510.1.S1_at	Hypothetical protein	-3.38
Mtr.20332.1.S1_at	Pectin acetyltransferase	-3.38
Mtr.33744.1.S1_at	Hypothetical protein	-3.38
Mtr.37742.1.S1_s_at	Methionine sulfoxide reductase A	-3.38
Mtr.44708.1.S1_at	Hypothetical protein	-3.38
Mtr.28673.1.S1_at	Hypothetical protein	-3.37
Mtr.42768.1.S1_at	Fasciclin-like arabinogalactan protein 1	-3.37
Mtr.2081.1.S1_at	Hypothetical protein	-3.37
Mtr.35648.1.S1_at	bHLH transcription factor	-3.37
Mtr.41025.1.S1_at	Hypothetical protein	-3.37
Mtr.46334.1.S1_at	Serine/threonine protein kinase	-3.37
Mtr.17396.1.S1_s_at	Cellulose synthase	-3.37
Mtr.41183.1.S1_at	Growth regulator-related protein	-3.36
Mtr.5178.1.S1_s_at	Hydroxyisourate hydrolase	-3.36
Mtr.32826.1.S1_at	Hypothetical protein	-3.36
Mtr.17339.1.S1_at	50s ribosomal protein 118	-3.36
Msa.2895.1.S1_at	Hypothetical protein	-3.36
Mtr.39076.1.S1_at	Hypothetical protein	-3.36
Mtr.36865.1.S1_s_at	Hypothetical protein	-3.36
Mtr.52115.1.S1_s_at	Hypothetical protein	-3.35
Mtr.41659.1.S1_at	Chloroplast carotenoid epsilon-ring hydroxylase	-3.35
Mtr.20939.1.S1_at	Hypothetical protein	-3.35
Mtr.45091.1.S1_x_at	ABC transporter	-3.35
Mtr.41480.1.S1_at	Polygalacturonase isoenzyme 1 beta subunit	-3.35

Mtr.9768.1.S1_at	Hypothetical protein	-3.35
Mtr.47251.1.S1_at	Hypothetical protein	-3.35
Mtr.9109.1.S1_at	Paa2 P-type ATPase	-3.34
Mtr.16766.1.S1_at	Hypothetical protein	-3.34
Mtr.9284.1.S1_at	Hypothetical protein	-3.34
Mtr.8249.1.S1_at	Hypothetical protein	-3.34
Mtr.5545.1.S1_at	Hypothetical protein	-3.34
Mtr.46514.1.S1_s_at	Alpha/beta-amyrin synthase	-3.34
Mtr.22379.1.S1_s_at	Hypothetical protein	-3.34
Mtr.26297.1.S1_at	Hypothetical protein	-3.34
Mtr.20499.1.S1_at	Phosphatidylinositol-4-phosphate 5-kinase	-3.34
Mtr.29161.1.S1_at	Serine/threonine protein kinase	-3.34
Mtr.8916.1.S1_at	Farnesylated protein ATFP6	-3.34
Mtr.44868.1.S1_at	UPF0187 protein	-3.34
Mtr.14636.1.S1_s_at	RNA polymerase beta subunit	-3.34
Mtr.18807.1.S1_at	Flavoprotein monooxygenase	-3.34
Mtr.29418.1.S1_at	Hypothetical protein	-3.33
Mtr.10265.1.S1_at	Hydrolase-like protein	-3.33
Mtr.9521.1.S1_at	Hypothetical protein	-3.33
Mtr.40864.1.S1_at	Acyl-peptide hydrolase	-3.33
Mtr.32688.1.S1_at	Hypothetical protein	-3.33
Mtr.13826.1.S1_at	Hypothetical protein	-3.33
Mtr.50411.1.S1_at	DNA glycosylase	-3.32
Mtr.42285.1.S1_at	Phosphoglycerate mutase	-3.32
Mtr.21612.1.S1_at	Hypothetical protein	-3.32
Mtr.4733.1.S1_s_at	Peroxidase	-3.32
Mtr.48816.1.S1_at	Phosphoglycerate mutase	-3.32
Mtr.6710.1.S1_at	MYB transcription factor	-3.32
Mtr.28728.1.S1_at	Hypothetical protein	-3.32
Mtr.34205.1.S1_at	Hypothetical protein	-3.32
Mtr.24581.1.S1_s_at	1,2-diacylglycerol 3-beta-galactosyltransferase	-3.31
Mtr.36800.1.S1_at	Elicitor-inducible LRR receptor-like protein EILP	-3.31
Mtr.9816.1.S1_at	Hypothetical protein	-3.31
Mtr.49018.1.S1_at	30S ribosomal protein S31	-3.31
Mtr.38346.1.S1_at	Hypothetical protein	-3.31
Mtr.12206.1.S1_at	Ribulose 1,7-bisphosphate carboxylase small subunit	-3.31
Mtr.38925.1.S1_s_at	Hypothetical protein	-3.31
Mtr.45380.1.S1_at	Hypothetical protein	-3.31
Mtr.41803.1.S1_at	Hypothetical protein	-3.31
Mtr.39136.1.S1_at	Hypothetical protein	-3.31
Mtr.15660.1.S1_at	Peptidase M	-3.31
Mtr.5617.1.S1_at	Hypothetical protein	-3.31
Mtr.11306.1.S1_at	ATP-dependent RNA helicase	-3.31
Mtr.46678.1.S1_at	Metalloprotease	-3.30
Mtr.6340.1.S1_at	Cyclic nucleotide-gated ion channel 2	-3.30
Mtr.50484.1.S1_s_at	Aminopeptidase	-3.30
Mtr.33344.1.S1_at	Disease resistance protein	-3.30
Mtr.44447.1.S1_at	Hypothetical protein	-3.30
Mtr.23748.1.S1_s_at	C3HC4-type zinc finger protein	-3.30
Mtr.37988.1.S1_at	Hypothetical protein	-3.30
Mtr.36764.1.S1_at	Photosystem I psaH protein	-3.30
Mtr.26951.1.S1_at	Hypothetical protein	-3.30
Mtr.13927.1.S1_at	Hypothetical protein	-3.30
Mtr.13163.1.S1_at	Hypothetical protein	-3.30

Mtr.40495.1.S1_at	Beta-mannosidase	-3.30
Mtr.21822.1.S1_at	Hypothetical protein	-3.29
Mtr.45146.1.S1_at	Apolipoprotein D	-3.29
Mtr.6831.1.S1_at	UDP-glucose glucosyltransferase	-3.29
Mtr.15888.1.S1_at	Serine/threonine protein kinase	-3.29
Mtr.8503.1.S1_at	Photosystem II reaction center W protein	-3.29
Msa.1784.1.S1_at	Hypothetical protein	-3.29
Mtr.21944.1.S1_s_at	CYP83D1p	-3.29
Mtr.27607.1.S1_at	Hypothetical protein	-3.29
Mtr.4623.1.S1_at	WRKY transcription factor 32	-3.29
Mtr.8748.1.S1_at	Methionine synthase	-3.29
Mtr.11113.1.S1_at	Hypothetical protein	-3.29
Mtr.18240.1.S1_at	Auxin responsive SAUR protein	-3.28
Msa.1757.1.S1_at	Hypothetical protein	-3.28
Mtr.6734.1.S1_s_at	Hypothetical protein	-3.28
Mtr.50173.1.S1_at	Hypothetical protein	-3.28
Mtr.39618.1.S1_at	Prolyl tRNA synthetase	-3.28
Mtr.36351.1.S1_at	Cytochrome oxidase II	-3.28
Mtr.50819.1.S1_s_at	Hypothetical protein	-3.28
Mtr.40199.1.S1_at	Hypothetical protein	-3.28
Mtr.44644.1.S1_s_at	Hydrolase	-3.28
Mtr.18574.1.S1_at	3,4-Dihydroxy-2-butanone 4-phosphate synthase	-3.28
Mtr.38216.1.S1_at	Hypothetical protein	-3.28
Msa.897.1.S1_s_at	Hypothetical protein	-3.28
Mtr.2306.1.S1_at	Trehalose-6-phosphate phosphatase	-3.28
Mtr.6063.1.S1_at	Glucosyltransferase	-3.27
Mtr.48824.1.S1_at	tRNA isopentenyltransferase	-3.27
Mtr.11718.1.S1_at	Hypothetical protein	-3.27
Mtr.15765.1.S1_at	Hypothetical protein	-3.27
Mtr.10428.1.S1_at	NADP-specific isocitrate dehydrogenase	-3.27
Mtr.23750.1.S1_at	Hypothetical protein	-3.27
Mtr.10009.1.S1_at	Hypothetical protein	-3.27
Mtr.35064.1.S1_at	Cucumis-like serine protease	-3.27
Mtr.8663.1.S1_at	Calcium/calmodulin-dependent protein kinase CaMK3	-3.26
Mtr.27917.1.S1_s_at	Yippee-like protein	-3.26
Mtr.8330.1.S1_at	Hypothetical protein	-3.26
Mtr.25726.1.S1_s_at	Hypothetical protein	-3.26
Mtr.40716.1.S1_at	WAP four-disulfide core domain protein 1	-3.26
Mtr.5818.1.S1_at	Myosin heavy chain	-3.25
Mtr.9004.1.S1_at	Hypothetical protein	-3.25
Mtr.11205.1.S1_at	Hypothetical protein	-3.25
Mtr.39292.1.S1_at	Hypothetical protein	-3.25
Mtr.28150.1.S1_at	Recombination protein	-3.24
Mtr.41696.1.S1_at	Hypothetical protein	-3.24
Mtr.6192.1.S1_at	Hypothetical protein	-3.24
Msa.2547.1.S1_at	Hypothetical protein	-3.23
Mtr.25499.1.S1_at	NifU-related metallocluster assembly factor	-3.23
Mtr.15297.1.S1_at	Hypothetical protein	-3.23
Mtr.35461.1.S1_at	Hypothetical protein	-3.23
Mtr.12327.1.S1_at	Late embryogenesis abundant protein	-3.23
Mtr.6371.1.S1_s_at	GDSL-motif lipase/hydrolase-like protein	-3.23
Mtr.37336.1.S1_at	RNA-binding protein 2	-3.23
Mtr.13351.1.S1_at	ABC transporter	-3.23
Mtr.33858.1.S1_at	Metal-transporting P-type ATPase	-3.23

Mtr.9332.1.S1_at	Hypothetical protein	-3.23
Mtr.43439.1.S1_at	Hypothetical protein	-3.23
Mtr.51065.1.S1_at	Cytochrome P450	-3.22
Mtr.35998.1.S1_at	Cinnamoyl-CoA reductase	-3.22
Msa.1840.1.S1_at	Hypothetical protein	-3.22
Mtr.618.1.S1_s_at	Hypothetical protein	-3.22
Mtr.15378.1.S1_at	Hypothetical protein	-3.22
Mtr.28621.1.S1_at	Hypothetical protein	-3.22
Mtr.12179.1.S1_at	Hypothetical protein	-3.22
Mtr.51607.1.S1_at	Beta-Ig-H3/fasciclin	-3.22
Msa.1262.1.S1_at	Hypothetical protein	-3.22
Mtr.5617.1.S1_s_at	Hypothetical protein	-3.22
Mtr.42030.1.S1_at	Hypothetical protein	-3.21
Mtr.12953.1.S1_at	Hydroperoxide lyase	-3.21
Mtr.10790.1.S1_at	Lysosomal Pro-X carboxypeptidase	-3.21
Msa.2936.1.S1_at	Hypothetical protein	-3.21
Mtr.46674.1.S1_at	Hypothetical protein	-3.21
Mtr.11230.1.S1_at	Laccase (Diphenol oxidase)	-3.21
Mtr.34132.1.S1_s_at	Hypothetical protein	-3.21
Mtr.29554.1.S1_s_at	Hypothetical protein	-3.21
Mtr.42619.1.S1_at	Hypothetical protein	-3.21
Mtr.16219.1.S1_s_at	Zn-finger, B-box	-3.21
Mtr.50233.1.S1_at	Initiation factor 3	-3.21
Msa.1448.1.S1_at	Hypothetical protein	-3.21
Mtr.28077.1.S1_at	Hypothetical protein	-3.20
Mtr.17048.1.S1_at	Metallo-dependent hydrolase	-3.20
Msa.1148.1.S1_at	Hypothetical protein	-3.20
Mtr.36413.1.S1_at	Hypothetical protein	-3.20
Mtr.41476.1.S1_at	Cytochrome P450 71D11	-3.20
Mtr.41933.1.S1_at	Hypothetical protein	-3.20
Mtr.44149.1.S1_at	Aquaporin	-3.20
Mtr.24954.1.S1_s_at	Protein kinase	-3.20
Mtr.5133.1.S1_at	Hypothetical protein	-3.19
Mtr.41953.1.S1_at	Hypothetical protein	-3.19
Mtr.40105.1.S1_at	Hypothetical protein	-3.19
Mtr.41929.1.S1_at	Phenylalanine-tRNA synthetase	-3.19
Mtr.12473.1.S1_at	Isoflavonoid glucosyltransferase	-3.19
Mtr.24881.1.S1_at	Hypothetical protein	-3.19
Mtr.33445.1.S1_at	Plakoglobin/armadillo/beta-catenin-like protein	-3.19
Mtr.26216.1.S1_at	Auxin response factor 5	-3.19
Msa.2619.1.S1_at	Hypothetical protein	-3.19
Mtr.40237.1.S1_at	Hypothetical protein	-3.19
Mtr.34826.1.S1_at	Hypothetical protein	-3.19
Mtr.7486.1.S1_at	Zinc finger protein	-3.19
Mtr.38545.1.S1_at	Kinesin 1 (Kinesin-like protein A)	-3.18
Mtr.43725.1.S1_at	50S ribosomal protein L24	-3.18
Mtr.29445.1.S1_at	Hypothetical protein	-3.18
Mtr.40545.1.S1_at	HSP associated protein	-3.18
Mtr.38127.1.S1_at	Hypothetical protein	-3.18
Mtr.10170.1.S1_at	Hypothetical protein	-3.18
Msa.3012.1.S1_at	Hypothetical protein	-3.18
Mtr.29302.1.S1_at	Hypothetical protein	-3.18
Mtr.16385.1.S1_s_at	Hypothetical protein	-3.17
Mtr.36189.1.S1_at	Hypothetical protein	-3.17

Mtr.42744.1.S1_at	Hypothetical protein	-3.17
Mtr.12714.1.S1_at	Hypothetical protein	-3.17
Mtr.51453.1.S1_at	Hypothetical protein	-3.17
Mtr.41113.1.S1_at	Lectin-like receptor kinase	-3.17
Mtr.15800.1.S1_s_at	Zn-binding protein	-3.17
Mtr.48940.1.S1_at	Protein phosphatase 2C	-3.17
Mtr.6056.1.S1_at	Serine protease	-3.17
Mtr.41264.1.S1_at	Zinc finger protein	-3.17
Mtr.12701.1.S1_at	Om(1E) protein	-3.17
Mtr.48366.1.S1_at	Hypothetical protein	-3.17
Mtr.15000.1.S1_at	Transferase	-3.17
Mtr.15932.1.S1_at	Hypothetical protein	-3.17
Mtr.43458.1.S1_s_at	Hypothetical protein	-3.16
Mtr.30783.1.S1_at	Cytochrome P450	-3.16
Mtr.33076.1.S1_at	Actin binding protein	-3.16
Msa.1681.1.S1_at	Hypothetical protein	-3.16
Mtr.41315.1.S1_at	Mechanosensitive ion channel domain-containing protein	-3.16
Mtr.11805.1.S1_s_at	Hypothetical protein	-3.16
Msa.2543.1.S1_at	Hypothetical protein	-3.16
Mtr.38498.1.S1_at	Mitochondrial transcription termination factor	-3.16
Mtr.32433.1.S1_at	Aminotransferase ACS10	-3.16
Mtr.40894.1.S1_at	SF16 protein	-3.15
Mtr.25541.1.S1_at	Hypothetical protein	-3.15
Mtr.48305.1.S1_x_at	Hypothetical protein	-3.15
Mtr.13460.1.S1_at	Chloroplast ribosomal protein L10	-3.15
Mtr.6127.1.S1_s_at	ADP-ribosylation factor	-3.15
Mtr.41083.1.S1_at	Hypothetical protein	-3.15
Mtr.41620.1.S1_at	Hypothetical protein	-3.15
Mtr.43742.1.S1_at	bZIP protein BZO2H2	-3.15
Mtr.41201.1.S1_at	50S ribosomal protein L28	-3.15
Mtr.50620.1.S1_at	16S rRNA processing protein RimM	-3.15
Mtr.8568.1.S1_at	Nitrite reductase	-3.14
Msa.1329.1.S1_at	Hypothetical protein	-3.14
Mtr.8500.1.S1_at	Hypothetical protein	-3.14
Mtr.41658.1.S1_at	Glucose transporter 8	-3.14
Mtr.769.1.S1_at	Harpin-induced protein 1 family (HIN1)	-3.14
Mtr.16583.1.S1_at	Hypothetical protein	-3.14
Mtr.40827.1.S1_at	Hypothetical protein	-3.14
Mtr.443.1.S1_at	Resistance protein candidate RGC2K	-3.13
Mtr.11430.1.S1_s_at	Extensin-like protein	-3.13
Mtr.44328.1.S1_at	Hypothetical protein	-3.13
Mtr.39436.1.S1_at	RelA-SpoT like protein	-3.13
Mtr.37970.1.S1_at	Cis,cis-muconate cycloisomerase	-3.13
Mtr.33677.1.S1_s_at	Diphosphonucleotide phosphatase	-3.13
Mtr.45471.1.S1_at	Hypothetical protein	-3.13
Mtr.12270.1.S1_at	Alternative oxidase	-3.13
Mtr.9623.1.S1_at	Hypothetical protein	-3.13
Mtr.28227.1.S1_at	Hypothetical protein	-3.13
Mtr.49033.1.S1_s_at	Serine/threonine protein kinase	-3.13
Mtr.29262.1.S1_at	3-hydroxy-3-methylglutaryl-coenzyme A reductase 2	-3.13
Mtr.51747.1.S1_at	Hypothetical protein	-3.13
Mtr.43643.1.S1_at	Sucrose-phosphatase	-3.12
Mtr.22822.1.S1_at	Hypothetical protein	-3.12
Mtr.37929.1.S1_at	Inositol phosphatase	-3.12

Mtr.12588.1.S1_at	Hypothetical protein	-3.12
Mtr.32155.1.S1_at	Hypothetical protein	-3.12
Mtr.39594.1.S1_at	Trehalose-6-phosphate phosphatase	-3.12
Mtr.37876.1.S1_at	Protein disulfide isomerase	-3.12
Mtr.11399.1.S1_at	Proline-rich protein	-3.12
Mtr.32558.1.S1_at	N-acyl ethanolamine amidohydrolase	-3.12
Mtr.43812.1.S1_at	Hypothetical protein	-3.12
Mtr.15226.1.S1_at	bZIP transcription factor	-3.11
Mtr.8392.1.S1_at	4-alpha-glucanotransferase	-3.11
Mtr.4206.1.S1_at	Hypothetical protein	-3.11
Mtr.38029.1.S1_at	Chloroplast 50S ribosomal protein L31	-3.11
Mtr.32171.1.S1_x_at	Aquaporin protein	-3.11
Mtr.11558.1.S1_at	SERK1 protein	-3.11
Mtr.48326.1.S1_at	60S ribosomal protein L13A	-3.11
Mtr.39009.1.S1_at	Serine-rich protein	-3.11
Mtr.11023.1.S1_at	Ethylene-responsive family protein	-3.11
Mtr.42951.1.S1_at	Hypothetical protein	-3.11
Msa.1635.1.S1_at	Hypothetical protein	-3.11
Mtr.39517.1.S1_at	Hypothetical protein	-3.11
Mtr.13613.1.S1_s_at	Actin-related protein 8B	-3.10
Mtr.29307.1.S1_at	Multi resistance protein	-3.10
Mtr.29108.1.S1_at	Hypothetical protein	-3.10
Mtr.5084.1.S1_at	Hypothetical protein	-3.10
Mtr.5904.1.S1_at	Salt-inducible protein	-3.10
Mtr.10265.1.S1_s_at	Hydrolase-like protein	-3.10
Mtr.11081.1.S1_at	Hypothetical protein	-3.10
Msa.1684.1.S1_at	Hypothetical protein	-3.10
Mtr.13670.1.S1_at	Hypothetical protein	-3.10
Mtr.39924.1.S1_at	Ethylene-responsive family protein	-3.10
Mtr.13733.1.S1_at	Hypothetical protein	-3.10
Mtr.41817.1.S1_at	Sulfate transporter ATST1	-3.09
Mtr.14184.1.S1_s_at	Annexin	-3.09
Mtr.44423.1.S1_at	Laccase	-3.09
Mtr.16346.1.S1_at	Prefoldin	-3.09
Mtr.47312.1.S1_at	Hydrolase	-3.09
Mtr.51178.1.S1_at	Hypothetical protein	-3.09
Mtr.44052.1.S1_at	Cryptochrome 1 apoprotein	-3.09
Mtr.29352.1.S1_at	Peptide transporter	-3.09
Mtr.47027.1.S1_at	Ubiquitin-conjugating enzyme	-3.09
Mtr.15800.1.S1_at	Zn-binding protein	-3.09
Mtr.8825.1.S1_at	Hypothetical protein	-3.09
Mtr.25491.1.S1_at	Hypothetical protein	-3.09
Mtr.42024.1.S1_at	Hypothetical protein	-3.09
Mtr.33841.1.S1_at	Hypothetical protein	-3.09
Msa.1269.1.S1_at	Hypothetical protein	-3.09
Mtr.7078.1.S1_s_at	Peroxidase	-3.09
Mtr.927.1.S1_at	Purple acid phosphatase	-3.09
Mtr.5295.1.S1_at	GA protein	-3.09
Mtr.28065.1.S1_at	Aromatic rich glycoprotein	-3.09
Mtr.41209.1.S1_at	Hypothetical protein	-3.08
Mtr.40865.1.S1_at	Acyl-peptide hydrolase	-3.08
Mtr.2293.1.S1_at	Hypothetical protein	-3.08
Mtr.8973.1.S1_at	Hypothetical protein	-3.08
Mtr.12933.1.S1_at	Chloroplast Release Factor 1	-3.08

Mtr.41769.1.S1_at	Hypothetical protein	-3.08
Mtr.39884.1.S1_at	Hypothetical protein	-3.08
Mtr.42487.1.S1_at	Alpha-mannosidase	-3.08
Mtr.40589.1.S1_at	Symbiosis-related protein	-3.08
Mtr.2580.1.S1_at	Leptin receptor	-3.08
Mtr.11062.1.S1_at	Hypothetical protein	-3.08
Mtr.13218.1.S1_at	Hypothetical protein	-3.08
Mtr.26285.1.S1_s_at	Hypothetical protein	-3.07
Mtr.9770.1.S1_at	Hypothetical protein	-3.07
Mtr.43462.1.S1_at	Hypothetical protein	-3.07
Mtr.45728.1.S1_s_at	Pentatricopeptide repeat protein	-3.07
Mtr.29496.1.S1_at	H <sup>+</sup> -ATPase	-3.07
Mtr.5522.1.S1_at	Urease	-3.07
Mtr.35486.1.S1_at	Hypothetical protein	-3.07
Mtr.28186.1.S1_at	Hypothetical protein	-3.07
Mtr.40545.1.S1_a_at	HSP associated protein	-3.07
Mtr.28002.1.S1_at	Hypothetical protein	-3.07
Mtr.23279.1.S1_at	Geraniol synthase	-3.07
Mtr.12200.1.S1_at	Hypothetical protein	-3.07
Mtr.9045.1.S1_at	Carbonate dehydratase	-3.07
Mtr.16430.1.S1_at	Hypothetical protein	-3.07
Mtr.20400.1.S1_at	Hypothetical protein	-3.06
Mtr.39931.1.S1_at	Hypothetical protein	-3.06
Mtr.43856.1.S1_at	Protein kinase	-3.06
Mtr.13247.1.S1_at	Hypothetical protein	-3.06
Mtr.40674.1.S1_at	Ribosome-like protein	-3.06
Mtr.33689.1.S1_at	Hypothetical protein	-3.06
Msa.2419.1.S1_at	Hypothetical protein	-3.06
Mtr.9050.1.S1_at	Hypothetical protein	-3.06
Mtr.21755.1.S1_at	Hypothetical protein	-3.06
Mtr.10835.1.S1_s_at	Hypothetical protein	-3.06
Msa.2803.1.S1_at	Hypothetical protein	-3.06
Mtr.40816.1.S1_at	Thylakoid lumenal 15 kDa protein	-3.05
Mtr.13656.1.S1_at	Galactomannan galactosyltransferase	-3.05
Mtr.32980.1.S1_at	Hypothetical protein	-3.05
Mtr.29147.1.S1_at	Hypothetical protein	-3.05
Mtr.33737.1.S1_at	Hypothetical protein	-3.05
Mtr.33407.1.S1_s_at	Sophorol reductase	-3.05
Mtr.37847.1.S1_at	UDP-glycosyltransferase 85A8	-3.05
Mtr.42323.1.S1_at	Hypothetical protein	-3.05
Mtr.5346.1.S1_at	Receptor-like protein kinase	-3.05
Mtr.12366.1.S1_s_at	Transcription factor Myb1	-3.05
Mtr.11116.1.S1_at	Hypothetical protein	-3.05
Mtr.20619.1.S1_x_at	Auxin responsive SAUR	-3.05
Mtr.43210.1.S1_at	Hypothetical protein	-3.05
Mtr.28467.1.S1_s_at	Aspartyl aminopeptidase	-3.04
Mtr.50208.1.S1_at	Protein kinase	-3.04
Mtr.46498.1.S1_at	Hypothetical protein	-3.04
Mtr.5649.1.S1_at	Serine/threonine protein kinase	-3.04
Mtr.13516.1.S1_s_at	ZF-HD homeobox protein	-3.04
Mtr.30128.1.S1_at	Hypothetical protein	-3.04
Mtr.41688.1.S1_at	Hypothetical protein	-3.04
Mtr.28734.1.S1_at	Hypothetical protein	-3.03
Mtr.47245.1.S1_s_at	Hypothetical protein	-3.03

Mtr.43324.1.S1_s_at	Polygalacturonase-like protein	-3.03
Mtr.27813.1.S1_at	6-4 photolyase	-3.03
Mtr.11004.1.S1_s_at	Hydrolase-like protein	-3.03
Mtr.38379.1.S1_at	Egr1 protein	-3.03
Mtr.18798.1.S1_at	Proteinase inhibitor I3	-3.03
Mtr.26982.1.S1_at	Hypothetical protein	-3.03
Mtr.8454.1.S1_at	Hypothetical protein	-3.03
Mtr.32338.1.S1_at	CLC-e chloride channel protein	-3.03
Mtr.11040.1.S1_s_at	Nodulin-like protein	-3.03
Mtr.40343.1.S1_s_at	Dihydrofolate reductase-thymidylate synthase	-3.03
Msa.1945.1.S1_at	Hypothetical protein	-3.03
Mtr.47227.1.S1_s_at	RelA-SpoT like protein	-3.03
Msa.1756.1.S1_at	Hypothetical protein	-3.02
Mtr.3652.1.S1_at	Hypothetical protein	-3.02
Mtr.33547.1.S1_at	Cellulose synthase	-3.02
Mtr.37427.1.S1_at	Aquaporin TIP4.1 (Tonoplast intrinsic protein 4.1)	-3.02
Mtr.2022.1.S1_at	Receptor-like protein kinase	-3.02
Mtr.26160.1.S1_at	Hypothetical protein	-3.02
Mtr.26115.1.S1_at	Protein kinase	-3.02
Mtr.553.1.S1_at	Hypothetical protein	-3.02
Mtr.38269.1.S1_at	Arabinogalactan protein	-3.01
Mtr.39248.1.S1_at	Hypothetical protein	-3.01
Mtr.51652.1.S1_at	Cytochrome P450	-3.01
Mtr.15273.1.S1_at	Peptidase M14	-3.01
Mtr.44327.1.S1_at	Adenylate kinase 2	-3.01
Mtr.9426.1.S1_at	Hypothetical protein	-3.01
Mtr.14599.1.S1_at	Hypothetical protein	-3.01
Mtr.12706.1.S1_at	Hypothetical protein	-3.01
Mtr.37510.1.S1_s_at	Hypothetical protein	-3.01
Mtr.43099.1.S1_at	Transcription factor Myb1	-3.01
Mtr.12288.1.S1_at	2,4-D inducible glutathione S-transferase	-3.01
Mtr.40352.1.S1_at	SNF1 like protein kinase	-3.01
Mtr.34479.1.S1_at	Hypothetical protein	-3.01
Mtr.17706.1.S1_at	Hypothetical protein	-3.00
Mtr.43893.1.S1_at	Immunophilin-like protein	-3.00
Mtr.29388.1.S1_s_at	Hypothetical protein	-3.00
Mtr.40612.1.S1_at	Myo-inositol monophosphatase 2	-3.00
Mtr.40583.1.S1_at	Polygalacturonase-like protein	-3.00
Mtr.45321.1.S1_at	Diphosphonucleotide phosphatase 1	-3.00
Mtr.34769.1.S1_at	Hypothetical protein	-3.00



**Supplementary Table S3. Upregulated genes at 24 hours after inoculation with soybean rust**

<b>Probesets</b>	<b>Target Description</b>	<b>Fold induction</b>
Mtr.37395.1.S1_at	Deoxycytidine deaminase	1033.01
Mtr.43146.1.S1_at	Branched-chain-amino-acid aminotransferase 2	952.58
Mtr.8417.1.S1_at	Mitochondrial uncoupling protein	582.90
Mtr.18650.1.S1_at	Glycoside hydrolase	534.19
Mtr.15537.1.S1_at	Hypothetical protein	527.57
Mtr.22656.1.S1_s_at	Deoxycytidylate deaminase	517.66
Mtr.8498.1.S1_s_at	Asparagine synthetase	511.70
Mtr.19796.1.S1_at	Hypothetical protein	489.28
Mtr.18127.1.S1_at	Glyoxalase	462.67
Mtr.16278.1.S1_at	Proteinase inhibitor II2	459.19
Mtr.37375.1.S1_at	Hypothetical protein	454.82
Mtr.5486.1.S1_s_at	Hypothetical protein	338.47
Msa.1736.1.S1_at	Hypothetical protein	326.44
Mtr.43467.1.S1_at	Hypothetical protein	316.53
Mtr.40564.1.S1_at	Cyanogenic Beta-Glucosidase	311.69
Mtr.35334.1.S1_s_at	Hypothetical protein	298.89
Mtr.44900.1.S1_at	Hypothetical protein	298.87
Mtr.22592.1.S1_at	Cytosolic fructose-1,6-bisphosphatase	297.52
Mtr.8498.1.S1_at	Asparagine synthetase	270.05
Mtr.40120.1.S1_at	Cationic peroxidase 1	244.97
Mtr.44559.1.S1_at	Hypothetical protein	217.66
Mtr.34416.1.S1_at	Pyruvate,orthophosphate dikinase	216.42
Mtr.40147.1.S1_s_at	Class 10 PR protein	212.17
Mtr.13321.1.S1_at	Pyruvate, phosphate dikinase	210.61
Mtr.40553.1.S1_at	Hypothetical protein	207.64
Mtr.1538.1.S1_at	Hypothetical protein	206.45
Mtr.45497.1.S1_s_at	Geraniol synthase	203.73
Mtr.45667.1.S1_x_at	Type III polyketide synthase	203.63
Msa.1060.1.S1_at	Hypothetical protein	200.99
Mtr.42416.1.S1_at	Hypothetical protein	181.65
Mtr.21662.1.S1_at	Hypothetical protein	168.93
Mtr.43830.1.S1_at	Hypothetical protein	161.65
Mtr.43942.1.S1_s_at	Hypothetical protein	158.34
Mtr.39214.1.S1_at	Hypothetical protein	158.11
Mtr.11656.1.S1_at	Hypothetical protein	153.11
Mtr.10434.1.S1_at	SRG1 protein	151.47
Mtr.42989.1.S1_at	Thaumatococcus-like protein PR-5b	148.87
Mtr.20464.1.S1_x_at	Naringenin-chalcone synthase	147.54
Mtr.41238.1.S1_at	Hypothetical protein	147.29
Mtr.11055.1.S1_at	SRG1 protein	144.35
Mtr.42268.1.S1_at	Inositol oxygenase	135.99
Mtr.43008.1.S1_at	Hypothetical protein	134.21
Msa.1879.1.S1_s_at	Hypothetical protein	133.10
Mtr.331.1.S1_at	Chitinase	132.80
Mtr.23418.1.S1_s_at	AP2 domain transcription factor	130.97
Mtr.37358.1.S1_s_at	Cytochrome P450 71B13	130.60
Mtr.37393.1.S1_at	Attacin A	128.37
Mtr.34968.1.S1_at	Nucellin-like protein	127.13
Msa.2901.1.S1_s_at	Hypothetical protein	126.96
Mtr.17404.1.S1_s_at	Aldo/keto reductase	125.77
Mtr.15261.1.S1_s_at	Curculin-like (mannose-binding) lectin	125.70
Mtr.39844.1.S1_at	Hypothetical protein	121.56

Mtr.11267.1.S1_at	Protein kinase-like protein	120.16
Mtr.15678.1.S1_s_at	Aldo/keto reductase	119.18
Mtr.11104.1.S1_s_at	Hypothetical protein	118.17
Mtr.34114.1.S1_s_at	Pathogenesis related protein	116.08
Mtr.40563.1.S1_at	Cyanogenic Beta-Glucosidase	114.28
Mtr.37356.1.S1_at	Cytochrome P450 71B25	113.58
Mtr.17526.1.S1_at	Hypothetical protein	112.27
Mtr.43254.1.S1_at	Hypothetical protein	112.13
Mtr.23578.1.S1_s_at	Polygalacturonase-inhibiting protein	111.97
Mtr.33212.1.S1_s_at	Beta-glucosidase	110.12
Mtr.12748.1.S1_at	Hypothetical protein	108.16
Mtr.11851.1.S1_at	Hypothetical protein	105.43
Mtr.45373.1.S1_at	Hypothetical protein	102.11
Msa.2530.1.S1_s_at	Hypothetical protein	101.63
Mtr.12675.1.S1_at	Integral membrane protein	101.14
Mtr.4663.1.S1_at	Light-inducible protein	99.03
Mtr.10391.1.S1_at	Class 10 PR protein	98.15
Mtr.1299.1.S1_s_at	Cytochrome P450 93B1	96.31
Mtr.44354.1.S1_at	Cytochrome P450 monooxygenase	95.66
Mtr.43279.1.S1_at	Proline dehydrogenase	94.67
Mtr.33545.1.S1_s_at	Non-cyanogenic beta-glucosidase	93.91
Mtr.14224.1.S1_at	Proteinase inhibitor II3	93.34
Mtr.35755.1.S1_at	Hypothetical protein	92.21
Mtr.1402.1.S1_at	Hypothetical protein	91.89
Mtr.10573.1.S1_at	Hypothetical protein	91.83
Mtr.43196.1.S1_at	Hypothetical protein	91.44
Mtr.32248.1.S1_at	3-hydroxyisobutyrate dehydrogenase	91.32
Mtr.10502.1.S1_s_at	Glutathione S-transferase parA (Auxin-regulated protein parA)	89.64
Mtr.24901.1.S1_at	Phospholipase	88.82
Mtr.8831.1.S1_at	Patatin-like protein 1	88.71
Mtr.18521.1.S1_at	Thioredoxin-related protein	88.62
Mtr.10435.1.S1_s_at	SRG1 protein	88.57
Mtr.8599.1.S1_s_at	Caffeic acid 3-O-methyltransferase 1	88.33
Mtr.21790.1.S1_at	Hypothetical protein	87.54
Mtr.51826.1.S1_at	Hypothetical protein	87.50
Mtr.28311.1.S1_s_at	Hypothetical protein	85.01
Mtr.44104.1.S1_at	Zeatin O-glucosyltransferase	84.82
Mtr.46391.1.S1_at	Hypothetical protein	83.46
Mtr.2105.1.S1_at	Hypothetical protein	82.01
Mtr.410.1.S1_s_at	Isoflavone reductase	81.83
Mtr.16207.1.S1_at	Hypothetical protein	81.19
Mtr.28242.1.S1_at	Beta-glucan-elicitor receptor	79.70
Mtr.38035.1.S1_at	S-locus-like receptor protein kinase	78.05
Mtr.28801.1.S1_at	Caffeoyl-CoA O-methyltransferase	78.03
Mtr.41059.1.S1_at	Hypothetical protein	76.55
Mtr.34158.1.S1_s_at	Hypothetical protein	75.50
Mtr.43594.1.S1_at	Hypothetical protein	74.96
Mtr.23863.1.S1_at	Glucan 1,3-beta-glucosidase	72.29
Mtr.15010.1.S1_s_at	Myb DNA-binding protein	71.05
Mtr.35325.1.S1_at	Hypothetical protein	69.73
Mtr.13317.1.S1_at	Hypothetical protein	69.47
Mtr.42129.1.S1_at	AP2 domain transcription factor	69.26
Mtr.40555.1.S1_at	Osmotin-like protein	68.96
Mtr.40399.1.S1_at	CPRD2 protein	68.15

Mtr.8599.1.S1_at	Caffeic acid 3-O-methyltransferase 1	68.09
Mtr.48534.1.S1_at	Hypothetical protein	66.32
Mtr.40377.1.S1_at	Cysteine proteinase inhibitor	65.99
Mtr.43852.1.S1_at	Acidic glucanase	65.97
Mtr.12246.1.S1_at	MtN12 protein	65.01
Mtr.40412.1.S1_at	Hypothetical protein	63.95
Mtr.41670.1.S1_at	F-box protein	63.94
Mtr.34634.1.S1_at	Epoxide hydrolase	62.72
Mtr.41053.1.S1_at	AT-hook DNA-binding protein	62.06
Mtr.15831.1.S1_s_at	Hypothetical protein	61.58
Mtr.22423.1.S1_at	Hin1 like protein	60.27
Mtr.37973.1.S1_at	Hypothetical protein	59.44
Mtr.42966.1.S1_at	Disease resistance response protein Pi49 (PR10)	59.42
Mtr.6667.1.S1_at	Cytochrome P450 monooxygenase	59.09
Mtr.37275.1.S1_at	Pathogen-inducible alpha-dioxygenase	57.81
Mtr.12616.1.S1_at	Cytochrome P450-like protein	57.78
Mtr.38234.1.S1_at	Epoxide hydrolase	56.95
Mtr.29026.1.S1_at	Hypothetical protein	55.07
Msa.2530.1.S1_at	Hypothetical protein	54.86
Mtr.40733.1.S1_at	Hypothetical protein	54.77
Mtr.17616.1.S1_x_at	Naringenin-chalcone synthase	54.17
Mtr.12193.1.S1_at	RCa12	53.65
Mtr.8507.1.S1_at	Pathogenesis related protein	53.57
Mtr.8763.1.S1_at	Thaumatococcus-like protein PR-5a	53.55
Mtr.28274.1.S1_at	Avr9/Cf-9 rapidly elicited protein	53.12
Mtr.37718.1.S1_at	Hypothetical protein	53.03
Mtr.17621.1.S1_x_at	Naringenin-chalcone synthase	52.63
Mtr.12502.1.S1_at	Laccase	52.01
Mtr.37984.1.S1_at	Adenosine nucleotide translocator	51.59
Mtr.51082.1.S1_at	Plant lipid transfer/seed storage/trypsin-alpha amylase inhibitor	51.50
Mtr.25838.1.S1_at	Hypothetical protein	51.27
Mtr.45666.1.S1_at	Glycoside hydrolase	49.95
Mtr.48647.1.S1_s_at	Hypothetical protein	49.92
Msa.1231.1.S1_at	Hypothetical protein	48.32
Mtr.17612.1.S1_x_at	Naringenin-chalcone synthase	47.98
Mtr.30508.1.S1_at	Isoflavone reductase	47.97
Mtr.44384.1.S1_at	PDR7 ABC transporter	47.80
Mtr.10692.1.S1_at	Cytochrome P450 76C4	47.57
Mtr.5486.1.S1_at	Hypothetical protein	47.16
Mtr.12485.1.S1_at	Hypothetical protein	46.81
Mtr.43363.1.S1_at	Syringolide-induced protein 13-1-1	46.81
Mtr.42255.1.S1_at	Hypothetical protein	46.78
Mtr.27937.1.S1_at	Nodulin-like protein	46.59
Mtr.11725.1.S1_at	Isoflavone synthase	46.27
Mtr.1493.1.S1_at	Hypothetical protein	46.13
Mtr.25575.1.S1_x_at	Hypothetical protein	45.89
Mtr.38241.1.S1_at	Hypothetical protein	45.86
Mtr.48996.1.S1_at	3Fe-4S ferredoxin	45.47
Mtr.49999.1.S1_at	Phloem-specific lectin PP2-like protein	44.77
Mtr.44487.1.S1_at	Hypothetical protein	44.53
Msa.2942.1.S1_s_at	Hypothetical protein	44.19
Mtr.38764.1.S1_at	Cytochrome P450	43.75
Mtr.40363.1.S1_at	Fiber protein Fb19	43.70
Mtr.10760.1.S1_at	N-hydroxycinnamoyl/benzoyltransferase-like protein	42.83

Mtr.46788.1.S1_at	L-allo-threonine aldolase	42.31
Mtr.5060.1.S1_at	Cyanogenic Beta-Glucosidase	42.30
Mtr.41478.1.S1_at	Class 10 PR protein	42.29
Mtr.10466.1.S1_at	Hypothetical protein	42.14
Mtr.49411.1.S1_at	Hypothetical protein	41.85
Mtr.36013.1.S1_at	Cryptosporidium parvum external transcribed spacer	41.72
Mtr.689.1.S1_at	FAD-linked oxidoreductase	41.56
Mtr.17910.1.S1_at	Serine/threonine protein kinase	41.43
Mtr.12653.1.S1_at	Hypothetical protein	41.37
Mtr.44326.1.S1_at	Ephrin type-A receptor 5	41.37
Msa.2910.1.S1_at	Hypothetical protein	40.48
Mtr.6645.1.S1_at	Lysine and histidine specific transporter	40.29
Mtr.1156.1.S1_at	Rhcadhesin receptor (Germin-like protein)	40.00
Mtr.40613.1.S1_at	Hypothetical protein	39.75
Mtr.10127.1.S1_s_at	Phospholipase	39.36
Mtr.10689.1.S1_at	Translation factor EF-1 alpha	39.16
Mtr.48768.1.S1_at	Gibberellin regulated protein	38.94
Mtr.38043.1.S1_at	Glucosyltransferase-10	38.55
Mtr.10368.1.S1_at	Chalcone synthase 8	38.32
Mtr.25021.1.S1_at	Vestitone reductase	38.30
Mtr.8652.1.S1_at	6a-hydroxymaackiain methyltransferase	38.29
Mtr.43644.1.S1_at	Homeodomain transcription factor	37.85
Mtr.8558.1.S1_at	Hypothetical protein	37.81
Mtr.11959.1.S1_at	Serine/threonine protein phosphatase 2A	37.78
Mtr.13239.1.S1_at	Hypothetical protein	37.66
Mtr.38079.1.S1_at	Calcium/calmodulin protein kinase 1	37.60
Mtr.22459.1.S1_at	Hypothetical protein	37.53
Mtr.4441.1.S1_at	Hypothetical protein	37.46
Mtr.40763.1.S1_at	Hypothetical protein	37.42
Mtr.39322.1.S1_at	UDP-glucuronosyltransferase	37.29
Mtr.8666.1.S1_s_at	Hypothetical protein	37.18
Mtr.38957.1.S1_at	Hypothetical protein	36.84
Mtr.8725.1.S1_at	Hypothetical protein	36.83
Msa.3005.1.S1_at	Hypothetical protein	36.79
Mtr.25008.1.S1_x_at	Vestitone reductase	36.71
Mtr.38121.1.S1_at	Avr9/Cf-9 rapidly elicited protein	36.19
Mtr.12141.1.S1_at	Hypothetical protein	35.93
Mtr.43189.1.S1_at	Disease resistance response protein	35.92
Mtr.45394.1.S1_at	Synaptobrevin-like protein	35.84
Mtr.37033.1.S1_s_at	Metalloproteinase	35.70
Mtr.11773.1.S1_s_at	Hypothetical protein	35.49
Mtr.37316.1.S1_at	NAD(P)H dependent 6'-deoxychalcone synthase	35.17
Mtr.49123.1.S1_at	Major intrinsic protein	34.66
Mtr.44496.1.S1_at	AP2 domain-containing protein	34.36
Mtr.34762.1.S1_s_at	coII intron protein	34.14
Mtr.10319.1.S1_at	Pprg2 protein	33.92
Mtr.43259.1.S1_at	Hypothetical protein	33.63
Mtr.10311.1.S1_at	Pprg2 protein	33.39
Mtr.13532.1.S1_at	Cytochrome P450	33.39
Mtr.10272.1.S1_at	Calmodulin	33.32
Mtr.10898.1.S1_at	Hypothetical protein	32.97
Mtr.37579.1.S1_at	Branched chain alpha-keto acid dehydrogenase E2 subunit	32.67
Mtr.8667.1.S1_at	Hypothetical protein	32.58
Msa.2919.1.S1_at	Hypothetical protein	31.95

Mtr.43769.1.S1_at	Seed imbibition protein	31.63
Mtr.49341.1.S1_at	Peptidase, metallopeptidases	31.31
Mtr.10427.1.S1_at	Hypothetical protein	31.21
Mtr.43569.1.S1_at	Medicago nodulin N21-like protein	31.19
Mtr.49305.1.S1_at	Fatty acid elongase	31.12
Mtr.42451.1.S1_at	Bimodular protein	31.09
Mtr.5445.1.S1_at	Hypothetical protein	30.92
Mtr.8975.1.S1_at	Bifunctional lysine-ketoglutarate reductase/saccharopine dehydrogenase	30.70
Mtr.23266.1.S1_at	Protease inhibitor	30.61
Mtr.10941.1.S1_at	Hypothetical protein	30.58
Mtr.13960.1.S1_at	Flavonoid 3'-hydroxylase	30.19
Mtr.47295.1.S1_x_at	Polygalacturonase inhibitor protein	30.17
Mtr.18422.1.S1_at	Hypothetical protein	30.17
Mtr.20618.1.S1_s_at	Transferase	30.01
Mtr.41495.1.S1_at	Hypothetical protein	29.96
Mtr.47992.1.S1_at	Hypothetical protein	29.96
Mtr.43280.1.S1_x_at	Beta-Glucosidase	29.83
Mtr.51557.1.S1_at	Chitin-binding protein	29.77
Msa.2552.1.S1_at	Hypothetical protein	29.61
Mtr.10317.1.S1_at	Pprg2 protein	29.54
Mtr.18.1.S1_at	Hypothetical protein	29.52
Mtr.49557.1.S1_at	Cys-rich protein	29.30
Mtr.6543.1.S1_at	Hypothetical protein	29.29
Mtr.8442.1.S1_at	Hydroxyproline-rich glycoprotein	29.28
Mtr.42815.1.S1_at	N-hydroxycinnamoyl/benzoyltransferase-like protein	29.25
Mtr.51252.1.S1_s_at	Transferase	29.04
Mtr.31314.1.S1_at	NAM	28.97
Mtr.24415.1.S1_s_at	Alpha-amylase	28.95
Mtr.32790.1.S1_at	Drm3	28.93
Mtr.42263.1.S1_s_at	Hypothetical protein	28.86
Mtr.9846.1.S1_at	Hypothetical protein	28.38
Mtr.44391.1.S1_at	Cytochrome P450 82A2	28.28
Mtr.13782.1.S1_s_at	Hypothetical protein	28.15
Mtr.51693.1.S1_at	Hypothetical protein	28.07
Mtr.6639.1.S1_s_at	Hypothetical protein	28.01
Mtr.19594.1.S1_at	Cyclin-like F-box	27.87
Mtr.42540.1.S1_at	Elicitor-inducible cytochrome P450	27.69
Mtr.49688.1.S1_at	Hypothetical protein	27.66
Mtr.42916.1.S1_at	Hypothetical protein	27.60
Mtr.12772.1.S1_at	Mlo protein	27.45
Mtr.38513.1.S1_at	Syringolide-induced protein 14-1-1	27.44
Mtr.8425.1.S1_at	Hypothetical protein	27.43
Mtr.10438.1.S1_at	Kunitz proteinase inhibitor-1	27.37
Mtr.13536.1.S1_at	Bifunctional lysine-ketoglutarate reductase/saccharopine dehydrogenase	27.09
Mtr.7260.1.S1_at	Ethylene-induced esterase	27.08
Mtr.50682.1.S1_at	14-3-3 protein	26.96
Mtr.12569.1.S1_at	Hypothetical protein	26.89
Mtr.27711.1.S1_at	Hypothetical protein	26.85
Mtr.35677.1.S1_at	Zinc finger protein	26.65
Mtr.43513.1.S1_at	Syringolide-induced protein 19-1-5	26.47
Mtr.41944.1.S1_at	Hypothetical protein	26.22
Mtr.44504.1.S1_at	Beta-glucan-elicitor receptor	26.07
Mtr.34867.1.S1_s_at	Hypothetical protein	25.80
Mtr.6154.1.S1_s_at	Wall-associated kinase	25.61

Mtr.45211.1.S1_at	Phosphoenolpyruvate carboxykinase	25.53
Mtr.9372.1.S1_at	DnaJ protein	25.52
Mtr.32409.1.S1_at	Galactokinase	25.23
Msa.2861.1.S1_at	Hypothetical protein	25.23
Mtr.38270.1.S1_at	ABA-responsive protein	25.12
Mtr.32790.1.S1_s_at	Drm3	25.12
Mtr.24415.1.S1_at	Alpha-amylase	25.10
Mtr.34185.1.S1_at	Hypothetical protein	25.08
Mtr.6666.1.S1_at	Hypothetical protein	24.93
Mtr.43193.1.S1_at	Glutamate dehydrogenase 3	24.87
Mtr.38347.1.S1_at	Tripartite motif protein	24.57
Mtr.37585.1.S1_a_at	Extensin	24.53
Mtr.43514.1.S1_s_at	Syringolide-induced protein 19-1-5	24.34
Mtr.37715.1.S1_at	Hypothetical protein	24.28
Mtr.40481.1.S1_at	Isovaleryl-CoA Dehydrogenase	24.26
Mtr.26218.1.S1_s_at	Isovaleryl-CoA Dehydrogenase	24.19
Mtr.45003.1.S1_at	Non-cyanogenic beta-glucosidase	23.95
Mtr.9107.1.S1_at	Hypothetical protein	23.91
Mtr.13150.1.S1_at	Hypothetical protein	23.90
Mtr.22561.1.S1_at	Hypothetical protein	23.85
Mtr.5785.1.S1_s_at	PDR7 ABC transporter	23.83
Mtr.41268.1.S1_at	Serine/threonine-specific protein kinase APK2a	23.61
Mtr.34806.1.S1_s_at	MLO-like protein	23.51
Mtr.25953.1.S1_at	Cytidine deaminase	23.37
Mtr.27985.1.S1_at	Hypothetical protein	23.30
Mtr.11066.1.S1_at	AKIN gamma	23.19
Mtr.43284.1.S1_at	Alcohol dehydroge	23.19
Mtr.8751.1.S1_at	Hypothetical protein	23.17
Mtr.79.1.S1_at	Hypothetical protein	23.08
Mtr.5385.1.S1_at	AP2 domain transcription factor	22.86
Msa.2701.1.S1_at	Hypothetical protein	22.85
Mtr.25362.1.S1_s_at	Hypothetical protein	22.82
Mtr.14283.1.S1_at	Aminotransferase class-III	22.81
Mtr.12487.1.S1_at	Cyanogenic Beta-Glucosidase	22.78
Mtr.6339.1.S1_at	Ripening regulated protein	22.71
Mtr.46286.1.S1_at	Small GTP-binding protein	22.65
Mtr.16615.1.S1_at	Prephenate dehydratase	22.58
Mtr.17288.1.S1_at	Hypothetical protein	22.41
Mtr.12764.1.S1_at	AMP-binding protein	22.39
Mtr.38765.1.S1_at	LOB domain protein 38	22.39
Mtr.39424.1.S1_at	Serine/threonine protein kinase	22.36
Mtr.46130.1.S1_at	Synaptobrevin	22.29
Mtr.38997.1.S1_at	Serine/threonine protein kinase	22.28
Mtr.6950.1.S1_at	Galactokinase like protein	22.26
Mtr.31952.1.S1_at	Hypothetical protein	22.20
Mtr.8559.1.S1_at	Hypothetical protein	22.15
Mtr.33508.1.S1_s_at	Nodulin N21-like protein	22.09
Mtr.40504.1.S1_at	O-methyltransferase	22.04
Mtr.41772.1.S1_at	AMP-binding protein	22.03
Mtr.29505.1.S1_s_at	Hypothetical protein	22.00
Mtr.10895.1.S1_at	Hypothetical protein	21.99
Mtr.40339.1.S1_s_at	Hypothetical protein	21.98
Mtr.8696.1.S1_at	Zinc finger DNA-binding protein	21.74
Mtr.49090.1.S1_at	GCN5-related N-acetyltransferase	21.66

Mtr.43009.1.S1_s_at	Isoflavone 2'-hydroxylase	21.62
Mtr.37376.1.S1_s_at	Hypothetical protein	21.57
Mtr.6976.1.S1_at	Hypothetical protein	21.49
Mtr.39569.1.S1_at	Hypothetical protein	21.45
Msa.886.1.S1_s_at	Hypothetical protein	21.44
Mtr.11047.1.S1_at	Mitogen-activated protein kinase 4	21.35
Mtr.45398.1.S1_at	Exo-1,3-beta-glucanase	21.29
Mtr.11520.1.S1_at	Protein phosphatase 2C	21.25
Mtr.40340.1.S1_at	Alkaline alpha galactosidase I	21.23
Mtr.4593.1.S1_at	Histidine amino acid transporter	21.09
Mtr.12723.1.S1_at	Nt-gh3 deduced protein	20.97
Mtr.45331.1.S1_at	Hypothetical protein	20.90
Mtr.50585.1.S1_at	Proteinase inhibitor I3	20.80
Mtr.43746.1.S1_at	Hypothetical protein	20.66
Mtr.35994.1.S1_at	Hypothetical protein	20.64
Mtr.40293.1.S1_at	Glutathione S-transferase	20.50
Mtr.38067.1.S1_at	Hypothetical protein	20.42
Mtr.40882.1.S1_at	Aldehyde dehydrogenase	20.41
Mtr.28496.1.S1_at	Protein kinase	20.36
Mtr.32279.1.S1_at	SPF1 protein	20.36
Mtr.23311.1.S1_s_at	Glycosyl hydrolase family 4	20.31
Mtr.10683.1.S1_at	DNA-binding protein	20.28
Mtr.50458.1.S1_at	Hypothetical protein	20.18
Mtr.11947.1.S1_at	Early growth response protein	20.09
Mtr.39160.1.S1_at	Hypothetical protein	19.97
Mtr.35302.1.S1_at	Galactokinase	19.97
Mtr.38233.1.S1_at	DAZ-associated protein 1	19.94
Mtr.40890.1.S1_at	WRKY transcription factor 40	19.93
Mtr.35178.1.S1_at	Branched-chain alpha keto-acid dehydrogenase E1-alpha	19.74
Mtr.45356.1.S1_at	Glutamate dehydrogenase	19.68
Mtr.47795.1.S1_at	Hypothetical protein	19.63
Mtr.13171.1.S1_at	Hypothetical protein	19.60
Mtr.12424.1.S1_at	Disease resistance response protein	19.55
Mtr.5797.1.S1_at	Hypothetical protein	19.49
Mtr.28696.1.S1_at	Hypothetical protein	19.39
Mtr.11466.1.S1_at	Galactokinase like protein	19.34
Mtr.43199.1.S1_at	Hypothetical protein	19.29
Mtr.42470.1.S1_at	Alpha galactosidase	19.19
Mtr.27728.1.S1_s_at	Hypothetical protein	19.04
Mtr.51996.1.S1_at	Hypothetical protein	18.98
Mtr.24422.1.S1_at	Hypothetical protein	18.97
Mtr.16487.1.S1_s_at	Zn-finger, CCHC type	18.90
Mtr.43280.1.S1_at	Cyanogenic Beta-Glucosidase	18.75
Mtr.37578.1.S1_at	Hypothetical protein	18.71
Mtr.21276.1.S1_at	TAZ finger	18.67
Mtr.4996.1.S1_at	Hypothetical protein	18.65
Mtr.10221.1.S1_at	Sugar transporter-like protein	18.63
Mtr.43716.1.S1_at	Glycosyltransferase	18.61
Mtr.34720.1.S1_at	Hypothetical protein	18.54
Mtr.48829.1.S1_at	Peptidase aspartic	18.50
Mtr.42470.1.S1_x_at	Alpha galactosidase	18.49
Mtr.35802.1.S1_at	Hypothetical protein	18.48
Mtr.39059.1.S1_at	Hypothetical protein	18.46
Mtr.50729.1.S1_at	Hypothetical protein	18.39

Msa.2738.1.S1_at	Hypothetical protein	18.38
Mtr.35987.1.S1_s_at	Hypothetical protein	18.36
Mtr.20803.1.S1_at	Hypothetical protein	18.33
Msa.2622.1.S1_at	Hypothetical protein	18.32
Mtr.41237.1.S1_at	Nt-gh3 deduced protein	18.22
Mtr.27713.1.S1_at	Cytochrome P450 71A8	18.17
Mtr.19224.1.S1_at	bZIP transcription factor	18.16
Mtr.32898.1.S1_at	Protein phosphatase 2C	18.15
Mtr.38907.1.S1_at	Alcohol dehydrogenase	18.15
Mtr.43203.1.S1_at	Hypothetical protein	18.14
Mtr.32486.1.S1_at	Strubbelig receptor	18.12
Mtr.12615.1.S1_at	Pathogenesis-related protein PR10A	18.12
Mtr.35.1.S1_at	Abscisic acid and environmental stress inducible protein	18.09
Mtr.32917.1.S1_s_at	Cytochrome oxidase subunit I	17.92
Mtr.12925.1.S1_at	RING/C3HC4/PHD zinc finger-like protein	17.85
Mtr.33150.1.S1_s_at	Syringolide-induced protein 19-1-5	17.77
Mtr.45768.1.S1_at	Serine/threonine protein kinase	17.70
Mtr.23575.1.S1_x_at	Polygalacturonase inhibitor protein	17.69
Mtr.38479.1.S1_at	Hypothetical protein	17.66
Mtr.40838.1.S1_at	Electron transfer flavoprotein, alpha subunit	17.63
Mtr.21098.1.S1_at	Oxysterol-binding protein	17.59
Mtr.40410.1.S1_at	Hypothetical protein	17.57
Mtr.8601.1.S1_at	Hypothetical protein	17.56
Mtr.12277.1.S1_at	Class 10 PR protein	17.56
Mtr.43159.1.S1_at	Bacterial-induced peroxidase	17.49
Mtr.8851.1.S1_at	Hypothetical protein	17.44
Mtr.7063.1.S1_at	Alcohol dehydrogenase	17.43
Mtr.40588.1.S1_at	Glutathione S-transferase GST 13	17.34
Mtr.48557.1.S1_at	Plant integral membrane protein	17.31
Mtr.48287.1.S1_s_at	Hypothetical protein	17.27
Mtr.37377.1.S1_at	Hypothetical protein	17.25
Mtr.41427.1.S1_at	Pyruvate, phosphate dikinase	17.23
Mtr.1214.1.S1_at	Hypothetical protein	17.21
Mtr.48070.1.S1_at	Hypothetical protein	17.21
Mtr.29902.1.S1_at	WRKY DNA-binding protein	17.16
Mtr.5512.1.S1_at	Biotin synthase	17.13
Mtr.5791.1.S1_at	Anthocyanin 3-O-glucoside-6"-O-malonyltransferase	17.12
Mtr.43231.1.S1_s_at	Hypothetical protein	17.03
Mtr.11118.1.S1_at	Calcium-dependent protein kinase 2	16.98
Mtr.43656.1.S1_at	Cysteine protease	16.91
Mtr.43115.1.S1_at	Pheromone receptor-like protein	16.87
Mtr.20215.1.S1_s_at	Hypothetical protein	16.86
Mtr.20486.1.S1_at	Hypothetical protein	16.85
Mtr.18629.1.S1_at	Hypothetical protein	16.84
Mtr.11285.1.S1_at	WAK-like kinase	16.81
Mtr.1886.1.S1_at	Hypothetical protein	16.79
Mtr.45989.1.S1_at	Xylose isomerase	16.78
Mtr.8987.1.S1_at	Cytochrome P450 monooxygenase	16.74
Mtr.10079.1.S1_at	Hypothetical protein	16.74
Mtr.18819.1.S1_at	2OG-Fe(II) oxygenase	16.62
Mtr.10494.1.S1_x_at	Glutathione S-transferase GST 7	16.59
Msa.1965.1.S1_at	Hypothetical protein	16.59
Mtr.40122.1.S1_s_at	Chalcone synthase 4	16.52
Mtr.13389.1.S1_at	Receptor protein kinase	16.51



Mtr.38564.1.S1_at	Nodulin-like protein	16.46
MsaAffx.3537.1.S1_s_at	Hypothetical protein	16.45
Mtr.9661.1.S1_at	Scarecrow-like 14	16.44
Mtr.40498.1.S1_at	Hypothetical protein	16.41
Mtr.9223.1.S1_at	AP2 domain transcription factor	16.36
Mtr.3130.1.S1_at	Hypothetical protein	16.29
Mtr.20391.1.S1_at	Hypothetical protein	16.25
Mtr.39762.1.S1_at	Chlorophyllase 1	16.15
Mtr.39563.1.S1_at	Hypothetical protein	16.10
Mtr.49012.1.S1_at	Zn-finger, RING	16.03
Mtr.5578.1.S1_at	Receptor protein kinase	16.02
Mtr.26939.1.S1_at	Hypothetical protein	16.01
Mtr.19134.1.S1_at	Hypothetical protein	15.99
Mtr.8538.1.S1_at	Common plant regulatory factor 7	15.93
Mtr.6769.1.S1_at	Hypothetical protein	15.91
Mtr.41091.1.S1_at	Mitogen-activated protein kinase MMK2	15.88
Mtr.44416.1.S1_at	WRKY-type DNA binding protein	15.87
Mtr.9474.1.S1_at	MLO-like protein 2	15.85
Mtr.47442.1.S1_s_at	Glycosyl hydrolase	15.77
Mtr.28255.1.S1_at	Cytochrome P450	15.76
Mtr.7741.1.S1_at	Peptide/amino acid transporter	15.73
Mtr.38492.1.S1_at	AX110P-like protein	15.68
Mtr.49730.1.S1_at	Hypothetical protein	15.68
Mtr.24820.1.S1_s_at	Fructan 1-exohydrolase	15.67
Mtr.48695.1.S1_at	Hypothetical protein	15.65
Mtr.653.1.S1_s_at	Short-chain dehydrogenase	15.64
Mtr.13850.1.S1_at	Hypothetical protein	15.61
Mtr.11022.1.S1_at	RING zinc finger protein	15.59
Mtr.31521.1.S1_at	Lysine and histidine specific transporter	15.50
Mtr.10122.1.S1_at	Nine-cis-epoxycarotenoid dioxygenase 1	15.48
Msa.3122.1.S1_at	Hypothetical protein	15.48
Mtr.39165.1.S1_at	Cobalamin 5-phosphate synthase	15.44
Mtr.4724.1.S1_at	Organic anion transporter-like protein	15.30
Mtr.12139.1.S1_at	WRKY transcription factor 29	15.19
Mtr.37378.1.S1_at	Hypothetical protein	15.18
Mtr.49400.1.S1_at	Auxin responsive SAUR protein	15.16
Mtr.15309.1.S1_at	K <sup>+</sup> channel tetramerisation	15.09
Mtr.28727.1.S1_at	Adenosine monophosphate binding protein 1	15.05
Mtr.37676.1.S1_at	Hypothetical protein	15.05
Mtr.1587.1.S1_at	Calmodulin-related protein	15.03
Msa.1042.1.S1_at	Hypothetical protein	15.02
Mtr.281.1.S1_at	Trehalose-6-phosphate phosphatase	14.99
Mtr.46962.1.S1_at	Hypothetical protein	14.98
Mtr.6648.1.S1_s_at	Xyloglucan endotransglycosylase	14.98
Mtr.9254.1.S1_at	Phe ammonia lyase	14.89
Mtr.11788.1.S1_at	Hypothetical protein	14.86
Mtr.6909.1.S1_at	Hypothetical protein	14.81
Mtr.10592.1.S1_at	Isoflavone reductase	14.79
Mtr.40605.1.S1_at	Xyloglucan-specific fungal endoglucanase inhibitor protein	14.76
Mtr.32991.1.S1_at	Hypothetical protein	14.73
Mtr.28125.1.S1_s_at	Early nodulin GRP3	14.72
Mtr.42620.1.S1_at	Organic anion transporter-like protein	14.72
Mtr.34990.1.S1_at	Cytochrome P450	14.68
Mtr.40195.1.S1_at	Pectin methylesterase 5	14.63

Mtr.10896.1.S1_s_at	WIZZ	14.63
Mtr.35324.1.S1_at	Peroxidase 2	14.61
Mtr.31288.1.S1_at	Isoflavonoid glucosyltransferase	14.54
Mtr.16848.1.S1_at	Harpin-induced 1	14.50
Mtr.11468.1.S1_at	Hypothetical protein	14.50
Mtr.37975.1.S1_at	CBL-interacting protein kinase	14.49
Mtr.11066.1.S1_s_at	AKIN gamma	14.47
Msa.2680.1.S1_at	Hypothetical protein	14.44
Mtr.48791.1.S1_at	Cys-rich domain protein	14.43
Mtr.32629.1.S1_s_at	Thaumatococcus-like protein PR-5a	14.39
Mtr.50276.1.S1_at	Phosphoinositide-binding clathrin adaptor protein	14.31
Mtr.14773.1.S1_at	Hypothetical protein	14.27
Mtr.43921.1.S1_at	Hypothetical protein	14.24
Mtr.25007.1.S1_at	Vestitone reductase	14.23
Mtr.28194.1.S1_at	Flavonol 3-O-glucosyltransferase 5	14.19
Mtr.11520.1.S1_s_at	Protein phosphatase 2C, partial (49%)	14.08
Mtr.43772.1.S1_at	Hypothetical protein	14.05
Mtr.6654.1.S1_at	Hypothetical protein	14.04
Mtr.51533.1.S1_at	Myb, DNA-binding protein	14.01
Mtr.28717.1.S1_at	Hypothetical protein	13.98
Mtr.5695.1.S1_at	Hypothetical protein	13.98
Mtr.25967.1.S1_at	Hypothetical protein	13.96
Mtr.11007.1.S1_at	Avr9/Cf-9 rapidly elicited protein	13.96
Mtr.12321.1.S1_at	MtN19-like protein	13.96
Mtr.38181.1.S1_at	Expansin-like protein B	13.88
Mtr.27510.1.S1_at	light resistance protein RGA1	13.87
Mtr.32646.1.S1_at	Hypothetical protein	13.87
Mtr.25889.1.S1_at	Protein kinase	13.86
Mtr.6933.1.S1_at	Methylcrotonyl-CoA carboxylase	13.85
Mtr.40048.1.S1_at	Acetylornithine aminotransferase	13.81
Mtr.10049.1.S1_at	Cycloidea protein	13.79
Mtr.39450.1.S1_at	Amino acid permease AAP3	13.79
Mtr.8522.1.S1_at	Syringolide-induced protein 19-1-5	13.68
Mtr.38075.1.S1_at	Hypothetical protein	13.65
Mtr.25575.1.S1_at	Hypothetical protein	13.64
Mtr.39710.1.S1_at	Hypothetical protein	13.60
Msa.1770.1.S1_at	Hypothetical protein	13.56
Mtr.32738.1.S1_s_at	Myo-inositol oxygenase	13.54
Mtr.33024.1.S1_at	Glucosidase-like protein	13.53
Mtr.38380.1.S1_at	Nodulin-like protein	13.48
Mtr.10971.1.S1_s_at	Serine/threonine protein kinase	13.42
Mtr.43230.1.S1_at	Hypothetical protein	13.37
Mtr.38612.1.S1_at	Phe ammonia lyase	13.27
Mtr.25969.1.S1_at	Hypothetical protein	13.27
Mtr.22854.1.S1_at	bHLH protein	13.23
Mtr.42202.1.S1_at	Hypothetical protein	13.22
Mtr.39140.1.S1_at	ABC transporter (PDR5-like)	13.14
Mtr.19367.1.S1_at	Zn-finger, C2H2 type	13.13
Mtr.43646.1.S1_at	Hypothetical protein	13.13
Mtr.44074.1.S1_at	Strubbelig receptor family	13.11
Mtr.8884.1.S1_at	Pathogenesis-related protein 4A	13.09
Mtr.34728.1.S1_at	Hypothetical protein	13.08
Mtr.43827.1.S1_at	Hypothetical protein	13.04
Mtr.11991.1.S1_s_at	Strubbelig receptor family	13.02

Mtr.6926.1.S1_at	Hypothetical protein	13.01
Mtr.15380.1.S1_at	Hypothetical protein	13.01
Mtr.27533.1.S1_s_at	Hypothetical protein	12.95
Mtr.17239.1.S1_at	Peptidase	12.95
Mtr.1331.1.S1_s_at	Hypothetical protein	12.93
Mtr.18596.1.S1_at	Zn-finger, RING	12.92
Mtr.11684.1.S1_at	Beta-D-glucosidase	12.85
Mtr.20187.1.S1_x_at	Naringenin-chalcone synthase	12.83
Mtr.35410.1.S1_at	Rho GDP dissociation inhibitor 2	12.75
Mtr.820.1.S1_at	Hypothetical protein	12.73
Mtr.27309.1.S1_at	Hypothetical protein	12.63
Mtr.42808.1.S1_at	Myb-related transcription factor	12.63
Mtr.12511.1.S1_at	Heat shock factor RHSF2	12.62
Mtr.18222.1.S1_at	Hypothetical protein	12.60
Mtr.48304.1.S1_s_at	Hypothetical protein	12.60
Mtr.33892.1.S1_at	Zinc finger protein constans-like 6	12.59
Mtr.6769.1.S1_s_at	Hypothetical protein	12.54
Mtr.19019.1.S1_at	No apical meristem (NAM) protein	12.50
Mtr.22179.1.S1_at	Hypothetical protein	12.49
Mtr.18040.1.S1_at	Hypothetical protein	12.48
Mtr.4967.1.S1_at	GTPase activating protein	12.48
Mtr.35852.1.S1_at	Auxin-induced protein	12.47
Mtr.41223.1.S1_at	ATP-dependent phosphoenolpyruvate carboxykinase	12.47
Mtr.19182.1.S1_at	Hypothetical protein	12.43
Msa.1404.1.S1_at	Hypothetical protein	12.42
Mtr.13722.1.S1_at	Hypothetical protein	12.41
Mtr.15332.1.S1_at	Myb DNA-binding protein	12.39
Msa.3124.1.S1_at	Hypothetical protein	12.33
Mtr.15470.1.S1_s_at	Amino acid/polyamine transporter II	12.31
Mtr.44194.1.S1_at	CPRD2 protein	12.29
Mtr.50317.1.S1_at	Zn-finger, RING	12.25
Mtr.32982.1.S1_at	MutT-like protein	12.23
Mtr.37455.1.S1_at	Glucosyltransferase-13	12.17
Mtr.8853.1.S1_at	Arginase 1	12.13
Mtr.33191.1.S1_at	Hypothetical protein	12.13
Mtr.39384.1.S1_at	Hypothetical protein	12.12
Mtr.52242.1.S1_at	Galactokinase	12.10
Mtr.10696.1.S1_at	Syntaxin-related protein	12.08
Mtr.41031.1.S1_at	4-coumarate-CoA ligase	12.03
Msa.1264.1.S1_at	Hypothetical protein	12.00
Mtr.33206.1.S1_s_at	Lustrin A-like protein	11.99
Mtr.32702.1.S1_at	Hypothetical protein	11.97
Mtr.39195.1.S1_at	Nitrate transporter NTL1	11.95
Mtr.31575.1.S1_at	Phosphoribosylanthranilate transferase	11.94
Mtr.28033.1.S1_at	Hypothetical protein	11.94
Mtr.23311.1.S1_at	Glycosyl hydrolase family 3	11.93
Mtr.12466.1.S1_at	Chitinase	11.91
Mtr.15470.1.S1_at	Amino acid/polyamine transporter II	11.86
Mtr.22536.1.S1_at	Hypothetical protein	11.86
Mtr.19407.1.S1_at	Octicosapeptide/Phox/Bem1p	11.85
Mtr.35833.1.S1_s_at	Hypothetical protein	11.85
Mtr.46961.1.S1_at	Hypothetical protein	11.84
Mtr.18113.1.S1_at	Hypothetical protein	11.83
Mtr.35110.1.S1_at	Hypothetical protein	11.81

Mtr.9997.1.S1_at	Glucan endo-1,3-beta-glucosidase	11.78
Mtr.1854.1.S1_at	Hypothetical protein	11.76
Mtr.12097.1.S1_at	MtN19-like protein	11.76
Mtr.11543.1.S1_at	Gamma-glutamyl hydrolase	11.75
Mtr.22769.1.S1_at	Hypothetical protein	11.71
Mtr.34126.1.S1_at	Hypothetical protein	11.69
Mtr.27695.1.S1_at	Auxin response factor	11.68
Mtr.35294.1.S1_at	Protein kinase	11.65
Mtr.41894.1.S1_at	AT-hook DNA-binding protein	11.55
Mtr.26378.1.S1_at	Hypothetical protein	11.52
Mtr.30776.1.S1_at	Patatin-like protein 1	11.50
Mtr.37879.1.S1_at	Hypothetical protein	11.44
Mtr.17180.1.S1_at	Galactose mutarotase	11.42
Mtr.28177.1.S1_at	RAB11F	11.40
Mtr.46462.1.S1_at	AMP-dependent synthetase and ligase	11.38
Mtr.40601.1.S1_s_at	Hypothetical protein	11.38
Mtr.7214.1.S1_at	Hypothetical protein	11.37
Mtr.11728.1.S1_at	Hypothetical protein	11.37
Mtr.43900.1.S1_at	Hypothetical protein	11.37
Mtr.40611.1.S1_at	Peroxidase	11.36
Mtr.10557.1.S1_at	PDR-type ABC transporter 2	11.33
Msa.2755.1.S1_at	Hypothetical protein	11.29
Mtr.43862.1.S1_at	Hypothetical protein	11.25
Mtr.37878.1.S1_at	Hypothetical protein	11.25
Mtr.50290.1.S1_s_at	Hypothetical protein	11.22
Mtr.50994.1.S1_at	CHY zinc finger protein	11.21
Mtr.14737.1.S1_at	Protein kinase	11.20
Mtr.35045.1.S1_at	Rab escort protein	11.20
Mtr.29408.1.S1_at	Hypothetical protein	11.18
Mtr.9819.1.S1_at	Hypothetical protein	11.18
Mtr.9258.1.S1_at	Receptor-like protein kinase	11.15
Mtr.24370.1.S1_at	3'-5' exonuclease	11.13
Mtr.46408.1.S1_at	Hypothetical protein	11.12
Mtr.39132.1.S1_at	Malate synthase	11.12
Mtr.33334.1.S1_at	Exo-1,3-beta-glucanase	11.09
Mtr.12087.1.S1_at	Hypothetical protein	11.07
Mtr.29374.1.S1_at	AKIN gamma	11.07
Mtr.43294.1.S1_at	Non-specific lipid transfer-like protein	11.07
Mtr.696.1.S1_at	Auxin-induced (indole-3-acetic acid induced) protein	11.06
Msa.2329.1.S1_at	Hypothetical protein	11.05
Mtr.43916.1.S1_at	Isoflavone reductase	11.04
Mtr.8531.1.S1_at	Chalcone-flavonone isomerase 1	11.01
Mtr.35413.1.S1_at	O-methyltransferase	11.00
Mtr.1203.1.S1_at	CCR4-associated factor-related protein	10.99
Mtr.8688.1.S1_at	Hypothetical protein	10.94
Msa.2990.1.S1_at	Hypothetical protein	10.94
Mtr.12710.1.S1_at	Syringolide-induced protein B13-1-1	10.90
Mtr.27221.1.S1_at	Hypothetical protein	10.87
Mtr.18369.1.S1_at	Glutathione S-transferase	10.86
Mtr.43392.1.S1_s_at	Cytochrome b	10.83
Mtr.23988.1.S1_at	bHLH protein	10.82
Mtr.15568.1.S1_s_at	DNA-binding WRKY	10.80
Mtr.3431.1.S1_at	Hypothetical protein	10.80
Mtr.11968.1.S1_at	Alpha galactosidase	10.76

Mtr.49931.1.S1_at	E-class P450	10.75
Msa.3054.1.S1_at	Hypothetical protein	10.72
Mtr.44823.1.S1_at	Hypothetical protein	10.72
Mtr.34771.1.S1_at	Hypothetical protein	10.72
Mtr.34448.1.S1_at	UDP-glucose 4-epimerase	10.70
Mtr.10018.1.S1_at	Hypothetical protein	10.67
Mtr.42663.1.S1_at	Ferredoxin-dependent glutamate synthase	10.66
Mtr.43783.1.S1_at	Hypothetical protein	10.65
Mtr.9388.1.S1_at	WRKY transcription factor 23	10.63
Mtr.42072.1.S1_at	Nodulin	10.62
Mtr.35080.1.S1_at	Trehalose-6-phosphate synthase	10.59
Mtr.10220.1.S1_s_at	Isoliquiritigenin 2'-O-methyltransferase	10.59
Mtr.28687.1.S1_at	Wax synthase	10.52
Mtr.49572.1.S1_s_at	Naringenin-chalcone synthase	10.51
Mtr.45989.1.S1_s_at	Xylose isomerase	10.48
Mtr.40223.1.S1_at	Hypothetical protein	10.44
Mtr.11134.1.S1_at	Ornithine aminotransferase	10.40
Mtr.11636.1.S1_at	Dof zinc finger protein	10.39
Mtr.40619.1.S1_at	Deltex protein	10.39
Msa.1051.1.S1_at	Hypothetical protein	10.36
Mtr.6317.1.S1_at	DUR3	10.36
Mtr.40983.1.S1_at	Hypothetical protein	10.36
Mtr.19471.1.S1_at	Hypothetical protein	10.35
Mtr.32374.1.S1_at	Serine carboxypeptidase	10.34
Mtr.13455.1.S1_at	Hypothetical protein	10.33
Mtr.45000.1.S1_at	Trehalose-6-phosphate synthase/phosphatase	10.32
Mtr.41039.1.S1_at	Hypothetical protein	10.31
Mtr.1746.1.S1_at	Glucosyltransferase-9	10.31
Msa.1267.1.S1_at	Hypothetical protein	10.30
Mtr.12866.1.S1_at	Hypothetical protein	10.30
Mtr.6489.1.S1_at	Glutathione S-transferase GST 15	10.29
Mtr.16167.1.S1_at	Hypothetical protein	10.27
Mtr.6916.1.S1_s_at	Hypothetical protein	10.27
Mtr.43887.1.S1_at	Hypothetical protein	10.25
Mtr.43494.1.S1_at	Hypothetical protein	10.25
Mtr.37168.1.S1_at	Hypothetical protein	10.24
Mtr.40371.1.S1_at	Avr9/Cf-9 rapidly elicited protein	10.21
Mtr.35775.1.S1_at	Hypothetical protein	10.20
Mtr.41783.1.S1_at	Hypothetical protein	10.20
Mtr.20344.1.S1_at	Seven in absentia protein	10.19
Mtr.24851.1.S1_at	Hypothetical protein	10.19
Mtr.28790.1.S1_at	Hypothetical protein	10.18
Msa.1669.1.S1_at	Hypothetical protein	10.16
Mtr.2844.1.S1_at	Hypothetical protein	10.13
Mtr.3072.1.S1_at	Disease resistance protein	10.12
Mtr.38568.1.S1_at	Kelch repeat-containing F-box-like protein	10.11
Mtr.45350.1.S1_at	Hypothetical protein	10.11
Mtr.40194.1.S1_at	Hypothetical protein	10.07
Mtr.37520.1.S1_at	Cinnamoyl CoA reductase	10.07
Mtr.7569.1.S1_at	Cytosolic fructose-1,6-bisphosphatase	10.06
Mtr.40680.1.S1_at	Transcription factor MYBS3	10.05
Mtr.12105.1.S1_at	Receptor protein kinase	10.05
Mtr.38086.1.S1_at	Alpha-N-acetylglucosaminidase	10.04
Mtr.49572.1.S1_x_at	Naringenin-chalcone synthase	10.04

Msa.2171.1.S1_at	Hypothetical protein	10.02
Mtr.41299.1.S1_at	Hypothetical protein	10.01
Msa.3019.1.S1_at	Hypothetical protein	9.99
Mtr.35088.1.S1_at	Hypothetical protein	9.99
Mtr.10396.1.S1_at	Syringolide-induced protein	9.99
Msa.2259.1.S1_at	Hypothetical protein	9.96
Msa.1129.1.S1_at	Hypothetical protein	9.89
Mtr.33213.1.S1_at	Hypothetical protein	9.88
Mtr.27726.1.S1_at	Rod shape-determining protein	9.88
Mtr.3602.1.S1_at	Hypothetical protein	9.82
Msa.3062.1.S1_at	Hypothetical protein	9.81
Mtr.40724.1.S1_at	Hypothetical protein	9.78
Mtr.40531.1.S1_at	O-methyltransferase	9.77
Mtr.38202.1.S1_at	WRKY transcription factor 28	9.76
Mtr.38093.1.S1_at	Hypothetical protein	9.74
Mtr.49862.1.S1_at	Isoflavone-7-o-methyltransferase 9	9.74
Mtr.18747.1.S1_at	Carbamoyl-phosphate synthase	9.74
Mtr.43561.1.S1_s_at	Calcium/calmodulin-regulated receptor-like kinase	9.70
Mtr.8617.1.S1_at	Syringolide-induced protein B15-3-5	9.69
Mtr.21324.1.S1_at	ABC transporter	9.68
Mtr.12684.1.S1_at	Hypothetical protein	9.67
Mtr.42782.1.S1_s_at	Hypothetical protein	9.67
Mtr.19625.1.S1_at	Ribonuclease III	9.64
Mtr.37262.1.S1_at	Hypothetical protein	9.64
Mtr.31589.1.S1_at	Arm repeat protein	9.62
Mtr.23085.1.S1_s_at	Hypothetical protein	9.61
Mtr.9897.1.S1_s_at	Glycerol kinase	9.61
Mtr.8606.1.S1_at	O-methyltransferase	9.61
Mtr.5605.1.S1_at	Protein phosphatase 2C	9.61
Mtr.8813.1.S1_at	Zinc finger protein	9.56
Msa.1879.1.S1_at	Hypothetical protein	9.55
Mtr.46208.1.S1_at	Hypothetical protein	9.53
Mtr.13161.1.S1_at	Hypothetical protein	9.53
Mtr.37873.1.S1_at	Hypothetical protein	9.53
Mtr.12291.1.S1_s_at	Proline dehydrogenase	9.51
Mtr.7608.1.S1_at	50S ribosomal protein L33	9.50
Mtr.42739.1.S1_at	Protein kinase	9.47
Mtr.40177.1.S1_at	Hypothetical protein	9.43
Mtr.35086.1.S1_at	Hypothetical protein	9.42
Mtr.24896.1.S1_at	Hypothetical protein	9.42
Mtr.1951.1.S1_s_at	Zinc finger protein	9.42
Mtr.20187.1.S1_at	Naringenin-chalcone synthase	9.41
Mtr.9524.1.S1_at	Early flowering 3	9.40
Mtr.8827.1.S1_at	Cytochrome P450	9.40
Mtr.40521.1.S1_at	Adhesive/proline-rich protein	9.38
Mtr.7556.1.S1_at	AP2 domain containing protein	9.36
Mtr.12477.1.S1_at	Quinone-oxidoreductase QR1	9.33
Mtr.31649.1.S1_at	Hypothetical protein	9.31
Mtr.43605.1.S1_at	Glycosyl transferase	9.31
Mtr.38932.1.S1_at	Malate synthase	9.27
Mtr.11414.1.S1_at	PDR-like ABC transporter	9.25
Mtr.42084.1.S1_at	Hypothetical protein	9.25
Mtr.25509.1.S1_at	Hypothetical protein	9.24
Mtr.12648.1.S1_at	Hypothetical protein	9.21

Mtr.43278.1.S1_at	Cellulose synthase	9.18
Mtr.35430.1.S1_s_at	Hypothetical protein	9.17
Mtr.39945.1.S1_at	Hypothetical protein	9.16
Mtr.17570.1.S1_at	Zn-finger, RING	9.16
Mtr.31913.1.S1_at	Hypothetical protein	9.16
Mtr.39267.1.S1_at	1-aminocyclopropane-1-carboxylate synthase	9.14
Mtr.42078.1.S1_at	Anthocyanin 5-aromatic acyltransferase	9.14
Mtr.8645.1.S1_at	Riboflavin biosynthesis protein	9.13
Mtr.3060.1.S1_s_at	Hypothetical protein	9.11
Mtr.10616.1.S1_at	Hypothetical protein	9.11
Mtr.42703.1.S1_at	Hypothetical protein	9.05
Mtr.33446.1.S1_at	Sucrose transporter	9.04
Mtr.41419.1.S1_at	Ring domain containing protein	9.04
Mtr.36186.1.S1_at	Nitrate transporter NTL1	9.01
Mtr.10743.1.S1_at	SRG1 protein	9.00
Mtr.45572.1.S1_at	Hypothetical protein	8.99
Mtr.35243.1.S1_at	Hypothetical protein	8.97
Mtr.23580.1.S1_at	Polygalacturonase inhibitor protein	8.96
Mtr.38844.1.S1_at	Hypothetical protein	8.95
Mtr.36847.1.S1_at	Hypothetical protein	8.94
Mtr.48884.1.S1_at	Hypothetical protein	8.93
Mtr.51571.1.S1_s_at	Amino acid/polyamine transporter II	8.93
Mtr.474.1.S1_s_at	Peroxisomal membrane protein	8.92
Mtr.19162.1.S1_at	AMP-dependent synthetase and ligase	8.92
Mtr.26898.1.S1_at	Hypothetical protein	8.91
Mtr.15997.1.S1_s_at	Haem peroxidase	8.91
Mtr.45912.1.S1_at	Pathogenesis-related transcriptional factor and ERF	8.86
Mtr.5817.1.S1_at	Phospholipid-transporting ATPase 1	8.85
Mtr.35172.1.S1_at	Hypothetical protein	8.83
Mtr.11385.1.S1_at	Hypothetical protein	8.80
Mtr.8876.1.S1_at	Short-chain dehydrogenase Tic32	8.79
Mtr.11811.1.S1_s_at	Phi-1-like protein	8.78
Mtr.42692.1.S1_at	Glutaredoxin-like protein	8.78
Mtr.1625.1.S1_s_at	Protein kinase	8.76
Mtr.45193.1.S1_at	Hypothetical protein	8.73
Mtr.4576.1.S1_s_at	Indole-3-acetate beta-glucosyltransferase	8.72
Mtr.18822.1.S1_at	Heavy metal transport/detoxification protein	8.71
Mtr.43944.1.S1_at	Sporulation-specific glucan 1,3-beta-glucosidase	8.71
Mtr.24063.1.S1_at	F-box protein	8.70
Mtr.38330.1.S1_at	Hypothetical protein	8.69
Mtr.14303.1.S1_at	Iron hydrogenase	8.69
Mtr.20425.1.S1_at	Hypothetical protein	8.66
Msa.686.1.S1_at	Hypothetical protein	8.66
Mtr.9637.1.S1_at	Myb-related transcription factor	8.65
Mtr.10370.1.S1_at	Peroxidase1B	8.64
Mtr.12044.1.S1_at	Cellulose synthase	8.64
Mtr.15849.1.S1_at	Glycine-rich RNA binding protein	8.63
Mtr.44130.1.S1_s_at	Hypothetical protein	8.63
Mtr.35231.1.S1_s_at	Pathogenesis-related protein	8.62
Mtr.14494.1.S1_at	Dihydroorotate dehydrogenase 1	8.59
Mtr.12664.1.S1_at	Hypothetical protein	8.55
Mtr.39298.1.S1_at	Hypothetical protein	8.54
Mtr.15772.1.S1_at	Glycoside hydrolase	8.53
Mtr.47441.1.S1_at	Hypothetical protein	8.53

Mtr.29300.1.S1_s_at	Hypothetical protein	8.53
Mtr.35813.1.S1_at	Hypothetical protein	8.51
Mtr.11783.1.S1_at	Hypothetical protein	8.51
Mtr.16822.1.S1_at	Hypothetical protein	8.50
Mtr.43585.1.S1_at	1-deoxy-D-xylulose 5-phosphate synthase 2	8.50
Mtr.27830.1.S1_at	Arginine/serine-rich protein	8.49
Mtr.34199.1.S1_at	2-oxoglutarate-dependent oxygenase	8.46
Mtr.10575.1.S1_at	Hypothetical protein	8.45
Mtr.27129.1.S1_at	Zinc finger protein	8.44
Mtr.13757.1.S1_at	Hin1-like protein	8.43
Mtr.40333.1.S1_x_at	Uclacyanin II precursor	8.43
Mtr.20804.1.S1_at	Serine/threonine protein kinase	8.42
Mtr.33361.1.S1_at	Hypothetical protein	8.42
Mtr.15250.1.S1_at	ABC transporter	8.41
Mtr.44775.1.S1_at	G-protein alpha-subunit	8.40
Mtr.40928.1.S1_at	PGPD14 protein	8.40
Mtr.17788.1.S1_at	Ankyrin	8.37
Mtr.33365.1.S1_s_at	PDR7 ABC transporter	8.37
Mtr.40076.1.S1_at	RNA Binding Protein 45	8.36
Mtr.9523.1.S1_at	Hypothetical protein	8.36
Mtr.27095.1.S1_at	Hypothetical protein	8.36
Mtr.12832.1.S1_at	Receptor-like serine/threonine kinase	8.32
Mtr.19206.1.S1_at	Ras GTPase	8.31
Mtr.9392.1.S1_at	Flavonoid 3'-hydroxylase	8.28
Mtr.238.1.S1_at	Metal transport protein	8.23
Mtr.31946.1.S1_at	Hypothetical protein	8.21
Mtr.38485.1.S1_at	Hypothetical protein	8.21
Mtr.42373.1.S1_at	Peroxidase 40	8.18
Mtr.9079.1.S1_at	Hypothetical protein	8.18
Mtr.29368.1.S1_at	Receptor-like protein kinase	8.17
Msa.1878.1.S1_at	Hypothetical protein	8.16
Mtr.49680.1.S1_at	Hypothetical protein	8.15
Mtr.5044.1.S1_s_at	Hypothetical protein	8.15
Mtr.49578.1.S1_at	Hypothetical protein	8.15
Mtr.41930.1.S1_at	Hypothetical protein	8.14
Mtr.43416.1.S1_at	Zinc-finger protein	8.11
Mtr.22903.1.S1_at	Chitinase (Class II)	8.09
Mtr.43734.1.S1_at	Protein kinase C	8.09
Mtr.10127.1.S1_at	Phospholipase-like protein	8.08
Mtr.13044.1.S1_at	WRKY transcription factor 5	8.07
Mtr.44516.1.S1_at	Type IIB calcium ATPase	8.05
Mtr.44349.1.S1_at	Zinc transporter	8.04
Mtr.33142.1.S1_at	Hypothetical protein	8.04
Mtr.8654.1.S1_at	Peroxidase	8.04
Msa.1604.1.S1_at	Hypothetical protein	8.03
Mtr.38064.1.S1_at	Hypothetical protein	8.03
Mtr.25476.1.S1_at	Auxin efflux carrier protein	8.01
Mtr.14090.1.S1_at	AUX/IAA protein	8.00
Mtr.9063.1.S1_at	Glucose/sorbosone dehydrogenases	8.00
Mtr.9668.1.S1_at	Hypothetical protein	7.99
Mtr.43236.1.S1_at	UDP-glucosyltransferase HRA25	7.97
Msa.952.1.S1_at	Hypothetical protein	7.97
Mtr.11087.1.S1_at	Hypothetical protein	7.96
Mtr.12377.1.S1_at	WRKY transcription factor 11	7.92



Mtr.11256.1.S1_at	Hypothetical protein	7.91
Mtr.32555.1.S1_s_at	Vitellogenin A	7.91
Mtr.10681.1.S1_at	Universal stress protein USP1-like protein	7.90
Mtr.4934.1.S1_s_at	Hypothetical protein	7.90
Mtr.41809.1.S1_s_at	Non-phototropic hypocotyl 3	7.90
Mtr.39431.1.S1_at	Aldehyde reductase	7.88
Mtr.15773.1.S1_at	Cyclin-like F-box	7.87
Mtr.32284.1.S1_at	Hypothetical protein	7.87
Mtr.41342.1.S1_at	Serine/threonine-protein kinase 24	7.86
Mtr.11621.1.S1_at	Hypothetical protein	7.85
Mtr.39423.1.S1_at	Hypothetical protein	7.85
Mtr.40277.1.S1_at	Isoflavone synthase	7.84
Mtr.42263.1.S1_at	Hypothetical protein	7.84
Mtr.41149.1.S1_at	Glutathione S-transferase GST 11	7.84
Mtr.13586.1.S1_at	Transcription activator	7.83
Mtr.49896.1.S1_at	Non-cell-autonomous protein	7.81
Mtr.38443.1.S1_at	Hypothetical protein	7.80
Mtr.37253.1.S1_at	Amino acid transporter	7.79
Mtr.49441.1.S1_at	2OG-Fe(II) oxygenase	7.79
Mtr.39741.1.S1_s_at	Hypothetical protein	7.79
Mtr.30654.1.S1_at	Hypothetical protein	7.77
Msa.2372.1.S1_at	Hypothetical protein	7.77
Msa.1067.1.S1_at	Hypothetical protein	7.76
Mtr.44144.1.S1_at	Lap1 protein	7.75
Mtr.21216.1.S1_at	Exo70 exocyst complex subunit	7.72
Mtr.27096.1.S1_at	Cinnamyl-alcohol dehydrogenase	7.72
Mtr.49085.1.S1_at	GCN5-related N-acetyltransferase	7.71
Mtr.40277.1.S1_x_at	Isoflavone synthase	7.70
Mtr.3066.1.S1_s_at	Hypothetical protein	7.69
Mtr.13470.1.S1_s_at	Hypothetical protein	7.69
Mtr.15053.1.S1_at	Thaumatococin	7.67
Mtr.12290.1.S1_at	Proline dehydrogenase	7.67
Mtr.42955.1.S1_at	Cytochrome P450	7.67
Mtr.51195.1.S1_at	AAA ATPase	7.67
Mtr.20618.1.S1_at	Transferase	7.66
Mtr.51997.1.S1_at	Hypothetical protein	7.66
Mtr.11565.1.S1_at	Patatin-like protein	7.65
Mtr.25887.1.S1_at	bHLH protein	7.65
Mtr.14686.1.S1_at	Peptidase aspartic	7.64
Mtr.11716.1.S1_at	Methionine sulfoxide reductase A	7.64
Mtr.9421.1.S1_at	Indole-3-acetate beta-glucosyltransferase	7.63
Mtr.47412.1.S1_at	Hypothetical protein	7.62
Mtr.6834.1.S1_at	Zeatin O-glucosyltransferase	7.61
Mtr.48874.1.S1_at	Hypothetical protein	7.61
Mtr.33482.1.S1_s_at	Carbonic anhydrase 2	7.59
Mtr.1401.1.S1_at	Hypothetical protein	7.56
Mtr.10681.1.S1_s_at	Universal stress protein USP1-like protein	7.52
Mtr.7267.1.S1_at	Hypothetical protein	7.50
Mtr.2157.1.S1_s_at	Hypothetical protein	7.50
Mtr.45320.1.S1_at	Hypothetical protein	7.49
Mtr.44941.1.S1_s_at	Glyoxysomal fatty acid beta-oxidation multifunctional protein	7.48
Mtr.17409.1.S1_s_at	Amino acid/polyamine transporter II	7.48
Mtr.33221.1.S1_s_at	acyl-activating enzyme	7.48
Mtr.10308.1.S1_at	Hydroxyproline-rich glycoprotein	7.48

Msa.2831.1.S1_at	Hypothetical protein	7.48
Mtr.42626.1.S1_at	Hypothetical protein	7.47
Mtr.10655.1.S1_at	Hypothetical protein	7.47
Mtr.34766.1.S1_at	Zinc finger protein	7.44
Mtr.8444.1.S1_s_at	Hypothetical protein	7.43
Mtr.51734.1.S1_at	Hypothetical protein	7.43
Mtr.22675.1.S1_at	Hypothetical protein	7.43
Mtr.15895.1.S1_s_at	Dormancyauxin associated protein	7.43
Mtr.39679.1.S1_at	Hypothetical protein	7.42
Mtr.28572.1.S1_at	Cytochrome b	7.42
Mtr.47292.1.S1_at	Hypothetical protein	7.40
Mtr.12540.1.S1_s_at	Receptor kinase-like protein	7.37
Mtr.18344.1.S1_at	Serine/threonine protein kinase	7.37
Mtr.12694.1.S1_at	NAC domain protein NAC1	7.37
Mtr.31177.1.S1_at	Ubiquitin-protein ligase	7.36
Mtr.35741.1.S1_at	Hypothetical protein	7.35
Mtr.10701.1.S1_at	Axi 1 protein-like protein	7.35
Mtr.17829.1.S1_at	UDP-glucose 4-epimerase	7.35
Mtr.42855.1.S1_s_at	Plastidic ATP/ADP transporter	7.34
Mtr.51734.1.S1_s_at	Hypothetical protein	7.34
Mtr.11388.1.S1_at	Transcription factor	7.33
Mtr.41533.1.S1_at	Calcium binding protein	7.32
Mtr.3151.1.S1_s_at	Hypothetical protein	7.31
Mtr.33855.1.S1_at	Alpha-N-acetylglucosaminidase	7.30
Mtr.37757.1.S1_at	Anthranilate N-benzoyltransferase-like protein	7.30
Mtr.20508.1.S1_s_at	Pyridine nucleotide-disulphide oxidoreductase	7.30
Mtr.43550.1.S1_at	Tyrosine aminotransferase	7.28
Mtr.17497.1.S1_at	bHLH protein	7.28
Mtr.42299.1.S1_at	Hypothetical protein	7.26
Mtr.28796.1.S1_at	Cytochrome P450 monooxygenase	7.25
Mtr.44122.1.S1_at	Hypothetical protein	7.24
Mtr.50492.1.S1_s_at	Translation factor	7.23
Mtr.41506.1.S1_at	Hypothetical protein	7.22
Mtr.11156.1.S1_at	Leucine-rich repeat receptor-like protein kinase 1	7.21
Mtr.45877.1.S1_at	RNA-binding region RNP-1	7.20
Mtr.38072.1.S1_at	Hypothetical protein	7.18
Mtr.8948.1.S1_at	Cytochrome P450 82A1	7.18
Msa.2506.1.S1_at	Hypothetical protein	7.18
Mtr.12708.1.S1_at	Isoflavone reductase	7.17
Mtr.6009.1.S1_at	Hypothetical protein	7.16
Mtr.17610.1.S1_at	Hypothetical protein	7.16
Mtr.28550.1.S1_at	Hypothetical protein	7.16
Mtr.38022.1.S1_at	LEXYL1 protein	7.16
Mtr.49091.1.S1_at	Hypothetical protein	7.14
Mtr.2735.1.S1_at	Hypothetical protein	7.14
Mtr.37708.1.S1_at	Sulfate transporter-like protein	7.12
Mtr.6049.1.S1_s_at	S-receptor kinase	7.12
Mtr.17940.1.S1_at	U box protein	7.12
Mtr.15228.1.S1_at	Pre-mRNA processing ribonucleoprotein	7.11
Mtr.10027.1.S1_at	Hypothetical protein	7.09
Mtr.43364.1.S1_at	Hypothetical protein	7.08
Mtr.9897.1.S1_at	Glycerol kinase	7.08
Mtr.48873.1.S1_s_at	Acid phosphatase (Class B)	7.07
Mtr.16539.1.S1_s_at	Hypothetical protein	7.07

Mtr.6875.1.S1_at	Hypothetical protein	7.06
Mtr.29535.1.S1_x_at	Hypothetical protein	7.06
Mtr.34958.1.S1_at	Hypothetical protein	7.06
Mtr.8621.1.S1_s_at	Hypothetical protein	7.06
Mtr.37823.1.S1_at	CPRD49 protein	7.06
Mtr.38247.1.S1_at	Seven in absentia-like protein	7.05
Mtr.38959.1.S1_s_at	GTP-binding protein	7.05
Mtr.11202.1.S1_s_at	Hypothetical protein	7.04
Mtr.12749.1.S1_at	Hypothetical protein	7.03
Mtr.39742.1.S1_at	Hypothetical protein	7.03
Mtr.42673.1.S1_at	Receptor-like serine/threonine kinase	7.03
Mtr.35144.1.S1_s_at	acyl-activating enzyme 13	7.03
Mtr.10090.1.S1_at	Homo-phytochelatin synthase	7.02
Mtr.4702.1.S1_at	Fiber protein Fb1	7.02
Mtr.40880.1.S1_at	Electron transfer flavoprotein beta-subunit	7.00
Mtr.43144.1.S1_at	NtEIG-E80 protein	6.97
Mtr.49088.1.S1_at	Rhodanese-like protein	6.96
Mtr.46200.1.S1_at	CCCH-type zinc finger protein	6.96
Mtr.41563.1.S1_s_at	Ring finger E3 ligase	6.96
Mtr.7255.1.S1_at	Arm repeat protein	6.94
Mtr.52294.1.S1_at	DNA photolyase	6.93
Mtr.12378.1.S1_at	Serine/threonine-protein kinase	6.93
Mtr.7397.1.S1_at	Heat shock transcription factor 34	6.92
Mtr.40125.1.S1_at	Peroxidase1B	6.91
Mtr.49055.1.S1_s_at	Hypothetical protein	6.91
Mtr.21028.1.S1_at	Hypothetical protein	6.90
Mtr.38349.1.S1_at	NAM (no apical meristem)-like protein	6.89
Mtr.50766.1.S1_at	Hypothetical protein	6.88
Mtr.43825.1.S1_at	Hypothetical protein	6.87
Mtr.29335.1.S1_at	Receptor-like protein kinase ARK1	6.87
Mtr.8933.1.S1_at	Homogentisate 1,2-dioxygenase	6.87
Mtr.11053.1.S1_at	WRKY-type transcription factor	6.87
Mtr.7906.1.S1_at	Vasopressin V1b receptor	6.87
Mtr.4906.1.S1_s_at	1-aminocyclopropane-1-carboxylate oxidase	6.87
Mtr.23572.1.S1_at	Hypothetical protein	6.86
Mtr.48787.1.S1_s_at	WD-40 repeat protein	6.85
Mtr.19871.1.S1_at	Calcium-binding EF-hand	6.85
Mtr.13594.1.S1_s_at	Lipase-like protein	6.84
Mtr.34980.1.S1_s_at	Hypothetical protein	6.84
Mtr.45910.1.S1_at	Hypothetical protein	6.83
Mtr.41255.1.S1_at	Amino acid permease AAP3	6.82
Mtr.32195.1.S1_at	Urea active transporter	6.82
Mtr.43455.1.S1_at	Hypothetical protein	6.81
Mtr.24411.1.S1_at	Hypothetical protein	6.81
Mtr.4083.1.S1_s_at	Hypothetical protein	6.81
Msa.3071.1.S1_at	Hypothetical protein	6.80
Mtr.5781.1.S1_at	Hypothetical protein	6.79
Mtr.246.1.S1_at	DnaJ-like protein	6.79
Mtr.12685.1.S1_at	Calcium/calmodulin-regulated receptor-like kinase	6.78
Mtr.45080.1.S1_at	Retinoic acid receptor alpha (RAR-alpha)	6.78
Mtr.33275.1.S1_s_at	Hypothetical protein	6.77
Mtr.48109.1.S1_at	WRKY4 transcription factor	6.76
Mtr.8726.1.S1_at	Hypothetical protein	6.76
Mtr.50358.1.S1_at	Hypothetical protein	6.74

Mtr.5869.1.S1_at	Hexose carrier protein	6.74
Mtr.43291.1.S1_at	Fiber protein Fb1	6.72
Mtr.40066.1.S1_at	Hydroxyproline-rich glycoprotein	6.72
Mtr.37347.1.S1_s_at	Hypothetical protein	6.71
Mtr.6889.1.S1_at	Hypothetical protein	6.67
Mtr.11488.1.S1_at	Hypothetical protein	6.67
Mtr.31452.1.S1_at	Hypothetical protein	6.65
Mtr.38358.1.S1_s_at	Hypothetical protein	6.65
Mtr.40847.1.S1_at	Heat shock transcription factor HSF30	6.65
Mtr.10325.1.S1_at	Chitinase	6.63
Mtr.24481.1.S1_at	Hypothetical protein	6.63
Mtr.29298.1.S1_at	Hypothetical protein	6.63
Mtr.39754.1.S1_at	NAM (No apical meristem)-like protein	6.63
Mtr.26988.1.S1_s_at	Hypothetical protein	6.62
Mtr.43497.1.S1_at	Ethylene-forming-enzyme-like dioxygenase	6.62
Mtr.35704.1.S1_at	Hypothetical protein	6.62
Mtr.49246.1.S1_at	Zn-finger, MYND type	6.62
Mtr.35662.1.S1_at	Hypothetical protein	6.62
Mtr.22599.1.S1_at	Histidine decarboxylase	6.60
Mtr.17467.1.S1_at	Serine/threonine protein kinase	6.58
Mtr.26988.1.S1_at	Hypothetical protein	6.57
Mtr.32312.1.S1_at	WRKY transcription factor	6.57
Mtr.28554.1.S1_at	Hypothetical protein	6.57
Mtr.27753.1.S1_at	L-lactate dehydrogenase	6.57
Mtr.11712.1.S1_at	NADH dehydrogenase subunit 6	6.56
Mtr.13139.1.S1_at	Carbonate dehydratase-like protein	6.56
Mtr.18037.1.S1_at	Hypothetical protein	6.55
Mtr.9091.1.S1_at	Hypothetical protein	6.54
Mtr.27812.1.S1_at	Hypothetical protein	6.54
Mtr.33188.1.S1_at	Hypothetical protein	6.54
Mtr.13318.1.S1_at	Hypothetical protein	6.53
Mtr.13630.1.S1_at	Membrane spanning protein	6.52
Mtr.14785.1.S1_at	Hypothetical protein	6.51
Mtr.49053.1.S1_s_at	Esterase/lipase/thioesterase	6.51
Msa.1241.1.S1_at	Hypothetical protein	6.50
Mtr.22444.1.S1_at	Calcium-binding EF-hand family protein	6.50
Mtr.4702.1.S1_s_at	Fiber protein Fb1	6.49
Mtr.29535.1.S1_at	Hypothetical protein	6.49
Mtr.14950.1.S1_s_at	Hypothetical protein	6.48
Mtr.35122.1.S1_at	Hypothetical protein	6.45
Mtr.51646.1.S1_at	Carbohydrate-binding protein	6.44
Mtr.44270.1.S1_at	Homocysteine S-methyltransferase 3	6.42
Mtr.40782.1.S1_at	Hypothetical protein	6.41
Mtr.40765.1.S1_at	Hypothetical protein	6.41
Msa.996.1.S1_at	Hypothetical protein	6.39
Mtr.35204.1.S1_at	Glycine-rich protein	6.36
Mtr.40256.1.S1_at	Hypothetical protein	6.36
Mtr.33678.1.S1_at	Hypothetical protein	6.35
Mtr.2627.1.S1_at	Hypothetical protein	6.35
Mtr.49481.1.S1_at	Hypothetical protein	6.34
Mtr.43956.1.S1_at	Zinc finger family protein	6.33
Msa.1875.1.S1_at	Hypothetical protein	6.32
Mtr.16851.1.S1_at	Serine/threonine protein kinase	6.32
Mtr.261.1.S1_at	Hypothetical protein	6.31

Mtr.12419.1.S1_s_at	50S ribosomal protein L15	6.30
Mtr.44843.1.S1_at	Hypothetical protein	6.30
Mtr.13643.1.S1_at	Hypothetical protein	6.30
Mtr.28498.1.S1_at	S-ribonuclease binding protein	6.28
Mtr.40005.1.S1_at	Hypothetical protein	6.27
Mtr.45833.1.S1_s_at	Hypothetical protein	6.27
Mtr.35960.1.S1_at	1, 3-beta-glucanase	6.27
Mtr.38547.1.S1_at	Tuber-specific and sucrose-responsive element binding factor	6.25
Mtr.12512.1.S1_at	Glutathione S-transferase GST 24	6.24
Mtr.38711.1.S1_at	GT-1 like transcription factor	6.23
Mtr.9034.1.S1_at	Hypothetical protein	6.22
Mtr.45270.1.S1_at	Hypothetical protein	6.22
Mtr.11502.1.S1_at	Hypothetical protein	6.22
Mtr.36679.1.S1_s_at	Hypothetical protein	6.20
Mtr.44996.1.S1_at	Acid phosphatase	6.19
Msa.1414.1.S1_at	Hypothetical protein	6.19
Msa.2935.1.S1_at	Hypothetical protein	6.18
Mtr.31312.1.S1_at	Receptor ser/thr protein kinase	6.18
Mtr.26304.1.S1_at	Hypothetical protein	6.18
Mtr.37277.1.S1_at	Calcium-dependent protein kinase	6.17
Mtr.31273.1.S1_at	Hypothetical protein	6.17
Mtr.37284.1.S1_at	Topoisomerase-like protein	6.17
Mtr.24000.1.S1_at	PPR repeat-containing protein	6.17
Mtr.6373.1.S1_at	Acetyl-CoA carboxylase	6.16
Mtr.4083.1.S1_at	Hypothetical protein	6.16
Mtr.43987.1.S1_at	Serin carboxypeptidase-like protein	6.16
Mtr.25168.1.S1_at	Leucine zipper-containing protein	6.15
Mtr.40982.1.S1_at	Yippee-like protein	6.14
Mtr.31327.1.S1_s_at	Protein kinase	6.14
Mtr.42340.1.S1_at	Importin alpha 2	6.14
Mtr.5270.1.S1_at	Hypothetical protein	6.13
Mtr.18602.1.S1_at	Pathogenesis-related transcriptional factor	6.12
Mtr.38258.1.S1_at	Peroxisomal acetoacetyl-coenzyme A thiolase	6.12
Mtr.11530.1.S1_at	Hypothetical protein	6.12
Mtr.2340.1.S1_s_at	Hypothetical protein	6.12
Mtr.42770.1.S1_at	Photosystem II 23 kDa polypeptide	6.11
Mtr.20185.1.S1_at	Naringenin-chalcone synthase	6.11
Mtr.31290.1.S1_at	NHL repeat-containing protein	6.11
Mtr.33360.1.S1_at	Hypothetical protein	6.11
Mtr.12225.1.S1_at	Plastidic ATP/ADP transporter	6.10
Mtr.46756.1.S1_s_at	Hypothetical protein	6.09
Mtr.6637.1.S1_s_at	Hypothetical protein	6.09
Mtr.40751.1.S1_at	Hypothetical protein	6.09
Mtr.13087.1.S1_at	Hypothetical protein	6.09
Mtr.12290.1.S1_s_at	Proline dehydrogenase	6.09
Mtr.13605.1.S1_at	Hypothetical protein	6.08
Mtr.29063.1.S1_at	Hypothetical protein	6.08
Mtr.12412.1.S1_at	Glutamate dehydrogenase 1	6.07
Mtr.7658.1.S1_at	Hypothetical protein	6.06
Mtr.41386.1.S1_at	Hypothetical protein	6.05
Mtr.40821.1.S1_at	Abscisic acid-activated protein kinase	6.05
Mtr.32799.1.S1_at	GTP-binding regulatory protein	6.05
Mtr.44393.1.S1_at	Transformer-SR ribonucleoprotein	6.05
Mtr.17422.1.S1_at	Amino acid/polyamine transporter I	6.04

Mtr.27551.1.S1_at	LOB domain protein 38	6.04
Mtr.10581.1.S1_at	Hypothetical protein	6.03
Mtr.42389.1.S1_at	Hypothetical protein	6.03
Mtr.40320.1.S1_at	Hypothetical protein	6.03
Mtr.33391.1.S1_at	Glycine-rich RNA binding protein	6.01
Mtr.23204.1.S1_x_at	Hypothetical protein	6.00
Mtr.50912.1.S1_s_at	Hypothetical protein	5.99
Mtr.8995.1.S1_at	Hypothetical protein	5.99
Msa.896.1.S1_at	Hypothetical protein	5.99
Mtr.11354.1.S1_at	Bacterial-induced peroxidase	5.98
Mtr.42039.1.S1_at	Hypothetical protein	5.97
Mtr.47936.1.S1_at	Hypothetical protein	5.97
Mtr.32211.1.S1_at	Asparagine synthetase	5.96
Mtr.13407.1.S1_at	Hypothetical protein	5.96
Mtr.7440.1.S1_at	Hypothetical protein	5.94
Mtr.44257.1.S1_s_at	Hypothetical protein	5.94
Mtr.18642.1.S1_at	Hypothetical protein	5.94
Mtr.11333.1.S1_at	Oxidase-like protein	5.94
Mtr.44658.1.S1_at	Hypothetical protein	5.94
Mtr.25841.1.S1_at	Plasma intrinsic protein	5.93
Mtr.13259.1.S1_at	Methylmalonate semi-aldehyde dehydrogenase	5.93
Mtr.38185.1.S1_at	Hypothetical protein	5.92
Mtr.41367.1.S1_at	Hypothetical protein	5.92
Mtr.22601.1.S1_at	Endoxyloglucan transferase	5.91
Mtr.20185.1.S1_x_at	Naringenin-chalcone synthase	5.91
Mtr.3345.1.S1_at	Hypothetical protein	5.91
Mtr.41961.1.S1_at	Hypothetical protein	5.90
Mtr.4870.1.S1_s_at	Hypothetical protein	5.90
Mtr.35009.1.S1_at	Hypothetical protein	5.89
Mtr.10165.1.S1_at	Ethylene receptor	5.89
Mtr.27950.1.S1_at	Hypothetical protein	5.89
Mtr.28325.1.S1_at	Branched-chain alpha-keto acid decarboxylase E1 beta subunit	5.88
Msa.2746.1.S1_at	Hypothetical protein	5.87
Mtr.21729.1.S1_at	Serine/threonine protein kinase	5.87
Mtr.30703.1.S1_at	Hypothetical protein	5.86
Mtr.12946.1.S1_at	Zinc finger (C3HC4-type RING finger) family protein	5.86
Mtr.46085.1.S1_at	Homeobox protein	5.86
Mtr.38662.1.S1_at	Hypothetical protein	5.85
Mtr.16703.1.S1_at	Disease resistance protein	5.85
Mtr.43971.1.S1_at	Hypothetical protein	5.85
Mtr.39919.1.S1_at	Protein kinase	5.85
Mtr.35045.1.S1_s_at	Rab escort protein	5.84
Mtr.37736.1.S1_at	Hypothetical protein	5.83
Mtr.10043.1.S1_at	Wax synthase	5.83
Mtr.22708.1.S1_at	Uridylyltransferase	5.82
Mtr.38092.1.S1_at	MAP kinase phosphatase	5.82
Mtr.50494.1.S1_s_at	Hypothetical protein	5.82
Mtr.43845.1.S1_at	Hypothetical protein	5.82
Mtr.18067.1.S1_at	O-methyltransferase	5.81
Mtr.33339.1.S1_at	Hypothetical protein	5.81
Mtr.31018.1.S1_at	Hypothetical protein	5.81
Mtr.9569.1.S1_at	Thaumatococcus-like protein 1	5.80
Mtr.7058.1.S1_at	Hypothetical protein	5.80
Mtr.38811.1.S1_s_at	Nucleosome assembly protein 1-like protein 4	5.80

Mtr.4284.1.S1_at	Hypothetical protein	5.80
Mtr.29602.1.S1_at	Hypothetical protein	5.78
Mtr.43170.1.S1_s_at	Glutamate dehydrogenase 1	5.78
Mtr.43272.1.S1_at	Hypothetical protein	5.77
Mtr.2282.1.S1_at	Hypothetical protein	5.77
Mtr.11713.1.S1_at	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1	5.77
Mtr.43705.1.S1_at	Light repressible receptor protein kinase	5.74
Mtr.29666.1.S1_at	Hypothetical protein	5.74
Mtr.11080.1.S1_s_at	Glutathione S-transferase	5.73
Mtr.8646.1.S1_at	Nine-cis-epoxycarotenoid dioxygenase 1	5.73
Mtr.50704.1.S1_s_at	Aldehyde dehydrogenase	5.73
Mtr.11986.1.S1_at	WD40-repeat protein	5.73
Mtr.12209.1.S1_at	Phi-1 protein	5.73
Mtr.44816.1.S1_at	Hypothetical protein	5.73
Mtr.52317.1.S1_at	Hypothetical protein	5.72
Mtr.35520.1.S1_at	Hypothetical protein	5.72
Mtr.15448.1.S1_at	Gibberellin regulated protein	5.72
Msa.1311.1.S1_at	Hypothetical protein	5.72
Mtr.9098.1.S1_at	CREG2-protein	5.71
Mtr.37301.1.S1_at	Cytochrome P450	5.70
Mtr.39874.1.S1_at	Hypothetical protein	5.70
Mtr.16145.1.S1_s_at	Serine/threonine protein kinase	5.69
Mtr.51630.1.S1_s_at	Hypothetical protein	5.69
Msa.1569.1.S1_at	Hypothetical protein	5.68
Mtr.13823.1.S1_at	Hypothetical protein	5.68
Mtr.13094.1.S1_at	GTP-binding protein	5.67
Mtr.42757.1.S1_at	Hypothetical protein	5.67
Mtr.31998.1.S1_at	Epoxide hydrolase	5.66
Mtr.10773.1.S1_at	Wasl protein	5.66
Mtr.35231.1.S1_at	Pathogenesis-related protein	5.66
Mtr.32690.1.S1_at	Nucleolar autoantigen-like protein	5.66
Mtr.36136.1.S1_at	Hypothetical protein	5.65
Mtr.10619.1.S1_at	Hypothetical protein	5.65
Mtr.33372.1.S1_at	Hypothetical protein	5.64
Mtr.44882.1.S1_at	Hypothetical protein	5.64
Mtr.14016.1.S1_at	Hypothetical protein	5.64
Mtr.16688.1.S1_at	Mitochondrial import inner membrane translocase	5.63
Mtr.43938.1.S1_at	Protein kinase	5.63
Mtr.2541.1.S1_at	RuvB DNA helicase	5.63
Mtr.35357.1.S1_at	Auxin-regulated gene	5.63
Mtr.47086.1.S1_s_at	Glucan 1,3-beta-glucosidase	5.62
Mtr.38375.1.S1_at	Hypothetical protein	5.62
Mtr.46410.1.S1_at	Hypothetical protein	5.62
Mtr.20704.1.S1_at	Nucleosome assembly protein	5.61
Mtr.22597.1.S1_s_at	Serine decarboxylase	5.61
Mtr.930.1.S1_at	Hypothetical protein	5.61
Mtr.21463.1.S1_at	Hypothetical protein	5.60
Mtr.43184.1.S1_at	Hypothetical protein	5.59
Mtr.18228.1.S1_at	Gibberellin regulated protein	5.59
Mtr.9522.1.S1_at	Hypothetical protein	5.58
Mtr.9486.1.S1_at	Zinc finger protein CONSTANS-LIKE 10	5.58
Mtr.5517.1.S1_at	Hypothetical protein	5.57
Mtr.39558.1.S1_at	Gamma-gliadin precursor	5.57
Mtr.51889.1.S1_s_at	Peptidase	5.57

Mtr.11357.1.S1_at	SNARE-interacting protein KEULE	5.56
Mtr.39751.1.S1_at	SRG1-like protein	5.56
Mtr.41599.1.S1_s_at	SNARE-interacting protein KEULE	5.56
Mtr.24530.1.S1_s_at	Amino acid transporter	5.56
Mtr.44519.1.S1_at	Hypothetical protein	5.55
Mtr.42984.1.S1_at	Proline dehydrogenase	5.55
Mtr.38520.1.S1_s_at	Hypothetical protein	5.55
Mtr.37208.1.S1_at	Hypothetical protein	5.55
Msa.2921.1.S1_at	Hypothetical protein	5.55
Mtr.34860.1.S1_s_at	Ubiquitin-protein ligase	5.54
Mtr.13641.1.S1_at	Alpha-mannosidase	5.54
Mtr.44228.1.S1_at	Cyanophycinase	5.54
Msa.3094.1.S1_at	Hypothetical protein	5.53
Mtr.5976.1.S1_at	ERD1 protein	5.52
Mtr.33096.1.S1_at	Heterogeneous nuclear ribonucleoprotein	5.52
Mtr.49473.1.S1_at	Aldehyde dehydrogenase	5.51
Mtr.16634.1.S1_s_at	Hypothetical protein	5.50
Mtr.24464.1.S1_at	Receptor-like protein kinase	5.50
Mtr.44587.1.S1_at	Peroxisomal acetoacetyl-coenzyme A thiolase	5.50
Mtr.37501.1.S1_at	Isoliquiritigenin 2'-O-methyltransferase	5.49
Mtr.11544.1.S1_at	Receptor-like kinase	5.49
Mtr.32566.1.S1_s_at	DEAD box protein	5.49
Mtr.20751.1.S1_at	bZIP transcription factor	5.48
Mtr.33428.1.S1_at	Hypothetical protein	5.48
Mtr.42907.1.S1_at	Hypothetical protein	5.47
Mtr.30257.1.S1_at	Hypothetical protein	5.47
Msa.3040.1.S1_at	Hypothetical protein	5.47
Mtr.42269.1.S1_at	Transcription factor (E2F)	5.46
Mtr.38566.1.S1_at	Hypothetical protein	5.46
Mtr.1851.1.S1_s_at	Secreted glycoprotein 3	5.46
Mtr.39065.1.S1_at	Hypothetical protein	5.45
Mtr.8407.1.S1_at	Hypothetical protein	5.45
Mtr.41839.1.S1_at	Hypothetical protein	5.45
Mtr.9901.1.S1_at	Receptor-like kinase	5.45
Mtr.7373.1.S1_at	Hypothetical protein	5.45
Mtr.12538.1.S1_at	Hypothetical protein	5.44
Mtr.15339.1.S1_at	Homeodomain-like proein	5.44
Mtr.12609.1.S1_at	Acyl CoA oxidase	5.43
Mtr.40002.1.S1_at	Hydroxymethylglutaryl-CoA lyase	5.43
Mtr.12456.1.S1_at	AP2-related transcription factor	5.43
Mtr.51562.1.S1_at	No apical meristem (NAM) protein	5.42
Mtr.10147.1.S1_at	Auxin-induced SAUR-like protein	5.42
Msa.1621.1.S1_at	Hypothetical protein	5.42
Mtr.30853.1.S1_at	Sugar transporter	5.41
Mtr.25254.1.S1_at	DnaJ-like protein	5.41
Mtr.19347.1.S1_at	Major intrinsic protein	5.40
Mtr.13769.1.S1_at	Exonuclease	5.40
Mtr.9041.1.S1_s_at	Hypothetical protein	5.40
Mtr.40284.1.S1_at	Hypothetical protein	5.40
Mtr.6811.1.S1_at	Glutathione S-transferase GST 17	5.39
Mtr.13682.1.S1_at	Alpha-mannosidase	5.39
Mtr.25966.1.S1_at	Hypothetical protein	5.39
Mtr.51296.1.S1_at	SPLa/RYanodine receptor	5.38
Mtr.40203.1.S1_at	Aldehyde dehydrogenase (NAD <sup>+</sup> )	5.38



Mtr.27318.1.S1_at	Fructose-bisphosphate aldolase	5.37
Mtr.6545.1.S1_at	Hypothetical protein	5.37
Mtr.32188.1.S1_x_at	Chalcone synthase 9	5.37
Mtr.48688.1.S1_at	DNA-binding WRKY	5.37
Mtr.13223.1.S1_at	Alpha-mannosidase	5.36
Mtr.48718.1.S1_at	Galactose-binding protein	5.36
Mtr.13645.1.S1_at	Hypothetical protein	5.36
Mtr.10805.1.S1_at	Avr9/Cf-9 rapidly elicited protein	5.35
Mtr.20378.1.S1_at	Sugar transporter	5.35
Mtr.42600.1.S1_at	Hypothetical protein	5.35
Mtr.48353.1.S1_at	Alpha fucosidase	5.35
Mtr.43706.1.S1_at	Hypothetical protein	5.35
Mtr.43917.1.S1_at	Hypothetical protein	5.35
Mtr.7313.1.S1_at	50S ribosomal protein L3-2	5.35
Mtr.37169.1.S1_at	Hypothetical protein	5.34
Mtr.34217.1.S1_at	Ss-galactosidase precursor	5.34
Mtr.43784.1.S1_at	Hypothetical protein	5.34
Msa.2542.1.S1_at	Hypothetical protein	5.34
Mtr.5840.1.S1_at	Hypothetical protein	5.33
Mtr.18295.1.S1_at	Zinc-containing alcohol dehydrogenase	5.33
Msa.1009.1.S1_at	Hypothetical protein	5.33
Mtr.3156.1.S1_at	Hypothetical protein	5.32
Mtr.12470.1.S1_at	Syringolide-induced protein	5.32
Msa.937.1.S1_at	Hypothetical protein	5.31
Mtr.30738.1.S1_at	Uracil phosphoribosyltransferase 1	5.31
Mtr.10703.1.S1_at	Kinesin-like protein KIF13B	5.31
Mtr.29510.1.S1_at	Hypothetical protein	5.31
Mtr.17966.1.S1_at	Leucine-rich repeat protein	5.31
Mtr.11572.1.S1_at	Receptor-like protein kinase	5.31
Mtr.51042.1.S1_at	Hypothetical protein	5.31
Mtr.9214.1.S1_at	Hypothetical protein	5.30
Mtr.44713.1.S1_at	Amino acid transporter-like protein	5.30
Mtr.9055.1.S1_at	Branched-chain alpha-keto acid decarboxylase E1	5.30
Mtr.42023.1.S1_at	Lipase SIL1	5.30
Mtr.42185.1.S1_at	Hypothetical protein	5.30
Mtr.44573.1.S1_at	GPI-anchored protein	5.30
Mtr.41983.1.S1_at	Glucosyltransferase-7	5.29
Mtr.10514.1.S1_at	Acyl-activating enzyme	5.29
Mtr.45031.1.S1_at	Proteinase	5.29
Mtr.6156.1.S1_at	Cytochrome oxidase subunit II	5.29
Mtr.26629.1.S1_at	CCR4-associated factor 1-related protein	5.29
Mtr.21708.1.S1_at	lysophospholipase	5.29
Mtr.38635.1.S1_at	Peroxidase 10	5.28
Mtr.13033.1.S1_at	Hypothetical protein	5.28
Mtr.9032.1.S1_at	Aspartyl protease	5.28
Msa.1202.1.S1_at	Hypothetical protein	5.28
Mtr.52124.1.S1_s_at	Phosphate-induced protein 1	5.27
Mtr.29714.1.S1_at	Hypothetical protein	5.26
Mtr.38945.1.S1_at	Hypothetical protein	5.26
Mtr.6352.1.S1_s_at	Alternative oxidase 3	5.25
Mtr.42223.1.S1_at	Hypothetical protein	5.25
Msa.3172.1.S1_at	Hypothetical protein	5.25
Mtr.24341.1.S1_at	Hypothetical protein	5.25
Mtr.43229.1.S1_at	Syringolide-induced protein 14-1-1	5.25

Mtr.37224.1.S1_at	Hydroxyproline-rich glycoprotein	5.25
Mtr.45563.1.S1_at	PDR9 ABC transporter	5.24
Msa.820.1.S1_at	Hypothetical protein	5.24
Mtr.11512.1.S1_at	Hypothetical protein	5.24
Mtr.43707.1.S1_at	Hypothetical protein	5.24
Mtr.33785.1.S1_at	Hypothetical protein	5.24
Mtr.5950.1.S1_s_at	Zinc finger protein	5.24
Mtr.12652.1.S1_s_at	Hypothetical protein	5.23
Mtr.21035.1.S1_at	Sugar transporter	5.23
Mtr.43346.1.S1_at	Nodulin-like protein	5.23
Mtr.34775.1.S1_at	Hypothetical protein	5.22
Mtr.41503.1.S1_at	Hypothetical protein	5.21
Mtr.11219.1.S1_at	Hypothetical protein	5.21
Mtr.32564.1.S1_at	Hypothetical protein	5.21
Mtr.9106.1.S1_at	RuvB DNA helicase	5.20
Mtr.17135.1.S1_at	ATPase, E1-E2 type	5.20
Mtr.14439.1.S1_at	Hypothetical protein	5.19
Mtr.48475.1.S1_at	Growth regulator like protein	5.19
Mtr.34121.1.S1_at	Hypothetical protein	5.19
Mtr.9031.1.S1_at	Nucellin-like aspartic protease	5.18
Mtr.40627.1.S1_at	Hypothetical protein	5.18
Mtr.45053.1.S1_at	Hypothetical protein	5.17
Mtr.10388.1.S1_at	UDP-glucose 4-epimerase	5.17
Msa.1505.1.S1_at	Hypothetical protein	5.17
Mtr.39454.1.S1_at	Enod8-like protein	5.16
Mtr.49418.1.S1_s_at	Hypothetical protein	5.16
Mtr.21016.1.S1_at	Hypothetical protein	5.16
Mtr.7966.1.S1_at	Hypothetical protein	5.15
Mtr.35681.1.S1_at	Metal-dependent amidase/aminoacylase/carboxypeptidase	5.15
Mtr.2218.1.S1_at	Ubiquitin-protein ligase	5.14
Mtr.18117.1.S1_at	Hypothetical protein	5.13
Mtr.5932.1.S1_at	Hypothetical protein	5.13
Mtr.40239.1.S1_at	Phosphoenolpyruvate carboxykinase	5.13
Mtr.7011.1.S1_at	Hypothetical protein	5.13
Mtr.44444.1.S1_at	MADS box interactor	5.13
Mtr.23414.1.S1_at	Hypothetical protein	5.13
Mtr.17255.1.S1_at	Formyl transferase	5.12
Mtr.41441.1.S1_at	Hypothetical protein	5.12
Mtr.50038.1.S1_at	No apical meristem (NAM) protein	5.12
Mtr.12703.1.S1_at	Hypothetical protein	5.12
Mtr.27180.1.S1_at	Ntdin	5.11
Mtr.10005.1.S1_at	Hypothetical protein	5.11
Mtr.2502.1.S1_s_at	Hypothetical protein	5.11
Mtr.11704.1.S1_at	Protein phosphatase 2C	5.11
Mtr.29342.1.S1_at	Hypothetical protein	5.10
Mtr.10063.1.S1_at	Cycloidea protein	5.10
Mtr.1800.1.S1_at	Cytochrome b	5.10
Mtr.40005.1.S1_s_at	Hypothetical protein	5.09
Mtr.15180.1.S1_at	Glucose-6-phosphate dehydrogenase	5.09
Mtr.28045.1.S1_at	Hypothetical protein	5.09
Mtr.82.1.S1_at	STS14 protein	5.08
Mtr.44073.1.S1_at	En/Spm-like transposon protein	5.08
Mtr.19347.1.S1_s_at	Major intrinsic protein	5.08
Mtr.1526.1.S1_a_at	Hypothetical protein	5.08

Mtr.21501.1.S1_at	Zn-finger, RING	5.08
Mtr.15228.1.S1_s_at	Pre-mRNA processing ribonucleoprotein	5.08
Mtr.43343.1.S1_at	Hypothetical protein	5.08
Mtr.36359.1.S1_s_at	Hypothetical protein	5.08
Mtr.40917.1.S1_at	SPF1 protein	5.07
Mtr.2604.1.S1_x_at	Nodulin	5.07
Mtr.43391.1.S1_at	Hypothetical protein	5.06
Mtr.41551.1.S1_at	SCARECROW-like protein	5.06
Msa.2722.1.S1_at	Hypothetical protein	5.06
Mtr.38570.1.S1_at	YGL010w-like protein	5.06
Mtr.25922.1.S1_at	Hypothetical protein	5.05
Mtr.34967.1.S1_at	ERD1 protein	5.04
Mtr.40789.1.S1_at	DNA-binding protein	5.04
Mtr.40168.1.S1_at	Phenylalanine ammonia-lyase 2	5.03
Mtr.45088.1.S1_at	Vesicle transport v-SNARE 13	5.02
Mtr.32566.1.S1_at	DEAD box protein	5.02
Mtr.10930.1.S1_at	Caffeoyl-CoA O-methyltransferase 5	5.01
Mtr.37779.1.S1_at	Formate dehydrogenase	5.01
Mtr.41029.1.S1_s_at	Ankyrin repeat-containing protein	5.01
Mtr.7014.1.S1_at	Peptide transporter 1	5.00
Mtr.35824.1.S1_at	GATA-1 zinc finger protein	5.00
Mtr.12958.1.S1_at	Hypothetical protein	5.00
Mtr.20288.1.S1_at	Transcriptional factor	5.00
Mtr.40050.1.S1_at	Rab escort protein	4.99
Mtr.45159.1.S1_at	Hypothetical protein	4.99
Mtr.6892.1.S1_at	S glycoprotein	4.98
Mtr.41497.1.S1_at	ARIADNE-like protein	4.97
Mtr.39144.1.S1_at	WD40-repeat protein	4.97
Mtr.1676.1.S1_at	Hypothetical protein	4.95
Mtr.42222.1.S1_at	Hypothetical protein	4.95
Mtr.42418.1.S1_at	Phospholipase D	4.95
Mtr.33541.1.S1_x_at	Asparagine synthase (glutamine-hydrolysing)	4.95
Mtr.26369.1.S1_at	Hypothetical protein	4.94
Mtr.9031.1.S1_s_at	Nucellin-like aspartic protease	4.94
Mtr.7227.1.S1_at	Hypothetical protein	4.94
Mtr.8789.1.S1_s_at	Formate dehydrogenase	4.94
Mtr.10565.1.S1_at	Hypothetical protein	4.93
Mtr.7253.1.S1_at	Snakin-1	4.93
Mtr.12662.1.S1_at	Patatin-like protein 1	4.93
Mtr.48506.1.S1_at	Hypothetical protein	4.93
Mtr.25059.1.S1_at	WD-40 repeat protein	4.93
Mtr.39176.1.S1_at	Hypothetical protein	4.93
Mtr.1952.1.S1_at	Hypothetical protein	4.93
Mtr.40278.1.S1_at	Glutathione S-transferase	4.92
Mtr.9101.1.S1_at	PDR-like ABC transporter	4.92
Mtr.17625.1.S1_at	Zn-finger, RING	4.92
Mtr.16195.1.S1_at	Hypothetical protein	4.91
Mtr.22834.1.S1_at	Symbiotic ammonium transporter	4.91
Mtr.1430.1.S1_at	Hypothetical protein	4.91
Mtr.40547.1.S1_at	bZIP transcription factor	4.91
Mtr.47187.1.S1_at	Glyoxysomal fatty acid beta-oxidation multifunctional protein	4.90
Mtr.14250.1.S1_at	Arf GTPase activating protein	4.90
Mtr.13273.1.S1_at	TINY-like protein	4.90
Mtr.49791.1.S1_at	Auxin responsive SAUR protein	4.90

Mtr.24888.1.S1_at	Hypothetical protein	4.90
Mtr.29620.1.S1_at	Hypothetical protein	4.89
Mtr.47932.1.S1_at	Xylulose kinase	4.89
Mtr.27992.1.S1_at	Hypothetical protein	4.88
Mtr.13270.1.S1_at	Hypothetical protein	4.88
Mtr.45741.1.S1_at	Cytochrome P450	4.88
Mtr.16691.1.S1_at	Myb, DNA-binding protein	4.88
Mtr.35927.1.S1_at	Maturase K	4.87
Mtr.27097.1.S1_at	Hypothetical protein	4.87
Mtr.42872.1.S1_at	Hypothetical protein	4.87
Mtr.39139.1.S1_at	Pathogenesis-related protein 4A	4.87
Mtr.42610.1.S1_at	Acyl-activating enzyme 17	4.87
Mtr.11677.1.S1_at	ERD1 protein	4.87
Mtr.28295.1.S1_s_at	Female-specific transformer protein	4.87
Mtr.9440.1.S1_at	Hypothetical protein	4.86
Mtr.43134.1.S1_at	Fructose-bisphosphate aldolase-like protein	4.86
Msa.2848.1.S1_at	Hypothetical protein	4.86
Mtr.44386.1.S1_at	Hypothetical protein	4.86
Mtr.31327.1.S1_at	Protein kinase	4.85
Mtr.20008.1.S1_at	Ankyrin Repeat Protein	4.85
Mtr.13110.1.S1_at	Fiber protein Fb2	4.84
Mtr.2465.1.S1_at	Hypothetical protein	4.84
Mtr.45583.1.S1_at	Hypothetical protein	4.84
Mtr.37425.1.S1_at	Transcription factor WRKY10	4.84
Mtr.37928.1.S1_at	Thiamin pyrophosphokinase 1	4.84
Mtr.43834.1.S1_at	DEAD-Box RNA helicase-like protein	4.84
Msa.1103.1.S1_at	Hypothetical protein	4.83
Mtr.17513.1.S1_at	bZIP transcription factor	4.83
Msa.2554.1.S1_at	Hypothetical protein	4.83
Mtr.42795.1.S1_at	Glutamate synthase [NADH]	4.83
Mtr.10416.1.S1_at	3-deoxy-D-arabino-heptulosonate 7-phosphate synthase	4.83
Mtr.31944.1.S1_at	Hypothetical protein	4.83
Mtr.28526.1.S1_at	Hypothetical protein	4.83
Mtr.233.1.S1_at	Patatin-related protein	4.82
Mtr.7448.1.S1_s_at	Hypothetical protein	4.82
Mtr.38097.1.S1_at	Hypothetical protein	4.82
Mtr.35968.1.S1_at	UDP-glucosyltransferase	4.81
Mtr.33601.1.S1_s_at	Nodulin26-like major intrinsic protein	4.81
Mtr.14627.1.S1_at	Hypothetical protein	4.81
Mtr.14281.1.S1_at	Hypothetical protein	4.81
Mtr.44727.1.S1_at	Timing of CAB expression 1	4.80
Mtr.9417.1.S1_at	Beta-galactosidase	4.79
Mtr.45463.1.S1_at	Xyloglucan endotransglucosylase/hydrolase	4.78
Mtr.39092.1.S1_at	Cytochrome oxidase subunit III	4.78
Mtr.44597.1.S1_at	Female-specific transformer protein	4.78
Mtr.25525.1.S1_at	Hypothetical protein	4.78
Mtr.40433.1.S1_at	Hypothetical protein	4.78
Mtr.16824.1.S1_at	Heavy metal transport/detoxification protein	4.78
Mtr.49791.1.S1_x_at	Auxin responsive SAUR protein	4.77
Mtr.1343.1.S1_at	Hypothetical protein	4.77
Msa.2952.1.S1_at	Hypothetical protein	4.76
Mtr.17517.1.S1_at	Hypothetical protein	4.76
Mtr.24465.1.S1_at	Receptor-like protein kinase	4.76
Mtr.12018.1.S1_at	Hypothetical protein	4.76

Mtr.16783.1.S1_at	Hypothetical protein	4.75
Mtr.36311.1.S1_at	Hypothetical protein	4.75
Mtr.38129.1.S1_at	RNA-binding protein	4.75
Mtr.44417.1.S1_at	Disease resistance protein	4.74
Mtr.15278.1.S1_s_at	Zn-finger, C2H2 type	4.74
Mtr.37771.1.S1_at	Ser/Thr protein kinase	4.74
Mtr.16301.1.S1_at	Hypothetical protein	4.74
Mtr.48476.1.S1_at	Hypothetical protein	4.74
Mtr.10817.1.S1_at	Hypothetical protein	4.74
Mtr.1955.1.S1_at	Protein phosphatase 2C	4.73
Mtr.43499.1.S1_at	Hypothetical protein	4.73
Mtr.10628.1.S1_at	Aldehyde 5-hydroxylase	4.73
Mtr.41861.1.S1_at	Acetyl-CoA carboxylase	4.72
Mtr.38368.1.S1_at	Hypothetical protein	4.72
Mtr.8669.1.S1_at	Hypothetical protein	4.72
Mtr.5877.1.S1_at	Thioredoxin 2	4.72
Mtr.10798.1.S1_at	Hypothetical protein	4.72
Mtr.49047.1.S1_at	Glycoside hydrolase	4.71
Mtr.13491.1.S1_at	Beta xylosidase	4.71
Mtr.41182.1.S1_at	GTP-binding protein-like (Ras-related GTP-binding protein)	4.71
Mtr.40058.1.S1_x_at	Nodulin	4.70
Mtr.27194.1.S1_at	Hypothetical protein	4.69
Mtr.41299.1.S1_s_at	Hypothetical protein	4.69
Mtr.8701.1.S1_at	Leucine rich repeat protein	4.69
Mtr.11112.1.S1_at	Hypothetical protein	4.69
Msa.2665.1.S1_at	Hypothetical protein	4.68
Mtr.34901.1.S1_s_at	PDR-like ABC transporter	4.68
Mtr.18646.1.S1_at	Hypothetical protein	4.68
Mtr.7638.1.S1_at	Endo-1,3-beta-glucanase	4.68
Mtr.21466.1.S1_at	Serine/threonine protein kinase	4.68
Mtr.37996.1.S1_at	Serine/threonine-specific receptor protein kinase	4.67
Mtr.12123.1.S1_at	Hypothetical protein	4.67
Mtr.21119.1.S1_at	Phytochrome kinase	4.67
Mtr.40272.1.S1_at	Nodulin-like protein	4.67
Mtr.10959.1.S1_at	Nodulin-like protein	4.67
Mtr.12835.1.S1_at	Hypothetical protein	4.66
Mtr.34018.1.S1_at	S-receptor kinase	4.66
Mtr.37913.1.S1_at	Acyl-CoA oxidase	4.66
Mtr.13391.1.S1_at	Hypothetical protein	4.64
Mtr.22558.1.S1_s_at	Hydroxymethylglutaryl-CoA lyase	4.64
Mtr.41607.1.S1_at	Hypothetical protein	4.64
Msa.2783.1.S1_at	Hypothetical protein	4.64
Mtr.51656.1.S1_at	Ubiquitin-associated protein	4.63
Mtr.17903.1.S1_at	Hypothetical protein	4.63
Mtr.6178.1.S1_at	Alanine racemase	4.62
Mtr.51564.1.S1_at	Galactose-binding protein	4.62
Mtr.3183.1.S1_at	Hypothetical protein	4.62
Msa.2215.1.S1_at	Hypothetical protein	4.62
Mtr.10974.1.S1_at	Hypothetical protein	4.62
Mtr.16912.1.S1_at	WD-40 repeat	4.62
Mtr.11550.1.S1_at	Diacylglycerol kinase	4.62
Mtr.11633.1.S1_at	Transducin-like protein	4.62
Mtr.8936.1.S1_at	Zinc finger protein	4.62
Mtr.9577.1.S1_at	Hypothetical protein	4.61

Mtr.20630.1.S1_at	Glycoside hydrolase	4.61
Mtr.34632.1.S1_s_at	Seven transmembrane helix receptor	4.61
Mtr.37677.1.S1_s_at	Hypothetical protein	4.61
Mtr.41977.1.S1_at	Hypothetical protein	4.60
Mtr.12525.1.S1_at	Chitinase	4.60
Mtr.11287.1.S1_at	Hypothetical protein	4.60
Mtr.16728.1.S1_at	Fibrillarlin	4.60
Mtr.15054.1.S1_at	Thaumatococin	4.60
Msa.2884.1.S1_at	Hypothetical protein	4.60
Mtr.27919.1.S1_at	Hypothetical protein	4.60
Mtr.41745.1.S1_at	General negative transcription regulator	4.60
Mtr.44169.1.S1_at	Spermatid-specific protein T1	4.60
Mtr.38993.1.S1_at	ERD1 protein	4.59
Mtr.32458.1.S1_at	Hypothetical protein	4.59
Mtr.10976.1.S1_at	WRKY transcription factor	4.59
Mtr.15850.1.S1_at	Glycine-rich RNA binding protein	4.59
Mtr.42215.1.S1_at	Hypothetical protein	4.59
Mtr.52198.1.S1_at	Bacterial regulatory factor	4.58
Mtr.33658.1.S1_at	Hypothetical protein	4.58
Mtr.12051.1.S1_at	Hypothetical protein	4.57
Mtr.8674.1.S1_at	Serine/threonine protein phosphatase PP1	4.57
Msa.1485.1.S1_at	Hypothetical protein	4.57
Mtr.40110.1.S1_at	Ribosomal protein S27	4.56
Mtr.50547.1.S1_at	RHO protein GDP dissociation inhibitor	4.56
Mtr.44843.1.S1_s_at	Hypothetical protein	4.55
Mtr.38894.1.S1_s_at	Hypothetical protein	4.55
Mtr.45221.1.S1_at	Hypothetical protein	4.55
Mtr.29044.1.S1_at	Hypothetical protein	4.55
Mtr.39305.1.S1_at	Heat shock transcription factor 34	4.54
Mtr.457.1.S1_s_at	Hypothetical protein	4.54
Mtr.2673.1.S1_s_at	Hypothetical protein	4.54
Mtr.13646.1.S1_at	Hypothetical protein	4.54
Msa.1821.1.S1_at	Hypothetical protein	4.54
Mtr.39403.1.S1_at	Receptor-like serine/threonine kinase	4.53
Mtr.10389.1.S1_s_at	UDP-glucose 4-epimerase	4.53
Mtr.47087.1.S1_at	Glucan 1,3-beta-glucosidase	4.53
Mtr.27396.1.S1_at	Isoliquiritigenin 2'-O-methyltransferase	4.53
Mtr.46097.1.S1_at	Hypothetical protein	4.53
Mtr.1018.1.S1_s_at	GDP-mannose transporter	4.53
Mtr.31455.1.S1_at	Hypothetical protein	4.52
Mtr.28840.1.S1_at	TFIIIE-beta	4.52
Mtr.46013.1.S1_at	4Fe-4S ferredoxin, iron-sulfur binding protein	4.52
Mtr.6104.1.S1_at	Short chain alcohol dehydrogenase	4.52
Mtr.42571.1.S1_at	MutT domain protein	4.52
Mtr.1921.1.S1_at	Hypothetical protein	4.51
Mtr.42067.1.S1_s_at	Hypothetical protein	4.51
Mtr.21478.1.S1_s_at	Hypothetical protein	4.51
Mtr.38615.1.S1_at	Hypothetical protein	4.51
Mtr.41789.1.S1_at	Hypothetical protein	4.50
Mtr.10984.1.S1_at	Hypothetical protein	4.50
Mtr.9984.1.S1_at	Acyl-activating enzyme 17	4.50
Mtr.43041.1.S1_at	Hexokinase	4.50
Mtr.43706.1.S1_s_at	Hypothetical protein	4.50
Msa.1940.1.S1_at	Hypothetical protein	4.50

Mtr.24434.1.S1_at	Hypothetical protein	4.49
Mtr.35865.1.S1_at	Cdc2MsC protein	4.48
Mtr.51989.1.S1_s_at	EAG/ELK/ERG potassium channel	4.48
Mtr.6197.1.S1_s_at	Root nodule extensin	4.48
Mtr.12208.1.S1_at	Pentameric polyubiquitin	4.48
Mtr.49405.1.S1_s_at	TIR; Disease resistance protein	4.48
Mtr.16854.1.S1_x_at	Protein kinase	4.48
Mtr.4958.1.S1_at	Hypothetical protein	4.47
Mtr.21905.1.S1_at	Hypothetical protein	4.47
Mtr.19752.1.S1_at	Hypothetical protein	4.47
Mtr.41841.1.S1_at	Hypothetical protein	4.47
Mtr.12817.1.S1_at	Hypothetical protein	4.46
Mtr.1969.1.S1_at	Hypothetical protein	4.46
Mtr.12962.1.S1_at	Rho GDP dissociation inhibitor 2	4.46
Mtr.42171.1.S1_at	Ankyrin repeat-containing protein	4.46
Msa.2671.1.S1_s_at	Hypothetical protein	4.45
Mtr.10807.1.S1_at	Hypothetical protein	4.45
Mtr.44974.1.S1_at	Kinetechore (Skp1p-like) protein	4.45
Mtr.11140.1.S1_at	Protein kinase APK1B	4.45
Mtr.28497.1.S1_at	Hypothetical protein	4.44
Mtr.33595.1.S1_s_at	Root-specific metal transporter	4.44
Mtr.45783.1.S1_at	Short-chain dehydrogenase/reductase SDR	4.44
Mtr.33152.1.S1_at	Hypothetical protein	4.44
Mtr.6341.1.S1_at	Beta-1, 3-glucanase	4.44
Mtr.49872.1.S1_at	Hypothetical protein	4.44
Mtr.47863.1.S1_s_at	Transcription factor WRKY10	4.43
Mtr.32287.1.S1_at	Hypothetical protein	4.43
Mtr.43389.1.S1_at	Fiber protein Fb2	4.43
Mtr.40523.1.S1_at	General negative transcription regulator	4.43
Mtr.12990.1.S1_at	Nucleolar histone deacetylase	4.43
Mtr.45247.1.S1_at	Pre-mRNA splicing factor ATP-dependent RNA helicase	4.43
Mtr.34917.1.S1_at	Hypothetical protein	4.43
Mtr.7503.1.S1_at	Hypothetical protein	4.43
Mtr.37469.1.S1_s_at	Hypothetical protein	4.42
Mtr.46176.1.S1_at	Hypothetical protein	4.42
Mtr.51608.1.S1_at	Plant lipid transfer protein	4.42
Mtr.2945.1.S1_at	Ferredoxin-NADP+ reductase	4.42
Mtr.37730.1.S1_at	Golgi SNARE 11 protein	4.42
Mtr.45351.1.S1_s_at	Hypothetical protein	4.42
Mtr.10176.1.S1_at	Hypothetical protein	4.41
Mtr.11106.1.S1_at	Vernalization 2 protein	4.41
Mtr.25964.1.S1_s_at	Hypothetical protein	4.40
Mtr.8464.1.S1_s_at	Cysteine synthase	4.39
Mtr.50050.1.S1_at	Isopenicillin N synthetase	4.39
Mtr.23261.1.S1_at	Hypothetical protein	4.39
Mtr.1536.1.S1_s_at	Hypothetical protein	4.39
Mtr.40094.1.S1_at	GH3 like protein	4.39
Mtr.13394.1.S1_at	Surfeit 1	4.39
Mtr.28786.1.S1_at	Dihydrodipicolinate synthase	4.39
Mtr.21708.1.S1_s_at	lysophospholipase	4.38
Mtr.35538.1.S1_at	Avr9/Cf-9 rapidly elicited protein	4.38
Mtr.16110.1.S1_at	Ankyrin	4.38
Mtr.41875.1.S1_at	Receptor protein kinase	4.38
Mtr.7135.1.S1_at	Low temperature-responsive RNA-binding protein	4.38

Msa.1800.1.S1_at	Hypothetical protein	4.38
Msa.1598.1.S1_at	Hypothetical protein	4.37
Mtr.42229.1.S1_at	Hypothetical protein	4.37
Mtr.29376.1.S1_at	Hypothetical protein	4.36
Msa.1124.1.S1_at	Hypothetical protein	4.36
Mtr.9542.1.S1_at	SET-domain transcriptional regulator	4.36
Mtr.9496.1.S1_at	Proline rich protein	4.36
Mtr.43362.1.S1_at	Serine/threonine protein phosphatase PP2A	4.36
Msa.1032.1.S1_at	Hypothetical protein	4.35
Mtr.27641.1.S1_at	Hypothetical protein	4.35
Mtr.38801.1.S1_at	TGA-type basic leucine zipper protein TGA1.1	4.35
Mtr.45266.1.S1_at	Phospholipase D	4.35
Mtr.11338.1.S1_at	Hypothetical protein	4.35
Mtr.26632.1.S1_at	Pathogen-related protein	4.34
Mtr.44094.1.S1_at	Hypothetical protein	4.34
Mtr.15525.1.S1_at	Dynein light chain	4.34
Mtr.13495.1.S1_at	Epithelial keratin 2e	4.34
Mtr.10968.1.S1_at	Osmotin-like protein	4.34
Mtr.37526.1.S1_at	Aluminum-induced protein	4.33
Mtr.9327.1.S1_at	Pre-mRNA splicing factor ATP-dependent RNA helicase	4.33
Mtr.41307.1.S1_at	Hypothetical protein	4.33
Mtr.41986.1.S1_at	Wall-associated kinase 4	4.32
Msa.821.1.S1_at	Hypothetical protein	4.32
Mtr.40416.1.S1_at	Hypothetical protein	4.32
Mtr.12229.1.S1_s_at	RING zinc finger protein	4.32
Mtr.43025.1.S1_at	Histone H1	4.32
Mtr.38027.1.S1_at	Hypothetical protein	4.31
Mtr.21000.1.S1_at	Universal stress protein	4.31
Mtr.12155.1.S1_at	WRKY-type DNA binding protein	4.31
Mtr.13334.1.S1_at	Acetoacetyl-CoA thiolase	4.31
Mtr.7653.1.S1_at	Hypothetical protein	4.31
Msa.963.1.S1_at	Hypothetical protein	4.31
Mtr.2846.1.S1_at	Hypothetical protein	4.31
Mtr.9291.1.S1_s_at	Hypothetical protein	4.30
Mtr.32787.1.S1_at	ARIADNE-like protein	4.30
Mtr.38881.1.S1_at	Hypothetical protein	4.30
Mtr.37524.1.S1_at	Hypothetical protein	4.29
Mtr.47843.1.S1_at	Monosaccharide transporter	4.29
Msa.2981.1.S1_at	Hypothetical protein	4.29
Mtr.9182.1.S1_at	Hypothetical protein	4.29
Mtr.28948.1.S1_at	Hypothetical protein	4.29
Mtr.41187.1.S1_at	bZip transcription factor	4.29
Mtr.38026.1.S1_at	Hypothetical protein	4.29
Mtr.32914.1.S1_at	Ethylene-induced esterase	4.29
Mtr.38205.1.S1_at	GDP-Mannose transporter	4.28
Mtr.5684.1.S1_at	Hypothetical protein	4.28
Mtr.47077.1.S1_at	Hypothetical protein	4.28
Mtr.2617.1.S1_s_at	Hypothetical protein	4.28
Msa.2535.1.S1_at	Hypothetical protein	4.28
Mtr.32999.1.S1_at	Hypothetical protein	4.27
Mtr.7519.1.S1_at	IFA-binding protein	4.27
Mtr.48842.1.S1_at	Wound-induced protein	4.27
Mtr.33699.1.S1_at	Trehalose-6-phosphate synthase	4.27
Mtr.9697.1.S1_at	Hypothetical protein	4.26



Mtr.24465.1.S1_x_at	Receptor-like protein kinase	4.26
Msa.1515.1.S1_at	Hypothetical protein	4.26
Mtr.39883.1.S1_at	ARIADNE-like protein ARI7	4.26
Msa.1479.1.S1_at	Hypothetical protein	4.25
Mtr.13667.1.S1_at	Hypothetical protein	4.25
Mtr.33608.1.S1_at	Hypothetical protein	4.25
Mtr.43583.1.S1_at	Hypothetical protein	4.25
Mtr.40099.1.S1_at	Hypothetical protein	4.25
Mtr.1398.1.S1_s_at	Hypothetical protein	4.25
Mtr.11911.1.S1_at	Hypothetical protein	4.25
Mtr.40933.1.S1_at	TIR-similar-domain-containing protein	4.25
Mtr.31.1.S1_at	Peroxidase 3	4.25
Mtr.46098.1.S1_s_at	Zn-finger, DHHC type	4.24
Mtr.14729.1.S1_at	RNA-processing protein	4.24
Mtr.13773.1.S1_at	NADH dehydrogenase subunit 4	4.24
Mtr.6918.1.S1_at	Phospholipase PLDb1	4.24
Mtr.42289.1.S1_at	Hypothetical protein	4.24
Mtr.12490.1.S1_at	Hypothetical protein	4.24
Mtr.31741.1.S1_at	WD repeat domain	4.24
Mtr.35611.1.S1_at	Hypothetical protein	4.24
Mtr.43612.1.S1_at	WRKY transcription factor 65	4.24
Mtr.40144.1.S1_at	Glutamate-rich protein	4.24
Mtr.11878.1.S1_at	Receptor protein kinase	4.23
Mtr.32533.1.S1_s_at	Hypothetical protein	4.23
Mtr.40021.1.S1_at	Germin-like protein	4.23
Mtr.40178.1.S1_at	Hypothetical protein	4.23
Mtr.43355.1.S1_at	Hypothetical protein	4.22
Mtr.7268.1.S1_at	Hypothetical protein	4.22
Mtr.43483.1.S1_at	Hypothetical protein	4.22
Mtr.16414.1.S1_s_at	Ubiquitin system component Cue	4.22
Mtr.27346.1.S1_at	Hypothetical protein	4.22
Mtr.17962.1.S1_at	DNA-binding WRKY	4.22
Mtr.38070.1.S1_at	Hypothetical protein	4.22
Mtr.47086.1.S1_at	Glucan 1,3-beta-glucosidase	4.22
Mtr.13392.1.S1_at	Protein kinase	4.22
Mtr.900.1.S1_at	PPR repeat-containing protein	4.21
Mtr.41029.1.S1_at	Ankyrin repeat-containing protein	4.21
Mtr.17691.1.S1_at	Transcriptional factor	4.21
Mtr.12449.1.S1_at	Hypothetical protein	4.21
Mtr.9139.1.S1_at	Hypothetical protein	4.21
Mtr.38655.1.S1_at	Hypothetical protein	4.20
Mtr.51932.1.S1_at	Quinonprotein alcohol dehydrogenase	4.20
Msa.1174.1.S1_at	Hypothetical protein	4.20
Mtr.6343.1.S1_at	Hydroxyproline-rich glycoprotein	4.20
Mtr.34454.1.S1_at	Hypothetical protein	4.19
Mtr.32738.1.S1_at	Myo-inositol oxygenase	4.19
Mtr.45883.1.S1_at	Hypothetical protein	4.19
Mtr.44614.1.S1_at	Auxilin-like protein	4.19
Mtr.50730.1.S1_at	bZIP transcription factor	4.18
Mtr.2533.1.S1_at	Hypothetical protein	4.18
Mtr.12497.1.S1_at	Protein kinase	4.18
Msa.1370.1.S1_at	Hypothetical protein	4.18
Mtr.15199.1.S1_at	Hypothetical protein	4.17
Mtr.34874.1.S1_s_at	Dolichyl-phosphate beta-glucosyltransferase homolog	At2g39630 - 4.17

Mtr.37684.1.S1_at	Actin-depolymerizing factor 5	4.17
Mtr.38752.1.S1_at	Geranyl diphosphate synthase small subunit	4.17
Mtr.18069.1.S1_x_at	Disease resistance protein	4.17
Mtr.12229.1.S1_at	RING zinc finger protein	4.16
Mtr.40631.1.S1_at	Protein kinase	4.16
Mtr.5750.1.S1_at	EREBP-3-like protein	4.16
Mtr.40315.1.S1_at	Al-induced protein	4.16
Mtr.39023.1.S1_at	Hypothetical protein	4.16
Mtr.32808.1.S1_at	Hypothetical protein	4.16
Mtr.29855.1.S1_at	Hypothetical protein	4.15
Mtr.42598.1.S1_at	Hypothetical protein	4.15
Mtr.5723.1.S1_at	Hypothetical protein	4.15
Mtr.52078.1.S1_s_at	Hypothetical protein	4.15
Mtr.39031.1.S1_at	Hypothetical protein	4.15
Mtr.7637.1.S1_at	Prostatic spermine-binding protein	4.15
Mtr.9362.1.S1_at	Hypothetical protein	4.14
Mtr.41578.1.S1_at	Hypothetical protein	4.14
Mtr.5079.1.S1_at	Syringolide-induced protein 1-3-1B	4.14
Mtr.12878.1.S1_at	Nucleoid DNA-binding-like protein	4.14
Mtr.39540.1.S1_at	AttA2-like ABC transporter	4.13
Mtr.41752.1.S1_at	Geraniol 10-hydroxylase	4.13
Mtr.47433.1.S1_at	Hypothetical protein	4.13
Mtr.41733.1.S1_at	Hypothetical protein	4.13
Mtr.23052.1.S1_at	AAA-type ATPase	4.13
Mtr.52169.1.S1_at	Hypothetical protein	4.13
Mtr.4342.1.S1_at	Hypothetical protein	4.12
Mtr.43909.1.S1_at	RNA-binding region RNP-1	4.12
Mtr.11114.1.S1_at	Hypothetical protein	4.12
Mtr.12146.1.S1_at	Hypothetical protein	4.12
Mtr.45293.1.S1_s_at	Hypothetical protein	4.12
Mtr.27620.1.S1_at	Hypothetical protein	4.12
Mtr.4829.1.S1_s_at	Lipoate protein ligase	4.12
Mtr.34899.1.S1_at	Hexose carrier protein	4.12
Mtr.40696.1.S1_at	Hypothetical protein	4.11
Mtr.39259.1.S1_at	Hypothetical protein	4.11
Mtr.45285.1.S1_at	Hypothetical protein	4.11
Msa.2736.1.S1_at	Hypothetical protein	4.11
Mtr.15856.1.S1_x_at	RNA-binding region RNP-1	4.10
Mtr.13660.1.S1_at	ERD3 protein	4.09
Mtr.40876.1.S1_at	Hypothetical protein	4.09
Mtr.44123.1.S1_at	Lipase class 3	4.09
Mtr.42359.1.S1_at	Hypothetical protein	4.09
Mtr.9135.1.S1_at	Homeobox-leucine zipper protein	4.09
Mtr.11991.1.S1_at	Strubbelig receptor family	4.09
Mtr.28237.1.S1_s_at	Agenet domain-containing protein	4.09
Mtr.1874.1.S1_s_at	Potential phospholipid-transporting ATPase 9	4.08
Msa.2660.1.S1_at	Hypothetical protein	4.08
Mtr.43097.1.S1_at	Beta-amylase	4.08
Mtr.9188.1.S1_at	Hypothetical protein	4.08
Mtr.45020.1.S1_at	Beta-glucosidase-like protein	4.08
Mtr.5663.1.S1_at	Beta-galactosidase	4.08
Mtr.13156.1.S1_at	Hypothetical protein	4.08
Mtr.51565.1.S1_s_at	Galactose-binding protein	4.07
Mtr.7084.1.S1_at	Asparagine synthase	4.07

Mtr.32367.1.S1_s_at	Peroxidase 3	4.07
Mtr.38484.1.S1_at	Yippee-like protein	4.07
Mtr.23415.1.S1_at	Hypothetical protein	4.07
Mtr.20173.1.S1_at	Nucleoporin interacting component	4.07
Mtr.5913.1.S1_at	LIM domain containing protein	4.07
Mtr.51323.1.S1_s_at	Hypothetical protein	4.07
Mtr.11749.1.S1_at	Hypothetical protein	4.06
Mtr.44780.1.S1_at	Hypothetical protein	4.06
Mtr.38256.1.S1_s_at	Flavonol synthase	4.06
Mtr.11497.1.S1_at	Hypothetical protein	4.06
Mtr.12826.1.S1_s_at	Hypothetical protein	4.06
Mtr.8633.1.S1_at	Hypothetical protein	4.05
Mtr.30513.1.S1_s_at	Hypothetical protein	4.05
Mtr.12034.1.S1_at	ADP/ATP translocase-like protein	4.05
Mtr.22270.1.S1_s_at	Hypothetical protein	4.05
Mtr.12402.1.S1_s_at	Beta-galactosidase	4.05
Mtr.7638.1.S1_s_at	Endo-1,3-beta-glucanase	4.05
Mtr.39602.1.S1_at	Receptor protein kinase	4.05
Mtr.39985.1.S1_at	Hypothetical protein	4.05
Mtr.1757.1.S1_at	Homeodomain-leucine zipper protein	4.05
Mtr.18366.1.S1_at	Curculin-like (mannose-binding) lectin	4.04
Mtr.37522.1.S1_at	Ribosomal protein L7	4.04
Mtr.31337.1.S1_at	Serine/threonine protein kinase	4.03
Mtr.24777.1.S1_s_at	Hypothetical protein	4.03
Mtr.35926.1.S1_s_at	Hypothetical protein	4.03
Mtr.9613.1.S1_at	TIR-similar-domain-containing protein	4.03
Mtr.7416.1.S1_at	Hypothetical protein	4.03
Mtr.40735.1.S1_at	Hypothetical protein	4.03
Mtr.26549.1.S1_at	Cathepsin B-like cysteine protease	4.03
Mtr.5184.1.S1_at	Pre-mRNA splicing factor ATP-dependent RNA helicase	4.02
Mtr.7760.1.S1_at	Cdc24	4.02
Mtr.42696.1.S1_at	Nam-like protein 8	4.02
Mtr.6191.1.S1_at	Hypothetical protein	4.02
Mtr.19399.1.S1_at	Glutathione S-transferase	4.02
Mtr.13083.1.S1_at	Hypothetical protein	4.02
Mtr.40830.1.S1_at	2-hydroxyphytanoyl-CoA lyase	4.02
Mtr.43073.1.S1_s_at	Poly(A)-binding protein C-terminal interacting protein 6	4.01
Mtr.48130.1.S1_at	Hypothetical protein	4.01
Mtr.41634.1.S1_at	Receptor kinase-like protein	4.01
Mtr.6671.1.S1_at	Hypothetical protein	4.01
Mtr.29273.1.S1_at	Hypothetical protein	4.00
Mtr.50416.1.S1_at	Phosphatidylinositol 3- and 4-kinase	4.00
Mtr.8319.1.S1_at	Class III peroxidase 5	4.00
Mtr.12120.1.S1_at	Hypothetical protein	4.00
Mtr.32104.1.S1_s_at	Respiratory burst oxidase homolog	4.00
Mtr.41920.1.S1_at	Hypothetical protein	4.00
Msa.1168.1.S1_at	Hypothetical protein	3.99
Mtr.16733.1.S1_s_at	Protein kinase	3.99
Mtr.44989.1.S1_at	Nucleosome assembly protein 1-like protein 2	3.99
Mtr.45902.1.S1_at	Hypothetical protein	3.99
Mtr.42911.1.S1_at	RING zinc finger protein	3.99
Mtr.39307.1.S1_at	Hypothetical protein	3.99
Mtr.34450.1.S1_at	Hypothetical protein	3.99
Mtr.51636.1.S1_at	Hypothetical protein	3.99

Mtr.39665.1.S1_at	Hypothetical protein	3.99
Mtr.37685.1.S1_at	Actin-depolymerizing factor 5	3.99
Mtr.13525.1.S1_at	Hypothetical protein	3.99
Mtr.43170.1.S1_at	Glutamate dehydrogenase 1	3.99
Mtr.31335.1.S1_s_at	Alcohol dehydrogenase	3.99
Mtr.40805.1.S1_at	Hypothetical protein	3.98
Mtr.12948.1.S1_at	Dehydration responsive element binding protein	3.98
Mtr.45225.1.S1_at	Ankyrin-like protein	3.98
Mtr.9826.1.S1_at	Hypothetical protein	3.98
Mtr.50554.1.S1_at	Hypothetical protein	3.98
Mtr.50859.1.S1_s_at	Hypothetical protein	3.98
Mtr.40114.1.S1_s_at	Soluble inorganic pyrophosphatase	3.98
Mtr.10781.1.S1_at	Nuclease	3.98
Mtr.32930.1.S1_at	Plasma membrane ATPase 3	3.98
Mtr.38139.1.S1_s_at	Zinc finger protein	3.98
Mtr.45315.1.S1_at	SPF1 protein	3.98
Mtr.37972.1.S1_at	Hypothetical protein	3.97
Mtr.47631.1.S1_s_at	Transposase	3.97
Mtr.37260.1.S1_at	Agenet domain-containing protein	3.97
Mtr.38221.1.S1_at	Hypothetical protein	3.97
Mtr.413.1.S1_at	CLAVATA1 receptor kinase (CLV1)-like protein	3.97
Mtr.51664.1.S1_s_at	Natural resistance-associated macrophage protein	3.97
Mtr.32717.1.S1_at	Hypothetical protein	3.97
Mtr.205.1.S1_at	40S ribosomal protein S12	3.96
Mtr.38928.1.S1_at	Choline transporter	3.96
Mtr.49053.1.S1_at	Esterase/lipase/thioesterase	3.96
Mtr.39999.1.S1_at	Syringolide-induced protein B13-1-9	3.96
Mtr.44627.1.S1_at	Hypothetical protein	3.96
Mtr.32566.1.S1_x_at	DEAD box protein	3.96
Mtr.3600.1.S1_at	Two-component response regulator ARR2	3.96
Mtr.10806.1.S1_at	Hypothetical protein	3.96
Mtr.12240.1.S1_at	Envelope glycoprotein	3.96
Mtr.38171.1.S1_at	Monooxygenase 2	3.95
Mtr.51425.1.S1_at	Protein kinase	3.95
Mtr.41380.1.S1_at	Hypothetical protein	3.95
Mtr.1871.1.S1_at	Hypothetical protein	3.95
Mtr.32666.1.S1_at	Hypothetical protein	3.95
Mtr.44219.1.S1_at	Cytokinin oxidase-like protein	3.95
Mtr.10956.1.S1_at	Hypothetical protein	3.95
Mtr.39788.1.S1_at	P12 I protein	3.95
Mtr.44772.1.S1_at	Elongation factor G	3.94
Mtr.11377.1.S1_at	Glutathione S-transferase GST 7	3.94
Mtr.26949.1.S1_at	Hypothetical protein	3.94
Mtr.8990.1.S1_at	Hypothetical protein	3.93
Mtr.39643.1.S1_at	Hypothetical protein	3.93
Mtr.32783.1.S1_at	Myosin	3.93
Mtr.33585.1.S1_at	Hypothetical protein	3.93
Mtr.12961.1.S1_at	Hypothetical protein	3.93
Mtr.2249.1.S1_at	Hypothetical protein	3.93
Mtr.13237.1.S1_at	Protein integral membrane protein	3.93
Mtr.43732.1.S1_at	Hypothetical protein	3.92
Mtr.2720.1.S1_at	Gyrase A	3.92
Mtr.6315.1.S1_at	GCN4-complementing protein	3.92
Mtr.30749.1.S1_s_at	Hypothetical protein	3.92

Mtr.50704.1.S1_at	Aldehyde dehydrogenase	3.92
Mtr.44157.1.S1_at	C3HC4-type RING zinc finger protein	3.92
Mtr.33563.1.S1_at	Hypothetical protein	3.91
Mtr.27324.1.S1_s_at	Xyloglucan endo-1,4-beta-D-glucanase	3.91
Mtr.30728.1.S1_at	SAR DNA-binding protein	3.91
Mtr.44885.1.S1_at	Hypothetical protein	3.91
Mtr.4569.1.S1_at	Hypothetical protein	3.90
Mtr.37468.1.S1_at	Hypothetical protein	3.90
Mtr.40166.1.S1_s_at	Phenylalanine ammonia-lyase	3.90
Mtr.33274.1.S1_at	Hypothetical protein	3.90
Mtr.42007.1.S1_at	Hypothetical protein	3.90
Mtr.29833.1.S1_s_at	Hypothetical protein	3.90
Mtr.27130.1.S1_s_at	Hypothetical protein	3.90
Mtr.38461.1.S1_at	Calmodulin-like domain protein kinase	3.90
Mtr.9348.1.S1_s_at	Ubiquitin-protein ligase	3.89
Mtr.41339.1.S1_at	Hypothetical protein	3.89
Mtr.26514.1.S1_s_at	F-box protein	3.89
Mtr.42649.1.S1_at	Hypothetical protein	3.89
Mtr.37153.1.S1_at	Light repressible receptor protein kinase	3.89
Mtr.5061.1.S1_at	ABC transporter-like protein	3.89
Mtr.16955.1.S1_at	Ribosomal protein S9	3.89
Mtr.27222.1.S1_at	Hypothetical protein	3.89
Mtr.27738.1.S1_at	ATP-dependent molecular chaperone HSP82	3.88
Mtr.1874.1.S1_at	Potential phospholipid-transporting ATPase 9	3.88
Msa.1037.1.S1_at	Hypothetical protein	3.88
Mtr.8934.1.S1_at	Alternative oxidase 3	3.88
Mtr.31852.1.S1_s_at	GATA-binding transcription factor	3.88
Mtr.39487.1.S1_s_at	Lipoxygenase	3.88
Mtr.33544.1.S1_at	Beta-galactosidase	3.88
Mtr.39950.1.S1_at	Hypothetical protein	3.88
Mtr.40801.1.S1_at	Hypothetical protein	3.88
Mtr.7429.1.S1_s_at	Hypothetical protein	3.88
Mtr.34946.1.S1_at	Hypothetical protein	3.87
Mtr.9141.1.S1_at	Hypothetical protein	3.87
Mtr.4233.1.S1_at	Hypothetical protein	3.87
Mtr.24351.1.S1_s_at	Hypothetical protein	3.87
Mtr.14442.1.S1_at	Hypothetical protein	3.87
Mtr.44992.1.S1_s_at	Serine/threonine protein kinase	3.87
Mtr.37020.1.S1_at	NADH-ubiquinone oxidoreductase subunit 8	3.86
Mtr.43657.1.S1_at	Hypothetical protein	3.86
Mtr.29988.1.S1_at	ABC transporter	3.86
Mtr.8468.1.S1_at	Cysteine synthase	3.86
Mtr.38837.1.S1_s_at	Hypothetical protein	3.86
Mtr.38935.1.S1_at	Myo-inositol transporter 1	3.86
Mtr.13559.1.S1_s_at	LOB domain protein 38	3.86
Mtr.2124.1.S1_s_at	Hypothetical protein	3.85
Mtr.20985.1.S1_at	acyl-CoA oxidase	3.85
Mtr.32298.1.S1_at	QbsK	3.85
Mtr.24374.1.S1_at	Fiber protein Fb2	3.85
Msa.3087.1.S1_at	Hypothetical protein	3.85
Mtr.12430.1.S1_s_at	Mature anther-specific protein	3.85
Mtr.43353.1.S1_at	Hypothetical protein	3.85
Mtr.12636.1.S1_at	Fructokinase	3.85
Mtr.46843.1.S1_at	F-box protein	3.84

Mtr.25309.1.S1_at	Hypothetical protein	3.84
Mtr.5571.1.S1_s_at	Hypothetical protein	3.84
Mtr.2503.1.S1_s_at	NEP1-interacting protein	3.84
Mtr.41096.1.S1_at	Tubby-like protein	3.84
Mtr.44922.1.S1_at	Glycine-rich protein 2	3.84
Mtr.14517.1.S1_at	RNA-binding region RNP-1	3.84
Mtr.44365.1.S1_s_at	Adenine-specific DNA modification methyltransferase	3.84
Mtr.10588.1.S1_at	Hypothetical protein	3.84
Mtr.42452.1.S1_at	Hypothetical protein	3.84
Mtr.7575.1.S1_at	Hypothetical protein	3.84
Mtr.12168.1.S1_at	Diamine oxidase (Copper amino oxidase)	3.83
Mtr.4050.1.S1_at	Hypothetical protein	3.83
Mtr.52112.1.S1_s_at	RNA-binding region RNP-1	3.83
Mtr.39422.1.S1_s_at	Hypothetical protein	3.83
Mtr.18340.1.S1_at	Hypothetical protein	3.83
Mtr.31877.1.S1_at	P-glycoprotein	3.83
Mtr.10621.1.S1_at	Hypothetical protein	3.82
Msa.1041.1.S1_at	Hypothetical protein	3.82
Mtr.13453.1.S1_at	Hypothetical protein	3.82
Mtr.37222.1.S1_at	Hypothetical protein	3.82
Mtr.35818.1.S1_at	Hypothetical protein	3.82
Mtr.8994.1.S1_s_at	Hypothetical protein	3.82
Mtr.11606.1.S1_at	Hypothetical protein	3.81
Mtr.41411.1.S1_at	Hypothetical protein	3.81
Mtr.9913.1.S1_at	Hypothetical protein	3.81
Mtr.11493.1.S1_at	Hypothetical protein	3.81
Mtr.40100.1.S1_at	Soluble inorganic pyrophosphatase	3.81
Mtr.41152.1.S1_at	Hypothetical protein	3.80
Mtr.11252.1.S1_s_at	Receptor kinase-like protein	3.80
Mtr.27102.1.S1_at	Hypothetical protein	3.80
Mtr.22662.1.S1_at	NADP-dependent malic enzyme	3.80
Mtr.9290.1.S1_at	Hypothetical protein	3.80
Mtr.13010.1.S1_at	Xyloglucan endotransglucosylase/hydrolase protein 22	3.80
Mtr.13696.1.S1_at	Hypothetical protein	3.79
Mtr.9028.1.S1_at	Hypothetical protein	3.79
Mtr.9177.1.S1_at	Hypothetical protein	3.79
Mtr.3871.1.S1_at	CCAAT-box-binding transcription factor	3.79
Mtr.9272.1.S1_at	Hypothetical protein	3.79
Mtr.8592.1.S1_at	Hypothetical protein	3.79
Mtr.38966.1.S1_at	Ser/Thr protein kinase	3.79
Mtr.39812.1.S1_s_at	Respiratory burst oxidase homolog	3.79
Mtr.33788.1.S1_at	Hypothetical protein	3.78
Mtr.39578.1.S1_at	A-agglutinin attachment subunit precursor	3.78
Mtr.42029.1.S1_s_at	Metallo-beta-lactamase	3.78
Mtr.38970.1.S1_at	Hypothetical protein	3.78
Mtr.10037.1.S1_at	GDSL-motif lipase/hydrolase-like protein	3.78
Mtr.22904.1.S1_s_at	Aux/IAA protein	3.78
Mtr.34203.1.S1_at	UDP-glucuronosyltransferase	3.77
Mtr.43237.1.S1_at	TFIIIE-beta 2	3.77
Mtr.37374.1.S1_at	Patatin-like protein	3.77
Mtr.44688.1.S1_at	Hypothetical protein	3.77
Mtr.52010.1.S1_at	Myb, DNA-binding	3.77
Mtr.51695.1.S1_at	Hypothetical protein	3.77
Mtr.13329.1.S1_at	Hypothetical protein	3.77

Mtr.33699.1.S1_x_at	Trehalose-7-phosphate synthase	3.77
Mtr.45244.1.S1_at	Hypothetical protein	3.77
Msa.2711.1.S1_at	Hypothetical protein	3.77
Mtr.46485.1.S1_at	Glutathione S-transferase GST 17	3.77
Mtr.11018.1.S1_s_at	Hypothetical protein	3.76
Mtr.17513.1.S1_s_at	bZIP transcription factor	3.76
Mtr.50280.1.S1_at	Protein kinase	3.76
Mtr.41853.1.S1_at	Zinc finger, C3HC4 type (RING finger)	3.76
Mtr.37655.1.S1_at	Nucleolar histone deacetylase	3.76
Msa.1013.1.S1_at	Hypothetical protein	3.75
Mtr.3073.1.S1_s_at	Type IIA calcium ATPase	3.75
Mtr.13695.1.S1_at	Hypothetical protein	3.75
Mtr.11240.1.S1_at	DR2R protein	3.75
Mtr.43466.1.S1_at	Ethylene receptor	3.75
Mtr.50858.1.S1_s_at	Hypothetical protein	3.74
Mtr.10672.1.S1_s_at	Polyphosphoinositide binding protein	3.74
Mtr.31538.1.S1_at	Nam-like protein	3.74
Mtr.2864.1.S1_at	Hypothetical protein	3.74
Mtr.18298.1.S1_at	Serine/threonine protein kinase	3.74
Mtr.21266.1.S1_at	Hypothetical protein	3.74
Mtr.2158.1.S1_at	Hypothetical protein	3.74
Mtr.32889.1.S1_at	Hypothetical protein	3.74
Mtr.37560.1.S1_at	Pyruvate decarboxylase	3.74
Mtr.44718.1.S1_at	Hypothetical protein	3.73
Msa.884.1.S1_at	Hypothetical protein	3.73
Mtr.6540.1.S1_at	Lipoxygenase	3.73
Mtr.24211.1.S1_at	Hypothetical protein	3.73
Mtr.42547.1.S1_s_at	Respiratory burst oxidase homolog	3.72
Mtr.2617.1.S1_at	Hypothetical protein	3.72
Mtr.10529.1.S1_at	ARF GAP-like zinc finger-containing protein	3.72
Mtr.8642.1.S1_at	Serine palmitoyltransferase	3.72
Mtr.41656.1.S1_at	Hypothetical protein	3.72
Mtr.38654.1.S1_at	Hypothetical protein	3.72
Mtr.27949.1.S1_at	Internalin-related protein	3.72
Mtr.17721.1.S1_s_at	Esterase/lipase/thioesterase	3.72
Mtr.46896.1.S1_s_at	Calcium-dependent protein kinase CPK1 adapter protein 2	3.72
Mtr.29231.1.S1_at	Alpha-expansin	3.72
Mtr.43169.1.S1_at	Hypothetical protein	3.72
Mtr.40685.1.S1_at	Hypothetical protein	3.72
Mtr.43116.1.S1_at	RAV2 protein	3.72
Mtr.17714.1.S1_at	Protein prenyltransferase	3.72
Mtr.12238.1.S1_at	Nam-like protein	3.71
Mtr.2238.1.S1_s_at	Repetitive proline-rich cell wall protein	3.71
Mtr.50954.1.S1_s_at	Hypothetical protein	3.71
Mtr.52341.1.S1_at	Cyclin-like F-box protein	3.71
Mtr.41245.1.S1_at	Chorismate mutase CM2	3.71
Mtr.44335.1.S1_at	Glucosidase SCW10	3.71
Mtr.13183.1.S1_at	Hypothetical protein	3.71
Mtr.45199.1.S1_at	Hypothetical protein	3.71
Mtr.11232.1.S1_at	Serine/threonine specific protein kinase	3.70
Mtr.41051.1.S1_at	Hypothetical protein	3.70
Mtr.20124.1.S1_at	Serine/threonine protein kinase	3.70
Mtr.13005.1.S1_at	Phytochrome A specific signal transduction component PAT3	3.70
Mtr.8632.1.S1_s_at	Hypothetical protein	3.70

Mtr.13155.1.S1_at	Hypothetical protein	3.69
Mtr.19727.1.S1_at	Hypothetical protein	3.69
Mtr.9074.1.S1_at	Hypothetical protein	3.69
Mtr.41494.1.S1_at	Hypothetical protein	3.69
Mtr.43604.1.S1_s_at	Hypothetical protein	3.69
Mtr.12004.1.S1_at	Hypothetical protein	3.69
Mtr.41349.1.S1_s_at	Hydrolase, alpha/beta fold family protein	3.69
Mtr.3000.1.S1_s_at	DEAD-Box RNA helicase	3.69
Mtr.42544.1.S1_at	Nodulin-like protein	3.69
Mtr.45383.1.S1_at	Hypothetical protein	3.69
Mtr.43493.1.S1_at	Hypothetical protein	3.68
Mtr.34629.1.S1_at	Protein transport protein	3.68
Mtr.34149.1.S1_at	Hypothetical protein	3.68
Mtr.43487.1.S1_at	Hypothetical protein	3.68
Mtr.24373.1.S1_at	Fiber protein Fb2	3.68
Mtr.14781.1.S1_at	Hypothetical protein	3.68
Mtr.13058.1.S1_at	Hypothetical protein	3.68
Mtr.14663.1.S1_at	Major intrinsic protein	3.67
Mtr.9680.1.S1_at	Zinc finger protein	3.67
Mtr.50378.1.S1_s_at	AAA ATPas	3.67
Mtr.8479.1.S1_at	Cytochrome P450	3.67
Mtr.51785.1.S1_at	Hypothetical protein	3.67
Mtr.9478.1.S1_at	Laccase-like protein	3.66
Mtr.37418.1.S1_s_at	NuM1 protein	3.66
Mtr.9348.1.S1_at	Ubiquitin-protein ligase	3.66
Mtr.27778.1.S1_at	Serine/threonine protein kinase	3.66
Mtr.13338.1.S1_at	Hypothetical protein	3.66
Mtr.33754.1.S1_at	Hypothetical protein	3.66
Mtr.6498.1.S1_at	Hypothetical protein	3.66
Mtr.33907.1.S1_at	Hypothetical protein	3.66
Mtr.28680.1.S1_at	Hypothetical protein	3.65
Mtr.20079.1.S1_at	Lipoxygenase	3.65
Mtr.9043.1.S1_at	LS1-like protein	3.65
Mtr.36255.1.S1_at	Aquaporin-like transmembrane channel protein	3.65
Mtr.39204.1.S1_at	Hypothetical protein	3.65
Mtr.10636.1.S1_at	MYB protein	3.65
Mtr.12226.1.S1_at	Hypothetical protein	3.65
Mtr.12750.1.S1_at	Hypothetical protein	3.65
Mtr.2386.1.S1_at	Hypothetical protein	3.65
Mtr.19793.1.S1_at	Hypothetical protein	3.65
Mtr.6526.1.S1_at	Hypothetical protein	3.65
Mtr.39287.1.S1_at	SGP1 monomeric G-protein	3.65
Mtr.23284.1.S1_at	Calcium-binding EF-hand family protein	3.64
Msa.1303.1.S1_at	Hypothetical protein	3.64
Mtr.13714.1.S1_at	Auxin-induced protein 22D	3.64
Mtr.791.1.S1_at	Acyl-activating enzyme 18	3.64
Mtr.31446.1.S1_at	Hypothetical protein	3.64
Mtr.47761.1.S1_at	Hypothetical protein	3.64
Mtr.6934.1.S1_at	Glutaredoxin-related-like protein	3.63
Mtr.37300.1.S1_at	Cytochrome P450	3.63
Mtr.48357.1.S1_at	Trypsin protein inhibitor 2	3.63
Mtr.7578.1.S1_at	Hypothetical protein	3.63
Mtr.2889.1.S1_at	Hypothetical protein	3.63
Mtr.24715.1.S1_at	Glutathione S-transferase GST 14	3.63



Mtr.38725.1.S1_s_at	CDPK adapter protein 1	3.63
Mtr.11290.1.S1_at	Hypothetical protein	3.62
Mtr.34834.1.S1_at	Serine/threonine protein kinase	3.62
Mtr.24319.1.S1_at	Hypothetical protein	3.62
Mtr.6545.1.S1_x_at	Hypothetical protein	3.62
Mtr.37417.1.S1_s_at	NuM1 protein	3.62
Mtr.41563.1.S1_at	Ring finger E3 ligase	3.62
Mtr.11369.1.S1_at	Hypothetical protein	3.62
Mtr.37278.1.S1_at	Cysteine synthase	3.62
Mtr.4899.1.S1_at	Hypothetical protein	3.62
Mtr.45415.1.S1_a_at	Deetiolated 1-like protein	3.62
Mtr.10747.1.S1_at	Adenosine monophosphate binding protein	3.61
Mtr.23686.1.S1_at	DNA-directed RNA polymerase	3.61
Mtr.38306.1.S1_at	Choline transporter-like protein	3.61
Mtr.51256.1.S1_at	Transferase	3.61
Mtr.23653.1.S1_at	Hypothetical protein	3.61
Mtr.14656.1.S1_at	Hypothetical protein	3.61
Mtr.21943.1.S1_s_at	CYP83D1p	3.61
Mtr.4402.1.S1_at	Hypothetical protein	3.61
Mtr.36943.1.S1_at	Hypothetical protein	3.61
Mtr.16854.1.S1_at	Protein kinase	3.61
Mtr.43954.1.S1_at	Hypothetical protein	3.61
Mtr.43258.1.S1_s_at	Hypothetical protein	3.60
Mtr.37645.1.S1_at	Hypothetical protein	3.60
Mtr.10728.1.S1_at	Hypothetical protein	3.60
Mtr.43192.1.S1_at	Mature anther-specific protein LAT61	3.60
Mtr.28411.1.S1_s_at	Hypothetical protein	3.60
Mtr.12531.1.S1_s_at	Hypothetical protein	3.60
Mtr.27354.1.S1_s_at	RPM1-interacting protein 4	3.60
Mtr.10700.1.S1_at	KCBP interacting Ca <sup>2+</sup> -binding protein	3.60
Mtr.38128.1.S1_s_at	Aldehyde dehydrogenase	3.60
Mtr.37422.1.S1_at	Hypothetical protein	3.59
Mtr.41435.1.S1_s_at	Hypothetical protein	3.59
Mtr.37508.1.S1_at	4- Hydroxyphenylpyruvate Dioxygenases	3.59
Mtr.50583.1.S1_at	Glycoside hydrolase	3.59
Mtr.42149.1.S1_at	Hypothetical protein	3.59
Mtr.25204.1.S1_s_at	Calmodulin-binding protein	3.59
Mtr.15543.1.S1_at	Peptidylprolyl isomerase, FKBP-type	3.58
Mtr.5620.1.S1_at	Membrane cofactor protein	3.58
Mtr.33373.1.S1_at	Hypothetical protein	3.58
Mtr.42860.1.S1_at	Ferredoxin III	3.58
Mtr.44291.1.S1_at	Hypothetical protein	3.58
Mtr.51366.1.S1_s_at	RNA-binding region RNP-1	3.58
Mtr.40888.1.S1_at	E3 ubiquitin ligase	3.58
Mtr.31724.1.S1_at	Hypothetical protein	3.58
Mtr.6886.1.S1_at	Hypothetical protein	3.58
Mtr.37900.1.S1_at	Pantothenate kinase 1	3.58
Mtr.12154.1.S1_at	Hypothetical protein	3.58
Mtr.10320.1.S1_at	Uricase	3.57
Mtr.26364.1.S1_at	Hypothetical protein	3.57
Mtr.17461.1.S1_at	Hypothetical protein	3.56
Msa.1667.1.S1_at	Hypothetical protein	3.56
Mtr.39837.1.S1_at	Hypothetical protein	3.56
Mtr.16850.1.S1_at	Curculin-like (mannose-binding) lectin	3.56

Mtr.11604.1.S1_s_at	Hypothetical protein	3.56
Mtr.16393.1.S1_at	Hypothetical protein	3.56
Mtr.38482.1.S1_at	Hypothetical protein	3.56
Mtr.13244.1.S1_at	Hypothetical protein	3.56
Mtr.4546.1.S1_s_at	E3 ubiquitin ligase	3.56
Mtr.44290.1.S1_at	Hypothetical protein	3.56
Mtr.36788.1.S1_at	Hypothetical protein	3.56
Msa.1673.1.S1_at	Hypothetical protein	3.56
Mtr.15716.1.S1_at	WD40-like protein	3.56
Mtr.5457.1.S1_at	Transducin-like protein	3.55
Mtr.19469.1.S1_at	Hypothetical protein	3.55
Mtr.42760.1.S1_at	Hypothetical protein	3.55
Mtr.27895.1.S1_at	Ser/Thr protein phosphatase 2C	3.55
Mtr.24817.1.S1_at	Fructan 1-exohydrolase	3.55
Mtr.35606.1.S1_at	Hypothetical protein	3.55
Mtr.38799.1.S1_s_at	Cytokinin oxidase	3.55
Mtr.15257.1.S1_s_at	Hypothetical protein	3.55
Mtr.42336.1.S1_at	WRKY transcription factor 48	3.55
Mtr.31731.1.S1_at	Eukaryotic initiation factor	3.55
Mtr.31446.1.S1_x_at	Hypothetical protein	3.54
Mtr.41041.1.S1_at	Notchless protein homolog	3.54
Mtr.43547.1.S1_at	Hypothetical protein	3.54
Mtr.21943.1.S1_x_at	CYP83D1p	3.54
Mtr.13414.1.S1_at	ABC-type transporter	3.54
Mtr.10424.1.S1_at	Ethylene responsive element binding factor	3.54
Mtr.15744.1.S1_at	Hypothetical protein	3.54
Mtr.34197.1.S1_at	Hypothetical protein	3.54
Mtr.36809.1.S1_at	Hypothetical protein	3.53
Msa.1038.1.S1_at	Hypothetical protein	3.53
Mtr.428.1.S1_at	Leucine rich repeat protein	3.53
Mtr.32968.1.S1_at	Mitochondrial solute carrier protein	3.52
Mtr.43953.1.S1_s_at	Hypothetical protein	3.52
Mtr.5572.1.S1_s_at	CREB-like protein	3.52
Mtr.19044.1.S1_at	Hypothetical protein	3.52
Mtr.44176.1.S1_at	Squalene monooxygenase 1	3.52
Mtr.2676.1.S1_at	Hypothetical protein	3.52
Mtr.37901.1.S1_at	Hypothetical protein	3.52
Mtr.51291.1.S1_at	Pathogenesis-related transcriptional factor and ERF	3.52
Mtr.10425.1.S1_at	Ethylene responsive element binding factor	3.51
Mtr.17506.1.S1_at	ATPase, E1-E2	3.51
Mtr.33247.1.S1_at	Hypothetical protein	3.51
Msa.1220.1.S1_at	Hypothetical protein	3.51
Mtr.13077.1.S1_at	Hypothetical protein	3.51
Mtr.8704.1.S1_at	Hypothetical protein	3.51
Mtr.3225.1.S1_at	Hypothetical protein	3.50
Mtr.35440.1.S1_at	Hypothetical protein	3.50
Mtr.2486.1.S1_at	Hypothetical protein	3.50
Mtr.33034.1.S1_at	Chromobox protein	3.50
Mtr.10360.1.S1_s_at	ER6 protein	3.50
Mtr.33389.1.S1_at	Hypothetical protein	3.50
Mtr.4041.1.S1_at	Nucleic acid binding protein	3.50
Mtr.12973.1.S1_at	Prohibitin 1-like protein	3.50
Mtr.21812.1.S1_at	Hypothetical protein	3.49
Mtr.44464.1.S1_at	Elongation factor G	3.49

Mtr.13657.1.S1_at	Hypothetical protein	3.49
Mtr.2537.1.S1_a_at	Heterogeneous nuclear ribonucleoprotein	3.49
Mtr.32940.1.S1_at	N-hydroxycinnamoyl/benzoyltransferase	3.49
Mtr.12047.1.S1_at	Hypothetical protein	3.49
Mtr.44333.1.S1_s_at	Hypothetical protein	3.49
Mtr.13103.1.S1_at	Hypothetical protein	3.49
Mtr.48306.1.S1_at	Hypothetical protein	3.49
Mtr.5955.1.S1_at	Hypothetical protein	3.49
Mtr.33536.1.S1_at	Sugar transporter-like protein	3.49
Mtr.45548.1.S1_at	Hypothetical protein	3.49
Mtr.9872.1.S1_at	Hypothetical protein	3.49
Mtr.37899.1.S1_at	Hypothetical protein	3.49
Mtr.34150.1.S1_at	Hypothetical protein	3.48
Mtr.39206.1.S1_at	Hypothetical protein	3.48
Mtr.29990.1.S1_at	MYB-related protein	3.48
Mtr.17531.1.S1_at	Hypothetical protein	3.48
Msa.690.1.S1_at	Hypothetical protein	3.48
Mtr.49199.1.S1_at	Hypothetical protein	3.48
Mtr.11804.1.S1_s_at	Hypothetical protein	3.48
Mtr.8797.1.S1_at	60S ribosomal protein L34	3.48
Mtr.44619.1.S1_at	Hypothetical protein	3.48
Mtr.33204.1.S1_at	Hypothetical protein	3.48
Mtr.39641.1.S1_at	Protein kinase	3.48
Mtr.35791.1.S1_s_at	Light-induced protein	3.48
Mtr.7449.1.S1_at	GDSL-motif lipase/hydrolase-like protein	3.47
Mtr.394.1.S1_s_at	Pre-mRNA splicing factor SF2	3.47
Msa.432.1.S1_at	Hypothetical protein	3.47
Mtr.34926.1.S1_s_at	Hypothetical protein	3.47
Mtr.51725.1.S1_at	Hypothetical protein	3.47
Mtr.37513.1.S1_at	RelA-SpoT like protein	3.47
Mtr.48411.1.S1_s_at	Beta-galactosidase	3.47
Mtr.9399.1.S1_at	CDPK-related protein kinase	3.47
Mtr.39404.1.S1_at	Hypothetical protein	3.47
Msa.1723.1.S1_at	Hypothetical protein	3.46
Mtr.39464.1.S1_s_at	Hypothetical protein	3.46
Mtr.40132.1.S1_at	Peroxidase IA	3.46
Mtr.50087.1.S1_at	Hypothetical protein	3.46
Mtr.34957.1.S1_at	Beta-glucosidase	3.46
Mtr.13078.1.S1_s_at	Hypothetical protein	3.46
Mtr.46539.1.S1_at	bZIP DNA-binding protein	3.45
Mtr.4600.1.S1_at	Guanylyl cyclase alpha	3.45
Mtr.9552.1.S1_at	Protein kinase	3.45
Mtr.41653.1.S1_at	Mitochondrial phosphate translocator	3.45
Msa.3090.1.S1_at	Hypothetical protein	3.45
Mtr.21812.1.S1_s_at	Hypothetical protein	3.45
Mtr.24633.1.S1_at	Hypothetical protein	3.45
Mtr.41934.1.S1_at	Pupal cuticle protein	3.45
Mtr.44172.1.S1_at	Hypothetical protein	3.45
Mtr.28723.1.S1_at	Hypothetical protein	3.45
Mtr.47542.1.S1_at	Hydrolase, alpha/beta fold family	3.45
Msa.2283.1.S1_at	Hypothetical protein	3.44
Mtr.12417.1.S1_s_at	Hypothetical protein	3.44
Mtr.5557.1.S1_at	Hypothetical protein	3.44
Mtr.44735.1.S1_at	Hypothetical protein	3.44

Mtr.39304.1.S1_at	Hypothetical protein	3.44
Mtr.8782.1.S1_at	Hypothetical protein	3.44
Mtr.44964.1.S1_at	Hypothetical protein	3.44
Mtr.18004.1.S1_at	Cwf15/Cwc15 cell cycle control protein	3.44
Mtr.37413.1.S1_s_at	Chalcone-flavonone isomerase	3.44
Mtr.40096.1.S1_at	ER6 protein	3.44
Mtr.40417.1.S1_at	Hypothetical protein	3.43
Mtr.7249.1.S1_at	N-hydroxycinnamoyl/benzoyltransferase-like protein	3.43
Mtr.6589.1.S1_at	Mitochondrial solute carrier protein	3.43
Mtr.1853.1.S1_at	Hypothetical protein	3.43
Mtr.41180.1.S1_at	Hypothetical protein	3.43
Mtr.32998.1.S1_s_at	MtN3	3.43
Mtr.5996.1.S1_at	Hypothetical protein	3.43
Mtr.7647.1.S1_at	EF-1-alpha-related GTP-binding protein	3.43
Mtr.8957.1.S1_at	Hypothetical protein	3.43
Mtr.5069.1.S1_at	MYB transcription factor	3.42
Mtr.48412.1.S1_s_at	Beta-galactosidase	3.42
Mtr.12415.1.S1_at	Hypothetical protein	3.42
Mtr.27828.1.S1_at	Phospholipase D delta isoform 1a	3.42
Msa.591.1.S1_at	Hypothetical protein	3.42
Mtr.29585.1.S1_at	Hypothetical protein	3.42
Mtr.6936.1.S1_at	Mitogen-activated protein kinase 7	3.42
Mtr.18691.1.S1_s_at	Hypothetical protein	3.42
Mtr.1533.1.S1_at	Hypothetical protein	3.41
Mtr.9940.1.S1_at	Hypothetical protein	3.41
Mtr.11250.1.S1_at	Disease resistance protein	3.41
Mtr.691.1.S1_at	Hypothetical protein	3.41
Mtr.51701.1.S1_s_at	Cyclin-like F-box protein	3.41
Mtr.10508.1.S1_at	Mitosis inhibitor protein kinase weel	3.41
Mtr.35305.1.S1_at	Hypothetical protein	3.40
Mtr.40185.1.S1_at	FtsH-like protein	3.40
Mtr.43451.1.S1_at	Adenosine monophosphate binding protein 7	3.40
Mtr.4322.1.S1_at	Cytochrome oxidase subunit III	3.40
Mtr.37960.1.S1_at	PRL1-associated protein	3.40
Mtr.33159.1.S1_at	Hypothetical protein	3.40
Mtr.38936.1.S1_at	Acyl-CoA oxidase	3.40
Mtr.5527.1.S1_at	PHD zinc finger protein	3.39
Mtr.37580.1.S1_at	Brix domain containing protein 1	3.39
Mtr.43936.1.S1_at	Ser/Thr protein kinase	3.39
Mtr.40054.1.S1_at	J8-like protein	3.39
Mtr.41945.1.S1_at	Hypothetical protein	3.39
Mtr.49019.1.S1_at	Glycoside hydrolase	3.39
Msa.277.1.S1_at	Hypothetical protein	3.39
Msa.3160.1.S1_at	Hypothetical protein	3.38
Mtr.2361.1.S1_s_at	MAP kinase activating protein	3.38
Mtr.31259.1.S1_s_at	Plasma membrane intrinsic polypeptide	3.38
Mtr.6345.1.S1_at	DnaJ-like protein	3.38
Mtr.43957.1.S1_s_at	Peroxisomal copper-containing amine oxidase	3.38
Mtr.39253.1.S1_at	Hypothetical protein	3.38
Mtr.41678.1.S1_at	Hypothetical protein	3.38
Mtr.5174.1.S1_at	Hypothetical protein	3.38
Mtr.40474.1.S1_at	Ribosomal protein 30S	3.38
Mtr.38510.1.S1_at	Hypothetical protein	3.38
Mtr.41732.1.S1_at	Hypothetical protein	3.38

Mtr.5164.1.S1_at	Hypothetical protein	3.37
Mtr.37502.1.S1_at	Dermal glycoprotein	3.37
Mtr.15028.1.S1_at	Transketolase	3.37
Mtr.39546.1.S1_at	Hypothetical protein	3.37
Mtr.48875.1.S1_s_at	Hypothetical protein	3.37
Mtr.39626.1.S1_at	MAP kinase activating protein	3.36
Mtr.12264.1.S1_s_at	Cytochrome P450 monooxygenase	3.36
Mtr.42399.1.S1_at	Type IIA calcium ATPase	3.36
Mtr.39049.1.S1_at	WD40-repeat protein	3.36
Mtr.37798.1.S1_at	Hypothetical protein	3.36
Msa.1774.1.S1_at	Hypothetical protein	3.36
Mtr.39873.1.S1_s_at	Myb-like protein	3.36
Mtr.49932.1.S1_at	Ankyrin	3.36
Mtr.45488.1.S1_at	Calmodulin-binding protein	3.36
Mtr.12917.1.S1_at	Jasmonic acid 2	3.36
Mtr.7126.1.S1_s_at	Bat3 protein	3.35
Mtr.49671.1.S1_at	Hypothetical protein	3.35
Mtr.8978.1.S1_at	Hypothetical protein	3.35
Mtr.42930.1.S1_at	Hypothetical protein	3.35
Mtr.12906.1.S1_at	Glutamate decarboxylase 4a	3.35
Mtr.34601.1.S1_s_at	SOS2-like protein kinase	3.35
Mtr.38607.1.S1_at	Hypothetical protein	3.35
Mtr.6016.1.S1_at	Hypothetical protein	3.35
Mtr.781.1.S1_at	SKP1 interacting partner 1	3.35
Mtr.9656.1.S1_at	Response regulator protein	3.35
Mtr.9221.1.S1_at	Salicylic acid glucosyltransferase	3.35
Mtr.28490.1.S1_at	Hypothetical protein	3.35
Mtr.5072.1.S1_s_at	Hypothetical protein	3.35
Mtr.13558.1.S1_at	Beta-galactosidase	3.34
Mtr.2544.1.S1_s_at	Hypothetical protein	3.34
Mtr.38691.1.S1_s_at	Hypothetical protein	3.34
Mtr.44967.1.S1_at	Hypothetical protein	3.34
Mtr.11984.1.S1_s_at	Hypothetical protein	3.33
Mtr.37833.1.S1_at	Hypothetical protein	3.33
Mtr.27313.1.S1_at	Receptor kinase-like protein	3.33
Mtr.16505.1.S1_at	Aldehyde dehydrogenase	3.33
Mtr.50478.1.S1_at	Phenylalanine/histidine ammonia-lyase	3.33
Mtr.3533.1.S1_at	Hypothetical protein	3.33
Mtr.31759.1.S1_at	Homeobox-leucine zipper protein	3.33
Mtr.11772.1.S1_at	Beta-galactosidase	3.33
Mtr.52065.1.S1_at	WD-40 repeat protein	3.33
Mtr.44059.1.S1_at	SAR DNA-binding protein-1	3.32
Mtr.40101.1.S1_s_at	40S ribosomal protein S6	3.32
Mtr.14280.1.S1_at	Thioredoxin-related protein	3.32
Mtr.5567.1.S1_at	Hypothetical protein	3.32
Mtr.35717.1.S1_at	Sugar transporter	3.32
Mtr.9201.1.S1_at	Salt-induced AAA-Type ATPase	3.32
Mtr.14428.1.S1_at	Naringenin-chalcone synthase	3.32
Mtr.377.1.S1_s_at	Hypothetical protein	3.32
Mtr.2859.1.S1_at	Disease resistance protein	3.32
Mtr.12614.1.S1_at	Resistance protein MG23	3.32
Mtr.43924.1.S1_at	Glutaredoxin-related protein	3.32
Mtr.386.1.S1_at	D-xylose proton-symporter	3.32
Mtr.41654.1.S1_at	Single-strand DNA binding protein	3.32

Mtr.4790.1.S1_at	Hypothetical protein	3.32
Mtr.15172.1.S1_at	Leucine-rich repeat protein	3.31
Mtr.40406.1.S1_at	Hypothetical protein	3.31
Mtr.28378.1.S1_at	Hypothetical protein	3.31
Mtr.38381.1.S1_at	Hypothetical protein	3.31
Mtr.12085.1.S1_at	Serine/threonine-protein kinase-like protein, partial (23%)	3.31
Mtr.32685.1.S1_at	Hypothetical protein	3.31
Mtr.39867.1.S1_at	Hypothetical protein	3.31
Mtr.14111.1.S1_at	Plant lipid transfer/seed storage/trypsin-alpha amylase inhibitor	3.31
Mtr.8962.1.S1_at	Hypothetical protein	3.31
Mtr.2811.1.S1_at	Hypothetical protein	3.31
Mtr.45462.1.S1_at	Monosaccharide transporter	3.30
Mtr.41518.1.S1_at	Hypothetical protein	3.30
Mtr.39656.1.S1_s_at	Hypothetical protein	3.30
Mtr.36256.1.S1_at	Hypothetical protein	3.30
Mtr.33189.1.S1_s_at	AML1	3.30
Mtr.45278.1.S1_s_at	Hypothetical protein	3.30
Mtr.52180.1.S1_at	Zn-finger, C2H2 type	3.30
Mtr.16016.1.S1_at	Hypothetical protein	3.30
Mtr.28463.1.S1_at	Myosin-like protein	3.29
Mtr.12698.1.S1_at	Hypothetical protein	3.29
Mtr.11251.1.S1_at	Protein integral membrane protein	3.29
Mtr.43601.1.S1_at	50S ribosomal protein L3-2	3.29
Mtr.43669.1.S1_at	Dolichyl-phosphate beta-glucosyltransferase	3.29
Mtr.44404.1.S1_s_at	Hypothetical protein	3.29
Mtr.4897.1.S1_at	Hypothetical protein	3.29
Msa.2526.1.S1_s_at	Hypothetical protein	3.29
Mtr.44920.1.S1_at	FtsH protease (VAR2)	3.29
Mtr.13765.1.S1_at	Sphingosine-1-phosphate lyase	3.29
Msa.3057.1.S1_s_at	Hypothetical protein	3.28
Mtr.40053.1.S1_at	Serine/threonine protein kinase	3.28
Mtr.44647.1.S1_at	DNA/RNA binding protein	3.28
Mtr.10634.1.S1_at	MONOSACCHARIDE cotransporter	3.28
Mtr.32004.1.S1_at	Pelota-like protein	3.28
Mtr.35786.1.S1_at	Hypothetical protein	3.28
Msa.3020.1.S1_at	Hypothetical protein	3.28
Mtr.11064.1.S1_at	DNA-directed RNA polymerase	3.28
Mtr.13840.1.S1_at	MYB transcription factor	3.28
Mtr.5738.1.S1_s_at	Hypothetical protein	3.28
Mtr.50347.1.S1_at	ATP-dependent helicase	3.28
Mtr.31406.1.S1_x_at	Isoflavonoid glucosyltransferase	3.27
Mtr.43217.1.S1_at	Hypothetical protein	3.27
Mtr.7377.1.S1_at	Germin-like protein	3.27
Mtr.43084.1.S1_at	Hypothetical protein	3.27
Mtr.6988.1.S1_at	Hypothetical protein	3.27
Mtr.25306.1.S1_at	Prolyl 4-hydroxylase	3.27
Mtr.12901.1.S1_at	Hypothetical protein	3.27
Msa.3111.1.S1_x_at	Hypothetical protein	3.27
Mtr.42711.1.S1_at	Scarecrow-like 1 protein	3.27
Mtr.10618.1.S1_x_at	Hypothetical protein	3.27
Mtr.10594.1.S1_at	Xyloglucan endo-1,4-beta-D-glucanase	3.27
Msa.1937.1.S1_at	Hypothetical protein	3.27
Mtr.17499.1.S1_at	tRNA intron endonuclease	3.27
Mtr.39534.1.S1_at	Hypothetical protein	3.27

Mtr.17501.1.S1_at	Pectin lyase	3.27
Mtr.42712.1.S1_at	Mitochondrial carrier-like protein	3.27
Mtr.35896.1.S1_at	Chitinase	3.26
Mtr.3520.1.S1_s_at	Exo-beta-glucanase	3.26
Mtr.12152.1.S1_at	Protein phosphatase 2C	3.26
Msa.1472.1.S1_at	Hypothetical protein	3.26
Mtr.44947.1.S1_at	TFIIIE-alpha 2	3.26
Mtr.38799.1.S1_at	Cytokinin oxidase	3.26
Mtr.29867.1.S1_at	Hypothetical protein	3.26
Mtr.42126.1.S1_at	DNA-binding protein	3.26
Mtr.42101.1.S1_at	Hypothetical protein	3.26
Mtr.43608.1.S1_at	rRNA processing protein EBP2	3.25
Msa.1290.1.S1_at	Hypothetical protein	3.25
Mtr.11031.1.S1_s_at	Hypothetical protein	3.25
Mtr.17368.1.S1_at	Galactose oxidase	3.25
Mtr.9119.1.S1_at	Phloem-specific lectin-like protein	3.25
Mtr.41067.1.S1_at	Hypothetical protein	3.25
Mtr.37573.1.S1_at	ADR6 protein	3.25
Mtr.29891.1.S1_at	Hypothetical protein	3.25
Mtr.6418.1.S1_s_at	Hypothetical protein	3.25
Mtr.50388.1.S1_at	Hypothetical protein	3.24
Mtr.42915.1.S1_at	Hypothetical protein	3.24
Mtr.50504.1.S1_at	Protein kinase	3.24
Mtr.11078.1.S1_at	Hypothetical protein	3.24
Mtr.24721.1.S1_at	Heat shock transcription factor	3.24
Mtr.51222.1.S1_at	Disease resistance protein	3.24
Mtr.35836.1.S1_at	Hypothetical protein	3.24
Mtr.35925.1.S1_at	Hypothetical protein	3.24
Mtr.12432.1.S1_at	NADH-dependent glutamate synthase	3.24
Mtr.48971.1.S1_at	Cytochrome oxidase	3.24
Mtr.32912.1.S1_at	Hypothetical protein	3.23
Mtr.51148.1.S1_at	Transferase	3.23
Msa.464.1.S1_at	Hypothetical protein	3.23
Mtr.32496.1.S1_at	Hypothetical protein	3.23
Mtr.50156.1.S1_at	Hypothetical protein	3.23
Mtr.12913.1.S1_at	Hypothetical protein	3.23
Mtr.4879.1.S1_at	Methylesterase	3.23
Mtr.1082.1.S1_at	Aldose 1-epimerase	3.23
Mtr.7570.1.S1_at	Hypothetical protein	3.23
Mtr.39020.1.S1_at	Ethylene receptor homolog	3.23
Msa.1153.1.S1_at	Hypothetical protein	3.23
Mtr.7350.1.S1_at	Hypothetical protein	3.23
Mtr.48736.1.S1_at	Disease resistance protein	3.23
Mtr.9830.1.S1_at	Expansin	3.23
Mtr.27185.1.S1_at	Cytochrome P450	3.23
Mtr.30173.1.S1_at	WRKY transcription factor	3.23
Mtr.49556.1.S1_at	RNA polymerase Rpb1	3.23
Mtr.43011.1.S1_at	Ubiquitin-conjugating enzyme E2	3.23
Mtr.44341.1.S1_at	BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1	3.23
Mtr.1526.1.S1_at	Hypothetical protein	3.23
Mtr.27676.1.S1_x_at	Hypothetical protein	3.23
Mtr.50225.1.S1_at	Hypothetical protein	3.22
Mtr.3061.1.S1_s_at	Hypothetical protein	3.22
Mtr.6696.1.S1_at	Hypothetical protein	3.22

Mtr.43175.1.S1_s_at	Hypothetical protein	3.22
Mtr.41694.1.S1_s_at	AP2 domain transcription factor	3.22
Mtr.42375.1.S1_at	Hypothetical protein	3.22
Mtr.12859.1.S1_at	Hypothetical protein	3.21
Mtr.35758.1.S1_at	NONA protein	3.21
Mtr.45586.1.S1_at	Hypothetical protein	3.21
Mtr.17492.1.S1_at	Hypothetical protein	3.21
Mtr.39500.1.S1_at	Avr9/Cf-9 rapidly elicited protein	3.21
Mtr.28524.1.S1_at	Hypothetical protein	3.21
Mtr.38609.1.S1_at	Hypothetical protein	3.21
Mtr.37250.1.S1_at	Hypothetical protein	3.21
Mtr.42141.1.S1_s_at	Class III peroxidase	3.21
Mtr.33923.1.S1_at	TRANSMEMBRANE PROTEIN	3.21
Mtr.4454.1.S1_at	Hypothetical protein	3.20
Mtr.4734.1.S1_at	Hypothetical protein	3.20
Mtr.12226.1.S1_s_at	Hypothetical protein	3.20
Mtr.52344.1.S1_at	Aminotransferase	3.20
Mtr.42391.1.S1_at	Hypothetical protein	3.20
Mtr.28454.1.S1_at	Hypothetical protein	3.20
Mtr.10717.1.S1_at	Twin LOV protein 1	3.20
Mtr.16726.1.S1_at	Leucine-rich repeat protein	3.20
Mtr.9938.1.S1_at	Dihydrodipicolinate synthase	3.20
Mtr.40911.1.S1_s_at	Cationic peroxidase 2	3.20
Mtr.43953.1.S1_at	Hypothetical protein	3.20
Mtr.9077.1.S1_at	Hypothetical protein	3.20
Mtr.787.1.S1_at	Hypothetical protein	3.20
Mtr.19608.1.S1_s_at	Hypothetical protein	3.20
Mtr.17645.1.S1_at	Hypothetical protein	3.20
Mtr.13479.1.S1_at	Transducin-like protein	3.19
Mtr.37977.1.S1_at	Cyclophilin	3.19
Mtr.45405.1.S1_at	Hypothetical protein	3.19
Mtr.9120.1.S1_at	Hypothetical protein	3.19
Mtr.38518.1.S1_at	Hypothetical protein	3.19
Mtr.18420.1.S1_at	Adenylate cyclase	3.19
Mtr.288.1.S1_at	Hypothetical protein	3.19
Msa.1280.1.S1_at	Hypothetical protein	3.19
Mtr.47143.1.S1_s_at	Brassinosteroid-regulated protein BRU1	3.19
Mtr.2952.1.S1_at	Branched-chain alpha keto-acid dehydrogenase E1 alpha subunit	3.19
Mtr.36196.1.S1_s_at	Lipase	3.19
Mtr.13483.1.S1_at	13-lipoxygenase	3.19
Mtr.49460.1.S1_s_at	RNA-binding region RNP-1	3.19
Mtr.48899.1.S1_at	Ferritin/ribonucleotide reductase	3.19
Mtr.10253.1.S1_at	Cellulose synthase	3.19
Mtr.5245.1.S1_at	Hypothetical protein	3.19
Mtr.10408.1.S1_at	Ferrochelatae I	3.19
Mtr.38325.1.S1_at	Sphingosine-1-phosphate lyase	3.19
Mtr.40193.1.S1_at	Hypothetical protein	3.18
Mtr.25749.1.S1_at	Copper amine oxidase	3.18
Mtr.34833.1.S1_s_at	Hypothetical protein	3.18
Mtr.2087.1.S1_at	Hypothetical protein	3.18
Mtr.32750.1.S1_at	Hypothetical protein	3.18
Mtr.46966.1.S1_s_at	Wound-induced GSK-3-like protein	3.18
Mtr.10474.1.S1_at	Autophagy protein 8	3.18
Mtr.31085.1.S1_at	Hypothetical protein	3.18



Mtr.9783.1.S1_at	Zinc finger-like protein	3.18
Mtr.42879.1.S1_at	Light-induced protein	3.18
Mtr.37801.1.S1_at	Protein kinase	3.18
Mtr.41884.1.S1_at	Mei2-like protein	3.17
Mtr.7199.1.S1_at	Hypothetical protein	3.17
Mtr.9218.1.S1_at	Hypothetical protein	3.17
Mtr.9429.1.S1_at	Transcription factor RAU1	3.17
Mtr.45108.1.S1_at	ABC-type cobalamin/Fe3+-siderophores transport	3.17
Mtr.49142.1.S1_at	Hypothetical protein	3.17
Mtr.23686.1.S1_s_at	DNA-directed RNA polymerase	3.17
Mtr.11323.1.S1_at	F-box protein	3.17
Mtr.45354.1.S1_at	Whitefly-induced gp91-phox	3.16
Msa.1740.1.S1_at	Hypothetical protein	3.16
Mtr.39437.1.S1_at	MRPS17 protein	3.16
Mtr.28538.1.S1_at	Hypothetical protein	3.16
Mtr.33245.1.S1_at	Hypothetical protein	3.16
Mtr.1563.1.S1_at	SRG1 protein	3.16
Mtr.41373.1.S1_at	Phi-1-like protein	3.16
Mtr.50948.1.S1_at	Hypothetical protein	3.16
Mtr.43688.1.S1_at	Hypothetical protein	3.16
Mtr.29288.1.S1_x_at	Hypothetical protein	3.16
Msa.1670.1.S1_at	Hypothetical protein	3.15
Mtr.32311.1.S1_at	Dynein light chain 1	3.15
Mtr.37171.1.S1_at	Hypothetical protein	3.15
Mtr.43611.1.S1_at	WRKY transcription factor 65	3.15
Mtr.15702.1.S1_s_at	Zn-finger protein	3.15
Mtr.13158.1.S1_at	S-receptor kinase	3.15
Mtr.50884.1.S1_s_at	Hypothetical protein	3.15
Mtr.35604.1.S1_at	Lipase family protein	3.15
Msa.3101.1.S1_at	Hypothetical protein	3.15
Mtr.37419.1.S1_at	NuM1 protein	3.15
Mtr.3292.1.S1_at	Hypothetical protein	3.15
Mtr.11560.1.S1_s_at	ADP/ATP translocase-like protein	3.15
Mtr.38140.1.S1_at	Zinc finger protein	3.15
Mtr.40007.1.S1_at	Hypothetical protein	3.15
Mtr.10462.1.S1_at	Non-symbiotic hemoglobin 1	3.14
Mtr.41454.1.S1_at	Farnesylated protein	3.14
Mtr.45545.1.S1_at	Hypothetical protein	3.14
Mtr.41247.1.S1_at	Hypothetical protein	3.14
Mtr.25327.1.S1_at	Hypothetical protein	3.14
Mtr.12589.1.S1_at	Acetyl-CoA carboxylase	3.14
Mtr.41270.1.S1_at	Beta-adaptin-like protein A	3.14
Mtr.6811.1.S1_s_at	Glutathione S-transferase GST 17	3.14
Mtr.40736.1.S1_s_at	STAM binding protein	3.14
Mtr.40569.1.S1_at	Alpha-mannosidase	3.14
Mtr.24032.1.S1_at	Hypothetical protein	3.14
Mtr.32884.1.S1_s_at	Jasmonic acid 2	3.14
Mtr.44195.1.S1_at	Hypothetical protein	3.14
Mtr.10342.1.S1_at	Xyloglucan endotransglucosylase/hydrolase protein	3.13
Mtr.38956.1.S1_at	Hypothetical protein	3.13
Mtr.5980.1.S1_at	Hypothetical protein	3.13
Mtr.17399.1.S1_at	Peptidylprolyl isomerase, FKBP-type	3.13
Msa.1761.1.S1_at	Hypothetical protein	3.13
Mtr.13482.1.S1_at	Ceramide kinase	3.13

Mtr.48831.1.S1_at	Peptidase aspartic	3.13
Mtr.594.1.S1_s_at	Functional candidate resistance protein KR1	3.12
Mtr.10407.1.S1_at	Ferrochelatase II	3.12
Mtr.19308.1.S1_s_at	Cyclin-like F-box	3.12
Mtr.7061.1.S1_at	Hypothetical protein	3.12
Mtr.32008.1.S1_at	Hypothetical protein	3.12
Mtr.22123.1.S1_at	Hypothetical protein	3.12
Mtr.10224.1.S1_at	MYB-like DNA-binding domain protein	3.12
Mtr.4893.1.S1_at	Hypothetical protein	3.12
Mtr.14125.1.S1_at	Phytochrome	3.12
Mtr.9754.1.S1_at	Hypothetical protein	3.12
Mtr.45896.1.S1_at	Translation initiation factor IF5	3.12
Mtr.20676.1.S1_at	Hypothetical protein	3.12
Mtr.20265.1.S1_at	Hypothetical protein	3.12
Mtr.37283.1.S1_s_at	Pathogen-inducible alpha-dioxygenase	3.12
Mtr.44105.1.S1_at	Nucleolar RNA-binding Nop10p-like protein	3.12
Mtr.43799.1.S1_at	Hypothetical protein	3.12
Mtr.1356.1.S1_s_at	Hypothetical protein	3.11
Mtr.12000.1.S1_at	Hypothetical protein	3.11
Mtr.39348.1.S1_at	F-box protein ORE9	3.11
Msa.1709.1.S1_at	Hypothetical protein	3.11
Mtr.30161.1.S1_s_at	Basic/leucine zipper protein	3.11
Mtr.49129.1.S1_s_at	Pumilio/Puf RNA-binding protein	3.11
Mtr.1511.1.S1_at	UDP-glucosyl transferase	3.11
Msa.959.1.S1_at	Hypothetical protein	3.11
Mtr.4918.1.S1_at	S-receptor kinase	3.11
Mtr.20784.1.S1_s_at	Lipase	3.10
Mtr.9913.1.S1_s_at	Hypothetical protein	3.10
Mtr.40725.1.S1_at	Mannose-6-phosphate isomerase	3.10
Mtr.35057.1.S1_at	1-aminocyclopropane-1-carboxylate synthase 1	3.10
Mtr.14252.1.S1_at	Ribosomal protein L25	3.10
Mtr.33493.1.S1_at	Hypothetical protein	3.10
Mtr.42251.1.S1_at	Hypothetical protein	3.10
Mtr.27351.1.S1_at	Protein kinase	3.10
Mtr.18677.1.S1_s_at	Hypothetical protein	3.09
Mtr.39529.1.S1_at	Tetratricopeptide repeat (TPR)-containing protein	3.09
Mtr.43227.1.S1_at	52 kDa Ro protein	3.09
Mtr.15268.1.S1_at	ADP-ribosylation factor	3.09
Mtr.24827.1.S1_at	Hypothetical protein	3.09
Mtr.5689.1.S1_at	Syntaxin-related protein	3.09
Mtr.11873.1.S1_at	Ethylene-overproduction protein	3.09
Mtr.10732.1.S1_at	Hypothetical protein	3.09
Mtr.46823.1.S1_at	Calmodulin-binding protein	3.09
Mtr.34611.1.S1_at	ZF-HD homeobox protein	3.09
Mtr.38531.1.S1_at	Hypothetical protein	3.08
Mtr.39976.1.S1_s_at	AAA-type ATPase	3.08
Msa.1686.1.S1_s_at	Hypothetical protein	3.08
Mtr.43257.1.S1_at	NAC-domain protein	3.08
Mtr.40988.1.S1_at	Hypothetical protein	3.08
Mtr.19570.1.S1_at	Pathogenesis-related transcriptional factor	3.08
Mtr.40598.1.S1_at	Hypothetical protein	3.08
Mtr.43265.1.S1_at	Hypothetical protein	3.08
Mtr.42431.1.S1_at	Hypothetical protein	3.08
Mtr.6559.1.S1_at	Nucleoporin	3.08

Mtr.9090.1.S1_at	Hypothetical protein	3.08
Mtr.48818.1.S1_at	bZIP transcription factor	3.08
Mtr.17250.1.S1_at	Spectrin repeat protein	3.08
Mtr.21025.1.S1_at	Esterase/lipase/thioesterase	3.08
Mtr.33257.1.S1_s_at	Stromal membrane-associated protein	3.08
Mtr.38328.1.S1_at	Phosphatidic acid phosphatase alpha	3.08
Mtr.8932.1.S1_at	Geranylgeranylated protein	3.08
Mtr.28443.1.S1_s_at	Hypothetical protein	3.08
Mtr.20407.1.S1_at	Hypothetical protein	3.08
Mtr.44887.1.S1_at	Hypothetical protein	3.07
Mtr.4658.1.S1_at	Hypothetical protein	3.07
Mtr.41303.1.S1_at	Hypothetical protein	3.07
Mtr.17083.1.S1_at	Light chain 3 (LC3)	3.07
Mtr.43104.1.S1_at	1-aminocyclopropanecarboxylic acid oxidase	3.07
Mtr.22601.1.S1_s_at	Endoxyloglucan transferase	3.07
Mtr.37225.1.S1_at	Adenine nucleotide translocator	3.07
Mtr.32578.1.S1_at	Hypothetical protein	3.07
Mtr.10793.1.S1_at	STAM binding protein	3.07
Mtr.39860.1.S1_at	Hypothetical protein	3.07
Mtr.42237.1.S1_at	Hypothetical protein	3.07
Mtr.38213.1.S1_at	Hypothetical protein	3.07
Mtr.11587.1.S1_at	Hypothetical protein	3.07
Mtr.49745.1.S1_s_at	Tyrosine specific protein phosphatase	3.07
Mtr.15535.1.S1_at	Serine/threonine protein kinase	3.06
Mtr.30324.1.S1_at	Hypothetical protein	3.06
Mtr.6307.1.S1_at	Drm3	3.06
Mtr.13157.1.S1_at	Hypothetical protein	3.06
Mtr.10803.1.S1_at	Small nuclear riboprotein	3.06
Mtr.16958.1.S1_s_at	Proteinase inhibitor I9	3.06
Msa.2767.1.S1_at	Hypothetical protein	3.06
Mtr.38773.1.S1_at	Protein kinase	3.06
Mtr.30756.1.S1_s_at	Hypothetical protein	3.06
Mtr.38660.1.S1_at	Hypothetical protein	3.06
Mtr.41990.1.S1_at	Nodulin-like protein	3.06
Msa.2923.1.S1_at	Hypothetical protein	3.06
Mtr.14271.1.S1_at	Calcium-binding EF-hand	3.06
Mtr.20117.1.S1_s_at	Peptidyl-prolyl cis-trans isomerase, cyclophilin type	3.06
Msa.2396.1.S1_at	Hypothetical protein	3.06
Mtr.40703.1.S1_at	Hypothetical protein	3.06
Mtr.39780.1.S1_at	Hypothetical protein	3.06
Mtr.18911.1.S1_s_at	Serine/threonine protein kinase	3.06
Mtr.8301.1.S1_at	BRI1-KD interacting protein	3.06
Mtr.2526.1.S1_at	Hypothetical protein	3.06
Mtr.39119.1.S1_at	Timing of CAB expression 1	3.06
Mtr.18027.1.S1_at	Ankyrin	3.05
Mtr.21406.1.S1_s_at	Ankyrin	3.05
Mtr.33080.1.S1_at	Hypothetical protein	3.05
Mtr.8828.1.S1_at	Cytochrome P450	3.05
Mtr.33207.1.S1_at	Hypothetical protein	3.05
Mtr.44938.1.S1_at	Hypothetical protein	3.05
Mtr.7077.1.S1_at	Amino acid permease AAP4	3.05
Msa.3073.1.S1_s_at	Hypothetical protein	3.05
Mtr.6755.1.S1_at	Xanthine dehydrogenase 1	3.05
Mtr.41453.1.S1_at	Hypothetical protein	3.04

Mtr.10204.1.S1_at	NADH dehydrogenase subunit 4L	3.04
Mtr.50869.1.S1_at	Hypothetical protein	3.04
Mtr.5080.1.S1_s_at	Extensin (Class I)	3.04
Mtr.9076.1.S1_at	Hypothetical protein	3.04
Mtr.43853.1.S1_at	Hypothetical protein	3.04
Mtr.18418.1.S1_at	Ankyrin	3.04
Mtr.49055.1.S1_at	Hypothetical protein	3.04
Mtr.19888.1.S1_at	Glycosyl hydrolases family 17	3.04
Mtr.7491.1.S1_at	Hypothetical protein	3.04
Mtr.42683.1.S1_at	Acyl-activating enzyme 18	3.03
Mtr.46591.1.S1_at	Hypothetical protein	3.03
Mtr.12226.1.S1_x_at	Hypothetical protein	3.03
Mtr.11293.1.S1_at	Polygalacturonase inhibitor-like protein	3.03
Mtr.39368.1.S1_at	Ethylene receptor homolog	3.03
Mtr.19285.1.S1_s_at	Hypothetical protein	3.03
Mtr.35059.1.S1_at	Hypothetical protein	3.03
Mtr.44445.1.S1_at	Syringolide-induced protein B13-1-9	3.03
Mtr.10144.1.S1_at	Disease resistance protein	3.03
Mtr.14274.1.S1_at	RNA-binding region RNP-1	3.03
Mtr.51890.1.S1_s_at	Proteinase inhibitor I9	3.03
Mtr.45295.1.S1_s_at	Hypothetical protein	3.03
Mtr.23763.1.S1_s_at	DEAH box helicase	3.03
Mtr.34681.1.S1_at	Hypothetical protein	3.03
Mtr.37748.1.S1_at	Defense-related protein	3.02
Mtr.42794.1.S1_at	Hypothetical protein	3.02
Mtr.44296.1.S1_at	Cellulose synthase-like protein D4	3.02
Mtr.44925.1.S1_at	Hypothetical protein	3.02
Mtr.24441.1.S1_s_at	Hypothetical protein	3.02
Mtr.27676.1.S1_at	Hypothetical protein	3.02
Mtr.25961.1.S1_s_at	Hypothetical protein	3.02
Mtr.7469.1.S1_at	Hypothetical protein	3.02
Mtr.42273.1.S1_at	Hypothetical protein	3.02
Mtr.41147.1.S1_at	Hypothetical protein	3.02
Mtr.37179.1.S1_at	Hypothetical protein	3.02
Mtr.23037.1.S1_at	Hypothetical protein	3.01
Mtr.44641.1.S1_at	F-box family protein	3.01
Mtr.5708.1.S1_at	RING zinc finger protein	3.01
Mtr.37622.1.S1_at	KH domain-containing protein	3.01
Mtr.11870.1.S1_at	ER66 protein	3.01
Msa.1300.1.S1_at	Hypothetical protein	3.01
Mtr.6549.1.S1_at	Hypothetical protein	3.01
Mtr.45921.1.S1_at	DNA-directed RNA polymerase	3.01
Mtr.35552.1.S1_at	Hypothetical protein	3.01
Mtr.26606.1.S1_at	Hypothetical protein	3.01
Mtr.4402.1.S1_x_at	Hypothetical protein	3.01
Mtr.13557.1.S1_at	Ethylene receptor homolog	3.01
Mtr.27159.1.S1_at	Hypothetical protein	3.01
Mtr.3548.1.S1_at	Hypothetical protein	3.01
Mtr.31135.1.S1_at	Hypothetical protein	3.01
Mtr.12791.1.S1_at	Hypothetical protein	3.01
Mtr.17167.1.S1_at	Methyladenine glycosylase	3.01
Mtr.20107.1.S1_at	Expansin	3.01
Mtr.13267.1.S1_at	Hypothetical protein	3.00
Mtr.12524.1.S1_at	Eukaryotic cap-binding protein	3.00

Mtr.36886.1.S1_at	Hypothetical protein	3.00
Mtr.12455.1.S1_at	Hypothetical protein	3.00
Mtr.12484.1.S1_at	Branched-chain-amino-acid aminotransferase 5	3.00

**Supplementary Table S4. Downregulated genes at 24 hours after inoculation with soybean rust**

<b>Probesets</b>	<b>Target Description</b>	<b>Fold reduction</b>
Mtr.26465.1.S1_s_at	Phosphoethanolamine N-methyltransferase	-865.11
Mtr.13982.1.S1_at	CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferase	-768.01
Mtr.35794.1.S1_s_at	Myo-inositol 2-phosphate synthase	-667.21
Mtr.20438.1.S1_at	O-methyltransferase	-566.21
Mtr.20321.1.S1_at	Plant lipid transfer/seed storage/trypsin-alpha amylase inhibitor	-545.29
Mtr.8618.1.S1_at	Cytochrome P450 monooxygenase CYP93D1	-537.70
Mtr.8427.1.S1_at	Lipoxygenase	-456.09
Mtr.1186.1.S1_s_at	Ferric reductase-like transmembrane component family	-449.36
Mtr.26601.1.S1_s_at	FRO1-like protein	-434.76
Mtr.42849.1.S1_at	Myo-inositol-1-phosphate synthase	-390.84
Mtr.26602.1.S1_s_at	NADPH oxidase	-368.11
Mtr.12069.1.S1_at	Phosphoethanolamine	-350.54
Mtr.43870.1.S1_at	FRO1-like protein; NADPH oxidase	-345.88
Mtr.44581.1.S1_at	Hypothetical protein	-343.94
Msa.2715.1.S1_at	Hypothetical protein	-315.40
Mtr.44812.1.S1_s_at	Extracellular calcium sensing receptor	-311.90
Mtr.13564.1.S1_s_at	Extracellular calcium sensing receptor	-294.11
Mtr.42858.1.S1_at	Hypothetical protein	-286.76
Mtr.10604.1.S1_at	Nitrate reductase	-281.26
Mtr.41746.1.S1_at	DnaJ domain family	-275.74
Mtr.12393.1.S1_at	Cinnamoyl-CoA reductase-like protein	-275.26
Mtr.12682.1.S1_at	Light-harvesting complex protein	-248.43
Mtr.44591.1.S1_at	Quinone oxidoreductase	-240.41
Mtr.9320.1.S1_at	Hypothetical protein	-238.68
Mtr.19547.1.S1_s_at	Nucleoside phosphatase GDA1/CD39	-237.47
Mtr.11284.1.S1_at	Oxygen evolving complex protein	-233.39
Mtr.10369.1.S1_at	Chalcone synthase	-225.35
Mtr.14290.1.S1_at	Rhodanese-like protein	-224.58
Mtr.10456.1.S1_at	Early light inducible protein	-222.50
Msa.888.1.S1_at	Hypothetical protein	-220.26
Mtr.5348.1.S1_at	Hypothetical protein	-216.22
Mtr.41942.1.S1_at	Hypothetical protein	-210.45
Mtr.10298.1.S1_at	Photosystem II 22 kDa protein	-210.25
Mtr.44731.1.S1_at	Hypothetical protein	-209.63
Msa.1913.1.S1_at	Hypothetical protein	-192.35
Mtr.41828.1.S1_at	Thylakoid soluble phosphoprotein	-186.32
Mtr.9873.1.S1_at	Thioredoxin H2	-185.89
Mtr.13190.1.S1_at	Hypothetical protein	-184.82
Mtr.11110.1.S1_at	GCN5-related N-acetyltransferase (GNAT)	-181.75
Mtr.8476.1.S1_at	Plastidic aldolase	-177.94
Mtr.40245.1.S1_s_at	Early light inducible protein	-172.99
Mtr.49177.1.S1_at	Dienelactone hydrolase	-171.50
Mtr.10659.1.S1_s_at	Hypothetical protein	-171.49
Mtr.10450.1.S1_at	Hypothetical protein	-169.63
Msa.3125.1.S1_at	Hypothetical protein	-169.59
Mtr.46609.1.S1_at	UDP-glycosyltransferase	-164.63
Mtr.6704.1.S1_at	Hypothetical protein	-159.30
Mtr.50430.1.S1_at	Lipoxygenase	-157.13
Mtr.15442.1.S1_at	Hypothetical protein	-155.90
Mtr.52215.1.S1_at	Lipoxygenase	-155.36
Msa.888.1.S1_s_at	Hypothetical protein	-154.67
Mtr.40848.1.S1_at	Photosystem II protein X	-149.55

Mtr.8637.1.S1_at	Hypothetical protein	-147.41
Mtr.41463.1.S1_at	ADP-glucose pyrophosphorylase	-145.46
Mtr.19547.1.S1_at	Nucleoside phosphatase GDA1/CD39	-145.18
Mtr.35685.1.S1_at	Heat shock protein	-143.89
Mtr.8475.1.S1_s_at	Plastidic aldolase	-143.82
Mtr.4439.1.S1_s_at	Thioredoxin H2	-140.05
Mtr.40742.1.S1_s_at	Thylakoid membrane phosphoprotein 14 kDa	-139.95
Mtr.8651.1.S1_a_at	Dehydrin-like protein	-139.91
Mtr.12272.1.S1_at	Granule-bound glycogen	-139.18
Mtr.28774.1.S1_at	Anthocyanidin synthase	-137.01
Mtr.25935.1.S1_at	Auxin-induced protein 15A	-135.38
Mtr.51205.1.S1_at	Hypothetical protein	-132.51
Mtr.22257.1.S1_s_at	Hypothetical protein	-131.72
Mtr.34220.1.S1_s_at	Hypothetical protein	-129.88
Mtr.51510.1.S1_at	Hypothetical protein	-126.43
Mtr.38073.1.S1_at	Dihydroflavanol-4-reductase 1	-126.42
Mtr.38344.1.S1_at	Limonoid UDP-glucosyltransferase	-125.60
Mtr.8651.1.S1_at	Dehydrin-like protein	-125.37
Msa.3055.1.S1_at	Hypothetical protein	-125.04
Msa.3134.1.S1_at	Hypothetical protein	-124.47
Mtr.10457.1.S1_at	Early light inducible protein	-123.42
Mtr.40669.1.S1_at	FK506 binding protein 1	-123.05
Mtr.42982.1.S1_s_at	Carbonic anhydrase	-121.36
Mtr.26036.1.S1_s_at	3-ketoacyl-CoA synthase 1 (KCS1)	-121.23
Mtr.40719.1.S1_s_at	Tic62 protein	-120.83
Mtr.9735.1.S1_a_at	Tic62 protein	-119.81
Mtr.25935.1.S1_x_at	Auxin-induced protein 15A	-118.89
Msa.1004.1.S1_at	Hypothetical protein	-117.08
Mtr.9236.1.S1_at	ADP-glucose pyrophosphorylase	-116.73
Msa.1451.1.S1_at	Hypothetical protein	-116.24
Mtr.37363.1.S1_at	CPRD46 protein	-115.96
Msa.3075.1.S1_at	Hypothetical protein	-114.23
Mtr.10797.1.S1_at	Thylakoid membrane phosphoprotein 14 kDa	-114.10
Mtr.12687.1.S1_at	Hypothetical protein	-113.52
Mtr.19759.1.S1_at	Zinc-containing alcohol dehydrogenase	-112.15
Mtr.5628.1.S1_s_at	Lipoxygenase	-111.69
Mtr.32797.1.S1_s_at	Sphingolipid long chain base delta 8 desaturase	-109.08
Msa.2574.1.S1_at	Hypothetical protein	-107.23
Mtr.37533.1.S1_at	Fructose-1,6-bisphosphatase	-107.16
Mtr.9564.1.S1_at	FKBP like protein	-106.44
Mtr.43317.1.S1_s_at	Photosystem II core complex proteins psbY	-105.72
Mtr.16402.1.S1_at	NADPH HC toxin reductase	-105.64
Msa.1690.1.S1_at	Hypothetical protein	-105.20
Mtr.35240.1.S1_s_at	Xyloglucan endotransglycosylase hydrolase	-104.50
Mtr.7343.1.S1_at	ADP-glucose pyrophosphorylase	-104.36
Msa.1383.1.S1_at	Hypothetical protein	-103.70
Mtr.13242.1.S1_at	Magnesium chelatase	-103.31
Mtr.12273.1.S1_s_at	Ribulose 1,5-bisphosphate carboxylase small subunit	-103.16
Msa.2951.1.S1_at	Hypothetical protein	-102.66
Mtr.37632.1.S1_at	Tetrapyrrole-binding protein	-102.43
Mtr.39986.1.S1_at	Hypothetical protein	-97.15
Mtr.41786.1.S1_at	Hypothetical protein	-96.65
Mtr.31194.1.S1_at	Cytochrome P450	-95.86
Mtr.12160.1.S1_at	Mitochondrial carnitine/acylcarnitine carrier-like protein	-93.86

Mtr.24578.1.S1_s_at	Hypothetical protein	-93.05
Mtr.38769.1.S1_at	Steroid 5alpha-reductase	-92.25
Mtr.35696.1.S1_s_at	Hypothetical protein	-90.82
Mtr.42842.1.S1_s_at	Ribulose 1,5-bisphosphate carboxylase small subunit	-90.80
Mtr.43089.1.S1_at	Seed maturation protein LEA 4	-90.57
Mtr.40432.1.S1_at	Sedoheptulose-1,7-bisphosphatase	-89.79
Msa.3155.1.S1_at	Hypothetical protein	-89.20
Mtr.26465.1.S1_at	Phosphoethanolamine N-methyltransferase	-88.57
Mtr.11283.1.S1_at	Hypothetical protein	-87.53
Mtr.22060.1.S1_at	Alanine aminotransferase	-87.50
Mtr.24034.1.S1_s_at	Hypothetical protein	-87.26
Mtr.6142.1.S1_at	Jasmonate O-methyltransferase	-86.62
Mtr.13375.1.S1_at	Hypothetical protein	-86.53
Msa.3176.1.S1_at	Hypothetical protein	-86.50
Mtr.26597.1.S1_at	Hypothetical protein	-86.11
Mtr.10377.1.S1_at	Hypothetical protein	-85.81
Mtr.16941.1.S1_at	UDP-glucuronosyl/UDP-glucosyltransferase	-85.24
Mtr.40546.1.S1_at	Hypothetical protein	-84.09
Mtr.44844.1.S1_at	Chalcone reductase	-83.46
Mtr.8650.1.S1_at	Xyloglucan endotransglycosylase hydrolase 1	-83.08
Msa.1197.1.S1_at	Hypothetical protein	-82.70
Mtr.41445.1.S1_at	Hypothetical protein	-82.66
Mtr.47151.1.S1_at	Glutathione S-transferase	-81.82
Msa.1381.1.S1_at	Hypothetical protein	-81.76
Mtr.48649.1.S1_at	Cellulose synthase	-81.47
Msa.1752.1.S1_s_at	Hypothetical protein	-79.68
Mtr.37367.1.S1_at	UDP-glucosyltransferase	-79.55
Mtr.35647.1.S1_at	Hypothetical protein	-79.07
Mtr.33852.1.S1_at	Hypothetical protein	-78.78
Mtr.9748.1.S1_at	Peptidyl-prolyl cis-trans isomerase TLP38	-78.35
Mtr.5621.1.S1_at	Hypothetical protein	-77.29
Mtr.13564.1.S1_at	Extracellular calcium sensing receptor	-76.83
Mtr.37384.1.S1_at	Granule-bound starch synthase	-76.14
Mtr.37215.1.S1_at	Photosystem II type I chlorophyll a/b-binding protein	-76.07
Mtr.42902.1.S1_s_at	VuP6CS protein	-76.04
Mtr.44991.1.S1_at	Cucumisn-like serine protease	-74.24
Mtr.40861.1.S1_at	Cytochrome P450	-73.99
Mtr.33459.1.S1_s_at	Hypothetical protein	-73.91
Mtr.41387.1.S1_at	Hypothetical protein	-73.90
Mtr.4948.1.S1_at	Hypothetical protein	-73.81
Mtr.4951.1.S1_at	Hypothetical protein	-73.63
Mtr.37221.1.S1_at	Photosystem II type I chlorophyll a/b-binding protein	-72.51
Mtr.40497.1.S1_at	Glucose acyltransferase	-72.47
Mtr.50426.1.S1_at	Lipoxygenase	-72.43
Mtr.32384.1.S1_s_at	Beta-amyrin synthase	-72.07
Mtr.10377.1.S1_s_at	Hypothetical protein	-72.04
Mtr.2065.1.S1_at	Ent-kaurenoic acid oxidase	-71.06
Mtr.41515.1.S1_at	Phosphate transporter	-70.99
Mtr.37368.1.S1_at	Hypothetical protein	-70.80
Mtr.6745.1.S1_s_at	Violaxanthin de-epoxidase	-70.10
Msa.1358.1.S1_at	Hypothetical protein	-69.56
Msa.2589.1.S1_at	Hypothetical protein	-69.47
Mtr.37362.1.S1_at	CPRD46 protein	-69.36
Mtr.11545.1.S1_at	Hypothetical protein	-69.22



Mtr.38772.1.S1_at	Hypothetical protein	-68.72
Mtr.10948.1.S1_at	Hypothetical protein	-68.28
Mtr.32302.1.S1_at	Hypothetical protein	-68.20
Mtr.21070.1.S1_at	Hypothetical protein	-68.17
Mtr.33633.1.S1_at	Subtilisin-like serine protease	-67.81
Mtr.43442.1.S1_at	Hypothetical protein	-67.47
Msa.1851.1.S1_at	Hypothetical protein	-67.29
Mtr.32878.1.S1_at	Zeaxanthin epoxidase	-66.47
Mtr.37662.1.S1_at	Proline-rich family protein	-66.31
Mtr.42335.1.S1_at	Hypothetical protein	-65.98
Mtr.10830.1.S1_at	Solaneyl diphosphate synthase	-65.88
Mtr.6707.1.S1_s_at	Hypothetical protein	-65.25
Mtr.1857.1.S1_at	Hypothetical protein	-64.99
Mtr.31744.1.S1_at	Anthranilate N-hydroxycinnamoyl/benzoyltransferase	-64.85
Mtr.13758.1.S1_at	Hypothetical protein	-64.43
Msa.3154.1.S1_at	Hypothetical protein	-64.34
Mtr.2064.1.S1_at	Hypothetical protein	-64.17
Mtr.43118.1.S1_s_at	Cytochrome P450 72A1	-63.83
Mtr.12722.1.S1_at	Hypothetical protein	-63.73
Mtr.37252.1.S1_at	Salt-tolerance protein	-63.69
Mtr.44640.1.S1_at	Hypothetical protein	-63.68
Mtr.2129.1.S1_at	Hypothetical protein	-63.58
Mtr.44580.1.S1_at	Hypothetical protein	-63.33
Mtr.46324.1.S1_at	Hypothetical protein	-62.69
Mtr.8207.1.S1_at	Hypothetical protein	-62.62
Mtr.43480.1.S1_at	Hypothetical protein	-62.34
Mtr.48573.1.S1_at	Haloacid dehalogenase-like hydrolase	-61.83
Mtr.36069.1.S1_s_at	Hypothetical protein	-61.68
Mtr.51618.1.S1_at	Hypothetical protein	-61.19
Mtr.12942.1.S1_at	Late embryogenesis abundant protein	-61.11
Mtr.41042.1.S1_s_at	Phosphoethanolamine N-methyltransferase	-61.00
Mtr.49244.1.S1_at	NADPH HC toxin reductase	-60.73
Mtr.22013.1.S1_s_at	Peroxiredoxin Q	-60.45
Mtr.18630.1.S1_at	Prenyltransferase/squalene oxidase	-60.35
Mtr.241.1.S1_at	Delta-6-desaturase	-60.23
Mtr.27898.1.S1_at	Alanine aminotransferase	-60.21
Mtr.46540.1.S1_at	Hypothetical protein	-59.22
Mtr.11088.1.S1_at	37kDa chloroplast inner envelope membrane polypeptide	-58.97
Mtr.6753.1.S1_at	Hypothetical protein	-58.52
Mtr.39290.1.S1_at	Hypothetical protein	-57.96
Mtr.22480.1.S1_s_at	Chloroplast mRNA-binding protein CSP41	-57.81
Mtr.6657.1.S1_s_at	Hypothetical protein	-57.18
Mtr.9187.1.S1_at	Hypothetical protein	-57.17
Mtr.11603.1.S1_at	Non-phototropic hypocotyl-like protein	-57.11
Mtr.10464.1.S1_at	Phosphoribulokinase	-57.05
Msa.1578.1.S1_at	Hypothetical protein	-57.00
Mtr.38920.1.S1_s_at	NFU3 protein	-56.97
Mtr.34115.1.S1_at	Hypothetical protein	-56.81
Msa.941.1.S1_at	Hypothetical protein	-56.78
Mtr.49640.1.S1_at	Hypothetical protein	-56.73
Mtr.17090.1.S1_at	Myb, DNA-binding	-56.53
Mtr.6756.1.S1_at	ABC transporter	-56.34
Mtr.14608.1.S1_at	Heat shock protein Hsp20	-55.83
Mtr.43117.1.S1_at	Cytochrome P450	-55.81

Mtr.6748.1.S1_at	Hypothetical protein	-55.47
Mtr.46628.1.S1_s_at	Peroxidase	-55.42
Mtr.6031.1.S1_at	Lipid transfer protein	-55.35
Mtr.23405.1.S1_at	Hypothetical protein	-55.11
Mtr.42830.1.S1_at	Hypothetical protein	-55.11
Mtr.27626.1.S1_s_at	Hypothetical protein	-55.05
Mtr.5956.1.S1_s_at	Late embryogenesis abundant protein	-54.95
Msa.2805.1.S1_at	Hypothetical protein	-54.61
Msa.565.1.S1_at	Hypothetical protein	-54.42
Mtr.43375.1.S1_at	Hypothetical protein	-54.06
Msa.927.1.S1_at	Hypothetical protein	-53.95
Mtr.20297.1.S1_at	Lipocalin; Calycin; Violaxanthin de-epoxidase	-53.59
Mtr.14755.1.S1_at	Hypothetical protein	-53.58
Mtr.18535.1.S1_at	Hypothetical protein	-53.50
Mtr.37297.1.S1_at	Plastidic aldolase	-53.12
Mtr.16620.1.S1_s_at	Phosphoglycerate/bisphosphoglycerate mutase	-53.11
Mtr.13096.1.S1_at	Hypothetical protein	-52.73
Mtr.41393.1.S1_at	Hypothetical protein	-52.69
Mtr.34955.1.S1_at	Hypothetical protein	-52.68
Mtr.13261.1.S1_s_at	Hypothetical protein	-52.64
Msa.2842.1.S1_at	Hypothetical protein	-52.54
Mtr.8438.1.S1_at	LHCII type I chlorophyll a/b-binding protein	-52.36
Mtr.18757.1.S1_at	Sulfate transporter	-52.13
Mtr.34428.1.S1_s_at	Glyceraldehyde-3-phosphate dehydrogenase	-52.12
Mtr.21535.1.S1_at	Serine/threonine protein kinase	-51.92
Mtr.48257.1.S1_at	Hypothetical protein	-51.73
Msa.2885.1.S1_at	Hypothetical protein	-51.71
Mtr.12797.1.S1_at	Family II lipase EXL3	-51.39
Mtr.41843.1.S1_at	Fimbrin	-51.39
Mtr.8771.1.S1_at	Hypothetical protein	-51.19
Mtr.17317.1.S1_at	S-adenosyl-methionine-sterol-C-methyltransferase	-50.99
Mtr.42981.1.S1_s_at	Hypothetical protein	-50.84
Mtr.24825.1.S1_s_at	Cytochrome P450	-50.43
Mtr.12327.1.S1_s_at	Late embryogenesis abundant protein 1	-49.89
Mtr.41416.1.S1_at	Drought-induced protein RDI	-49.75
Mtr.31606.1.S1_s_at	Phosphoethanolamine N-methyltransferase	-49.62
Mtr.27626.1.S1_at	Hypothetical protein	-49.45
Mtr.253.1.S1_at	Symbiotic ammonium transporter	-49.31
Mtr.50844.1.S1_at	Hypothetical protein	-49.27
Mtr.43208.1.S1_at	Thioredoxin F-type	-48.44
Mtr.24540.1.S1_s_at	Peroxidase	-48.44
Mtr.10816.1.S1_at	Hypothetical protein	-48.16
Mtr.44674.1.S1_at	Phytochrome A supressor spa1	-48.00
Mtr.27305.1.S1_at	S-receptor kinase-like protein 2	-47.91
Mtr.42665.1.S1_at	Hypothetical protein	-47.85
Mtr.39853.1.S1_at	Basic PR-1 protein	-47.85
Mtr.45311.1.S1_at	Hypothetical protein	-47.75
Mtr.49641.1.S1_at	Hypothetical protein	-47.69
Mtr.10844.1.S1_at	Peroxiredoxin Q	-47.69
Mtr.18023.1.S1_at	Ferredoxin	-47.61
Mtr.41360.1.S1_at	Fimbrin-like protein	-47.24
Mtr.43021.1.S1_at	1-deoxy-D-xylulose 5-phosphate reductoisomerase	-47.20
Mtr.40921.1.S1_at	Hypothetical protein	-47.09
Mtr.51216.1.S1_s_at	Homeodomain-like	-47.03

Mtr.34690.1.S1_at	Lactoylglutathione lyase	-46.87
Mtr.50943.1.S1_at	Peptidase	-46.32
Mtr.37847.1.S1_at	UDP-glycosyltransferase 85A8	-46.26
Mtr.11069.1.S1_at	Starch branching enzyme I	-46.23
Mtr.52116.1.S1_at	Glyceraldehyde 3-phosphate dehydrogenase	-46.01
Mtr.33820.1.S1_at	Beta-galactosidase	-45.92
Mtr.12295.1.S1_at	Inorganic pyrophosphatase-like protein	-45.83
Mtr.24918.1.S1_s_at	Receptor-like protein kinase	-45.78
Mtr.13817.1.S1_at	AX110P-like protein	-45.76
Mtr.51216.1.S1_at	Homeodomain-like	-45.74
Mtr.10182.1.S1_at	PREG1-like negative regulator	-45.71
Mtr.41816.1.S1_at	Hypothetical protein	-45.70
Mtr.10124.1.S1_at	Cytochrome P450	-45.67
Mtr.34723.1.S1_at	37 kDa inner envelope membrane protein	-45.54
Mtr.13484.1.S1_s_at	Golden2-like protein 2	-45.49
Mtr.39190.1.S1_at	Cytochrome p450	-45.41
Mtr.10828.1.S1_at	Glucosyltransferase-13	-45.40
Mtr.8552.1.S1_at	Hypothetical protein	-45.21
Mtr.42609.1.S1_at	Hypothetical protein	-45.08
Mtr.43886.1.S1_at	RNA polymerase sigma subunit SigE	-44.95
Mtr.14426.1.S1_at	Aldo/keto reductase	-44.51
Mtr.47158.1.S1_s_at	Hypothetical protein	-44.29
Mtr.8554.1.S1_at	Fructose-bisphosphate aldolase	-44.07
Mtr.11810.1.S1_at	Hypothetical protein	-43.99
Mtr.42226.1.S1_at	Ent-kaurenoic acid oxidase	-43.95
Mtr.18035.1.S1_at	Protein phosphatase 2C	-43.89
Mtr.43939.1.S1_s_at	Ribonuclease HIII	-43.76
Mtr.33651.1.S1_at	Hypothetical protein	-43.70
Mtr.8530.1.S1_s_at	Hypothetical protein	-43.66
Mtr.39964.1.S1_s_at	Hypothetical protein	-43.63
Mtr.14013.1.S1_at	Transporter associated with antigen processing-like protein	-43.62
Mtr.5594.1.S1_at	Ca <sup>2+</sup> /H <sup>+</sup> exchanger	-43.53
Mtr.7512.1.S1_at	Hypothetical protein	-43.45
Mtr.49062.1.S1_at	Heat shock protein DnaJ	-43.19
Mtr.34097.1.S1_at	Sucrose-phosphate synthase 2	-43.06
Mtr.29551.1.S1_at	Hypothetical protein	-43.05
Mtr.40306.1.S1_at	Hypothetical protein	-42.74
Mtr.35444.1.S1_at	Oxygen evolving complex protein	-42.17
Mtr.16791.1.S1_s_at	Thylakoid lumen protein	-41.82
Mtr.41715.1.S1_at	Receptor protein	-41.67
Mtr.42241.1.S1_at	Nodulin 26-like protein	-41.48
Mtr.32687.1.S1_at	Hypothetical protein	-41.07
Mtr.20822.1.S1_at	Hypothetical protein	-40.85
Mtr.37529.1.S1_at	Magnesium chelatase subunit	-40.84
Mtr.13704.1.S1_at	Hypothetical protein	-40.66
Mtr.1073.1.S1_at	Hypothetical protein	-40.52
Mtr.6709.1.S1_at	Hypothetical protein	-40.50
Msa.935.1.S1_at	Hypothetical protein	-40.35
Mtr.13324.1.S1_at	Hypothetical protein	-40.35
Mtr.18560.1.S1_at	dTDP-glucose 4-6-dehydratase	-40.31
Mtr.44648.1.S1_at	Hypothetical protein	-40.19
Mtr.9354.1.S1_at	ADP-glucose pyrophosphorylase	-40.19
Mtr.25285.1.S1_at	Symbiotic ammonium transporter	-39.68
Mtr.12202.1.S1_at	Ribulose 1,5-bisphosphate carboxylase small subunit	-39.47

Mtr.6693.1.S1_s_at	NFU3 protein	-39.47
Mtr.12028.1.S1_at	Hypothetical protein	-39.45
Mtr.38403.1.S1_at	Thylakoid lumenal 25.6 kDa protein	-39.26
Mtr.43702.1.S1_s_at	Thylakoid lumenal protein	-39.18
Mtr.34856.1.S1_at	Hypothetical protein	-39.16
Mtr.6744.1.S1_at	Hypothetical protein	-39.16
Mtr.49762.1.S1_at	Elongation factor g	-39.00
Mtr.6048.1.S1_s_at	Hypothetical protein	-39.00
Mtr.26941.1.S1_at	Hypothetical protein	-38.95
Mtr.10925.1.S1_at	Hypothetical protein	-38.40
Mtr.38650.1.S1_at	Anthocyanidin synthase	-38.28
Mtr.17316.1.S1_at	Generic methyltransferase	-38.26
Mtr.6743.1.S1_at	2-oxoglutarate/malate translocator	-38.07
Mtr.43075.1.S1_at	Cyanogenic Beta-Glucosidase	-38.05
Mtr.7344.1.S1_at	Hypothetical protein	-37.84
Mtr.8440.1.S1_at	Salt-tolerance protein	-37.68
Mtr.27621.1.S1_at	Hypothetical protein	-37.67
Mtr.12965.1.S1_at	Hypothetical protein	-37.19
Mtr.37624.1.S1_s_at	3-beta-hydroxysteroiddehydrogenase	-36.95
Mtr.32990.1.S1_at	Non-phototropic hypocotyl-like protein	-36.91
Mtr.35200.1.S1_at	Elongation factor 1 alpha	-36.88
Mtr.13203.1.S1_at	Thylakoid lumenal 29.8 kDa protein	-36.82
Mtr.47958.1.S1_at	Hypothetical protein	-36.63
Mtr.14083.1.S1_at	Hypothetical protein	-36.51
Mtr.16620.1.S1_at	Phosphoglycerate/bisphosphoglycerate mutase	-36.39
Mtr.12949.1.S1_at	MURF2 protein	-36.33
Mtr.5355.1.S1_at	Hypothetical protein	-36.29
Msa.1348.1.S1_at	Hypothetical protein	-36.19
Mtr.13248.1.S1_at	Protein kinase	-36.15
Mtr.11985.1.S1_at	Hypothetical protein	-36.13
Msa.1863.1.S1_at	Hypothetical protein	-36.10
Mtr.10946.1.S1_at	Hypothetical protein	-36.10
Mtr.43018.1.S1_at	Cytochrome P450	-36.09
Mtr.4947.1.S1_at	Hypothetical protein	-35.98
Mtr.37420.1.S1_at	Glycine cleavage system H protein	-35.79
Mtr.30778.1.S1_at	Hypothetical protein	-35.79
Msa.981.1.S1_at	Hypothetical protein	-35.70
Mtr.10820.1.S1_at	Hypothetical protein	-35.66
Mtr.10693.1.S1_at	Cytochrome P450	-35.66
Msa.2924.1.S1_at	Hypothetical protein	-35.64
Mtr.2200.1.S1_at	Hypothetical protein	-35.52
Mtr.19937.1.S1_at	Elongation factor G	-35.33
Mtr.34850.1.S1_s_at	Hypothetical protein	-35.21
Mtr.40632.1.S1_at	Hypothetical protein	-35.19
Mtr.11963.1.S1_s_at	Sulphate transporter	-35.11
Mtr.9273.1.S1_at	Benzoyl coenzyme A: benzyl alcohol benzoyl transferase	-35.10
Mtr.10982.1.S1_at	Serine/threonine protein kinase	-35.09
Mtr.36457.1.S1_at	RNA polymerase sigma subunit SigE	-35.05
Mtr.37609.1.S1_at	Hypothetical protein	-35.04
Mtr.20763.1.S1_s_at	ATP sulfurylase	-35.03
Mtr.40092.1.S1_at	Dehydroascorbate reductase	-34.99
Mtr.35838.1.S1_at	Nitrate transporter	-34.83
Mtr.44488.1.S1_at	Hypothetical protein	-34.55
Mtr.27575.1.S1_at	Nitrate transporter	-34.52

Mtr.37557.1.S1_at	Nine-cis-epoxycarotenoid dioxygenase1	-34.41
Mtr.33696.1.S1_at	4-coumarate-CoA ligase	-34.38
Msa.1752.1.S1_at	Hypothetical protein	-34.24
Mtr.17364.1.S1_at	D-galactoside/L-rhamnose binding SUEL lectin	-34.18
Mtr.37623.1.S1_at	3-beta-hydroxysteroiddehydrogenase	-34.17
Mtr.26473.1.S1_at	Isoamylase	-34.01
Mtr.22279.1.S1_at	Hypothetical protein	-34.00
Mtr.34693.1.S1_at	Hypothetical protein	-33.99
Mtr.40866.1.S1_at	Hydrolase-like protein	-33.82
Mtr.47266.1.S1_at	DNA-binding protein 4	-33.62
Mtr.34490.1.S1_at	Hypothetical protein	-33.61
Mtr.9780.1.S1_at	Subtilisin-like protease	-33.60
Mtr.44199.1.S1_at	Hypothetical protein	-33.56
Msa.2533.1.S1_at	Hypothetical protein	-33.22
Mtr.12421.1.S1_at	Hypothetical protein	-33.11
Mtr.40160.1.S1_s_at	Pyroline-5-carboxylate reductase	-33.09
Mtr.26044.1.S1_s_at	Circadian clock associated1	-33.08
Mtr.44732.1.S1_at	GDSL-motif lipase/hydrolase-like protein	-33.06
Mtr.20948.1.S1_s_at	Membrane located receptor-like protein	-33.01
Mtr.19806.1.S1_at	Hypothetical protein	-32.79
Msa.1609.1.S1_at	Hypothetical protein	-32.69
Mtr.39886.1.S1_at	Hypothetical protein	-32.64
Mtr.4723.1.S1_at	Hypothetical protein	-32.50
Msa.2939.1.S1_at	Hypothetical protein	-32.45
Mtr.3123.1.S1_at	Hypothetical protein	-32.41
Mtr.28829.1.S1_at	Hypothetical protein	-32.17
Mtr.37839.1.S1_at	Hypothetical protein	-32.15
Mtr.13595.1.S1_at	Lecithine cholesterol acyltransferase-like protein	-32.15
Mtr.12138.1.S1_at	Hypothetical protein	-32.12
Mtr.10630.1.S1_at	Nonspecific lipid-transfer protein 2	-32.02
Mtr.47629.1.S1_at	Aldo/keto reductase	-31.90
Mtr.21256.1.S1_at	Late embryogenesis abundant protein	-31.89
Mtr.13606.1.S1_at	Hypothetical protein	-31.85
Mtr.34779.1.S1_at	GDSL-motif lipase/hydrolase	-31.82
Mtr.31456.1.S1_at	FRO1 and FRO2-like protein	-31.64
Mtr.46512.1.S1_at	Alpha/beta-amyrin synthase	-31.57
Mtr.33577.1.S1_at	Starch branching enzyme I	-31.54
Mtr.41251.1.S1_at	Hypothetical protein	-31.46
Msa.1096.1.S1_at	Hypothetical protein	-31.37
Mtr.8799.1.S1_at	Raffinose synthase	-31.33
Mtr.6714.1.S1_at	Hypothetical protein	-31.27
Mtr.43262.1.S1_at	Hypothetical protein	-31.17
Mtr.24189.1.S1_s_at	Fatty acid desaturase	-31.08
Mtr.41363.1.S1_at	Immunophilin / FKBP-type peptidyl-prolyl cis-trans isomerase	-31.05
Mtr.40683.1.S1_at	Photosystem II protein W	-30.93
Mtr.10911.1.S1_at	Phenylpropanoid:glucosyltransferase 1	-30.92
Mtr.10039.1.S1_at	Hypothetical protein	-30.84
Mtr.21910.1.S1_at	Trypsin protein inhibitor 2	-30.82
Mtr.24508.1.S1_at	Hypothetical protein	-30.74
Mtr.38250.1.S1_at	Hypothetical protein	-30.64
Mtr.51074.1.S1_at	Inorganic pyrophosphatase	-30.60
Mtr.42339.1.S1_at	Hypothetical protein	-30.58
Mtr.25313.1.S1_at	Hypothetical protein	-30.56
Mtr.13434.1.S1_at	Peroxisomal membrane protein	-30.53

Mtr.34481.1.S1_at	Abnormal spindle-like protein	-30.52
Mtr.40691.1.S1_at	Lipoxygenase	-30.40
Mtr.10441.1.S1_at	mRNA-binding protein	-30.30
Msa.1822.1.S1_at	Hypothetical protein	-30.28
Mtr.7091.1.S1_at	Zinc-finger-like protein	-30.22
Mtr.6517.1.S1_at	Flavonoid 3'-hydroxylase	-30.14
Mtr.773.1.S1_s_at	LHY protein	-29.95
Mtr.1274.1.S1_at	Proline-rich protein	-29.94
Mtr.45559.1.S1_at	Receptor-like serine/threonine protein kinase ARK2	-29.88
Mtr.40246.1.S1_at	Hypothetical protein	-29.82
Msa.1854.1.S1_at	Hypothetical protein	-29.69
Mtr.18614.1.S1_at	Hypothetical protein	-29.45
Mtr.43911.1.S1_at	Hypothetical protein	-29.20
Mtr.42854.1.S1_at	Thioredoxin m	-29.11
Mtr.42567.1.S1_at	Phantastica transcription factor	-28.98
Mtr.1392.1.S1_s_at	Hypothetical protein	-28.98
Mtr.4580.1.S1_at	ABC transporter	-28.89
Mtr.11477.1.S1_at	PsbP protein	-28.74
Msa.1239.1.S1_at	Hypothetical protein	-28.65
Mtr.43628.1.S1_at	Isoflavonoid glucosyltransferase	-28.62
Mtr.21257.1.S1_at	Late embryogenesis abundant protein	-28.62
Mtr.42261.1.S1_at	Rubisco activase	-28.59
Mtr.9248.1.S1_at	Hypothetical protein	-28.53
Mtr.25652.1.S1_at	Cell-wall P4 protein	-28.49
Mtr.48150.1.S1_s_at	Hypothetical protein	-28.46
Mtr.37883.1.S1_at	Hypothetical protein	-28.31
Mtr.28616.1.S1_at	ABC transporter	-28.29
Mtr.41693.1.S1_at	CND41, chloroplast nucleoid DNA binding protein	-28.13
Mtr.12300.1.S1_at	Aminotransferase 2	-28.10
Mtr.50943.1.S1_s_at	Peptidase	-28.00
Mtr.41305.1.S1_at	CPRD49 protein	-28.00
Mtr.34717.1.S1_at	Disease resistance response protein	-27.97
Mtr.12445.1.S1_at	Hypothetical protein	-27.92
Mtr.31205.1.S1_at	Hypothetical protein	-27.91
Msa.1384.1.S1_at	Hypothetical protein	-27.88
Mtr.40620.1.S1_at	Hypothetical protein	-27.78
Mtr.8773.1.S1_s_at	Poly(A) polymerase	-27.78
Mtr.8977.1.S1_at	Pathogenesis-related protein 1	-27.66
Mtr.11524.1.S1_at	Hypothetical protein	-27.53
Mtr.40994.1.S1_at	ABC transporter	-27.45
Mtr.32213.1.S1_at	Nitrite transpor	-27.43
Mtr.51080.1.S1_at	Phospholipid/glycerol acyltransferase	-27.40
Mtr.42446.1.S1_at	Nitrate reductase	-27.37
Mtr.32479.1.S1_at	Phosphoribosylaminoimidazolecarboxamide formyltransferase	-27.34
Msa.1550.1.S1_at	Hypothetical protein	-27.27
Mtr.41275.1.S1_at	Kinesin-like protein	-27.24
Mtr.9185.1.S1_at	Prephenate dehydratase	-27.18
Mtr.45729.1.S1_s_at	Hypothetical protein	-27.16
Msa.2685.1.S1_at	Hypothetical protein	-27.11
Mtr.43589.1.S1_at	Protease Do-like 1	-27.10
Mtr.48146.1.S1_s_at	Boron transporter	-27.04
Mtr.34852.1.S1_at	Raucaffricine-O-beta-D-glucosidase	-26.96
Mtr.33459.1.S1_at	Hypothetical protein	-26.86
Mtr.2101.1.S1_at	Hypothetical protein	-26.68

Mtr.12736.1.S1_at	Hypothetical protein	-26.52
Mtr.36871.1.S1_at	Calcium-dependent protein kinase	-26.51
Mtr.47901.1.S1_x_at	Glyceraldehyde-3-phosphate dehydrogenase	-26.51
Mtr.3423.1.S1_at	Vesicular glutamate transporter-3	-26.49
Mtr.44988.1.S1_at	Zeaxanthin epoxidase	-26.49
Mtr.21054.1.S1_at	Mitochondrial transcription termination factor	-26.47
Mtr.45397.1.S1_at	Ankyrin repeat-like protein	-26.42
Mtr.16410.1.S1_at	Epoxide hydrolase	-26.28
Mtr.24085.1.S1_at	Hypothetical protein	-26.25
Mtr.41447.1.S1_at	Hypothetical protein	-26.24
Mtr.25633.1.S1_at	2-Cys peroxiredoxin	-26.23
Mtr.43701.1.S1_at	Thylakoid lumenal protein	-26.23
Mtr.39747.1.S1_at	UDP-glucose:flavonoid 3-O-glucosyltransferase	-26.21
Mtr.12720.1.S1_at	Lipoxygenase	-26.16
Mtr.33008.1.S1_at	Hypothetical protein	-26.02
Mtr.43727.1.S1_s_at	Squalene monooxygenase 1	-26.02
Mtr.7842.1.S1_at	Hypothetical protein	-26.01
Mtr.41722.1.S1_at	Hypothetical protein	-25.96
Mtr.44475.1.S1_at	Ultraviolet-B-repressible protein	-25.83
Mtr.11888.1.S1_at	Aldehyde dehydrogenase	-25.82
Mtr.37609.1.S1_s_at	Hypothetical protein	-25.80
Mtr.14762.1.S1_at	Flavoprotein monooxygenase	-25.68
Mtr.50758.1.S1_at	Rubredoxin-type Fe(Cys) <sub>4</sub> protein	-25.61
Msa.928.1.S1_at	Hypothetical protein	-25.56
Mtr.36842.1.S1_s_at	Nodulin 26-like protein	-25.51
Mtr.13567.1.S1_at	Hypothetical protein	-25.50
Msa.1363.1.S1_at	Hypothetical protein	-25.49
Mtr.42735.1.S1_at	Hypothetical protein	-25.47
Mtr.45292.1.S1_at	Hypothetical protein	-25.45
Mtr.14782.1.S1_at	2OG-Fe(II) oxygenase	-25.29
Mtr.12063.1.S1_at	Hypothetical protein	-25.03
Mtr.51399.1.S1_at	Hypothetical protein	-25.00
Mtr.33632.1.S1_s_at	Hypothetical protein	-24.98
Mtr.10972.1.S1_at	Hypothetical protein	-24.88
Msa.1838.1.S1_s_at	Hypothetical protein	-24.75
Mtr.21416.1.S1_at	Ribonuclease T2	-24.66
Mtr.10927.1.S1_at	Regulator of chromosome condensation-like protein	-24.66
Mtr.11236.1.S1_at	UDP-glucosyltransferase	-24.65
Mtr.33659.1.S1_at	Hypothetical protein	-24.61
Msa.1593.1.S1_at	Hypothetical protein	-24.60
Mtr.39712.1.S1_at	Rac GTPase activating protein 3	-24.53
Mtr.48892.1.S1_at	Hypothetical protein	-24.51
Mtr.27854.1.S1_at	NADP-dependent oxidoreductase P1	-24.46
Mtr.38370.1.S1_s_at	Hypothetical protein	-24.43
Mtr.10289.1.S1_at	SANT/MYB domain protein	-24.40
Mtr.12026.1.S1_at	Hypothetical protein	-24.36
Mtr.47901.1.S1_at	Glyceraldehyde-3-phosphate dehydrogenase	-24.36
Mtr.42925.1.S1_s_at	Ribulose biphosphate carboxylase/oxygenase activase	-24.32
Mtr.13393.1.S1_at	Hypothetical protein	-24.20
Msa.3042.1.S1_s_at	Hypothetical protein	-24.16
Mtr.38722.1.S1_at	Hypothetical protein	-24.11
Mtr.39425.1.S1_s_at	ATP-sulfurylase	-23.94
Mtr.36333.1.S1_at	Flavonoid 3'-hydroxylase	-23.89
Mtr.9624.1.S1_at	ABC transporter	-23.82

Msa.1549.1.S1_at	Hypothetical protein	-23.80
Mtr.42112.1.S1_at	Hypothetical protein	-23.79
Mtr.5633.1.S1_at	Esterase/lipase/thioesterase	-23.77
Mtr.46159.1.S1_at	bZIP transcription factor	-23.71
Mtr.1431.1.S1_at	Hypothetical protein	-23.62
Mtr.43350.1.S1_at	Hypothetical protein	-23.49
Mtr.10952.1.S1_at	Sulfate adenylyltransferase	-23.49
Mtr.43627.1.S1_at	Hypothetical protein	-23.40
Mtr.36690.1.S1_at	GH3-like protein	-23.39
Mtr.44534.1.S1_at	Hypothetical protein	-23.38
Mtr.2073.1.S1_at	Copper/topa quinone amine oxidase	-23.37
Msa.3048.1.S1_at	Hypothetical protein	-23.31
Mtr.10857.1.S1_at	MOLYBDENUM COFACTOR BIOSYNTHESIS PROTEIN C	-23.17
Mtr.10593.1.S1_at	Allene oxide cyclase	-23.13
Mtr.42369.1.S1_at	Hypothetical protein	-23.09
Mtr.49256.1.S1_at	Hypothetical protein	-23.07
Mtr.43295.1.S1_at	Hypothetical protein	-23.02
Mtr.22603.1.S1_at	Glyceraldehyde-3-phosphate dehydrogenase A	-22.93
Mtr.13996.1.S1_at	Hypothetical protein	-22.92
Mtr.12493.1.S1_at	Hypothetical protein	-22.88
Mtr.28243.1.S1_at	Hypothetical protein	-22.85
Mtr.14906.1.S1_at	Major intrinsic protein	-22.82
Mtr.43683.1.S1_at	Protein phosphatase 2C	-22.82
Mtr.38087.1.S1_at	Hyoscyamine 6 beta-hydroxylase	-22.72
Mtr.33723.1.S1_at	Hypothetical protein	-22.66
Mtr.37042.1.S1_at	Hypothetical protein	-22.64
Msa.3133.1.S1_at	Hypothetical protein	-22.60
Mtr.45551.1.S1_at	Hypothetical protein	-22.58
Mtr.11326.1.S1_at	Leaf senescence protein	-22.46
Mtr.12258.1.S1_at	Nonspecific lipid-transfer protein precursor (LTP)	-22.45
Mtr.29089.1.S1_s_at	Peroxidase	-22.45
Mtr.10881.1.S1_at	Hypothetical protein	-22.42
Mtr.48925.1.S1_at	Hypothetical protein	-22.42
Mtr.48595.1.S1_at	Hypothetical protein	-22.38
Mtr.15717.1.S1_at	Chlorophyll A-B binding protein	-22.35
Mtr.12842.1.S1_at	Hypothetical protein	-22.33
Mtr.20116.1.S1_s_at	Hypothetical protein	-22.31
Mtr.5369.1.S1_at	Nitrate transporter	-22.31
Mtr.37808.1.S1_at	Hypothetical protein	-22.27
Msa.1787.1.S1_at	Hypothetical protein	-22.27
Mtr.12056.1.S1_s_at	Cytochrome P450	-22.25
Mtr.33019.1.S1_at	Hypothetical protein	-22.25
Mtr.45032.1.S1_at	Squalene epoxidase	-22.24
Mtr.14112.1.S1_s_at	PAP fibrillin	-22.13
Mtr.37286.1.S1_at	Furostanol glycoside 26-O-beta-glucosidase	-22.08
Mtr.43994.1.S1_at	Hypothetical protein	-22.06
Mtr.34625.1.S1_at	Cytochrome P450 71A6	-21.98
Mtr.24823.1.S1_at	Hypothetical protein	-21.95
Mtr.31754.1.S1_at	Isoflavonoid glucosyltransferase	-21.92
Mtr.12499.1.S1_s_at	Hypothetical protein	-21.90
Mtr.41070.1.S1_at	Hypothetical protein	-21.79
Mtr.39524.1.S1_at	Circadian clock associated1	-21.55
Mtr.33666.1.S1_at	Hypothetical protein	-21.47
Mtr.33061.1.S1_at	Hypothetical protein	-21.40



Msa.1743.1.S1_at	Hypothetical protein	-21.36
Mtr.12414.1.S1_at	Apospory-associated protein C	-21.35
Mtr.25367.1.S1_at	12-oxophytodienoic acid 10, 11-reductase	-21.34
Mtr.27471.1.S1_s_at	Reversibly glycosylated protein	-21.34
Mtr.43296.1.S1_at	Hypothetical protein	-21.32
Mtr.20943.1.S1_at	Serine/threonine protein kinase	-21.31
Mtr.5804.1.S1_at	Hypothetical protein	-21.30
Mtr.32752.1.S1_s_at	Hypothetical protein	-21.29
Mtr.40149.1.S1_at	Thiazole biosynthetic enzyme	-21.28
Mtr.36794.1.S1_at	Hypothetical protein	-21.27
Mtr.22141.1.S1_at	Gycosyltransferase	-21.24
Mtr.34140.1.S1_at	CpABA1 protein	-21.16
Mtr.250.1.S1_at	Hypothetical protein	-21.15
Mtr.9477.1.S1_at	Hypothetical protein	-21.13
Mtr.31791.1.S1_at	Hypothetical protein	-21.07
Mtr.45376.1.S1_at	Nitrite transporter	-21.04
Mtr.13968.1.S1_at	GH3-like protein	-21.01
Mtr.18105.1.S1_at	Phosphoglycerate kinase	-20.98
Mtr.51059.1.S1_x_at	Cytochrome P450	-20.97
Mtr.6752.1.S1_at	10 kDa photosystem II polypeptide	-20.89
Mtr.4339.1.S1_at	Hypothetical protein	-20.87
Mtr.11921.1.S1_at	Thylakoid lumen protein	-20.83
Mtr.2703.1.S1_at	Hypothetical protein	-20.78
Mtr.40788.1.S1_at	Hypothetical protein	-20.77
Mtr.39821.1.S1_at	Hypothetical protein	-20.70
Mtr.49839.1.S1_x_at	Hypothetical protein	-20.66
Mtr.17318.1.S1_at	Magnesium-protoporphyrin IX monomethyl ester aerobic oxidative cyclase	-20.65
Mtr.6059.1.S1_at	bHLH protein	-20.63
Mtr.32922.1.S1_at	Amino acid transporter	-20.62
Mtr.20397.1.S1_at	Amidase, hydantoinase/carbamoylase	-20.59
Mtr.12374.1.S1_at	Protochlorophyllide reductase	-20.51
Mtr.14435.1.S1_at	Calcium-binding EF-hand protein	-20.50
Mtr.37731.1.S1_at	PWWP domain protein	-20.45
Mtr.37245.1.S1_at	Chlorophyll a-b binding protein 215	-20.38
Mtr.40249.1.S1_at	ATP synthase delta chain	-20.37
Mtr.42596.1.S1_at	LLS1-like protein	-20.34
Mtr.45179.1.S1_at	Malate dehydrogenase	-20.33
Mtr.5960.1.S1_s_at	Hypothetical protein	-20.31
Mtr.44505.1.S1_at	Glucosyltransferase-9	-20.30
Mtr.45678.1.S1_at	Hypothetical protein	-20.28
Mtr.32351.1.S1_s_at	Hypothetical protein	-20.28
Mtr.12964.1.S1_at	Hypothetical protein	-20.25
Mtr.13080.1.S1_at	Hypothetical protein	-20.22
Mtr.49764.1.S1_at	Auxin Efflux Carrier	-20.20
Mtr.32865.1.S1_at	Hypothetical protein	-20.17
Mtr.10013.1.S1_at	Hypothetical protein	-20.15
Mtr.13356.1.S1_at	Allene oxide cyclase C4	-20.12
Mtr.21614.1.S1_at	Hypothetical protein	-20.11
Mtr.37228.1.S1_at	UDP-glycose:flavonoid glycosyltransferase	-20.08
Mtr.4029.1.S1_at	CTF2A	-20.03
Mtr.13592.1.S1_at	Photomorphogenesis repressor protein	-20.02
Mtr.19622.1.S1_s_at	Hypothetical protein	-20.02
Mtr.52053.1.S1_at	Ribosomal protein L35	-19.98
Msa.3166.1.S1_at	Hypothetical protein	-19.96

Mtr.2675.1.S1_s_at	Transporter-like protein	-19.95
Mtr.12900.1.S1_at	Iron reductase	-19.93
Mtr.21616.1.S1_at	Hypothetical protein	-19.89
Msa.1297.1.S1_at	Hypothetical protein	-19.82
Mtr.41759.1.S1_at	Rac GTPase activating protein	-19.80
Msa.3003.1.S1_at	Hypothetical protein	-19.79
Mtr.40587.1.S1_at	Glyoxalase family protein	-19.76
Mtr.42178.1.S1_at	Starch synthase I	-19.72
Mtr.22814.1.S1_at	Hypothetical protein	-19.70
Mtr.41106.1.S1_at	Hypothetical protein	-19.65
Mtr.11085.1.S1_at	LHY protein	-19.60
Mtr.2893.1.S1_at	Hypothetical protein	-19.54
Mtr.31792.1.S1_at	Hypothetical protein	-19.54
Mtr.8772.1.S1_at	Poly(A) polymerase	-19.50
Mtr.18406.1.S1_at	Hypothetical protein	-19.42
Mtr.43335.1.S1_at	4-coumarate:coenzyme A ligase	-19.40
Mtr.43709.1.S1_at	Starch synthase isoform SS III	-19.40
Mtr.43899.1.S1_at	Hydrolase	-19.39
Mtr.8133.1.S1_at	Hypothetical protein	-19.38
Mtr.11048.1.S1_at	Hypothetical protein	-19.34
Msa.3147.1.S1_at	Hypothetical protein	-19.29
Mtr.45379.1.S1_at	Hypothetical protein	-19.22
Mtr.6869.1.S1_s_at	Glutamate receptor 3.6	-19.21
Mtr.25331.1.S1_at	Glutamate receptor 3.6	-19.18
Msa.1688.1.S1_at	Hypothetical protein	-19.15
Mtr.27388.1.S1_s_at	Rubisco activase	-19.11
Mtr.43610.1.S1_at	Hypothetical protein	-19.10
Msa.1086.1.S1_at	Hypothetical protein	-19.09
Mtr.27132.1.S1_s_at	Histidine-containing phosphotransfer protein	-19.09
Mtr.38869.1.S1_at	Hypothetical protein	-19.08
Mtr.38366.1.S1_at	Hypothetical protein	-19.03
Mtr.40236.1.S1_s_at	Hypothetical protein	-19.02
Mtr.43181.1.S1_at	Thiamine biosynthesis protein thiC	-19.00
Mtr.12236.1.S1_at	Bundle sheath defective protein 2	-18.89
Mtr.41265.1.S1_at	Glutathione S-transferase GST 10	-18.79
Mtr.9137.1.S1_at	Hypothetical protein	-18.79
Mtr.12060.1.S1_at	Annexin	-18.77
Mtr.52315.1.S1_at	Heat shock protein DnaJ	-18.75
Mtr.43381.1.S1_at	Hypothetical protein	-18.72
Mtr.44975.1.S1_at	ABC transporter	-18.66
Mtr.40981.1.S1_at	Cellulose synthase	-18.66
Mtr.35826.1.S1_at	Hypothetical protein	-18.64
Mtr.29595.1.S1_at	Hypothetical protein	-18.64
Mtr.28742.1.S1_at	Very-long-chain fatty acid condensing enzyme CUT1	-18.64
Mtr.22140.1.S1_at	Glycosyltransferase	-18.63
Msa.2771.1.S1_at	Hypothetical protein	-18.61
Mtr.9416.1.S1_at	Protease sppA	-18.57
Mtr.31754.1.S1_x_at	Isoflavonoid glucosyltransferase	-18.57
Msa.1732.1.S1_at	Hypothetical protein	-18.54
Msa.2424.1.S1_at	Hypothetical protein	-18.51
Mtr.27878.1.S1_at	Isoflavone reductase	-18.50
Mtr.9467.1.S1_at	Glutaredoxin	-18.49
Mtr.39011.1.S1_at	Auxin-binding protein ABP19b	-18.44
Mtr.7468.1.S1_at	10 kDa photosystem II polypeptide	-18.40

Mtr.40162.1.S1_at	Reversibly glycosylated protein	-18.32
Msa.1910.1.S1_at	Hypothetical protein	-18.28
Msa.1254.1.S1_at	Hypothetical protein	-18.28
Mtr.14011.1.S1_at	Hypothetical protein	-18.26
Msa.2800.1.S1_at	Hypothetical protein	-18.25
Mtr.928.1.S1_at	Hypothetical protein	-18.23
Mtr.44339.1.S1_at	Hypothetical protein	-18.21
Mtr.44611.1.S1_at	Hypothetical protein	-18.19
Mtr.47158.1.S1_at	Hypothetical protein	-18.14
Mtr.46292.1.S1_at	Malate dehydrogenase	-18.11
Mtr.34703.1.S1_at	Hypothetical protein	-18.09
Msa.1858.1.S1_x_at	Hypothetical protein	-18.03
Mtr.32336.1.S1_at	Cytochrome P450 71A21	-18.00
Mtr.14592.1.S1_at	Peroxidase	-17.98
Mtr.43197.1.S1_at	Hypothetical protein	-17.96
Mtr.34178.1.S1_s_at	Hypothetical protein	-17.90
Mtr.40761.1.S1_at	50S ribosomal protein L11	-17.90
Mtr.12821.1.S1_s_at	Phosphoglucomutase	-17.89
Mtr.32679.1.S1_at	Hypothetical protein	-17.87
Mtr.40814.1.S1_at	G4 protein (Chlorophyll synthetase)	-17.86
Mtr.41960.1.S1_at	Hypothetical protein	-17.85
Mtr.27827.1.S1_at	Hypothetical protein	-17.85
Mtr.12305.1.S1_at	Chlorophyll a/b-binding protein CP24	-17.85
Mtr.6039.1.S1_at	Hypothetical protein	-17.82
Mtr.31215.1.S1_s_at	Hypothetical protein	-17.81
Mtr.47283.1.S1_at	Hypothetical protein	-17.81
Mtr.1617.1.S1_s_at	Basic blue copper protein	-17.77
Mtr.9402.1.S1_at	Aldehyde dehydrogenase	-17.75
Mtr.43174.1.S1_at	Germin-like protein	-17.73
Mtr.20298.1.S1_at	Hypothetical protein	-17.64
Mtr.20201.1.S1_at	Na <sup>+</sup> /H <sup>+</sup> antiporter	-17.63
Mtr.31606.1.S1_at	Phosphoethanolamine N-methyltransferase	-17.63
Mtr.25945.1.S1_at	Myb-related	-17.62
Mtr.5305.1.S1_at	Cytochrome P450	-17.61
Mtr.5368.1.S1_at	Chlorophyll a/b-binding protein	-17.60
Mtr.3942.1.S1_at	Hypothetical protein	-17.59
Mtr.25013.1.S1_at	2'-hydroxy isoflavone/dihydroflavonol reductase	-17.54
Mtr.20149.1.S1_at	Hypothetical protein	-17.49
Mtr.39235.1.S1_at	Hypothetical protein	-17.44
Mtr.27885.1.S1_s_at	Hypothetical protein	-17.43
Mtr.20226.1.S1_at	UDP-glucuronosyl/UDP-glucosyltransferase	-17.43
Mtr.50516.1.S1_at	Deoxyribodipyrimidine photolyase	-17.43
Mtr.37345.1.S1_at	Subtilisin-like protease	-17.40
Mtr.40597.1.S1_at	Seed maturation protein PM39	-17.38
Mtr.2477.1.S1_at	Hypothetical protein	-17.29
Mtr.38712.1.S1_at	Hypothetical protein	-17.28
Msa.1916.1.S1_at	Hypothetical protein	-17.27
Mtr.40734.1.S1_at	Glucosyltransferase-14	-17.26
Mtr.47857.1.S1_at	1,4-alpha-D-glucan maltohydrolase	-17.24
Mtr.39379.1.S1_at	Amino acid permease 6	-17.21
Mtr.20033.1.S1_at	Hypothetical protein	-17.21
Mtr.6141.1.S1_s_at	Alpha-expansin	-17.20
Mtr.51345.1.S1_at	Hypothetical protein	-17.16
Mtr.28584.1.S1_s_at	Hypothetical protein	-17.13

Mtr.13959.1.S1_at	SHOOT1 protein	-17.13
Msa.1805.1.S1_at	Hypothetical protein	-17.10
Mtr.5468.1.S1_at	Hypothetical protein	-17.08
Mtr.8418.1.S1_s_at	Xylulose kinase	-17.07
Msa.1858.1.S1_at	Hypothetical protein	-17.04
Mtr.46511.1.S1_at	Alpha/beta-amyrin synthase	-17.03
Mtr.38923.1.S1_at	Cytoplasmic intermediate filament protein	-17.02
Mtr.26958.1.S1_at	Hypothetical protein	-17.01
Mtr.37608.1.S1_at	Hypothetical protein	-16.95
Mtr.9257.1.S1_at	Starch synthase I	-16.93
Mtr.41132.1.S1_at	Hypothetical protein	-16.81
Mtr.41919.1.S1_s_at	Hypothetical protein	-16.80
Msa.1760.1.S1_at	Hypothetical protein	-16.80
Mtr.20386.1.S1_s_at	D-tyrosyl-tRNA(Tyr) deacylase	-16.74
Mtr.13143.1.S1_at	Starch synthase isoform SS III	-16.72
Mtr.7544.1.S1_at	Isoflavonoid glucosyltransferase	-16.71
Msa.960.1.S1_at	Hypothetical protein	-16.69
Mtr.9205.1.S1_at	Hypothetical protein	-16.68
Mtr.40926.1.S1_at	Thioredoxin-like protein	-16.67
Mtr.2712.1.S1_at	Cyclin delta-3	-16.65
Mtr.10992.1.S1_at	Arabinogalactan protein	-16.65
Mtr.40558.1.S1_at	Short-chain alcohol dehydrogenase	-16.63
Mtr.27410.1.S1_at	Hypothetical protein	-16.60
Mtr.5490.1.S1_at	Hypothetical protein	-16.59
Mtr.41859.1.S1_at	FRO1 and FRO2-like protein	-16.54
Mtr.39251.1.S1_at	Translation initiation factor IF-2	-16.51
Mtr.44109.1.S1_at	Nitrate transporter	-16.51
Mtr.44533.1.S1_at	Hypothetical protein	-16.47
Mtr.30958.1.S1_at	Hypothetical protein	-16.45
Mtr.40755.1.S1_at	ERD7 protein	-16.40
Msa.2888.1.S1_at	Hypothetical protein	-16.35
Mtr.10840.1.S1_at	Hypothetical protein	-16.35
Mtr.5741.1.S1_s_at	Hypothetical protein	-16.34
Mtr.5648.1.S1_s_at	Enhanced disease susceptibility 5 (Eds5)	-16.30
Mtr.27399.1.S1_at	Small basic membrane integral protein	-16.26
Mtr.36999.1.S1_at	Photomorphogenesis repressor protein	-16.24
Mtr.31199.1.S1_s_at	Cytochrome P450	-16.20
Mtr.43316.1.S1_at	Symbiotic ammonium transporter	-16.20
Mtr.7085.1.S1_at	Fatty acid elongase	-16.17
Mtr.8591.1.S1_at	Hypothetical protein	-16.16
Mtr.51040.1.S1_s_at	Cytochrome b-245	-16.14
Mtr.32904.1.S1_s_at	Phosphoglycerate kinase	-16.11
Mtr.43509.1.S1_at	Hypothetical protein	-16.08
Mtr.32128.1.S1_at	Hypothetical protein	-16.07
Mtr.12899.1.S1_s_at	Hypothetical protein	-16.04
Mtr.11503.1.S1_at	Cold acclimation protein	-16.00
Mtr.10789.1.S1_at	Chlorophyll a oxygenase	-15.97
Mtr.42753.1.S1_at	Hypothetical protein	-15.95
Mtr.3259.1.S1_at	Hypothetical protein	-15.92
Mtr.27648.1.S1_at	Hypothetical protein	-15.88
Mtr.49977.1.S1_at	Transketolase	-15.88
Mtr.21135.1.S1_at	2OG-Fe(II) oxygenase	-15.87
Mtr.32939.1.S1_at	Hypothetical protein	-15.83
Mtr.20397.1.S1_s_at	Amidase, hydantoinase/carbamoylase	-15.81

Mtr.9262.1.S1_at	Hsc70 protein	-15.80
Mtr.7850.1.S1_s_at	Thaumatococcus-like protein	-15.79
Mtr.40232.1.S1_at	Geranylgeranyl hydrogenase	-15.78
Mtr.6717.1.S1_at	Acyl-activating enzyme 14	-15.75
Mtr.42070.1.S1_at	Geminivirus replication protein-interacting protein	-15.71
Mtr.39126.1.S1_at	Hypothetical protein	-15.71
Msa.1080.1.S1_at	Hypothetical protein	-15.68
Mtr.45013.1.S1_at	Hypothetical protein	-15.67
Msa.2550.1.S1_at	Hypothetical protein	-15.66
Mtr.40667.1.S1_at	Hypothetical protein	-15.59
Mtr.38550.1.S1_at	Subtilisin-like proteinase	-15.55
Mtr.6132.1.S1_s_at	Subtilisin-like protein protease	-15.50
Mtr.39017.1.S1_at	Hypothetical protein	-15.50
Mtr.43522.1.S1_at	Plastid-lipid associated protein PAP/fibrillin	-15.49
Mtr.38371.1.S1_at	Hypothetical protein	-15.47
Mtr.37517.1.S1_at	Basic blue protein	-15.47
Mtr.6877.1.S1_at	Drought responsive element binding protein	-15.47
Mtr.41702.1.S1_at	Hypothetical protein	-15.42
Mtr.51053.1.S1_at	Hypothetical protein	-15.41
Mtr.919.1.S1_s_at	Hypothetical protein	-15.41
Mtr.37463.1.S1_at	CesA2	-15.39
Mtr.8588.1.S1_at	Hypothetical protein	-15.39
Mtr.12779.1.S1_at	Photosystem II stability/assembly factor HCF136	-15.36
Mtr.37342.1.S1_at	Mannitol dehydrogenase	-15.32
Mtr.33645.1.S1_at	Lipoate-protein ligase	-15.32
Mtr.11387.1.S1_at	Hypothetical protein	-15.30
Mtr.28597.1.S1_at	Hypothetical protein	-15.28
Mtr.11416.1.S1_at	HMG-box transcription factor 3	-15.25
Mtr.8219.1.S1_at	Hypothetical protein	-15.22
Mtr.6551.1.S1_at	Hypothetical protein	-15.18
Msa.1943.1.S1_at	Hypothetical protein	-15.16
Mtr.51188.1.S1_at	Glycine hydroxymethyltransferase	-15.08
Mtr.9437.1.S1_at	Hypothetical protein	-15.07
Mtr.36889.1.S1_s_at	Hypothetical protein	-15.03
Mtr.43807.1.S1_at	Hypothetical protein	-14.97
Mtr.6155.1.S1_at	Protein kinase	-14.94
Msa.1307.1.S1_at	Hypothetical protein	-14.94
Mtr.18797.1.S1_at	Proteinase inhibitor I3	-14.86
Mtr.6738.1.S1_at	Receptor-like protein kinase	-14.86
Mtr.15561.1.S1_at	GCN5-related N-acetyltransferase	-14.82
Mtr.10192.1.S1_at	DREB-like protein	-14.81
Mtr.12806.1.S1_at	Ascorbate oxidase promoter-binding protein	-14.79
Mtr.6869.1.S1_at	Glutamate receptor 3.6	-14.79
Mtr.11302.1.S1_at	Glycosyl hydrolase	-14.79
Mtr.44317.1.S1_at	ApaG protein	-14.78
Mtr.4339.1.S1_s_at	Hypothetical protein	-14.71
Mtr.35254.1.S1_at	Short chain dehydrogenase/reductase	-14.69
Msa.1808.1.S1_at	Hypothetical protein	-14.69
Mtr.11082.1.S1_at	Perchloric acid soluble translation inhibitor protein	-14.65
Mtr.12582.1.S1_at	Hypothetical protein	-14.65
Mtr.15585.1.S1_at	Copper/Zinc superoxide dismutase	-14.63
Mtr.33572.1.S1_at	Glucose transporter HXT5	-14.62
Msa.2980.1.S1_at	Hypothetical protein	-14.62
Mtr.28817.1.S1_at	Hypothetical protein	-14.60

Mtr.32682.1.S1_at	Leucyl aminopeptidase	-14.60
Mtr.2077.1.S1_at	Hypothetical protein	-14.59
Mtr.17600.1.S1_at	Protein kinase	-14.55
Mtr.11295.1.S1_at	Transport protein	-14.47
Msa.1357.1.S1_at	Hypothetical protein	-14.46
Mtr.39718.1.S1_at	Hypothetical protein	-14.46
Mtr.8410.1.S1_at	Sulfate transporter	-14.44
Mtr.33861.1.S1_at	Hypothetical protein	-14.43
Mtr.14704.1.S1_at	Carbamoyl-phosphate synthase	-14.41
Mtr.11073.1.S1_at	Short-chain dehydrogenase Tic32	-14.40
Mtr.14524.1.S1_at	Glucose/ribitol dehydrogenase	-14.39
Mtr.48866.1.S1_at	Hypothetical protein	-14.39
Mtr.8811.1.S1_at	Hypothetical protein	-14.38
Mtr.34376.1.S1_at	Hypothetical protein	-14.33
Mtr.7197.1.S1_at	Inositol 1,3,4-trisphosphate 5/6-kinase	-14.32
Mtr.52150.1.S1_at	UTP-glucose-1-phosphate uridylyltransferase	-14.31
Mtr.44805.1.S1_at	Hypothetical protein	-14.29
Mtr.45039.1.S1_at	Peptidylprolyl isomerase	-14.28
Mtr.1747.1.S1_at	Hypothetical protein	-14.23
Mtr.43077.1.S1_at	Hypothetical protein	-14.22
Mtr.42306.1.S1_at	Hypothetical protein	-14.21
Mtr.46164.1.S1_s_at	Hypothetical protein	-14.21
Mtr.44854.1.S1_at	Hypothetical protein	-14.20
Mtr.37749.1.S1_at	Hypothetical protein	-14.20
Mtr.9046.1.S1_at	GAST1 protein	-14.19
Mtr.38889.1.S1_at	Metacaspase 3	-14.18
Mtr.50822.1.S1_x_at	Chlorophyll A-B binding protein	-14.17
Msa.3192.1.S1_at	Hypothetical protein	-14.15
Mtr.39266.1.S1_at	Cation diffusion facilitator 9	-14.14
Mtr.38438.1.S1_at	Hypothetical protein	-14.14
Mtr.38471.1.S1_at	Ring finger protein	-14.10
Msa.1471.1.S1_at	Hypothetical protein	-14.10
Mtr.42897.1.S1_at	Ycf23 protein	-14.10
Mtr.19992.1.S1_at	Phytochrome kinase substrate 1	-14.09
Mtr.33891.1.S1_at	Hypothetical protein	-14.09
Msa.1744.1.S1_at	Hypothetical protein	-14.01
Mtr.9686.1.S1_at	Beta-1,3-glucanase	-14.00
Mtr.26499.1.S1_at	Lateral organ boundaries (LOB) domain family protein	-13.96
Mtr.15459.1.S1_at	Major intrinsic protein	-13.94
Mtr.35044.1.S1_at	Nine-cis-epoxycarotenoid dioxygenase2	-13.93
Mtr.49786.1.S1_x_at	Glycosyl hydrolases family 17	-13.93
Mtr.16202.1.S1_at	Esterase/lipase/thioesterase	-13.92
Mtr.33004.1.S1_at	Hypothetical protein	-13.91
Mtr.33489.1.S1_at	ABC transporter	-13.89
Mtr.39715.1.S1_at	Isopiperitenone reductase	-13.86
Mtr.38724.1.S1_at	Hypothetical protein	-13.85
Mtr.50016.1.S1_at	Hypothetical protein	-13.84
Mtr.18579.1.S1_at	Myb, DNA-binding	-13.84
Mtr.39302.1.S1_at	Translation initiation factor IF-2	-13.76
Mtr.44703.1.S1_at	Hypothetical protein	-13.76
Msa.1547.1.S1_at	Hypothetical protein	-13.76
Mtr.38356.1.S1_s_at	Hypothetical protein	-13.73
Mtr.27619.1.S1_at	Hypothetical protein	-13.72
Mtr.12770.1.S1_at	Phosphoglucomutase	-13.70

Mtr.13545.1.S1_at	Hypothetical protein	-13.66
Mtr.41958.1.S1_at	Hypothetical protein	-13.64
Mtr.1639.1.S1_at	Hypothetical protein	-13.63
Mtr.20515.1.S1_at	Ferrochelatase	-13.61
Mtr.42075.1.S1_at	Cytochrome P450	-13.61
Mtr.13134.1.S1_at	Hypothetical protein	-13.59
Mtr.42019.1.S1_at	ClpB heat shock protein	-13.59
Mtr.32665.1.S1_s_at	Myo-inositol-1-phosphate synthase	-13.57
Msa.1850.1.S1_at	Hypothetical protein	-13.56
Mtr.27875.1.S1_at	Hypothetical protein	-13.56
Mtr.43498.1.S1_at	Hypothetical protein	-13.55
Mtr.4983.1.S1_at	Hypothetical protein	-13.53
Mtr.12256.1.S1_at	Nonspecific lipid-transfer protein precursor (LTP)	-13.50
Msa.3182.1.S1_at	Hypothetical protein	-13.49
Msa.1421.1.S1_at	Hypothetical protein	-13.46
Mtr.41524.1.S1_at	Sulfate transporter	-13.46
Mtr.31300.1.S1_at	Disease resistance response protein	-13.45
Mtr.11662.1.S1_at	Hypothetical protein	-13.43
Mtr.8575.1.S1_at	Glucosyltransferase-13	-13.42
Mtr.12199.1.S1_at	Ascorbate oxidase promoter-binding protein	-13.41
Mtr.8517.1.S1_at	Mannitol dehydrogenase	-13.41
Mtr.38850.1.S1_at	Hypothetical protein	-13.39
Mtr.33674.1.S1_s_at	Glutamyl-tRNA reductase 1	-13.34
Mtr.8972.1.S1_at	Hypothetical protein	-13.25
Mtr.8900.1.S1_at	Hypothetical protein	-13.25
Mtr.29086.1.S1_at	Hypothetical protein	-13.24
Msa.3188.1.S1_at	Hypothetical protein	-13.23
Mtr.41681.1.S1_at	Phosphoglycerate kinase	-13.22
Mtr.15285.1.S1_at	Myo-inositol-1-phosphate synthase	-13.22
Mtr.29826.1.S1_at	Hypothetical protein	-13.21
Mtr.21718.1.S1_at	Leucine-rich repeat protein	-13.21
Mtr.42914.1.S1_x_at	Ribulose 1,5-bisphosphate carboxylase small subunit	-13.20
Mtr.44535.1.S1_at	ClpB heat shock protein	-13.17
Mtr.41840.1.S1_at	Cation diffusion facilitator 10	-13.17
Mtr.46740.1.S1_at	Hypothetical protein	-13.12
Mtr.48959.1.S1_at	Flavoprotein pyridine nucleotide cytochrome reductase	-13.10
Mtr.5325.1.S1_at	Hypothetical protein	-13.09
Mtr.45561.1.S1_at	4-coumarate-CoA ligase-like protein	-13.08
Mtr.27132.1.S1_at	Histidine-containing phosphotransfer protein	-13.06
Mtr.28079.1.S1_at	Hypothetical protein	-13.02
Msa.2629.1.S1_at	Hypothetical protein	-13.01
Mtr.32723.1.S1_at	Formiminotransferase-cyclodeaminase	-12.98
Mtr.33044.1.S1_s_at	Hypothetical protein	-12.98
Mtr.34177.1.S1_at	Hypothetical protein	-12.96
Mtr.5651.1.S1_at	Hypothetical protein	-12.95
Mtr.28166.1.S1_s_at	Dihydrolipoamide Dehydrogenase	-12.95
Mtr.11364.1.S1_at	Cytochrome P450	-12.95
Mtr.45068.1.S1_at	Hypothetical protein	-12.94
Mtr.37335.1.S1_at	Chlorophyll a/b-binding protein	-12.94
Mtr.15109.1.S1_s_at	Hypothetical protein	-12.93
Mtr.2086.1.S1_at	Hypothetical protein	-12.91
Mtr.26786.1.S1_at	Hypothetical protein	-12.91
Msa.1109.1.S1_at	Hypothetical protein	-12.90
Mtr.13330.1.S1_at	Hypothetical protein	-12.87

Mtr.5783.1.S1_at	Flavin containing monooxygenase 3	-12.87
Mtr.15413.1.S1_at	Haloacid dehalogenase/epoxide hydrolase	-12.86
Mtr.38984.1.S1_at	Hypothetical protein	-12.85
Mtr.43037.1.S1_at	Glyoxysomal malate dehydrogenase	-12.84
Msa.1749.1.S1_at	Hypothetical protein	-12.84
Mtr.21762.1.S1_s_at	Hypothetical protein	-12.79
Mtr.22693.1.S1_s_at	Hypothetical protein	-12.78
Msa.1101.1.S1_at	Hypothetical protein	-12.77
Mtr.13053.1.S1_s_at	Uroporphyrin III methylase	-12.75
Mtr.15923.1.S1_at	Peptidylprolyl isomerase, FKBP-type	-12.75
Mtr.4716.1.S1_at	Nitrite transport protein	-12.75
Mtr.17489.1.S1_at	Hypothetical protein	-12.74
Mtr.18086.1.S1_at	RNA-directed DNA polymerase	-12.73
Mtr.35894.1.S1_at	Hypothetical protein	-12.72
Mtr.8670.1.S1_at	Hypothetical protein	-12.71
Mtr.39411.1.S1_at	Sulfate transporter 3.3	-12.67
Mtr.11332.1.S1_at	Hypothetical protein	-12.67
Mtr.15310.1.S1_at	Fatty acid desaturase	-12.65
Mtr.33113.1.S1_at	Hypothetical protein	-12.63
Mtr.18220.1.S1_s_at	Hypothetical protein	-12.61
Mtr.40204.1.S1_at	Aldehyde dehydrogenase 1	-12.61
Mtr.40710.1.S1_at	Malate dehydrogenase	-12.61
Mtr.848.1.S1_s_at	Hypothetical protein	-12.58
Mtr.26042.1.S1_at	Hypothetical protein	-12.58
Mtr.48548.1.S1_at	Deoxyxylulose-5-phosphate synthase	-12.56
Mtr.19517.1.S1_at	Ribulose biphosphate carboxylase	-12.56
Mtr.19562.1.S1_at	Zn-finger, RING	-12.55
Mtr.43200.1.S1_at	Adenosine 5'-phosphosulfate reductase	-12.55
Mtr.51819.1.S1_at	Hypothetical protein	-12.53
Sme.4919.1.S1_at	Hypothetical protein	-12.53
Mtr.38552.1.S1_s_at	Hypothetical protein	-12.50
Mtr.39104.1.S1_at	Xylulose kinase	-12.46
Mtr.11001.1.S1_at	Hypothetical protein	-12.44
Msa.2871.1.S1_at	Hypothetical protein	-12.43
Mtr.50743.1.S1_at	Hypothetical protein	-12.42
Mtr.34745.1.S1_at	Thylakoid lumenal 17.9 kDa protein	-12.38
Mtr.34827.1.S1_at	Hypothetical protein	-12.37
Mtr.37681.1.S1_s_at	Hypothetical protein	-12.37
Mtr.42595.1.S1_at	Hypothetical protein	-12.37
Mtr.33011.1.S1_at	Copper transport protein	-12.36
Mtr.18705.1.S1_at	Peptidase C1A	-12.32
Mtr.50874.1.S1_at	Calcium-binding EF-hand protein	-12.31
Mtr.8715.1.S1_at	UDP-glucose glucosyltransferase	-12.29
Mtr.12821.1.S1_at	Phosphoglucomutase	-12.28
Mtr.25657.1.S1_at	Cell wall protein	-12.27
Mtr.41129.1.S1_s_at	Hypothetical protein	-12.27
Mtr.1814.1.S1_at	RING-H2 zinc finger protein RHA4a	-12.26
Mtr.33495.1.S1_at	Hypothetical protein	-12.25
Mtr.33532.1.S1_at	Kinesin heavy chain	-12.25
Mtr.43503.1.S1_at	Hypothetical protein	-12.23
Mtr.11556.1.S1_at	Carbohydrate oxidase	-12.23
Mtr.39352.1.S1_at	Hypothetical protein	-12.21
Msa.3102.1.S1_x_at	Hypothetical protein	-12.19
Mtr.33622.1.S1_at	Dehydration-responsive family protein	-12.19



Mtr.33700.1.S1_at	Hypothetical protein	-12.17
Msa.1818.1.S1_at	Hypothetical protein	-12.17
Mtr.9742.1.S1_at	Geminivirus replication protein-interacting protein	-12.16
Mtr.23672.1.S1_at	51 kDa seed maturation protein	-12.16
Mtr.13744.1.S1_at	Transmembrane transport protein	-12.07
Mtr.33476.1.S1_at	Receptor protein kinase	-12.07
Mtr.36454.1.S1_at	Hypothetical protein	-12.05
Msa.2727.1.S1_at	Hypothetical protein	-12.03
Mtr.13059.1.S1_at	Hypothetical protein	-12.02
Mtr.13053.1.S1_at	Urophorphyrin III methylase	-12.02
Mtr.37855.1.S1_at	MAP kinase	-12.01
Mtr.38437.1.S1_at	Hypothetical protein	-12.00
Mtr.51445.1.S1_x_at	Hypothetical protein	-11.98
Mtr.10206.1.S1_at	Pentatricopeptide (PPR) repeat-containing protein	-11.97
Mtr.51423.1.S1_at	Sugar transporter	-11.97
Mtr.6362.1.S1_at	Aminopeptidase 2	-11.96
Mtr.25983.1.S1_s_at	Pectinesterase 2	-11.90
Msa.1191.1.S1_at	Hypothetical protein	-11.90
Mtr.5845.1.S1_at	Hypothetical protein	-11.90
Mtr.39095.1.S1_at	Alcohol oxidase	-11.89
Mtr.41063.1.S1_at	Nine-cis-epoxycarotenoid dioxygenase4	-11.87
Mtr.48945.1.S1_s_at	Ferrochelatase	-11.86
Mtr.38798.1.S1_at	Hypothetical protein	-11.85
Mtr.42326.1.S1_s_at	Hypothetical protein	-11.85
Mtr.9418.1.S1_s_at	Pathogenesis-related protein	-11.85
Mtr.13975.1.S1_at	Ycf23 protein	-11.84
Mtr.8362.1.S1_at	Hypothetical protein	-11.80
Mtr.42918.1.S1_at	Protein disulfide isomerase	-11.80
Msa.2278.1.S1_at	Hypothetical protein	-11.79
Mtr.44654.1.S1_at	Hypothetical protein	-11.79
Mtr.15310.1.S1_s_at	Fatty acid desaturase	-11.78
Mtr.33529.1.S1_at	Hypothetical protein	-11.77
Mtr.48351.1.S1_at	Proteinase inhibitor 20	-11.77
Mtr.21341.1.S1_at	Glutamyl-tRNA reductase	-11.75
Mtr.11548.1.S1_at	Starch synthase isoform SS III	-11.75
Mtr.33522.1.S1_at	Hypothetical protein	-11.74
Mtr.5344.1.S1_at	Cellulose synthase	-11.72
Mtr.12260.1.S1_at	2-Cys peroxiredoxin	-11.70
Mtr.43282.1.S1_at	S-adenosyl-L-methionine: 2,7,4'-trihydroxyisoflavanone 4'-O-methyltransferase	-11.70
Mtr.50015.1.S1_at	Hypothetical protein	-11.67
Mtr.38432.1.S1_at	Temperature stress-induced lipocalin	-11.66
Mtr.43717.1.S1_at	Hypothetical protein	-11.65
Mtr.35794.1.S1_at	Myo-inositol 1-phosphate synthase	-11.60
Mtr.33765.1.S1_s_at	Hypothetical protein	-11.59
Msa.1095.1.S1_at	Hypothetical protein	-11.57
Mtr.19902.1.S1_at	Isochorismate synthases	-11.55
Mtr.39370.1.S1_at	Hypothetical protein	-11.55
Mtr.48272.1.S1_at	Glycine dehydrogenase	-11.55
Mtr.13458.1.S1_at	3(2),5-BISPHOSPHATE NUCLEOTIDASE-like protein	-11.54
Mtr.41202.1.S1_at	Hypothetical protein	-11.54
Mtr.40443.1.S1_at	50S ribosomal protein L13	-11.47
Mtr.5418.1.S1_at	Magnesium transporter protein	-11.46
Mtr.11931.1.S1_at	Long chain acyl-CoA synthetase	-11.42
Mtr.10301.1.S1_s_at	18S ribosomal RNA	-11.39

Mtr.41906.1.S1_at	Hypothetical protein	-11.37
Mtr.37783.1.S1_at	Epoxide hydrolase	-11.35
Mtr.11791.1.S1_at	Hypothetical protein	-11.32
Mtr.33484.1.S1_s_at	Hypothetical protein	-11.31
Mtr.18604.1.S1_at	Hypothetical protein	-11.29
Mtr.45935.1.S1_at	Hypothetical protein	-11.29
Mtr.47934.1.S1_at	Amino acid permease 6 (AAP6)	-11.23
Mtr.40697.1.S1_at	Putativepod-specific dehydrogenase SAC25	-11.23
Mtr.40730.1.S1_at	Thylakoid lumenal 16.5 kDa protein	-11.22
Mtr.46511.1.S1_x_at	Alpha/beta-amyrin synthase	-11.20
Mtr.44020.1.S1_at	Brn1-like protein	-11.19
Mtr.46060.1.S1_at	Hypothetical protein	-11.19
Mtr.38392.1.S1_at	ClpB heat shock protein	-11.18
Msa.2820.1.S1_at	Hypothetical protein	-11.18
Mtr.10088.1.S1_at	Hypothetical protein	-11.18
Mtr.34189.1.S1_at	Hypothetical protein	-11.17
Mtr.1268.1.S1_at	Hypothetical protein	-11.15
Msa.1161.1.S1_at	Hypothetical protein	-11.14
Mtr.1231.1.S1_s_at	Omega-6 fatty acid desaturase	-11.13
Mtr.5039.1.S1_at	Receptor protein	-11.13
Mtr.41940.1.S1_at	Hypothetical protein	-11.12
Msa.2646.1.S1_at	Hypothetical protein	-11.11
Msa.858.1.S1_at	Hypothetical protein	-11.10
Mtr.12983.1.S1_at	Isp4 like protein	-11.09
Mtr.34700.1.S1_at	Tryptophan synthase beta chain 1	-11.08
Mtr.22897.1.S1_s_at	Polygalacturonase	-11.08
Mtr.9582.1.S1_at	Glycogen(starch) synthase	-11.07
Msa.3052.1.S1_at	Hypothetical protein	-11.07
Mtr.29995.1.S1_at	Hypothetical protein	-11.07
Mtr.875.1.S1_s_at	Thioredoxin x	-11.02
Mtr.42253.1.S1_at	Hypothetical protein	-11.00
Mtr.1429.1.S1_s_at	Hypothetical protein	-10.99
Mtr.20473.1.S1_at	Hypothetical protein	-10.98
Mtr.11668.1.S1_at	Hypothetical protein	-10.96
Mtr.5358.1.S1_at	Cellulose synthase	-10.96
Mtr.44986.1.S1_at	Acytransferase-like protein	-10.94
Mtr.42587.1.S1_at	Heat shock transcription factor	-10.92
Mtr.12259.1.S1_at	Rubisco activase	-10.92
Mtr.24070.1.S1_at	Plastid-lipid associated protein PAP/fibrillin family	-10.92
Mtr.41590.1.S1_at	Hypothetical protein	-10.90
Mtr.19310.1.S1_s_at	N-acetyl-gamma-glutamyl-phosphate reductase	-10.90
Mtr.44282.1.S1_s_at	THA4 protein	-10.89
Mtr.37780.1.S1_at	Alpha-glucan phosphorylase	-10.88
Mtr.40444.1.S1_at	Hypothetical protein	-10.88
Mtr.28722.1.S1_at	Peptide transporter	-10.85
Mtr.41751.1.S1_at	Hypothetical protein	-10.84
Mtr.16188.1.S1_at	Hypothetical protein	-10.84
Msa.3102.1.S1_at	Hypothetical protein	-10.83
Mtr.13843.1.S1_at	Hypothetical protein	-10.82
Mtr.17233.1.S1_at	Hypothetical protein	-10.80
Mtr.44543.1.S1_at	Transmembrane transport protein	-10.80
Mtr.10480.1.S1_at	Glutamine synthetase	-10.79
Mtr.5768.1.S1_at	Tab2 protein	-10.78
Mtr.38433.1.S1_at	Hypothetical protein	-10.75

Mtr.15109.1.S1_at	Hypothetical protein	-10.75
Mtr.11664.1.S1_at	MYB transcription factor	-10.74
Mtr.5646.1.S1_at	Glutathione S-transferase	-10.73
Mtr.41073.1.S1_at	FPF1 protein	-10.72
Mtr.8920.1.S1_at	2-oxoglutarate/malate translocator	-10.72
Mtr.15051.1.S1_s_at	Hypothetical protein	-10.70
Mtr.13956.1.S1_at	2-oxoglutarate/malate translocator	-10.69
Mtr.45404.1.S1_at	Glycine/D-amino acid oxidases	-10.69
Mtr.12884.1.S1_at	Thioredoxin x	-10.69
Mtr.40462.1.S1_at	Hypothetical protein	-10.68
Mtr.10889.1.S1_at	Hypothetical protein	-10.67
Mtr.38676.1.S1_at	Methyltransferase	-10.67
Mtr.23337.1.S1_at	Nonphototrophic hypocotyl 1b	-10.66
Mtr.39379.1.S1_s_at	Amino acid permease 6	-10.63
Mtr.50822.1.S1_at	Chlorophyll A-B binding protein	-10.62
Mtr.41868.1.S1_at	Tryptophan synthase beta chain 1	-10.61
Mtr.17765.1.S1_at	TGF-beta receptor	-10.58
Mtr.50035.1.S1_at	Hypothetical protein	-10.57
Mtr.42933.1.S1_s_at	Nonspecific lipid-transfer protein precursor	-10.56
Mtr.42982.1.S1_at	Carbonic anhydrase	-10.55
Mtr.41668.1.S1_at	Ribulose-bisphosphate carboxylase activase large isoform protein	-10.55
Mtr.38283.1.S1_at	Hypothetical protein	-10.54
Msa.1928.1.S1_at	Hypothetical protein	-10.52
Mtr.48721.1.S1_at	Cytochrome c	-10.50
Mtr.25494.1.S1_at	Galactinol synthase	-10.50
Mtr.41054.1.S1_at	UDP-glucose glucosyltransferase	-10.48
Mtr.26672.1.S1_s_at	Hypothetical protein	-10.47
Mtr.6694.1.S1_at	Na/Ca,K-exchanger-like protein	-10.44
Mtr.34902.1.S1_s_at	Phosphoenolpyruvate carboxylase	-10.44
Mtr.12909.1.S1_at	Hypothetical protein	-10.44
Mtr.43681.1.S1_at	CYP1	-10.43
Mtr.32760.1.S1_at	Hypothetical protein	-10.41
Msa.3105.1.S1_at	Hypothetical protein	-10.41
Mtr.28238.1.S1_at	Subtilisin-like protease	-10.40
Msa.1143.1.S1_s_at	Hypothetical protein	-10.39
Msa.1655.1.S1_at	Hypothetical protein	-10.39
Mtr.24929.1.S1_at	Hypothetical protein	-10.39
Mtr.38458.1.S1_at	FKBP-type peptidyl-prolyl cis-trans isomerase 2	-10.38
Mtr.20818.1.S1_at	Xylulose kinase	-10.38
Mtr.37298.1.S1_at	Cytochrome P450	-10.36
Mtr.35945.1.S1_at	UDP-glycose:flavonoid glycosyltransferase	-10.35
Mtr.42315.1.S1_at	Starch synthase isoform SS III	-10.34
Mtr.37930.1.S1_at	Hypothetical protein	-10.32
Msa.989.1.S1_s_at	Hypothetical protein	-10.31
Mtr.41089.1.S1_at	Hypothetical protein	-10.30
Mtr.10485.1.S1_at	Glucose-6-phosphate isomerase	-10.28
Mtr.44724.1.S1_at	Anthocyanin acyltransferase	-10.28
Mtr.37389.1.S1_at	Triose phosphate/phosphate translocator	-10.28
Mtr.41162.1.S1_at	Hypothetical protein	-10.26
Mtr.21118.1.S1_at	Hypothetical protein	-10.25
Mtr.32529.1.S1_at	Transcription factor	-10.20
Mtr.12543.1.S1_at	Early nodulin-like protein 2	-10.17
Mtr.44653.1.S1_at	Myb-related transcription activator	-10.17
Mtr.19267.1.S1_at	Photosystem I protein PsuD	-10.16

Mtr.2960.1.S1_at	Magnesium transporter protein	-10.14
Msa.1508.1.S1_at	Hypothetical protein	-10.14
Mtr.24883.1.S1_at	Hypothetical protein	-10.13
Mtr.9192.1.S1_at	Putativedisease resistance protein	-10.12
Mtr.34741.1.S1_at	3(2),5-BISPHOSPHATE NUCLEOTIDASE	-10.11
Mtr.7329.1.S1_at	Ribulose-1,5-bisphosphate carboxylase small subunit	-10.09
Mtr.12448.1.S1_at	IAA-Ala hydrolase (IAR3)	-10.09
Msa.1640.1.S1_at	Hypothetical protein	-10.08
Mtr.17357.1.S1_at	Hypothetical protein	-10.07
Mtr.5120.1.S1_at	Hypothetical protein	-10.07
Mtr.11734.1.S1_at	Sulfate transporter 2.1	-10.04
Mtr.14356.1.S1_at	Photosystem I reaction centre subunit IV/PsaE	-10.03
Mtr.8730.1.S1_at	Hypothetical protein	-10.02
Mtr.6746.1.S1_s_at	LEM3 (Ligand-effect modulator 3)	-10.02
Mtr.43527.1.S1_at	Hypothetical protein	-10.00
Mtr.34711.1.S1_at	C-type cytochrome biogenesis protein	-9.99
Mtr.41079.1.S1_at	NADH dehydrogenase subunit 1	-9.98
Mtr.12422.1.S1_at	Ferredoxin-dependent glutamate synthase	-9.97
Mtr.42033.1.S1_at	Hypothetical protein	-9.96
Mtr.45384.1.S1_at	Hypothetical protein	-9.96
Mtr.39387.1.S1_at	DCL protein	-9.96
Mtr.39699.1.S1_at	Hypothetical protein	-9.93
Mtr.39164.1.S1_at	Hypothetical protein	-9.91
Mtr.36996.1.S1_at	Hypothetical protein	-9.91
Mtr.9952.1.S1_at	Hypothetical protein	-9.91
Mtr.32580.1.S1_at	Alpha-mannosidase	-9.90
Mtr.37643.1.S1_at	NADP-dependent oxidoreductase P2	-9.88
Mtr.24731.1.S1_at	Hypothetical protein	-9.88
Mtr.33417.1.S1_at	MRP-like ABC transporter	-9.88
Mtr.3511.1.S1_at	Anthranilate N-hydroxycinnamoyl/benzoyltransferase	-9.88
Mtr.2057.1.S1_s_at	Glutamate/malate translocator	-9.86
Mtr.34799.1.S1_at	Hypothetical protein	-9.85
Mtr.50122.1.S1_at	Hypothetical protein	-9.82
Mtr.11129.1.S1_at	Hypothetical protein	-9.82
Mtr.12203.1.S1_at	Ribulose 1,5-bisphosphate carboxylase small subunit	-9.82
Mtr.12846.1.S1_at	MAP3K-like protein kinase	-9.81
Msa.1377.1.S1_at	Hypothetical protein	-9.78
Mtr.27359.1.S1_at	Isoleucyl-tRNA synthetase	-9.78
Mtr.18566.1.S1_at	Pyruvate kinase	-9.78
Mtr.44971.1.S1_at	Hypothetical protein	-9.75
Mtr.40422.1.S1_at	Dihydrolipoyl dehydrogenase	-9.73
Mtr.33745.1.S1_s_at	Hypothetical protein	-9.73
Mtr.24793.1.S1_at	Blight resistance protein RGA1	-9.73
Mtr.37427.1.S1_at	Aquaporin TIP4.1 (Tonoplast intrinsic protein 4.1)	-9.73
Mtr.9757.1.S1_at	Quinolate phosphoribosyltransferase	-9.72
Mtr.7389.1.S1_at	Yippee-like protein	-9.72
Mtr.44198.1.S1_at	Hypothetical protein	-9.71
Mtr.30762.1.S1_at	Anthocyanin acyltransferase	-9.70
Mtr.42326.1.S1_at	Hypothetical protein	-9.70
Mtr.5135.1.S1_at	Protein kinase	-9.70
Mtr.27055.1.S1_s_at	Plastid RNA polymerase sigma-subunit	-9.69
Mtr.43061.1.S1_s_at	GTP-binding protein TypA	-9.69
Mtr.49274.1.S1_at	Cupredoxin	-9.68
Mtr.40347.1.S1_at	Omega-3 fatty acid desaturase	-9.67

Mtr.44539.1.S1_at	Ent-kaurenoic acid oxidase	-9.67
Mtr.12188.1.S1_at	Hypothetical protein	-9.67
Mtr.13898.1.S1_at	GPI-anchored protein	-9.65
Mtr.44897.1.S1_at	Hypothetical protein	-9.60
Msa.1495.1.S1_at	Hypothetical protein	-9.59
Mtr.26801.1.S1_a_at	Hypothetical protein	-9.57
Mtr.17305.1.S1_at	Peptidase S41	-9.57
Mtr.39782.1.S1_at	Ppib protein	-9.55
Mtr.2103.1.S1_at	Hypothetical protein	-9.54
Mtr.31624.1.S1_at	Hypothetical protein	-9.54
Mtr.525.1.S1_at	Hypothetical protein	-9.53
Mtr.45133.1.S1_at	Amine oxidase	-9.53
Mtr.7520.1.S1_at	Hypothetical protein	-9.51
Mtr.44150.1.S1_at	Myristoyl-acyl carrier protein thioesterase	-9.50
Mtr.41860.1.S1_at	Leucine-rich repeat receptor-like protein kinase 1	-9.49
Mtr.47369.1.S1_at	ABC transporter	-9.45
Mtr.9168.1.S1_at	Hypothetical protein	-9.45
Mtr.25951.1.S1_at	Hypothetical protein	-9.44
Mtr.30196.1.S1_at	Salicylic acid carboxyl methyltransferase	-9.42
Mtr.50952.1.S1_at	Ribosomal protein L9	-9.40
Mtr.44491.1.S1_at	Hypothetical protein	-9.38
Mtr.21678.1.S1_at	YABBY protein	-9.35
Mtr.37550.1.S1_at	4-alpha-glucanotransferase	-9.35
Mtr.22897.1.S1_at	Polygalacturonase	-9.34
Mtr.34747.1.S1_at	Hypothetical protein	-9.34
Mtr.37624.1.S1_at	3-beta-hydroxysteroiddehydrogenase	-9.33
Mtr.49172.1.S1_at	Hypothetical protein	-9.33
Mtr.44760.1.S1_at	Sulfolipid synthase	-9.32
Mtr.47977.1.S1_at	Nodule-specific protein Nlj70	-9.31
Mtr.40508.1.S1_at	Magnesium-chelatase	-9.31
Mtr.8954.1.S1_at	Hypothetical protein	-9.30
Mtr.39433.1.S1_at	Xyloglucan endotransglucosylase/hydrolase	-9.29
Mtr.40886.1.S1_at	Hypothetical protein	-9.29
Mtr.49015.1.S1_at	Chlorophyll A-B binding protein	-9.29
Msa.2534.1.S1_at	Hypothetical protein	-9.28
Mtr.34708.1.S1_at	Sulfolipid synthase	-9.27
Mtr.36804.1.S1_at	Hypothetical protein	-9.27
Mtr.50754.1.S1_at	Hypothetical protein	-9.26
Mtr.19984.1.S1_at	Hypothetical protein	-9.25
Mtr.50001.1.S1_s_at	Glutamate synthase	-9.24
Mtr.1885.1.S1_at	Symbiotic ammonium transporter	-9.23
Mtr.33426.1.S1_at	MRP-like ABC transporter	-9.22
Mtr.42265.1.S1_at	Transmembrane protein kinase	-9.19
Mtr.43762.1.S1_at	Hypothetical protein	-9.18
Mtr.37525.1.S1_at	Multifunctional aquaporin	-9.17
Mtr.14312.1.S1_at	Hypothetical protein	-9.16
Mtr.51597.1.S1_at	Hypothetical protein	-9.14
Mtr.41408.1.S1_at	Hypothetical protein	-9.14
Mtr.17068.1.S1_at	WD-40 repeat protein	-9.13
Mtr.929.1.S1_s_at	Hypothetical protein	-9.12
Mtr.14453.1.S1_at	Rhodanese-like protein	-9.12
Mtr.51258.1.S1_at	Annexin	-9.08
Mtr.15871.1.S1_at	Hypothetical protein	-9.08
Mtr.768.1.S1_at	Hypothetical protein	-9.08

Mtr.10707.1.S1_at	Indole-3-acetic acid induced protein ARG2	-9.07
Mtr.40799.1.S1_at	Subtilisin-like protease	-9.07
Mtr.27862.1.S1_s_at	Hypothetical protein	-9.06
Mtr.45368.1.S1_at	Acetolactate synthase	-9.05
Mtr.40230.1.S1_at	Photosystem I reaction center subunit V	-9.04
Mtr.28675.1.S1_at	Polygalacturonase	-9.04
Mtr.43060.1.S1_at	GTP-binding protein TypA	-9.04
Mtr.5844.1.S1_at	Ternary complex factor MIP1-like protein	-9.04
Mtr.20646.1.S1_s_at	Glucose/ribitol dehydrogenase	-9.03
Mtr.32317.1.S1_s_at	Phototropin	-9.03
Mtr.39210.1.S1_at	Hypothetical protein	-9.02
Mtr.24535.1.S1_at	Peroxidase	-9.02
Mtr.20636.1.S1_at	NAD-dependent epimerase/dehydratase	-9.01
Mtr.3101.1.S1_at	Hypothetical protein	-9.00
Mtr.12401.1.S1_s_at	Myb-related transcription factor MYB59	-9.00
Mtr.20579.1.S1_at	Hypothetical protein	-9.00
Mtr.1753.1.S1_at	Hypothetical protein	-9.00
Mtr.19422.1.S1_at	ParB-like nuclease	-8.98
Mtr.1762.1.S1_at	Plastid RNA polymerase sigma-subunit	-8.97
Mtr.9853.1.S1_at	Hypothetical protein	-8.93
Mtr.6033.1.S1_at	Peroxidase	-8.93
Mtr.9805.1.S1_at	Hypothetical protein	-8.93
Mtr.25510.1.S1_at	Glycosyl hydrolase	-8.92
Mtr.13189.1.S1_at	Hypothetical protein	-8.92
Mtr.31727.1.S1_at	Hypothetical protein	-8.91
Mtr.11529.1.S1_at	SOUL heme-binding protein	-8.90
Mtr.12358.1.S1_at	Seed maturation protein LEA 4	-8.90
Mtr.13388.1.S1_s_at	Hypothetical protein	-8.89
Mtr.3071.1.S1_at	Starch synthase, isoform V	-8.88
Mtr.28757.1.S1_at	Hypothetical protein	-8.87
Mtr.41157.1.S1_at	RAC-like GTP binding protein RAC13	-8.86
Mtr.44855.1.S1_at	Uroporphyrin III methylase	-8.86
Mtr.16226.1.S1_at	Serine/threonine protein kinase	-8.86
Mtr.11271.1.S1_at	Hypothetical protein	-8.85
Mtr.26124.1.S1_at	Hypothetical protein	-8.83
Mtr.50015.1.S1_s_at	Hypothetical protein	-8.83
Mtr.27107.1.S1_at	MYC1	-8.82
Mtr.13979.1.S1_at	Lipid transfer protein	-8.81
Mtr.41622.1.S1_at	Hypothetical protein	-8.80
Mtr.33844.1.S1_s_at	Allantoinase	-8.79
Mtr.15414.1.S1_at	Hypothetical protein	-8.78
Mtr.40514.1.S1_at	Ultraviolet-B-repressible protein	-8.77
Mtr.12349.1.S1_at	Hypothetical protein	-8.77
Mtr.42164.1.S1_at	Hypothetical protein	-8.76
Mtr.5954.1.S1_at	ABC transporter	-8.76
Mtr.6070.1.S1_at	Histidine kinase	-8.75
Mtr.20727.1.S1_at	Aldehyde dehydrogenase	-8.75
Mtr.42672.1.S1_at	Hypothetical protein	-8.74
Mtr.47758.1.S1_at	bHLH protein	-8.74
Mtr.12848.1.S1_at	Berberine bridge enzyme-like protein	-8.73
Mtr.40872.1.S1_at	Hypothetical protein	-8.73
Mtr.38476.1.S1_at	Cytochrome c	-8.72
Msa.3002.1.S1_at	Hypothetical protein	-8.71
Mtr.43633.1.S1_at	Hypothetical protein	-8.68

Mtr.47369.1.S1_s_at	ABC transporter	-8.68
Mtr.38596.1.S1_at	Amine oxidase	-8.67
Mtr.49461.1.S1_at	Hypothetical protein	-8.66
Mtr.12042.1.S1_at	Farnesylated protein AFTP6-like protein	-8.66
Mtr.39530.1.S1_at	Hypothetical protein	-8.66
Mtr.37322.1.S1_at	Hypothetical protein	-8.65
Mtr.15289.1.S1_at	Lipoxygenase	-8.64
Mtr.18020.1.S1_at	Hypothetical protein	-8.64
Mtr.30739.1.S1_s_at	Hypothetical protein	-8.64
Mtr.37552.1.S1_at	RNA- or ssDNA-binding protein	-8.62
Mtr.15971.1.S1_at	Glycine cleavage T protein	-8.62
Mtr.13951.1.S1_at	Hypothetical protein	-8.61
Msa.1776.1.S1_at	Hypothetical protein	-8.60
Mtr.40706.1.S1_s_at	ADP-glucose pyrophosphorylase large subunit	-8.60
Mtr.18237.1.S1_at	Hypothetical protein	-8.60
Mtr.7832.1.S1_at	Hypothetical protein	-8.60
Mtr.41918.1.S1_at	Hypothetical protein	-8.59
Mtr.16218.1.S1_s_at	AAA ATPase	-8.58
Mtr.42933.1.S1_x_at	Nonspecific lipid-transfer protein precursor	-8.57
Mtr.31487.1.S1_s_at	Agmatine Iminohydrolase	-8.56
Mtr.37274.1.S1_at	Aquaporin 2	-8.55
Mtr.11741.1.S1_at	Hydrolase	-8.54
Mtr.44282.1.S1_at	THA4 protein	-8.54
Msa.2653.1.S1_at	Hypothetical protein	-8.53
Mtr.52214.1.S1_at	SOUL heme-binding protein	-8.53
Mtr.35532.1.S1_at	Bg55 protein	-8.53
Mtr.35625.1.S1_s_at	Hypothetical protein	-8.52
Msa.925.1.S1_at	Hypothetical protein	-8.52
Mtr.33903.1.S1_s_at	GTP-binding protein TypA	-8.51
Mtr.51379.1.S1_at	bHLH protein	-8.51
Mtr.31299.1.S1_at	MYB transcription factor	-8.51
Msa.1741.1.S1_at	Hypothetical protein	-8.50
Mtr.33055.1.S1_s_at	Hypothetical protein	-8.50
Mtr.39163.1.S1_at	Hypothetical protein	-8.47
Mtr.45049.1.S1_at	Hypothetical protein	-8.46
Mtr.51752.1.S1_at	Short-chain dehydrogenase/reductase	-8.45
Mtr.41047.1.S1_at	Hypothetical protein	-8.44
Mtr.41151.1.S1_s_at	Cer2 protein	-8.44
Mtr.52185.1.S1_at	Hypothetical protein	-8.44
Msa.1766.1.S1_at	Hypothetical protein	-8.43
Mtr.34697.1.S1_at	THA4 protein	-8.43
Mtr.41573.1.S1_at	Double C2-like domain containing protein	-8.43
Mtr.29529.1.S1_at	Hypothetical protein	-8.42
Mtr.33889.1.S1_at	CER1 protein	-8.42
Mtr.44782.1.S1_at	Hypothetical protein	-8.41
Mtr.12899.1.S1_at	Hypothetical protein	-8.41
Mtr.18280.1.S1_at	Serine/threonine protein kinase	-8.39
Mtr.27055.1.S1_at	Plastid RNA polymerase sigma-subunit	-8.38
Mtr.34879.1.S1_at	Hypothetical protein	-8.38
Mtr.49684.1.S1_at	UDP-glucose glucosyltransferase	-8.37
Mtr.39289.1.S1_at	Flavonoid 1-2 rhamnosyltransferase	-8.36
Mtr.13575.1.S1_at	Hypothetical protein	-8.36
Mtr.35488.1.S1_at	Hypothetical protein	-8.35
Mtr.37767.1.S1_at	Hypothetical protein	-8.34

Mtr.34167.1.S1_at	Hypothetical protein	-8.33
Mtr.20229.1.S1_at	UDP-glucose:anthocyanin 5-O-glucosyltransferase	-8.33
Mtr.43132.1.S1_at	Chloroplast nucleoid DNA binding protein	-8.32
Mtr.9534.1.S1_at	Hypothetical protein	-8.31
Mtr.38019.1.S1_at	Lil3 protein	-8.29
Mtr.31623.1.S1_at	Hypothetical protein	-8.28
Mtr.9529.1.S1_at	Hypothetical protein	-8.28
Mtr.2990.1.S1_at	Metal resistance protein	-8.27
Mtr.38481.1.S1_at	Hypothetical protein	-8.26
Mtr.34485.1.S1_at	Hypothetical protein	-8.24
Mtr.45476.1.S1_at	Metal-transporting P-type ATPase	-8.24
Mtr.41624.1.S1_at	SEC14 cytosolic factor	-8.23
Mtr.23945.1.S1_at	Receptor-like kinase	-8.22
Mtr.14257.1.S1_at	Magnesium-protoporphyrin IX methyltransferase	-8.21
Mtr.44524.1.S1_at	Hypothetical protein	-8.18
Mtr.42733.1.S1_at	Histone H1	-8.18
Mtr.12555.1.S1_at	Alpha-glucan phosphorylase	-8.18
Mtr.45371.1.S1_at	Small signal peptidase	-8.17
Mtr.37811.1.S1_at	Hypothetical protein	-8.16
Mtr.6746.1.S1_at	LEM3 (Ligand-effect modulator 3)	-8.16
Mtr.7160.1.S1_at	MRP-like ABC transporter	-8.16
Mtr.44745.1.S1_at	Ferredoxin	-8.15
Mtr.24695.1.S1_at	NADH dehydrogenase	-8.15
Mtr.30722.1.S1_at	Hypothetical protein	-8.15
Mtr.32947.1.S1_at	Hypothetical protein	-8.12
Mtr.9616.1.S1_at	Hypothetical protein	-8.12
Mtr.34597.1.S1_s_at	Hypothetical protein	-8.12
Mtr.49583.1.S1_at	Glycoside hydrolase	-8.12
Mtr.12989.1.S1_at	Fructosamine-3-kinase	-8.11
Mtr.27403.1.S1_at	Hypothetical protein	-8.11
Mtr.9264.1.S1_at	Hypothetical protein	-8.10
Mtr.38747.1.S1_s_at	Sugar transporter	-8.09
Mtr.47933.1.S1_at	Amino acid transporter a	-8.08
Mtr.41565.1.S1_s_at	Hypothetical protein	-8.07
Mtr.19479.1.S1_at	Glutaredoxin	-8.07
Mtr.43087.1.S1_at	Pectin methylesterase	-8.06
Mtr.25320.1.S1_at	Hypothetical protein	-8.04
Mtr.40480.1.S1_at	Allantoinase	-8.02
Mtr.14192.1.S1_at	Inositol monophosphatase	-8.02
Mtr.4818.1.S1_s_at	Glutamine synthetase	-8.01
Mtr.4048.1.S1_at	Hypothetical protein	-8.00
Mtr.24591.1.S1_at	Hypothetical protein	-8.00
Mtr.44672.1.S1_at	Glutathione S-transferase GST 7	-7.99
Mtr.38938.1.S1_at	Hypothetical protein	-7.99
Mtr.13969.1.S1_at	Glucosyltransferase	-7.96
Mtr.15811.1.S1_at	Hypothetical protein	-7.96
Mtr.38983.1.S1_at	Hypothetical protein	-7.96
Mtr.45956.1.S1_at	Lipase/lipoxygenase	-7.96
Mtr.18021.1.S1_at	Hypothetical protein	-7.96
Mtr.21518.1.S1_s_at	Cytochrome P450	-7.96
Mtr.26161.1.S1_at	Peroxisomal membrane protein	-7.95
Mtr.45562.1.S1_at	Nuclear shuttle interacting protein	-7.95
Msa.2667.1.S1_at	Hypothetical protein	-7.95
Mtr.32681.1.S1_at	Hypothetical protein	-7.94



Mtr.52193.1.S1_at	Glycoside hydrolase	-7.94
Mtr.35142.1.S1_at	Hypothetical protein	-7.92
Mtr.27269.1.S1_at	Hypothetical protein	-7.91
Mtr.32683.1.S1_at	TPR-containing protein	-7.91
Mtr.24912.1.S1_at	Hypothetical protein	-7.91
Mtr.10207.1.S1_at	Early E3 20.6 kDa glycoprotein	-7.90
Mtr.44090.1.S1_at	Hypothetical protein	-7.90
Mtr.13014.1.S1_at	Amine oxidase	-7.90
Mtr.33357.1.S1_at	MutT domain protein	-7.89
Mtr.49787.1.S1_s_at	Glycosyl hydrolases family 17	-7.88
Mtr.47226.1.S1_at	CBL-interacting protein kinase 1	-7.88
Msa.1763.1.S1_at	Hypothetical protein	-7.87
Msa.2712.1.S1_at	Hypothetical protein	-7.86
Mtr.31119.1.S1_at	MRP-like ABC transporter	-7.85
Mtr.5357.1.S1_at	ABC transporter	-7.84
Msa.1528.1.S1_at	Hypothetical protein	-7.84
Mtr.23616.1.S1_at	DNA-binding protein 4	-7.84
Mtr.37745.1.S1_at	Hypothetical protein	-7.82
Mtr.38080.1.S1_at	Hypothetical protein	-7.82
Mtr.33613.1.S1_at	Hypothetical protein	-7.82
Mtr.34610.1.S1_at	Hypothetical protein	-7.79
Mtr.28639.1.S1_at	Acetolactate synthase	-7.79
Mtr.22801.1.S1_at	Polynucleotide phosphorylase	-7.78
Mtr.43749.1.S1_s_at	Hypothetical protein	-7.77
Mtr.17798.1.S1_at	GNS1/SUR4 membrane protein	-7.76
Mtr.5962.1.S1_s_at	Nonspecific lipid-transfer protein	-7.75
Mtr.8917.1.S1_at	Dehydrogenase-like protein	-7.75
Mtr.11408.1.S1_at	Hypothetical protein	-7.72
Mtr.41412.1.S1_at	Thylakoid lumenal 18 kDa protein	-7.72
Mtr.31750.1.S1_at	Sulfate transporter 3.4	-7.71
Mtr.11363.1.S1_at	Glycosyltransferase	-7.70
Mtr.8497.1.S1_at	PSI light-harvesting antenna chlorophyll a/b-binding protein	-7.70
Mtr.45313.1.S1_at	Multidrug resistance-associated protein 2	-7.69
Mtr.38693.1.S1_at	Hypothetical protein	-7.69
Mtr.2111.1.S1_at	Hypothetical protein	-7.67
Mtr.48501.1.S1_at	Leucine-rich repeat	-7.66
Mtr.20946.1.S1_at	Serine/threonine protein kinase	-7.65
Mtr.15409.1.S1_at	Protein prenyltransferase	-7.64
Mtr.42509.1.S1_at	Hypothetical protein	-7.63
Mtr.41659.1.S1_at	Chloroplast carotenoid epsilon-ring hydroxylase	-7.63
Mtr.8659.1.S1_s_at	Beta-galactosidase	-7.63
Mtr.6086.1.S1_s_at	Sesquiterpene cyclase	-7.60
Mtr.8754.1.S1_at	Rhodanese-like family protein	-7.59
Mtr.40991.1.S1_at	Limonoid UDP-glucosyltransferase	-7.59
Mtr.43091.1.S1_s_at	Seed maturation protein LEA 4	-7.59
Mtr.8420.1.S1_at	Hypothetical protein	-7.59
Mtr.18790.1.S1_at	Esterase/lipase/thioesterase	-7.59
Mtr.49627.1.S1_at	Hypothetical protein	-7.54
Mtr.28644.1.S1_at	Cytokinin receptor, partial (26%)	-7.53
Mtr.13528.1.S1_at	Anthranilate N-hydroxycinnamoyl/benzoyltransferase	-7.52
Mtr.31331.1.S1_s_at	Hypothetical protein	-7.52
Mtr.47706.1.S1_at	Myb family transcription factor	-7.50
Mtr.27397.1.S1_at	Hypothetical protein	-7.50
Mtr.5638.1.S1_at	Hypothetical protein	-7.50

Mtr.24075.1.S1_at	Mannitol dehydrogenase	-7.50
Mtr.38608.1.S1_at	Hypothetical protein	-7.49
Msa.2926.1.S1_s_at	Hypothetical protein	-7.47
Msa.3149.1.S1_at	Hypothetical protein	-7.47
Mtr.11816.1.S1_at	Hypothetical protein	-7.46
Mtr.39315.1.S1_s_at	Hypothetical protein	-7.45
Mtr.41227.1.S1_at	Germacrene D synthase	-7.45
Mtr.27368.1.S1_at	Hypothetical protein	-7.45
Mtr.12037.1.S1_at	Hypothetical protein	-7.44
Mtr.33686.1.S1_at	Hypothetical protein	-7.44
Msa.1574.1.S1_at	Hypothetical protein	-7.42
Msa.1022.1.S1_at	Hypothetical protein	-7.42
Mtr.20207.1.S1_at	Thioredoxin	-7.42
Mtr.1715.1.S1_at	Aminoalcoholphosphotransferase	-7.42
Mtr.38746.1.S1_at	Heat shock transcription factor	-7.41
Msa.3097.1.S1_at	Hypothetical protein	-7.41
Mtr.11536.1.S1_at	SOS2-like protein kinase PKS3	-7.41
Mtr.8426.1.S1_at	Chlorophyll a/b binding protein	-7.41
Mtr.43744.1.S1_at	Hypothetical protein	-7.40
Mtr.50904.1.S1_at	Hypothetical protein	-7.39
Mtr.1911.1.S1_s_at	Hypothetical protein	-7.39
Mtr.11025.1.S1_at	Hypothetical protein	-7.39
Mtr.22990.1.S1_at	Receptor-like protein kinase 1	-7.39
Mtr.10887.1.S1_at	Hypothetical protein	-7.38
Mtr.10136.1.S1_at	Hypothetical protein	-7.37
Mtr.43079.1.S1_at	Farnesyl-diphosphate farnesyltransferase	-7.36
Mtr.43748.1.S1_s_at	Hypothetical protein	-7.35
Mtr.15484.1.S1_at	Peroxidase	-7.35
Mtr.37982.1.S1_at	Twist related protein 1	-7.34
Mtr.48911.1.S1_at	Short-chain dehydrogenase/reductase	-7.34
Mtr.38647.1.S1_at	WAK-like kinase	-7.34
Mtr.33894.1.S1_at	Tetracycline transporter protein	-7.33
Mtr.38441.1.S1_at	Hypothetical protein	-7.33
Mtr.17358.1.S1_at	Protein synthesis factor	-7.32
Mtr.1036.1.S1_at	Non-phototropic hypocotyl 3	-7.32
Mtr.48723.1.S1_at	Hypothetical protein	-7.32
Mtr.20794.1.S1_at	Plant lipid transfer/seed storage/trypsin-alpha amylase inhibitor	-7.30
Mtr.38066.1.S1_at	Cinnamyl alcohol dehydrogenase	-7.30
Mtr.9169.1.S1_at	Hypothetical protein	-7.29
Mtr.44847.1.S1_s_at	Glycosyltransferase family protein 47	-7.29
Mtr.11562.1.S1_at	Diphosphonucleotide phosphatase 1	-7.27
Mtr.37927.1.S1_at	Hypothetical protein	-7.27
Mtr.5313.1.S1_s_at	Hypothetical protein	-7.27
Mtr.17735.1.S1_at	Hypothetical protein	-7.25
Msa.2847.1.S1_at	Hypothetical protein	-7.23
Mtr.40963.1.S1_at	En/Spm-like transposon protein	-7.23
Mtr.43359.1.S1_at	Phytochelatin synthetase	-7.22
Mtr.22096.1.S1_at	EIX receptor 1	-7.22
Mtr.762.1.S1_at	Hypothetical protein	-7.21
Msa.1122.1.S1_at	Hypothetical protein	-7.21
Mtr.9163.1.S1_at	Hypothetical protein	-7.21
Mtr.23402.1.S1_at	Aldehyde dehydrogenase	-7.20
Mtr.13420.1.S1_at	Selenium-binding protein	-7.19
Mtr.52183.1.S1_at	Concanavalin A-like lectin/glucanase	-7.19

Mtr.3858.1.S1_at	Leucoanthocyanidin dioxygenase	-7.18
Mtr.16579.1.S1_x_at	Cytochrome P450	-7.18
Mtr.13533.1.S1_at	Hypothetical protein	-7.18
Mtr.51909.1.S1_at	Phenylalanine/histidine ammonia-lyase	-7.16
Mtr.40676.1.S1_at	Chloroplast nucleoid DNA binding protein	-7.14
Mtr.38021.1.S1_at	Hypothetical protein	-7.13
Mtr.50756.1.S1_at	Hypothetical protein	-7.13
Mtr.18798.1.S1_at	Proteinase inhibitor I3	-7.12
Msa.1561.1.S1_at	Hypothetical protein	-7.12
Mtr.44836.1.S1_at	Hypothetical protein	-7.12
Mtr.15420.1.S1_at	ABC transporter	-7.11
Mtr.32661.1.S1_at	Hypothetical protein	-7.10
Mtr.40684.1.S1_at	Anthocyanin 5-aromatic acyltransferase/benzoyltransferase	-7.10
Mtr.13801.1.S1_at	Hypothetical protein	-7.10
Mtr.40975.1.S1_at	Nitrite transport protein	-7.09
Mtr.44860.1.S1_at	MADS5 protein	-7.09
Mtr.27111.1.S1_at	GTPase engC protein 1	-7.08
Msa.1517.1.S1_at	Hypothetical protein	-7.08
Mtr.32044.1.S1_at	Hypothetical protein	-7.08
Mtr.11016.1.S1_at	Hypothetical protein	-7.08
Mtr.13397.1.S1_at	Regulator of chromosome condensation-like protein	-7.07
Mtr.34803.1.S1_at	Multidrug resistance-associated protein	-7.07
Mtr.16311.1.S1_at	Hypothetical protein	-7.07
Mtr.30437.1.S1_at	Hypothetical protein	-7.07
Mtr.31764.1.S1_at	Alpha-mannosidase	-7.06
Msa.1177.1.S1_at	Hypothetical protein	-7.05
Mtr.42492.1.S1_at	Carboxylesterase-like protein	-7.05
Mtr.32983.1.S1_at	Protein kinase	-7.04
Mtr.13614.1.S1_at	Pyrimidine 5'-nucleotidase	-7.04
Mtr.10595.1.S1_s_at	Seed maturation protein PM36	-7.02
Mtr.41215.1.S1_at	Germin-like protein	-7.00
Mtr.32475.1.S1_s_at	Hypothetical protein	-7.00
Mtr.19777.1.S1_at	Hypothetical protein	-7.00
Mtr.9808.1.S1_at	Hypothetical protein	-6.99
Mtr.13167.1.S1_at	Acyl CoA synthetase	-6.98
Mtr.5330.1.S1_at	Serine /threonine protein kinase	-6.98
Msa.1845.1.S1_at	Hypothetical protein	-6.98
Mtr.50932.1.S1_at	Myb, DNA-binding	-6.97
Mtr.13851.1.S1_at	Hypothetical protein	-6.95
Mtr.48535.1.S1_at	Hypothetical protein	-6.94
Mtr.34826.1.S1_at	Hypothetical protein	-6.94
Mtr.41481.1.S1_at	Phosphate translocator	-6.94
Mtr.35957.1.S1_at	Germin-like protein	-6.94
Mtr.38165.1.S1_at	Serine/threonine protein kinase	-6.94
Mtr.11495.1.S1_at	Steroid 5alpha-reductase	-6.93
Mtr.45389.1.S1_at	Hypothetical protein	-6.92
Mtr.12039.1.S1_at	Peptide transporter 1	-6.91
Mtr.11929.1.S1_at	Beta-1,4-xylosidase	-6.90
Mtr.34815.1.S1_at	Hypothetical protein	-6.90
Mtr.11148.1.S1_at	Multi resistance protein	-6.88
Mtr.42374.1.S1_at	Hypothetical protein	-6.88
Mtr.39387.1.S1_s_at	DCL protein	-6.88
Msa.1890.1.S1_at	Hypothetical protein	-6.87
Mtr.38446.1.S1_s_at	Ferredoxin-thioredoxin reductase catalytic chain	-6.86

Mtr.8968.1.S1_at	Hypothetical protein	-6.86
Mtr.41414.1.S1_at	Hypothetical protein	-6.86
Mtr.34752.1.S1_s_at	Hypothetical protein	-6.86
Mtr.7101.1.S1_at	C2H2 zinc-finger protein	-6.85
Mtr.15042.1.S1_at	Histidine kinase A	-6.85
Mtr.8683.1.S1_at	Phosphoenolpyruvate carboxylase	-6.85
Msa.1062.1.S1_at	Hypothetical protein	-6.85
Mtr.42902.1.S1_at	VuP5CS protein	-6.85
Mtr.23946.1.S1_at	Receptor kinase LRK10	-6.84
Mtr.20268.1.S1_at	Hypothetical protein	-6.83
Mtr.35540.1.S1_at	Hypothetical protein	-6.83
Mtr.11988.1.S1_at	Tryptophanyl-tRNA synthetase	-6.83
Mtr.38595.1.S1_at	Hypothetical protein	-6.82
Mtr.10331.1.S1_at	Orcinol O-methyltransferase	-6.82
Mtr.11829.1.S1_at	Hypothetical protein	-6.82
Mtr.40897.1.S1_at	Hypothetical protein	-6.81
Msa.900.1.S1_s_at	Hypothetical protein	-6.81
Mtr.26278.1.S1_s_at	Pyrroline-5-carboxylate reductase	-6.81
Mtr.46046.1.S1_at	Lipolytic enzyme	-6.81
Mtr.32540.1.S1_at	Hypothetical protein	-6.81
Mtr.11421.1.S1_at	Ripening-related protein	-6.81
Mtr.40775.1.S1_at	Protein tyrosine phosphatase	-6.80
Mtr.40473.1.S1_at	Lipid transfer protein	-6.80
Mtr.634.1.S1_at	Hypothetical protein	-6.79
Mtr.39482.1.S1_at	Hypothetical protein	-6.79
Mtr.37673.1.S1_at	Hypothetical protein	-6.78
Mtr.42445.1.S1_at	Hypothetical protein	-6.78
Mtr.6035.1.S1_at	UDP-glycosyltransferase 74G1	-6.78
Mtr.37448.1.S1_at	Photosystem II	-6.77
Mtr.28667.1.S1_at	Hypothetical protein	-6.77
Mtr.9876.1.S1_at	CCAAT-binding transcription factor subunit C	-6.77
Mtr.39530.1.S1_s_at	Hypothetical protein	-6.77
Mtr.21518.1.S1_at	Cytochrome P450	-6.76
Msa.1654.1.S1_at	Hypothetical protein	-6.76
Mtr.22041.1.S1_at	Hypothetical protein	-6.76
Mtr.47780.1.S1_at	Expansin	-6.75
Mtr.8777.1.S1_at	Plastoglobule associated protein PG1	-6.75
Mtr.37443.1.S1_at	Alcohol dehydrogenase 1	-6.75
Mtr.5850.1.S1_at	Protein kinase	-6.74
Mtr.7068.1.S1_at	Threonyl-tRNA synthetase	-6.74
Mtr.41485.1.S1_at	Dynammin-like protein	-6.73
Mtr.29286.1.S1_at	22 kDa peroxisomal membrane protein	-6.73
Mtr.9810.1.S1_at	Hypothetical protein	-6.72
Msa.1665.1.S1_at	Hypothetical protein	-6.72
Mtr.3805.1.S1_at	Laccase	-6.70
Msa.1462.1.S1_at	Hypothetical protein	-6.70
Msa.3140.1.S1_at	Hypothetical protein	-6.70
Mtr.37361.1.S1_at	Chlorophyll a-b binding protein CP29.3	-6.69
Mtr.10011.1.S1_at	Hypothetical protein	-6.69
Mtr.27915.1.S1_at	Hypothetical protein	-6.68
Mtr.42608.1.S1_at	Polysaccharide polymerase	-6.68
Mtr.48754.1.S1_at	Dihydrodipicolinate reductase	-6.67
Mtr.31137.1.S1_at	Hypothetical protein	-6.67
Mtr.40327.1.S1_at	ADP-glucose pyrophosphorylase	-6.67

Mtr.27314.1.S1_s_at	Heat shock transcription factor	-6.66
Mtr.39477.1.S1_at	Myosin-like protein	-6.66
Mtr.10936.1.S1_at	Transcriptional regulator, LysR	-6.66
Mtr.9717.1.S1_at	WAK-like kinase	-6.65
Mtr.16086.1.S1_at	Hypothetical protein	-6.65
Mtr.13413.1.S1_at	Transporter like protein	-6.64
Mtr.10825.1.S1_at	Hypothetical protein	-6.64
Mtr.27223.1.S1_s_at	Hypothetical protein	-6.63
Mtr.29276.1.S1_s_at	Hypothetical protein	-6.62
Mtr.6729.1.S1_at	Hypothetical protein	-6.62
Mtr.44017.1.S1_at	Seed maturation protein PM24	-6.61
Mtr.43727.1.S1_at	Squalene monooxygenase 1	-6.60
Mtr.34738.1.S1_s_at	Copper/zinc superoxide dismutase	-6.60
Mtr.13401.1.S1_at	Hypothetical protein	-6.60
Mtr.35600.1.S1_at	Pyrroline-5-carboxylate reductase	-6.60
Mtr.38254.1.S1_at	Ubiquitin-conjugating enzyme	-6.59
Mtr.32709.1.S1_at	Hypothetical protein	-6.59
Mtr.24210.1.S1_at	Hypothetical protein	-6.59
Mtr.40908.1.S1_at	Ribosomal protein L6	-6.59
Mtr.21261.1.S1_s_at	Hypothetical protein	-6.59
Mtr.40715.1.S1_at	Mercuric reductase	-6.59
Mtr.10767.1.S1_at	Agmatine Iminohydrolase	-6.58
Mtr.15775.1.S1_at	Glycoside hydrolase	-6.58
Mtr.37807.1.S1_at	Transporter, LysE family	-6.57
Mtr.16200.1.S1_at	Esterase/lipase/thioesterase	-6.57
Mtr.32795.1.S1_s_at	Hypothetical protein	-6.57
Mtr.43655.1.S1_at	Glucosyltransferase	-6.56
Mtr.5404.1.S1_at	Receptor protein kinase	-6.55
Mtr.43044.1.S1_at	NADP-dependent glyceraldehyde-3-phosphate dehydrogenase	-6.55
Mtr.44147.1.S1_at	Lipid transfer protein	-6.55
Mtr.38410.1.S1_at	bZIP50 protein	-6.55
Msa.1380.1.S1_at	Hypothetical protein	-6.54
Msa.2613.1.S1_at	Hypothetical protein	-6.54
Mtr.32796.1.S1_at	Sodium transport protein	-6.54
Mtr.44852.1.S1_at	Glu-tRNA(Gln) amidotransferase subunit B	-6.53
Mtr.22277.1.S1_s_at	Hypothetical protein	-6.53
Mtr.43148.1.S1_at	Myb-related transcription factor MYB59	-6.53
Mtr.45291.1.S1_at	Hypothetical protein	-6.53
Msa.3143.1.S1_at	Hypothetical protein	-6.52
Mtr.38919.1.S1_at	Hypothetical protein	-6.51
Mtr.42840.1.S1_at	Germin-like protein	-6.51
Mtr.37352.1.S1_at	Trypsin protein inhibitor 3	-6.50
Mtr.40528.1.S1_s_at	Hypothetical protein	-6.50
Mtr.5847.1.S1_at	Zinc finger protein 1	-6.50
Mtr.39369.1.S1_at	33 kd chloroplast ribonucleoprotein	-6.50
Mtr.31169.1.S1_at	Cytochrome P450	-6.48
Mtr.44868.1.S1_at	Hypothetical protein	-6.48
Mtr.38054.1.S1_at	Hypothetical protein	-6.47
Mtr.40987.1.S1_at	Hypothetical protein	-6.47
Msa.3021.1.S1_at	Hypothetical protein	-6.47
Mtr.48631.1.S1_at	Major facilitator superfamily	-6.46
Mtr.32386.1.S1_at	Strubbelig receptor family 8	-6.46
Mtr.33744.1.S1_s_at	Hypothetical protein	-6.45
Mtr.35696.1.S1_at	Hypothetical protein	-6.43

Mtr.12308.1.S1_at	Photosystem I reaction center subunit psaK	-6.43
Mtr.5655.1.S1_s_at	ADP-glucose pyrophosphorylase large subunit	-6.41
Mtr.12886.1.S1_at	Hypothetical protein	-6.41
Mtr.47452.1.S1_at	Cytochrome P450 81E1	-6.41
Mtr.12223.1.S1_at	Hypothetical protein	-6.41
Mtr.46900.1.S1_at	Hypothetical protein	-6.40
Mtr.13901.1.S1_at	Hypothetical protein	-6.39
Mtr.37166.1.S1_at	UDP-glucose:indole-3-acetate beta-D-glucosyltransferase	-6.39
Msa.3011.1.S1_at	Hypothetical protein	-6.39
Mtr.8759.1.S1_at	Quinone reductase	-6.39
Mtr.40774.1.S1_s_at	Protein tyrosine phosphatase	-6.38
Mtr.5351.1.S1_at	Cuticle protein (Faceless pollen-1) (YORE-YORE protein)	-6.38
Msa.2585.1.S1_at	Hypothetical protein	-6.37
Mtr.6771.1.S1_s_at	Hypothetical protein	-6.37
Mtr.6780.1.S1_at	Starch synthase IVb precursor	-6.37
Mtr.43889.1.S1_at	Beta-1,3-glucanase-like protein	-6.36
Mtr.14419.1.S1_s_at	Purple acid phosphatase	-6.36
Mtr.5586.1.S1_s_at	Beta-carotene hydroxylase	-6.36
Mtr.25043.1.S1_at	Hypothetical protein	-6.35
Mtr.27146.1.S1_s_at	Cyclin-like protein	-6.35
Mtr.11359.1.S1_at	Hypothetical protein	-6.34
Mtr.39748.1.S1_at	Hypothetical protein	-6.33
Mtr.40506.1.S1_at	Serine carboxypeptidase II	-6.33
Mtr.42279.1.S1_at	Protease Do-like 8	-6.33
Mtr.10393.1.S1_at	Thiamin biosynthetic enzyme	-6.33
Mtr.11795.1.S1_at	Proline-rich protein	-6.32
Mtr.13021.1.S1_at	Hypothetical protein	-6.32
Mtr.37929.1.S1_at	Inositol phosphatase	-6.31
Mtr.13958.1.S1_at	Beta-amylase	-6.31
Mtr.24418.1.S1_at	Cytochrome P450	-6.30
Mtr.34896.1.S1_at	Receptor-like protein kinase	-6.28
Mtr.43622.1.S1_s_at	NADH dehydrogenase	-6.27
Msa.1751.1.S1_at	Hypothetical protein	-6.27
Mtr.6500.1.S1_at	Alcohol NADP+ oxidoreductase	-6.26
Mtr.16200.1.S1_x_at	Esterase/lipase/thioesterase	-6.26
Mtr.13436.1.S1_at	Nodule-enhanced protein phosphatase type 2C	-6.25
Mtr.929.1.S1_at	Hypothetical protein	-6.25
Mtr.4862.1.S1_at	Oxidoreductase	-6.24
Mtr.13612.1.S1_at	Hypothetical protein	-6.24
Mtr.33045.1.S1_at	Hypothetical protein	-6.23
Mtr.39390.1.S1_at	Phosphoenolpyruvate carboxylase	-6.23
Mtr.19940.1.S1_at	Hypothetical protein	-6.23
Mtr.37443.1.S1_x_at	Alcohol dehydrogenase 1	-6.22
Mtr.39989.1.S1_at	Hypothetical protein	-6.22
Msa.1642.1.S1_at	Hypothetical protein	-6.20
Mtr.20560.1.S1_at	Purple acid phosphatase	-6.19
Mtr.40152.1.S1_at	Oxygen-evolving enhancer protein 2	-6.19
Mtr.12418.1.S1_at	Hypothetical protein	-6.18
Mtr.10423.1.S1_at	Hypothetical protein	-6.18
Mtr.38672.1.S1_at	Hypothetical protein	-6.18
Mtr.38436.1.S1_at	Cyclin-like protein, partial (18%)	-6.17
Mtr.43856.1.S1_at	Protein kinase	-6.17
Mtr.51598.1.S1_at	NUDIX hydrolase	-6.16
Mtr.33014.1.S1_s_at	Hypothetical protein	-6.16

Mtr.50974.1.S1_at	Hypothetical protein	-6.16
Mtr.45016.1.S1_at	Hypothetical protein	-6.16
Mtr.36140.1.S1_at	Phosphoenolpyruvate carboxylase	-6.15
Mtr.5346.1.S1_at	Receptor-like protein kinase 2	-6.15
Mtr.44131.1.S1_at	Hypothetical protein	-6.15
Mtr.8818.1.S1_at	Hypothetical protein	-6.15
Mtr.13232.1.S1_at	Hypothetical protein	-6.15
Mtr.25689.1.S1_at	UDP-glucose 6-dehydrogenase	-6.14
Mtr.42240.1.S1_at	Hypothetical protein	-6.14
Mtr.22606.1.S1_at	PPR repeat-containing protein	-6.13
Mtr.11999.1.S1_at	Hypothetical protein	-6.13
Mtr.40190.1.S1_at	Flowering promoting factor-like 1	-6.13
Msa.1977.1.S1_at	Hypothetical protein	-6.13
Msa.1651.1.S1_at	Hypothetical protein	-6.13
Mtr.6878.1.S1_s_at	Hypothetical protein	-6.12
Mtr.12306.1.S1_at	Hypothetical protein	-6.11
Mtr.38379.1.S1_at	Egr1 protein	-6.10
Mtr.50307.1.S1_at	Haloacid dehalogenase-like hydrolase	-6.10
Mtr.18997.1.S1_at	IMGZn-finger, Dof type	-6.10
Mtr.2640.1.S1_at	Pullulanase-like protein	-6.09
Mtr.36351.1.S1_at	Cytochrome oxidase II	-6.08
Mtr.16273.1.S1_at	Proteinase inhibitor I12	-6.07
Mtr.34447.1.S1_at	Hypothetical protein	-6.07
Mtr.45567.1.S1_at	Fatty aldehyde dehydrogenase 1	-6.07
Mtr.43533.1.S1_at	Maturation polypeptide	-6.07
Mtr.6980.1.S1_at	Multidrug resistance-associated protein 2	-6.06
Mtr.49627.1.S1_x_at	Hypothetical protein	-6.06
Mtr.45060.1.S1_at	Salt-tolerance protein	-6.06
Mtr.16356.1.S1_s_at	Phospholipid/glycerol acyltransferase	-6.06
Mtr.33664.1.S1_at	Ferredoxin-dependent glutamate synthase	-6.06
Mtr.18659.1.S1_s_at	Hly-III related proteins	-6.06
Msa.1114.1.S1_at	Hypothetical protein	-6.05
Mtr.17661.1.S1_at	Polyprenyl synthetase	-6.04
Mtr.32411.1.S1_a_at	Hypothetical protein	-6.04
Mtr.6081.1.S1_at	Family II lipase EXL2	-6.04
Mtr.9105.1.S1_at	Coproporphyrinogen oxidase	-6.02
Mtr.36338.1.S1_at	Hypothetical protein	-6.01
Mtr.5714.1.S1_at	Hypothetical protein	-6.01
Mtr.43215.1.S1_at	Hypothetical protein	-6.00
Mtr.20947.1.S1_x_at	Serine/threonine protein kinase	-5.99
Mtr.18022.1.S1_at	Hypothetical protein	-5.97
Mtr.28068.1.S1_at	Hypothetical protein	-5.96
Mtr.41407.1.S1_at	Hypothetical protein	-5.96
Mtr.24061.1.S1_at	Hypothetical protein	-5.96
Mtr.32634.1.S1_s_at	Heat shock protein	-5.95
Mtr.5115.1.S1_s_at	Hypothetical protein	-5.95
Msa.1661.1.S1_at	Hypothetical protein	-5.95
Msa.2137.1.S1_at	Hypothetical protein	-5.95
Msa.3118.1.S1_at	Hypothetical protein	-5.94
Msa.1921.1.S1_at	Hypothetical protein	-5.93
Mtr.50199.1.S1_at	Hypothetical protein	-5.93
Mtr.11440.1.S1_at	Thylakoid lumenal 21.5 kDa protein	-5.93
Msa.1853.1.S1_at	Hypothetical protein	-5.92
Mtr.27754.1.S1_at	Hypothetical protein	-5.92

Mtr.48197.1.S1_at	Hypothetical protein	-5.92
Mtr.13421.1.S1_at	Cytochrome b-561	-5.91
Mtr.46510.1.S1_x_at	Alpha/beta-amyrin synthase	-5.91
Mtr.20299.1.S1_at	U box protein	-5.91
Msa.3191.1.S1_s_at	Hypothetical protein	-5.91
Mtr.45511.1.S1_at	Histidine kinase	-5.90
Mtr.2611.1.S1_at	Protein kinase	-5.90
Mtr.46957.1.S1_at	Hypothetical protein	-5.89
Mtr.37164.1.S1_at	Heat shock factor RHSF6	-5.88
Mtr.8567.1.S1_at	Alcohol dehydrogenase 1	-5.87
Mtr.9712.1.S1_at	Copper/zinc superoxide dismutase	-5.87
Mtr.7552.1.S1_at	Hypothetical protein	-5.87
Mtr.44223.1.S1_at	Mitochondrial aspartate-glutamate carrier protein	-5.87
Mtr.19934.1.S1_at	Cysteine proteinase	-5.87
Mtr.36469.1.S1_at	Hypothetical protein	-5.87
Mtr.2661.1.S1_at	Hypothetical protein	-5.87
Mtr.39373.1.S1_at	Alanyl-tRNA synthetase	-5.86
Mtr.43565.1.S1_at	PAR-1b protein	-5.86
Mtr.33854.1.S1_at	Hypothetical protein	-5.85
Mtr.41274.1.S1_at	Hypothetical protein	-5.84
Mtr.13472.1.S1_at	Interleukin-1 receptor-associated kinase-3 (IRAK-3)	-5.84
Mtr.12907.1.S1_at	Hypothetical protein	-5.83
Mtr.13972.1.S1_at	Thioredoxin m	-5.83
Mtr.37955.1.S1_at	Hypothetical protein	-5.82
Mtr.43749.1.S1_at	Hypothetical protein	-5.82
Mtr.34131.1.S1_at	NADP dependent malic enzyme	-5.82
Mtr.14527.1.S1_at	Hypothetical protein	-5.82
Mtr.15340.1.S1_at	Malate dehydrogenase	-5.81
Mtr.28309.1.S1_at	Acyl-CoA thioesterase	-5.80
Mtr.8967.1.S1_s_at	Hypothetical protein	-5.80
Mtr.34640.1.S1_at	Hypothetical protein	-5.80
Mtr.10293.1.S1_at	Alanyl-tRNA synthetase	-5.79
Mtr.32821.1.S1_at	Hypothetical protein	-5.79
Mtr.37341.1.S1_at	Mannitol dehydrogenase	-5.78
Mtr.31127.1.S1_s_at	ERD4 protein	-5.78
Mtr.49783.1.S1_at	Glycosyl hydrolases family 17	-5.77
Mtr.45269.1.S1_at	NADP dependent malic enzyme	-5.77
Mtr.47648.1.S1_at	Hypothetical protein	-5.76
Mtr.13200.1.S1_at	Hypothetical protein	-5.76
Mtr.6825.1.S1_at	Hypothetical protein	-5.76
Mtr.11542.1.S1_s_at	Hypothetical protein	-5.75
Msa.1113.1.S1_at	Hypothetical protein	-5.75
Mtr.39327.1.S1_at	Hypothetical protein	-5.74
Msa.1809.1.S1_at	Hypothetical protein	-5.74
Msa.1661.1.S1_s_at	Hypothetical protein	-5.74
Mtr.39005.1.S1_at	Nitrate transporter	-5.74
Mtr.34797.1.S1_at	Hypothetical protein	-5.74
Mtr.38390.1.S1_at	Hypothetical protein	-5.73
Mtr.31078.1.S1_at	CPD photolyase	-5.73
Mtr.44890.1.S1_at	Calcium binding protein	-5.73
Mtr.16355.1.S1_at	HSP20-like chaperone	-5.73
Mtr.14230.1.S1_at	Hypothetical protein	-5.72
Mtr.11744.1.S1_at	Hypothetical protein	-5.72
Mtr.46061.1.S1_s_at	Dynamin GTPase effector	-5.72



Mtr.13813.1.S1_s_at	Alkaline/neutral invertase	-5.72
Msa.1434.1.S1_at	Hypothetical protein	-5.71
Mtr.27892.1.S1_at	Hypothetical protein	-5.71
Mtr.42133.1.S1_at	Protein kinase	-5.71
Mtr.51464.1.S1_at	Thiolase	-5.70
Msa.3115.1.S1_at	Hypothetical protein	-5.70
Mtr.42337.1.S1_at	4-coumarate:CoA ligase isoenzyme 2	-5.70
Mtr.14519.1.S1_a_at	RNA-binding region RNP-1	-5.70
Mtr.12774.1.S1_s_at	Bg55 protein	-5.70
Msa.3163.1.S1_at	Hypothetical protein	-5.70
Mtr.9072.1.S1_at	Acyltransferase	-5.70
Mtr.25389.1.S1_at	Vestitone reductase	-5.69
Msa.1069.1.S1_at	Hypothetical protein	-5.68
Mtr.19730.1.S1_at	Microtubule-associated protein	-5.68
Msa.1619.1.S1_at	Hypothetical protein	-5.68
Msa.1746.1.S1_at	Hypothetical protein	-5.68
Mtr.31115.1.S1_at	Hypothetical protein	-5.67
Mtr.39936.1.S1_at	Spermidine synthase 2	-5.67
Msa.1112.1.S1_at	Hypothetical protein	-5.67
Mtr.24717.1.S1_s_at	Arabinogalactan protein	-5.66
Mtr.24083.1.S1_at	Uroporphyrinogen decarboxylase	-5.65
Mtr.28737.1.S1_at	Homeodomain protein GhHOX1	-5.64
Mtr.37792.1.S1_at	Hypothetical protein	-5.64
Msa.2814.1.S1_at	Hypothetical protein	-5.64
Mtr.22781.1.S1_at	Photosystem I-N subunit	-5.64
Mtr.49075.1.S1_at	Peptidase M24	-5.64
Mtr.37372.1.S1_at	Dehydroascorbate reductase	-5.63
Mtr.33475.1.S1_s_at	Proline-rich protein	-5.63
Msa.3138.1.S1_a_at	Hypothetical protein	-5.63
Mtr.15245.1.S1_at	ABC transporter	-5.62
Mtr.13613.1.S1_s_at	Actin-related protein 8B	-5.62
Mtr.32848.1.S1_at	Hypothetical protein	-5.61
Mtr.5310.1.S1_s_at	Light harvesting protein	-5.60
Mtr.14519.1.S1_at	RNA-binding region RNP-1	-5.59
Mtr.51925.1.S1_at	Hypothetical protein	-5.59
Mtr.44320.1.S1_at	Hypothetical protein	-5.59
Mtr.20801.1.S1_at	Homeodomain-like protein	-5.59
Mtr.21006.1.S1_at	Hypothetical protein	-5.58
Mtr.38321.1.S1_at	Transfactor-like protein	-5.58
Mtr.8728.1.S1_at	Hypothetical protein	-5.58
Mtr.17441.1.S1_at	Glycoside hydrolase	-5.58
Mtr.30695.1.S1_at	Hypothetical protein	-5.57
Mtr.1779.1.S1_at	Hypothetical protein	-5.57
Msa.1021.1.S1_at	Hypothetical protein	-5.57
Mtr.10648.1.S1_at	UOS1	-5.57
Mtr.11208.1.S1_at	Hypothetical protein	-5.57
Mtr.44814.1.S1_at	Ycf49-like protein	-5.56
Mtr.8844.1.S1_at	Mitogen-activated protein kinase	-5.56
Mtr.48097.1.S1_at	Hypothetical protein	-5.55
Mtr.51204.1.S1_at	Amine oxidase	-5.55
Mtr.48937.1.S1_at	Hypothetical protein	-5.55
Mtr.10412.1.S1_at	Oxygen-evolving enhancer protein 3	-5.55
Mtr.34732.1.S1_at	Trehalose-6-phosphate synthase	-5.55
Mtr.13374.1.S1_at	Protein kinase	-5.54

Mtr.34614.1.S1_at	Hypothetical protein	-5.54
Mtr.5618.1.S1_at	Zinc finger protein	-5.54
Msa.1072.1.S1_at	Hypothetical protein	-5.52
Mtr.2306.1.S1_at	Trehalose-6-phosphate phosphatase	-5.52
Mtr.32674.1.S1_at	Hypothetical protein	-5.51
Mtr.5426.1.S1_at	Receptor protein kinase	-5.50
Mtr.41877.1.S1_at	Hypothetical protein	-5.50
Mtr.51462.1.S1_s_at	Zn-finger, RING	-5.50
Mtr.41896.1.S1_s_at	Hypothetical protein	-5.50
Mtr.12262.1.S1_at	Extensin 3	-5.49
Msa.3103.1.S1_at	Hypothetical protein	-5.49
Mtr.47272.1.S1_at	Elongation factor P (EF-P)	-5.49
Mtr.39696.1.S1_at	Hypothetical protein	-5.49
Mtr.43833.1.S1_at	Hypothetical protein	-5.48
Mtr.39943.1.S1_at	Hypothetical protein	-5.48
Mtr.42768.1.S1_at	Hypothetical protein	-5.48
Mtr.6731.1.S1_at	PSII D1 protein processing enzyme	-5.48
Mtr.40187.1.S1_at	Serine hydroxymethyltransferase	-5.47
Mtr.19691.1.S1_at	Hypothetical protein	-5.46
Mtr.40561.1.S1_at	Hypothetical protein	-5.45
Mtr.11939.1.S1_at	RelA-SpoT like protein RSH1	-5.45
Mtr.41489.1.S1_at	Hypothetical protein	-5.45
Mtr.4994.1.S1_at	Hypothetical protein	-5.45
Mtr.37015.1.S1_at	Hydroxymethylglutaryl-CoA lyase	-5.45
Mtr.50308.1.S1_at	Hypothetical protein	-5.45
Mtr.30232.1.S1_at	Hypothetical protein	-5.44
Mtr.24601.1.S1_at	Receptor-related protein kinase	-5.44
Mtr.32162.1.S1_at	Hypothetical protein	-5.44
Mtr.21855.1.S1_at	Hypothetical protein	-5.44
Mtr.25985.1.S1_at	L-asparaginase	-5.44
Mtr.31928.1.S1_at	Peroxidase 25	-5.43
Mtr.25648.1.S1_at	Amino acid transporter	-5.43
Mtr.43000.1.S1_at	Hypothetical protein	-5.43
Mtr.7095.1.S1_at	Na <sup>+</sup> /H <sup>+</sup> antiporter NHX6	-5.43
Mtr.4424.1.S1_at	Hypothetical protein	-5.42
Mtr.5882.1.S1_at	Hypothetical protein	-5.42
Mtr.9162.1.S1_at	Carboxypeptidase type III	-5.40
Mtr.44395.1.S1_at	Hypothetical protein	-5.40
Mtr.32559.1.S1_at	Pherophorin	-5.40
Mtr.11162.1.S1_at	GTP-binding protein LepA	-5.39
Mtr.37476.1.S1_at	Bimodular protein	-5.38
Mtr.13378.1.S1_at	Zinc finger protein 4	-5.38
Mtr.33770.1.S1_at	Hypothetical protein	-5.38
Mtr.9483.1.S1_at	Hypothetical protein	-5.38
Mtr.43824.1.S1_at	Thioredoxin M-type 3	-5.38
Mtr.9796.1.S1_at	Hypothetical protein	-5.37
Mtr.5041.1.S1_s_at	Alcohol dehydrogenase	-5.37
Mtr.35108.1.S1_at	Hypothetical protein	-5.37
Mtr.11736.1.S1_at	Aquaporin NIP-type	-5.37
Msa.2747.1.S1_at	Hypothetical protein	-5.36
Msa.3120.1.S1_at	Hypothetical protein	-5.36
Mtr.13054.1.S1_at	Wall-associated kinase	-5.35
Mtr.46001.1.S1_s_at	Hypothetical protein	-5.35
Mtr.39027.1.S1_s_at	Hypothetical protein	-5.35

Mtr.2881.1.S1_at	Hypothetical protein	-5.34
Mtr.9540.1.S1_at	RING finger protein	-5.34
Mtr.10799.1.S1_at	Multi resistance protein	-5.34
Mtr.29262.1.S1_at	3-hydroxy-3-methylglutaryl-coenzyme A reductase 2	-5.34
Mtr.52072.1.S1_at	Hypothetical protein	-5.34
Mtr.11265.1.S1_at	Glycosyl hydrolase	-5.33
Mtr.9508.1.S1_at	Leucine rich repeat-like protein	-5.33
Msa.3151.1.S1_at	Hypothetical protein	-5.33
Mtr.35849.1.S1_at	Hypothetical protein	-5.32
Mtr.4814.1.S1_at	AROGP2	-5.32
Msa.1835.1.S1_at	Hypothetical protein	-5.32
Msa.1588.1.S1_at	Hypothetical protein	-5.32
Mtr.40105.1.S1_at	Hypothetical protein	-5.32
Mtr.9532.1.S1_at	Hypothetical protein	-5.32
Mtr.40716.1.S1_at	WAP four-disulfide core domain protein 1	-5.31
Mtr.11721.1.S1_at	Lycopene epsilon-cyclase	-5.31
Mtr.45322.1.S1_at	Hypothetical protein	-5.31
Mtr.8501.1.S1_s_at	Glycolate oxidase	-5.30
Msa.1877.1.S1_at	Hypothetical protein	-5.30
Mtr.8575.1.S1_x_at	Glucosyltransferase-13	-5.30
Mtr.19596.1.S1_at	TPR repeat protein	-5.30
Mtr.41539.1.S1_at	Hypothetical protein	-5.30
Mtr.27682.1.S1_at	NS5 protein	-5.30
Mtr.39009.1.S1_at	Serine-rich protein	-5.29
Mtr.13736.1.S1_at	Senescence-associated protein SAG102	-5.29
Mtr.40668.1.S1_at	Hypothetical protein	-5.29
Mtr.2587.1.S1_at	Membrane-associated salt-inducible protein	-5.29
Mtr.14004.1.S1_at	Hypothetical protein	-5.28
Mtr.37696.1.S1_at	Hypothetical protein	-5.28
Mtr.29983.1.S1_s_at	Beta-carotene hydroxylase	-5.28
Mtr.6706.1.S1_at	Hypothetical protein	-5.28
Mtr.9045.1.S1_at	Carbonate dehydratase	-5.27
Mtr.40379.1.S1_at	Leucoanthocyanidin dioxygenase	-5.27
Mtr.41850.1.S1_at	Hypothetical protein	-5.27
Mtr.9347.1.S1_at	Hypothetical protein	-5.27
Mtr.37762.1.S1_at	Glutathione S-transferase GST 9	-5.27
Mtr.32117.1.S1_at	Hypothetical protein	-5.26
Mtr.13579.1.S1_at	Photoreceptor-interacting transcription factor	-5.26
Msa.3148.1.S1_at	Hypothetical protein	-5.26
Mtr.8435.1.S1_at	Lipoxygenase	-5.26
Mtr.12179.1.S1_at	Hypothetical protein	-5.26
Mtr.34494.1.S1_at	Hypothetical protein	-5.25
Mtr.32495.1.S1_at	Protein kinase	-5.25
Mtr.26217.1.S1_at	Auxin response factor 5	-5.24
Mtr.31555.1.S1_at	Beta-1,3-glucanase	-5.24
Mtr.8925.1.S1_s_at	Signal recognition particle 54 kDa subunit	-5.24
Mtr.38360.1.S1_at	Hypothetical protein	-5.24
Mtr.37072.1.S1_at	Hypothetical protein	-5.23
Mtr.43001.1.S1_at	Aminotransferase 2	-5.23
Mtr.1749.1.S1_s_at	MutT domain protein	-5.23
Mtr.12080.1.S1_s_at	Hypothetical protein	-5.22
Mtr.5510.1.S1_at	Hypothetical protein	-5.21
Mtr.39594.1.S1_at	Trehalose-6-phosphate phosphatase	-5.21
Mtr.44856.1.S1_at	Beta-amylase	-5.20

Mtr.4407.1.S1_at	Transcription factor, CCAAT-binding	-5.20
Mtr.35779.1.S1_at	Seed maturation protein PM27	-5.20
Mtr.29279.1.S1_at	Lipoxygenase	-5.20
Mtr.19280.1.S1_at	Multi antimicrobial extrusion protein MatE	-5.20
Msa.2593.1.S1_at	Hypothetical protein	-5.20
Mtr.5570.1.S1_at	Plasma membrane sulphate transporter	-5.19
Mtr.7911.1.S1_s_at	ER1-like receptor kinase	-5.19
Mtr.40297.1.S1_at	Cytochrome b6f complex subunit	-5.18
Msa.926.1.S1_at	Hypothetical protein	-5.18
Mtr.22047.1.S1_at	Hypothetical protein	-5.18
Mtr.25643.1.S1_at	B-type cyclin	-5.18
Mtr.37192.1.S1_at	Hypothetical protein	-5.18
Msa.473.1.S1_at	Hypothetical protein	-5.18
Mtr.17452.1.S1_at	Glycoside transferase	-5.18
Mtr.41066.1.S1_at	Hypothetical protein	-5.17
Mtr.9062.1.S1_at	Hypothetical protein	-5.17
Mtr.17195.1.S1_at	RNA-binding region RNP-1	-5.17
Mtr.39734.1.S1_at	Glutathione S-transferase	-5.16
Mtr.18673.1.S1_at	Esterase/lipase/thioesterase	-5.15
Mtr.12679.1.S1_at	Peroxiredoxin-like protein	-5.15
Mtr.40437.1.S1_at	ABC transporter	-5.15
Mtr.32399.1.S1_at	Hypothetical protein	-5.14
Mtr.6734.1.S1_s_at	Hypothetical protein	-5.14
Mtr.50716.1.S1_s_at	Glycosyl transferase	-5.13
Mtr.37688.1.S1_at	Hypothetical protein	-5.13
Mtr.2641.1.S1_at	Hypothetical protein	-5.13
Msa.1523.1.S1_at	Hypothetical protein	-5.12
Mtr.40232.1.S1_s_at	Geranylgeranyl hydrogenase	-5.12
Mtr.44687.1.S1_at	Hypothetical protein	-5.12
Mtr.35286.1.S1_at	Twist related protein 1	-5.11
Mtr.29418.1.S1_at	Hypothetical protein	-5.11
Msa.2895.1.S1_at	Hypothetical protein	-5.10
Mtr.43042.1.S1_at	LEDI-5c protein	-5.09
Mtr.10615.1.S1_at	Cellulose synthase catalytic subunit	-5.09
Mtr.39209.1.S1_at	Hypothetical protein	-5.09
Mtr.6365.1.S1_at	Acetolactate synthase	-5.09
Mtr.43323.1.S1_at	Polygalacturonase-like protein	-5.09
Mtr.10685.1.S1_at	Hypothetical protein	-5.09
Mtr.39386.1.S1_at	Hypothetical protein	-5.09
Mtr.39345.1.S1_at	Oligopeptidase B	-5.08
Mtr.40321.1.S1_at	Hydroperoxide lyase	-5.08
Msa.1503.1.S1_at	Hypothetical protein	-5.08
Mtr.21060.1.S1_at	Peptidyl-prolyl cis-trans isomerase, cyclophilin type	-5.08
Mtr.15949.1.S1_at	Hypothetical protein	-5.07
Mtr.24898.1.S1_at	Magnesium/proton exchanger (MHX1)	-5.07
Mtr.12831.1.S1_at	NBD-like protein	-5.07
Mtr.8447.1.S1_s_at	Hypothetical protein	-5.07
Mtr.14157.1.S1_at	Gibberellin regulated protein	-5.06
Mtr.27855.1.S1_at	Heat shock protein	-5.06
Mtr.44031.1.S1_at	Hypothetical protein	-5.06
Mtr.32711.1.S1_at	Hypothetical protein	-5.06
Mtr.34769.1.S1_at	Hypothetical protein	-5.06
Mtr.22479.1.S1_at	Anthocyanin 1	-5.05
Mtr.15921.1.S1_at	Hypothetical protein	-5.05

Mtr.52045.1.S1_at	Hypothetical protein	-5.05
Mtr.43891.1.S1_at	Hypothetical protein	-5.05
Mtr.40723.1.S1_at	Hypothetical protein	-5.04
Mtr.12672.1.S1_at	Cytochrome P-450 71A1	-5.04
Mtr.31344.1.S1_at	Oxidoreductase-like protein	-5.04
Mtr.4077.1.S1_at	Hypothetical protein	-5.04
Mtr.37359.1.S1_at	50S ribosomal protein L18	-5.04
Msa.1282.1.S1_at	Hypothetical protein	-5.04
Mtr.34452.1.S1_at	Hypothetical protein	-5.04
Mtr.8397.1.S1_at	Anthranilate synthase alpha subunit	-5.03
Mtr.12931.1.S1_at	Hypothetical protein	-5.03
Mtr.48824.1.S1_at	tRNA isopentenyltransferase	-5.02
Mtr.13781.1.S1_at	Hypothetical protein	-5.02
Mtr.44321.1.S1_at	Hypothetical protein	-5.02
Mtr.13442.1.S1_at	Hypothetical protein	-5.01
Mtr.13038.1.S1_at	Hypothetical protein	-5.01
Msa.3079.1.S1_at	Hypothetical protein	-5.01
Mtr.42974.1.S1_at	Hydroxyisourate hydrolase	-5.01
Mtr.9427.1.S1_at	Hypothetical protein	-5.01
Mtr.785.1.S1_s_at	Hypothetical protein	-5.01
Mtr.32662.1.S1_at	Beta-amylase	-5.00
Mtr.31160.1.S1_at	En/Spm-like transposon protein	-5.00
Mtr.51697.1.S1_at	Hypothetical protein	-4.99
Mtr.44918.1.S1_at	Lysophospholipase 1 precursor	-4.99
Mtr.44756.1.S1_at	Hypothetical protein	-4.99
Mtr.38455.1.S1_at	Hypothetical protein	-4.99
Mtr.12359.1.S1_at	Hypothetical protein	-4.99
Mtr.44620.1.S1_at	Polygalacturonase	-4.99
Mtr.4684.1.S1_s_at	Hypothetical protein	-4.98
Mtr.44847.1.S1_at	Glycosyltransferase family protein 47	-4.98
Mtr.1796.1.S1_at	Hypothetical protein	-4.98
Mtr.4037.1.S1_at	Hypothetical protein	-4.98
Mtr.43771.1.S1_at	Hypothetical protein	-4.98
Mtr.28729.1.S1_at	Serine protease-like protein	-4.98
Mtr.13670.1.S1_at	Hypothetical protein	-4.97
Mtr.44765.1.S1_at	Lycopene epsilon cyclase	-4.97
Mtr.3869.1.S1_at	Hypothetical protein	-4.97
Mtr.49874.1.S1_at	Zn-finger, RING	-4.97
Mtr.6322.1.S1_s_at	Cytochrome P450	-4.96
Mtr.43371.1.S1_at	Peroxidase	-4.96
Mtr.8269.1.S1_at	Hypothetical protein	-4.96
Mtr.12754.1.S1_at	Hypothetical protein	-4.95
Mtr.10170.1.S1_at	Hypothetical protein	-4.95
Mtr.40305.1.S1_at	Hypothetical protein	-4.95
Mtr.15024.1.S1_at	Hypothetical protein	-4.95
Mtr.3201.1.S1_at	LysM domain-containing receptor-like kinase 1	-4.95
Mtr.24230.1.S1_at	Isoflavone reductase	-4.95
Msa.2963.1.S1_at	Hypothetical protein	-4.94
Msa.1405.1.S1_at	Hypothetical protein	-4.94
Mtr.21631.1.S1_at	Peptide chain release factor 2	-4.94
Mtr.31392.1.S1_s_at	Desiccation protectant protein Lea14	-4.94
Mtr.15326.1.S1_at	ABA/WDS induced protein	-4.94
Mtr.8478.1.S1_at	Cytochrome P450	-4.94
Mtr.27870.1.S1_at	Hypothetical protein	-4.93

Mtr.30845.1.S1_at	Nodulin-like protein	-4.93
Mtr.44755.1.S1_at	LRR-like protein	-4.93
Msa.1150.1.S1_at	Hypothetical protein	-4.93
Msa.1689.1.S1_at	Hypothetical protein	-4.93
Mtr.13829.1.S1_at	Hypothetical protein	-4.93
Mtr.29249.1.S1_at	Hypothetical protein	-4.92
Mtr.7993.1.S1_s_at	Glyceraldehyde-3-phosphate dehydrogenase	-4.92
Mtr.50857.1.S1_at	Peptidase S10	-4.92
Mtr.14245.1.S1_at	Hypothetical protein	-4.92
Mtr.5792.1.S1_at	Hypothetical protein	-4.91
Mtr.38815.1.S1_at	Hypothetical protein	-4.91
Mtr.5786.1.S1_at	MAP kinase	-4.91
Msa.2707.1.S1_at	Hypothetical protein	-4.91
Msa.1083.1.S1_at	Hypothetical protein	-4.90
Mtr.1621.1.S1_s_at	Hypothetical protein	-4.90
Msa.985.1.S1_at	Hypothetical protein	-4.90
Mtr.38245.1.S1_at	Transcription factor RAU1	-4.90
Mtr.20901.1.S1_s_at	Heat shock protein Hsp70	-4.89
Mtr.38047.1.S1_at	Monogalactosyldiacylglycerol synthase	-4.89
Mtr.28777.1.S1_at	Hypothetical protein	-4.89
Mtr.33440.1.S1_at	30S ribosomal protein S16	-4.88
Mtr.44455.1.S1_at	Hypothetical protein	-4.88
Mtr.41614.1.S1_at	Hypothetical protein	-4.88
Mtr.9382.1.S1_at	Serine carboxypeptidase II	-4.88
Mtr.8504.1.S1_at	Hypothetical protein	-4.88
Mtr.9861.1.S1_at	Hypothetical protein	-4.88
Mtr.9495.1.S1_at	Sugar transporter	-4.87
Mtr.34855.1.S1_at	Receptor-like protein kinase 2	-4.87
Mtr.40550.1.S1_at	Hypothetical protein	-4.87
Mtr.33840.1.S1_at	Hypothetical protein	-4.87
Mtr.25447.1.S1_at	Hypothetical protein	-4.87
Mtr.40978.1.S1_at	Hypothetical protein	-4.87
Mtr.39502.1.S1_at	Hypothetical protein	-4.87
Mtr.223.1.S1_at	Photolyase/blue-light receptor	-4.86
Mtr.831.1.S1_at	Hypothetical protein	-4.86
Mtr.8926.1.S1_at	Alpha-D-xylosidase	-4.86
Mtr.41057.1.S1_at	Hypothetical protein	-4.85
Mtr.27040.1.S1_s_at	Hypothetical protein	-4.85
Mtr.7486.1.S1_s_at	Zinc finger protein	-4.85
Mtr.34765.1.S1_at	Hypothetical protein	-4.85
Mtr.8572.1.S1_at	Thaumatococcus-like protein	-4.84
Msa.3056.1.S1_at	Hypothetical protein	-4.84
Mtr.42503.1.S1_at	Isoflavonoid glucosyltransferase	-4.84
Mtr.784.1.S1_s_at	Hypothetical protein	-4.84
Mtr.11698.1.S1_at	APETALA3	-4.84
Mtr.10231.1.S1_at	Hypothetical protein	-4.84
Mtr.49132.1.S1_at	Ferredoxin	-4.84
Mtr.37806.1.S1_at	Cellulose synthase	-4.83
Mtr.42284.1.S1_at	Hypothetical protein	-4.83
Mtr.9325.1.S1_at	Hypothetical protein	-4.83
Mtr.30134.1.S1_at	Serine carboxypeptidase	-4.83
Mtr.6087.1.S1_at	Hypothetical protein	-4.83
Mtr.50278.1.S1_s_at	Ras GTPase	-4.83
Mtr.27879.1.S1_at	Hypothetical protein	-4.82

Mtr.16894.1.S1_at	Zn-finger, CCHC type	-4.82
Msa.341.1.S1_at	Hypothetical protein	-4.82
Mtr.41288.1.S1_at	Hypothetical protein	-4.82
Mtr.40565.1.S1_at	GTP-binding protein	-4.81
Mtr.40744.1.S1_at	Hypothetical protein	-4.81
Mtr.38175.1.S1_at	Hypothetical protein	-4.81
Mtr.33530.1.S1_at	Hypothetical protein	-4.81
Mtr.43506.1.S1_at	Hypothetical protein	-4.81
Mtr.1424.1.S1_at	Hypothetical protein	-4.80
Mtr.11739.1.S1_s_at	Homogentisate phytylprenyltransferase	-4.80
Mtr.27440.1.S1_at	Hypothetical protein	-4.80
Mtr.19208.1.S1_at	Zn-finger, RING	-4.80
Mtr.31664.1.S1_at	Hypothetical protein	-4.79
Mtr.37156.1.S1_at	Hypothetical protein	-4.79
Mtr.42585.1.S1_at	Hypothetical protein	-4.79
Mtr.8942.1.S1_at	Desiccation protectant protein Lea14	-4.79
Mtr.25990.1.S1_at	Hypothetical protein	-4.79
Mtr.37299.1.S1_at	Hypothetical protein	-4.79
Mtr.12856.1.S1_at	Hypothetical protein	-4.79
Mtr.28080.1.S1_at	Anthocyanin 5-aromatic acyltransferase/benzoyltransferase-like protein	-4.79
Mtr.6765.1.S1_at	Hypothetical protein	-4.79
Mtr.31565.1.S1_s_at	Hypothetical protein	-4.78
Mtr.45813.1.S1_at	Hypothetical protein	-4.78
Mtr.40184.1.S1_at	FtsH protease (VAR2)	-4.78
Mtr.11186.1.S1_at	Pyruvate, phosphate dikinase	-4.78
Msa.2997.1.S1_at	Hypothetical protein	-4.78
Mtr.15246.1.S1_at	ABC transporter	-4.78
Mtr.10800.1.S1_s_at	Hypothetical protein	-4.78
Mtr.1405.1.S1_at	Hypothetical protein	-4.78
Mtr.8848.1.S1_at	Alpha-xylosidase	-4.77
Mtr.38223.1.S1_at	Acyltransferase	-4.77
Mtr.41591.1.S1_at	3-ketoacyl-ACP synthase	-4.77
Mtr.51232.1.S1_at	Multi antimicrobial extrusion protein MatE	-4.76
Mtr.17267.1.S1_at	Hypothetical protein	-4.76
Mtr.44793.1.S1_at	Hypothetical protein	-4.76
Mtr.45471.1.S1_at	Hypothetical protein	-4.76
Mtr.45264.1.S1_at	Hypothetical protein	-4.76
Mtr.38761.1.S1_s_at	Cell division protein FtsH-like	-4.76
Msa.1739.1.S1_at	Hypothetical protein	-4.76
Mtr.8878.1.S1_at	Hypothetical protein	-4.76
Mtr.44396.1.S1_at	Hypothetical protein	-4.75
Mtr.11645.1.S1_at	Methionine aminopeptidase	-4.75
Mtr.6008.1.S1_at	Hypothetical protein	-4.75
Mtr.44189.1.S1_at	BEL1-related homeotic protein 14	-4.75
Mtr.29172.1.S1_at	Hypothetical protein	-4.74
Mtr.13501.1.S1_at	Alanyl-tRNA synthetase	-4.74
Mtr.43269.1.S1_at	30S ribosomal protein S1	-4.74
Mtr.37893.1.S1_s_at	Cytochrome P450 monooxygenase	-4.74
Mtr.6354.1.S1_at	TPR-containing protein	-4.73
Mtr.37429.1.S1_at	Cytosolic aldehyde dehydrogenase	-4.73
Mtr.20847.1.S1_at	MtN3 and saliva related transmembrane protein	-4.73
Mtr.20846.1.S1_at	MtN3 and saliva related transmembrane protein	-4.73
Mtr.50278.1.S1_at	Ras GTPase	-4.73
Mtr.713.1.S1_s_at	Nucleotide pyrophosphatase	-4.73

Mtr.8877.1.S1_at	Hypothetical protein	-4.73
Mtr.35108.1.S1_s_at	Hypothetical protein	-4.72
Mtr.28002.1.S1_at	Hypothetical protein	-4.72
Mtr.10212.1.S1_at	Hypothetical protein	-4.72
Mtr.7389.1.S1_s_at	Yippee-like protein	-4.72
Mtr.13786.1.S1_at	Hypothetical protein	-4.72
Msa.911.1.S1_at	Hypothetical protein	-4.71
Mtr.9270.1.S1_at	Hypothetical protein	-4.71
Mtr.15385.1.S1_at	UbiA prenyltransferase	-4.71
Mtr.8460.1.S1_s_at	Pathogen-inducible alpha-dioxygenase	-4.70
Mtr.41249.1.S1_at	30S ribosomal protein S13	-4.70
Mtr.25580.1.S1_at	Hypothetical protein	-4.70
Mtr.44600.1.S1_at	Hypothetical protein	-4.70
Mtr.41953.1.S1_at	Hypothetical protein	-4.70
Mtr.6062.1.S1_at	Hypothetical protein	-4.70
Msa.2749.1.S1_at	Hypothetical protein	-4.70
Mtr.45294.1.S1_at	Methionine synthase	-4.70
Mtr.24815.1.S1_at	Glutaredoxin protein	-4.70
Mtr.36918.1.S1_at	Hypothetical protein	-4.69
Mtr.33410.1.S1_at	Hypothetical protein	-4.69
Mtr.14223.1.S1_at	bHLH DNA-binding	-4.69
Mtr.42658.1.S1_at	Ski protein	-4.69
Mtr.50224.1.S1_s_at	Hypothetical protein	-4.68
Mtr.45146.1.S1_at	Apolipoprotein D	-4.68
Mtr.32895.1.S1_at	Hypothetical protein	-4.68
Mtr.46498.1.S1_at	Hypothetical protein	-4.68
Mtr.39361.1.S1_at	Glucanase like protein	-4.67
Mtr.28688.1.S1_at	Hypothetical protein	-4.67
Mtr.31359.1.S1_at	Hypothetical protein	-4.67
Mtr.9831.1.S1_at	Mechanosensitive ion channel domain-containing protein	-4.66
Mtr.11222.1.S1_at	Hypothetical protein	-4.66
Mtr.39292.1.S1_at	Hypothetical protein	-4.66
Mtr.9268.1.S1_at	Hypothetical protein	-4.65
Mtr.20398.1.S1_at	Hypothetical protein	-4.65
Mtr.35557.1.S1_s_at	Hypothetical protein	-4.65
Mtr.37441.1.S1_s_at	Alcohol dehydrogenase 1	-4.65
Mtr.32351.1.S1_at	Hypothetical protein	-4.64
Mtr.29176.1.S1_at	Metal-dependent phosphohydrolase	-4.64
Mtr.40976.1.S1_at	Transcription factor Hap5a	-4.64
Mtr.42512.1.S1_at	Sugar transporter-like protein	-4.64
Mtr.44149.1.S1_at	Aquaporin	-4.64
Mtr.12572.1.S1_at	Hypothetical protein	-4.64
Mtr.13967.1.S1_at	Phosphoenolpyruvate carboxylase	-4.64
Mtr.43992.1.S1_at	Methionine synthase	-4.64
Mtr.44100.1.S1_at	Hypothetical protein	-4.64
Msa.1844.1.S1_at	Hypothetical protein	-4.63
Mtr.37759.1.S1_at	ERD4 protein	-4.63
Mtr.44012.1.S1_at	Hypothetical protein	-4.63
Mtr.8416.1.S1_s_at	Cytochrome b	-4.63
Msa.399.1.S1_at	Hypothetical protein	-4.63
Mtr.37531.1.S1_at	Hypothetical protein	-4.62
Mtr.28232.1.S1_s_at	RNA helicase-like protein	-4.62
Msa.1765.1.S1_at	Hypothetical protein	-4.62
Mtr.34734.1.S1_at	High affinity potassium transporter 2	-4.62



Mtr.39922.1.S1_at	Hypothetical protein	-4.62
Mtr.44759.1.S1_at	E-beta-ocimene synthase	-4.62
Mtr.8392.1.S1_at	4-alpha-glucanotransferase	-4.61
Mtr.43806.1.S1_at	Hypothetical protein	-4.61
Mtr.8609.1.S1_at	Photosystem II reaction center	-4.61
Mtr.12532.1.S1_at	Patatin-like protein 1	-4.59
Mtr.41127.1.S1_at	Pherophorin	-4.59
Mtr.16995.1.S1_at	Hypothetical protein	-4.59
Mtr.52127.1.S1_at	2OG-Fe(II) oxygenase	-4.59
Mtr.34680.1.S1_at	Actin-related protein 8B	-4.59
Mtr.10882.1.S1_at	Hypothetical protein	-4.58
Mtr.10607.1.S1_at	PS60 protein	-4.58
Mtr.44063.1.S1_at	Hypothetical protein	-4.57
Mtr.5456.1.S1_at	Valine-tRNA ligase	-4.57
Mtr.18567.1.S1_at	Pyruvate kinase	-4.57
Mtr.40869.1.S1_at	Hypothetical protein	-4.56
Mtr.44730.1.S1_at	Nitrate transporter	-4.56
Mtr.50181.1.S1_s_at	Vitamin B6 biosynthesis protein	-4.56
Mtr.42104.1.S1_at	Heterotrimeric G-protein gamma subunit 2	-4.56
Mtr.50437.1.S1_s_at	Hypothetical protein	-4.56
Mtr.9652.1.S1_at	Hypothetical protein	-4.56
Mtr.7062.1.S1_at	Hypothetical protein	-4.56
Mtr.41933.1.S1_at	Kexin	-4.56
Mtr.16129.1.S1_at	Hypothetical protein	-4.55
Msa.1589.1.S1_at	Hypothetical protein	-4.55
Mtr.41133.1.S1_at	Bell-like homeodomain protein 3	-4.55
Mtr.2656.1.S1_at	Serine/threonine protein kinase	-4.55
Msa.3170.1.S1_at	Hypothetical protein	-4.55
Mtr.42432.1.S1_at	Hypothetical protein	-4.55
Mtr.14334.1.S1_at	Cytochrome b561	-4.54
Mtr.11185.1.S1_at	SEX1	-4.54
Mtr.31151.1.S1_at	Hypothetical protein	-4.54
Mtr.37091.1.S1_at	Hypothetical protein	-4.54
Mtr.20860.1.S1_at	Hypothetical protein	-4.54
Mtr.41900.1.S1_at	Hypothetical protein	-4.54
Mtr.46514.1.S1_x_at	Alpha/beta-amyrin synthase	-4.53
Mtr.9709.1.S1_at	Hypothetical protein	-4.53
Msa.2217.1.S1_at	Hypothetical protein	-4.53
Mtr.39889.1.S1_at	Pherophorin - like protein	-4.53
Mtr.8981.1.S1_at	Hypothetical protein	-4.53
Mtr.12904.1.S1_at	Pectinacetylerase	-4.53
Mtr.37315.1.S1_at	Glycolate oxidase	-4.53
Mtr.31155.1.S1_at	Neutral invertase	-4.52
Mtr.36792.1.S1_at	Hypothetical protein	-4.52
Mtr.41434.1.S1_at	Threonine synthase	-4.52
Mtr.49018.1.S1_at	30S ribosomal protein S31	-4.52
Mtr.46510.1.S1_at	Alpha/beta-amyrin synthase	-4.52
Mtr.13573.1.S1_at	Cleavage stimulation factor 50	-4.52
Mtr.13885.1.S1_at	Actin-like protein	-4.52
Mtr.44737.1.S1_at	Hypothetical protein	-4.51
Mtr.44783.1.S1_at	Hypothetical protein	-4.51
Mtr.33734.1.S1_at	Phosphoglycerate mutase	-4.51
Msa.1903.1.S1_at	Hypothetical protein	-4.51
Mtr.10566.1.S1_at	Hypothetical protein	-4.51

Msa.2882.1.S1_at	Hypothetical protein	-4.51
Mtr.37256.1.S1_at	Hypothetical protein	-4.51
Mtr.40913.1.S1_at	Hypothetical protein	-4.51
Mtr.13198.1.S1_at	PHAP2B protein	-4.51
Mtr.8830.1.S1_at	Hypothetical protein	-4.51
AFFX-Mtr-gsta-5_at	2,4-D inducible glutathione S-transferase	-4.50
Mtr.27901.1.S1_at	Hypothetical protein	-4.50
Msa.2125.1.S1_at	Hypothetical protein	-4.50
Mtr.43912.1.S1_at	Hypothetical protein	-4.50
Mtr.23937.1.S1_at	Hypothetical protein	-4.49
Mtr.20125.1.S1_at	Glycoside hydrolase	-4.49
Mtr.28675.1.S1_s_at	Polygalacturonase	-4.49
Mtr.33742.1.S1_at	Acyl-CoA thioesterase	-4.49
Mtr.11277.1.S1_at	Hydroxymethylglutaryl-CoA lyase	-4.49
Mtr.39481.1.S1_at	Hypothetical protein	-4.49
Mtr.30692.1.S1_at	Receptor-protein kinase	-4.49
Mtr.10045.1.S1_at	Hypothetical protein	-4.49
Msa.2782.1.S1_at	Hypothetical protein	-4.48
Mtr.5904.1.S1_at	Salt-inducible protein	-4.48
Mtr.44684.1.S1_at	Nucleotide pyrophosphatase-like protein	-4.48
Msa.3039.1.S1_at	Hypothetical protein	-4.48
Mtr.50233.1.S1_at	Initiation factor 3	-4.47
Mtr.4684.1.S1_at	Hypothetical protein	-4.47
Mtr.40458.1.S1_at	Hypothetical protein	-4.47
Mtr.44377.1.S1_at	Ferric leghemoglobin reductase	-4.47
Mtr.10065.1.S1_at	Hypothetical protein	-4.47
Mtr.32860.1.S1_s_at	Hypothetical protein	-4.47
Mtr.45556.1.S1_at	Actin-related protein 8A	-4.46
Mtr.6093.1.S1_s_at	Subtilisin-like protease	-4.46
Mtr.44182.1.S1_s_at	LEA protein	-4.46
Mtr.41835.1.S1_at	Hypothetical protein	-4.46
Mtr.29095.1.S1_at	Respiratory burst oxidase homolog	-4.46
Mtr.47127.1.S1_at	Far-red impaired response protein	-4.46
Mtr.38114.1.S1_at	Thioredoxin M-type 4	-4.46
Mtr.26195.1.S1_at	Hypothetical protein	-4.46
Mtr.43826.1.S1_at	Hypothetical protein	-4.45
Mtr.27418.1.S1_at	Hypothetical protein	-4.45
Mtr.42095.1.S1_at	Receptor like protein	-4.45
Mtr.33779.1.S1_at	Threonyl-tRNA synthetase	-4.44
Mtr.9679.1.S1_at	Thioredoxin 3	-4.44
Mtr.1092.1.S1_at	ABC transporter	-4.43
Mtr.45276.1.S1_at	LIM domain containing protein	-4.43
Mtr.15418.1.S1_at	Histone deacetylase	-4.43
Mtr.10656.1.S1_at	Sucrose-phosphate synthase	-4.43
Mtr.33111.1.S1_at	Hypothetical protein	-4.43
Mtr.5125.1.S1_s_at	Isoflavone reductase	-4.42
Mtr.43995.1.S1_at	Hypothetical protein	-4.42
Mtr.33105.1.S1_at	Hypothetical protein	-4.42
Mtr.22791.1.S1_at	UDP-glucose pyrophosphorylase	-4.42
Mtr.47389.1.S1_at	Hypothetical protein	-4.41
Mtr.45509.1.S1_at	Hypothetical protein	-4.41
Mtr.10186.1.S1_at	Hypothetical protein	-4.41
Mtr.40332.1.S1_at	5,10-methylenetetrahydrofolate dehydrogenase	-4.41
Mtr.9095.1.S1_at	30S ribosomal protein S9	-4.41

Mtr.12803.1.S1_at	Pyridoxamine 5-phosphate oxidase	-4.41
Mtr.35932.1.S1_at	Na <sup>+</sup> /H <sup>+</sup> antiporter	-4.40
Mtr.49926.1.S1_at	Mitochondrial carrier protein	-4.40
Mtr.49527.1.S1_at	Lipolytic enzyme	-4.40
Mtr.4981.1.S1_at	Dehydration-responsive protein	-4.40
Mtr.37849.1.S1_at	Fe-superoxide dismutase	-4.40
Mtr.6699.1.S1_at	Lhcb2 protein (Light harvesting chlorophyll a/b-binding protein)	-4.40
Mtr.49774.1.S1_at	Auxin responsive SAUR protein	-4.38
Msa.1658.1.S1_at	Hypothetical protein	-4.38
Mtr.32040.1.S1_at	Hypothetical protein	-4.38
Mtr.553.1.S1_at	Hypothetical protein	-4.38
Mtr.43492.1.S1_at	Hypothetical protein	-4.37
Mtr.45329.1.S1_at	Protein kinase	-4.37
Mtr.12143.1.S1_at	Hypothetical protein	-4.37
Mtr.9855.1.S1_at	Hypothetical protein	-4.37
Mtr.9284.1.S1_at	Hypothetical protein	-4.37
Msa.3138.1.S1_at	Hypothetical protein	-4.37
Mtr.19329.1.S1_at	Hypothetical protein	-4.37
Mtr.43427.1.S1_at	Hypothetical protein	-4.37
Mtr.9651.1.S1_at	Transcription factor	-4.36
Mtr.38029.1.S1_at	Chloroplast 50S ribosomal protein L31	-4.36
Mtr.28730.1.S1_at	En/Spm-like transposon protein	-4.36
Msa.2936.1.S1_at	Hypothetical protein	-4.35
Mtr.18153.1.S1_at	Hypothetical protein	-4.35
Msa.2836.1.S1_at	Hypothetical protein	-4.35
Mtr.51659.1.S1_at	Hypothetical protein	-4.35
Mtr.4792.1.S1_at	Leaf ubiquitous urease	-4.35
Mtr.37175.1.S1_at	Chlorophyll a/b binding protein	-4.35
Mtr.33726.1.S1_at	Sugar transporter-like protein	-4.35
Mtr.37336.1.S1_at	RNA-binding protein 2	-4.34
Mtr.35494.1.S1_at	Hypothetical protein	-4.34
Mtr.13750.1.S1_at	Ent-kaurenoic acid hydroxylase	-4.34
Mtr.9793.1.S1_at	4-coumarate-CoA ligase	-4.34
Mtr.43083.1.S1_s_at	Phosphoglucomutase	-4.34
Mtr.20942.1.S1_x_at	Serine/threonine protein kinase	-4.34
Mtr.10248.1.S1_at	Peroxidase	-4.34
Mtr.17374.1.S1_at	C4-dicarboxylate transporter/malic acid transport protein	-4.33
Msa.3084.1.S1_at	Hypothetical protein	-4.33
Mtr.5253.1.S1_s_at	Hypothetical protein	-4.33
Mtr.27203.1.S1_at	Hypothetical protein	-4.32
Mtr.6724.1.S1_at	Hypothetical protein	-4.32
Mtr.9728.1.S1_at	Hypothetical protein	-4.32
Mtr.19007.1.S1_at	Barwin-related endoglucanase	-4.32
Mtr.19679.1.S1_s_at	Phospholipase/Carboxylesterase	-4.32
Mtr.49120.1.S1_s_at	Cysteine synthase A	-4.32
Mtr.12363.1.S1_at	Hypothetical protein	-4.32
Mtr.11841.1.S1_at	Lecithine cholesterol acyltransferase	-4.31
Mtr.10198.1.S1_at	Phosphoenolpyruvate carboxylase	-4.31
Mtr.10917.1.S1_at	Cytochrome P450 77A3	-4.31
Mtr.34451.1.S1_at	Hypothetical protein	-4.31
Mtr.40408.1.S1_at	Photosystem II	-4.31
Mtr.27207.1.S1_s_at	Hypothetical protein	-4.30
Mtr.42357.1.S1_at	Hypothetical protein	-4.30
Mtr.5029.1.S1_at	Hypothetical protein	-4.30

Mtr.27078.1.S1_at	Selenium-binding protein	-4.30
Mtr.19577.1.S1_s_at	Aldehyde decarboxylase	-4.30
Mtr.48940.1.S1_at	Protein phosphatase 2C	-4.30
Mtr.27854.1.S1_s_at	NADP-dependent oxidoreductase P1	-4.29
Mtr.48994.1.S1_at	Hypothetical protein	-4.29
Mtr.43518.1.S1_at	Plastidic cysteine synthase 1	-4.29
Mtr.44721.1.S1_at	Rust resistance kinase Lr10	-4.29
Mtr.49166.1.S1_at	Short-chain dehydrogenase/reductase	-4.28
Mtr.38453.1.S1_at	Proline-rich protein	-4.28
Mtr.34176.1.S1_at	Hypothetical protein	-4.28
Mtr.46448.1.S1_s_at	Hypothetical protein	-4.28
Mtr.25077.1.S1_at	Hypothetical protein	-4.28
Mtr.13648.1.S1_at	Hypothetical protein	-4.28
Mtr.41052.1.S1_at	RING zinc finger protein	-4.28
Mtr.15256.1.S1_at	RNA-binding region RNP-1	-4.27
Mtr.33506.1.S1_at	Hypothetical protein	-4.27
Mtr.41461.1.S1_at	Hypothetical protein	-4.27
Mtr.43677.1.S1_at	50S ribosomal protein L5	-4.27
Mtr.37442.1.S1_at	Alcohol dehydrogenase 1	-4.27
Mtr.33027.1.S1_at	Hypothetical protein	-4.26
Mtr.44561.1.S1_at	Threonine synthase	-4.26
Mtr.32024.1.S1_at	Hypothetical protein	-4.26
Mtr.10800.1.S1_at	Hypothetical protein	-4.26
Mtr.24083.1.S1_s_at	Uroporphyrinogen decarboxylase	-4.26
Mtr.11319.1.S1_at	Hypothetical protein	-4.25
Mtr.31577.1.S1_at	Phosphoribosylformimino-5-aminoimidazole carboxamide ribotide isomerase	-4.25
Mtr.7450.1.S1_at	Hypothetical protein	-4.25
Mtr.32688.1.S1_at	Hypothetical protein	-4.25
Mtr.13372.1.S1_at	Hypothetical protein	-4.25
Mtr.37642.1.S1_at	NADP-dependent oxidoreductase P2	-4.25
Mtr.9263.1.S1_at	Glycine-tRNA ligase	-4.25
Mtr.43678.1.S1_at	Hypothetical protein	-4.24
Mtr.5745.1.S1_at	Receptor-like protein kinase	-4.24
Mtr.37436.1.S1_at	Hypersensitive-induced response protein	-4.24
Mtr.44590.1.S1_s_at	Glycuronosyltransferase-like protein	-4.24
Msa.2909.1.S1_at	Hypothetical protein	-4.23
Mtr.9820.1.S1_at	MADS box protein GHMADS-2	-4.23
Mtr.38346.1.S1_at	Hypothetical protein	-4.23
Mtr.44280.1.S1_at	Avr9/Cf-9 induced kinase 1	-4.23
Msa.2963.1.S1_s_at	Hypothetical protein	-4.23
Mtr.6751.1.S1_at	Hypothetical protein	-4.22
Mtr.1035.1.S1_at	Heat shock protein	-4.22
Mtr.37406.1.S1_at	Hypothetical protein	-4.22
Mtr.39220.1.S1_at	Methyltransferase	-4.22
Mtr.8748.1.S1_at	Methionine synthase	-4.22
Mtr.34318.1.S1_at	Receptor-like protein kinase	-4.22
Mtr.6063.1.S1_at	Glucosyltransferase	-4.21
Mtr.5242.1.S1_at	Cellulose synthase	-4.21
Msa.1378.1.S1_at	Hypothetical protein	-4.21
Mtr.7932.1.S1_s_at	Allyl alcohol dehydrogenase	-4.21
Mtr.43636.1.S1_at	Fructose-6-phosphate 2-kinase	-4.21
Mtr.43250.1.S1_at	Subtilisin-like protease	-4.21
Mtr.9857.1.S1_at	Hypothetical protein	-4.21
Mtr.39618.1.S1_at	Prolyl tRNA synthetase	-4.21

Mtr.13924.1.S1_at	Glucosyltransferase like protein	-4.20
Mtr.8908.1.S1_at	Hypothetical protein	-4.20
Msa.3181.1.S1_at	Hypothetical protein	-4.20
Mtr.32057.1.S1_at	Hypothetical protein	-4.20
Mtr.1427.1.S1_at	Hypothetical protein	-4.19
Mtr.40545.1.S1_at	HSP associated protein	-4.18
Mtr.7633.1.S1_at	Hypothetical protein	-4.18
Mtr.8503.1.S1_at	Photosystem II reaction center W protein	-4.18
Mtr.16895.1.S1_at	Hypothetical protein	-4.18
Mtr.6854.1.S1_at	Two-component system sensor histidine kinase	-4.18
Mtr.8870.1.S1_at	Cytochrome P450 monooxygenase	-4.18
Msa.984.1.S1_at	Hypothetical protein	-4.18
Mtr.33880.1.S1_s_at	Hypothetical protein	-4.18
Mtr.38980.1.S1_at	Isopiperitenone reductase	-4.17
Mtr.42121.1.S1_at	1-aminocyclopropane-1-carboxylate synthase	-4.17
Mtr.40121.1.S1_at	Peroxidase1C	-4.17
Mtr.45183.1.S1_at	Hyaluronan mediated motility receptor	-4.17
Mtr.34408.1.S1_s_at	Hypothetical protein	-4.17
Mtr.13869.1.S1_at	Calcium-activated outward-rectifying potassium channel 5	-4.17
Mtr.13202.1.S1_at	Cellulose synthase CesA-1	-4.17
Mtr.32657.1.S1_s_at	Beta-amylase	-4.17
Mtr.28982.1.S1_at	Hypothetical protein	-4.16
Mtr.20868.1.S1_at	Glycoside hydrolase	-4.16
Mtr.34220.1.S1_at	Hypothetical protein	-4.15
Mtr.42820.1.S1_at	RING/C3HC4/PHD zinc finger	-4.15
Mtr.38478.1.S1_at	Hypothetical protein	-4.15
Msa.1138.1.S1_at	Hypothetical protein	-4.15
Mtr.31405.1.S1_at	CDR1	-4.15
Mtr.51973.1.S1_at	Seed maturation protein	-4.15
Mtr.41864.1.S1_at	Hypothetical protein	-4.14
Mtr.33046.1.S1_at	Hypothetical protein	-4.14
Mtr.28632.1.S1_at	Hypothetical protein	-4.14
Mtr.11798.1.S1_at	Cellulose synthase	-4.14
Mtr.27903.1.S1_at	High mobility group protein 1	-4.14
Mtr.20900.1.S1_at	Hypothetical protein	-4.14
Mtr.43596.1.S1_at	Plastid ribosomal protein L19	-4.13
Mtr.39493.1.S1_at	Squamosa promoter binding protein-like 8	-4.12
Mtr.16430.1.S1_at	Hypothetical protein	-4.12
Mtr.9623.1.S1_at	Hypothetical protein	-4.12
Mtr.24954.1.S1_s_at	Protein kinase	-4.12
Mtr.29094.1.S1_s_at	Hypothetical protein	-4.11
Mtr.34499.1.S1_at	Hypothetical protein	-4.11
Mtr.12407.1.S1_at	Glutamate decarboxylase	-4.11
Mtr.24235.1.S1_at	Hypothetical protein	-4.11
Mtr.39152.1.S1_at	Mitochondrial half-ABC transporter	-4.10
Mtr.3096.1.S1_at	Glycosyl hydrolase	-4.10
Mtr.6112.1.S1_at	Cytochrome P450	-4.10
Mtr.42749.1.S1_at	Late embryogenesis abundant protein 1	-4.10
Mtr.9891.1.S1_at	Hypothetical protein	-4.10
Mtr.42054.1.S1_at	Glu-tRNA(Gln) amidotransferase subunit A	-4.10
Mtr.40151.1.S1_at	Cellulose synthase	-4.10
Mtr.31183.1.S1_x_at	Long-chain acyl-CoA synthetase 6	-4.09
Mtr.49014.1.S1_at	SNO glutamine amidotransferase	-4.09
Mtr.41015.1.S1_at	Hypothetical protein	-4.09

Msa.2740.1.S1_at	Hypothetical protein	-4.09
Msa.579.1.S1_at	Hypothetical protein	-4.09
Mtr.51597.1.S1_s_at	Hypothetical protein	-4.08
Mtr.10452.1.S1_at	Hypothetical protein	-4.08
Mtr.28467.1.S1_s_at	Aspartyl aminopeptidase	-4.08
Mtr.6148.1.S1_x_at	Serine carboxypeptidase II-2	-4.08
Mtr.40395.1.S1_at	MtN29 protein	-4.08
Mtr.8454.1.S1_at	Hypothetical protein	-4.08
Mtr.43725.1.S1_at	50S ribosomal protein L24	-4.08
Mtr.24829.1.S1_at	Hypothetical protein	-4.08
Mtr.12114.1.S1_at	Cyclophilin-40	-4.08
Mtr.32928.1.S1_s_at	Hypothetical protein	-4.08
Mtr.49845.1.S1_at	Hypothetical protein	-4.08
Mtr.34714.1.S1_at	Hypothetical protein	-4.07
Mtr.40653.1.S1_at	Hypothetical protein	-4.07
Mtr.14580.1.S1_at	Zn-finger, RING	-4.07
Mtr.36941.1.S1_at	Hypothetical protein	-4.07
Mtr.7035.1.S1_at	Hypothetical protein	-4.07
Mtr.38413.1.S1_at	Myb-related transcription factor	-4.07
Mtr.41142.1.S1_at	ABC transporter	-4.07
Mtr.39702.1.S1_at	Hypothetical protein	-4.06
Mtr.41992.1.S1_at	Endo-beta-N-acetylglucosaminidase	-4.06
Mtr.10835.1.S1_s_at	Hypothetical protein	-4.06
Mtr.12644.1.S1_at	Fiber protein Fb34	-4.05
Mtr.27917.1.S1_s_at	Yippee-like protein	-4.05
Mtr.2385.1.S1_at	Hypothetical protein	-4.05
Mtr.22750.1.S1_at	Hypothetical protein	-4.05
Mtr.51607.1.S1_at	Hypothetical protein	-4.05
Mtr.46659.1.S1_at	Hypothetical protein	-4.04
Mtr.1962.1.S1_at	MRP-like ABC transporter	-4.04
Mtr.8807.1.S1_at	Phospholipase-like protein	-4.03
Mtr.10312.1.S1_at	Phytochelatin synthetase	-4.03
Mtr.13998.1.S1_at	Hypothetical protein	-4.03
Mtr.18312.1.S1_at	Lipase	-4.03
Mtr.40545.1.S1_a_at	HSP associated protein	-4.03
Mtr.50857.1.S1_s_at	Peptidase S10	-4.03
Mtr.41769.1.S1_at	Hypothetical protein	-4.03
Mtr.40998.1.S1_at	Hypothetical protein	-4.02
Mtr.6074.1.S1_at	Valine-tRNA ligase	-4.02
Mtr.43590.1.S1_at	Hypothetical protein	-4.02
Mtr.41929.1.S1_at	Phenylalanine-tRNA synthetase	-4.02
Mtr.20309.1.S1_at	H <sup>+</sup> -transporting two-sector ATPase	-4.02
Mtr.35857.1.S1_at	Hypothetical protein	-4.02
Mtr.5656.1.S1_at	Vacuolar H <sup>+</sup> -ATPase B subunit	-4.02
Msa.1632.1.S1_at	Hypothetical protein	-4.02
Mtr.43488.1.S1_at	Hypothetical protein	-4.02
Mtr.38754.1.S1_at	Chloride channel protein	-4.02
Mtr.41025.1.S1_at	Hypothetical protein	-4.02
Mtr.50562.1.S1_s_at	Zn-finger, Dof type	-4.02
Mtr.50527.1.S1_at	Hypothetical protein	-4.01
Mtr.12805.1.S1_at	Hypothetical protein	-4.01
Mtr.43459.1.S1_at	Hypothetical protein	-4.01
Msa.2987.1.S1_at	Hypothetical protein	-4.01
Mtr.7078.1.S1_s_at	Peroxidase	-4.01

Mtr.24451.1.S1_at	Hypothetical protein	-4.00
Mtr.44402.1.S1_at	Hypothetical protein	-4.00
Msa.1614.1.S1_at	Hypothetical protein	-4.00
Mtr.21847.1.S1_at	Hypothetical protein	-4.00
Mtr.41151.1.S1_at	Cer2 protein	-3.99
Mtr.37912.1.S1_at	Allyl alcohol dehydrogenase	-3.99
Mtr.4063.1.S1_at	Hypothetical protein	-3.99
Mtr.40525.1.S1_at	Hypothetical protein	-3.99
Mtr.33744.1.S1_at	Hypothetical protein	-3.99
Mtr.29088.1.S1_at	Hypothetical protein	-3.99
Mtr.28159.1.S1_at	AP2 domain transcription factor	-3.98
Mtr.39884.1.S1_at	Hypothetical protein	-3.98
Mtr.12922.1.S1_at	Hypothetical protein	-3.98
Mtr.12725.1.S1_at	Mucin-like protein	-3.98
Mtr.7159.1.S1_at	Hypothetical protein	-3.98
Mtr.18014.1.S1_at	L-lactate dehydrogenase	-3.98
Mtr.37814.1.S1_at	CONSTANS-like protein	-3.97
Mtr.50712.1.S1_at	Hypothetical protein	-3.97
Mtr.10510.1.S1_s_at	Cytochrome b6f complex subunit	-3.97
Mtr.27444.1.S1_at	Hypothetical protein	-3.97
Mtr.40191.1.S1_at	Transcription factor EREBP-like protein	-3.97
Mtr.6728.1.S1_at	Cytochrome P450 protein	-3.96
Mtr.31537.1.S1_at	Hypothetical protein	-3.96
Mtr.50173.1.S1_at	Hypothetical protein	-3.96
Mtr.17362.1.S1_at	Beta-Ig-H3/fasciclin	-3.96
Mtr.35162.1.S1_at	Hypothetical protein	-3.96
Msa.1600.1.S1_at	Hypothetical protein	-3.96
Mtr.50484.1.S1_s_at	Peptidase M18	-3.96
Mtr.7553.1.S1_at	Alanine acetyl transferase	-3.95
Mtr.5862.1.S1_at	Photosystem II 22 kDa protein	-3.95
Mtr.42769.1.S1_at	Hypothetical protein	-3.95
Mtr.9315.1.S1_at	TRANSPARENT TESTA 12 protein	-3.95
Mtr.16385.1.S1_s_at	Hypothetical protein	-3.95
Mtr.25344.1.S1_at	Hypothetical protein	-3.95
Mtr.15048.1.S1_s_at	HAD-superfamily subfamily IIA hydrolase	-3.95
Mtr.35361.1.S1_at	Fructose-6-phosphate 2-kinase	-3.95
Mtr.42285.1.S1_at	Phosphoglycerate mutase	-3.95
Mtr.41311.1.S1_at	Hypothetical protein	-3.95
Mtr.34788.1.S1_at	Glyceraldehyde-3-phosphate dehydrogenase (NADP)	-3.94
Mtr.9586.1.S1_at	Hypothetical protein	-3.94
Mtr.12375.1.S1_at	Photosystem I reaction center subunit III	-3.94
Msa.1635.1.S1_at	Hypothetical protein	-3.94
Mtr.16346.1.S1_at	Hypothetical protein	-3.94
Mtr.9049.1.S1_at	Sbp65a protein	-3.94
Mtr.19730.1.S1_s_at	Microtubule-associated protein	-3.94
Mtr.7060.1.S1_at	Hypothetical protein	-3.94
Mtr.20212.1.S1_s_at	Aspartate/glutamate/uridylylate kinase	-3.94
Mtr.38268.1.S1_at	Hypothetical protein	-3.93
Mtr.5449.1.S1_at	Hypothetical protein	-3.93
Mtr.5274.1.S1_s_at	Cellulose synthase	-3.93
Mtr.41476.1.S1_at	Cytochrome P450 71D11	-3.93
Mtr.47027.1.S1_at	Ubiquitin-conjugating enzyme	-3.92
Mtr.732.1.S1_s_at	Phosphoglucomutase	-3.92
Mtr.36687.1.S1_at	Hypothetical protein	-3.92

Mtr.29047.1.S1_at	Hypothetical protein	-3.92
Mtr.35868.1.S1_at	Hypothetical protein	-3.92
Mtr.25786.1.S1_at	Hypothetical protein	-3.92
Mtr.24495.1.S1_at	Photosystem II 32 kDa protein	-3.92
Mtr.2596.1.S1_at	Protein kinase	-3.91
Mtr.13516.1.S1_s_at	ZF-HD homeobox protein	-3.91
Mtr.45048.1.S1_s_at	Hypothetical protein	-3.91
Mtr.29878.1.S1_at	Hypothetical protein	-3.91
Mtr.7873.1.S1_at	Ribonuclease HII	-3.90
Mtr.42172.1.S1_s_at	Cytochrome P450	-3.90
Mtr.45399.1.S1_at	Hypothetical protein	-3.90
Mtr.50318.1.S1_at	Cys/Met metabolism pyridoxal-phosphate-dependent enzymes	-3.90
Mtr.26276.1.S1_at	CER1 protein	-3.90
Mtr.44644.1.S1_s_at	Hydrolase-like protein	-3.90
Mtr.36903.1.S1_at	Hypothetical protein	-3.90
Mtr.40844.1.S1_at	Diphosphonucleotide phosphatase 1	-3.90
Mtr.23750.1.S1_at	Hypothetical protein	-3.90
Mtr.42878.1.S1_at	Hypothetical protein	-3.90
Mtr.33436.1.S1_at	Hypothetical protein	-3.89
Mtr.40343.1.S1_s_at	Dihydrofolate reductas	-3.89
Mtr.2083.1.S1_s_at	Glutamate decarboxylase 1	-3.89
Mtr.25726.1.S1_s_at	Hypothetical protein	-3.88
Mtr.28571.1.S1_at	Phosphoribosylanthranilate transferase	-3.88
Msa.2726.1.S1_at	Hypothetical protein	-3.88
Mtr.22143.1.S1_at	Acetolactate synthase	-3.87
Mtr.11893.1.S1_at	4-Diphosphocytidyl-2C-methyl-D-erythritol synthase	-3.87
Mtr.20499.1.S1_at	Phosphatidylinositol-4-phosphate 5-kinase	-3.87
Mtr.44552.1.S1_at	Hypothetical protein	-3.87
Mtr.8532.1.S1_at	Alpha-expansin 3	-3.87
Mtr.24331.1.S1_s_at	Hypothetical protein	-3.86
Mtr.43421.1.S1_at	Hypothetical protein	-3.86
Mtr.17456.1.S1_at	Hypothetical protein	-3.86
Mtr.15141.1.S1_at	Hypothetical protein	-3.86
Mtr.17396.1.S1_s_at	Cellulose synthase	-3.86
Msa.1301.1.S1_at	Hypothetical protein	-3.86
Mtr.43528.1.S1_at	Fructokinase 3	-3.86
Mtr.33519.1.S1_at	Cold acclimation responsive protein	-3.86
Mtr.1806.1.S1_s_at	Hypothetical protein	-3.85
Mtr.4867.1.S1_s_at	Zygosaccharomyces rouxii pheromone response protein	-3.85
Mtr.36799.1.S1_s_at	Hypothetical protein	-3.85
Mtr.32655.1.S1_at	Hypothetical protein	-3.85
Mtr.27813.1.S1_at	6-4 photolyase	-3.85
Msa.1391.1.S1_at	Hypothetical protein	-3.85
Mtr.49013.1.S1_at	Hypothetical protein	-3.85
Mtr.13357.1.S1_at	EspB-like protein	-3.84
Mtr.6757.1.S1_at	Thaumatococcus-like protein	-3.84
Mtr.12787.1.S1_at	Membrane-associated 30 kDa protein	-3.84
Mtr.44288.1.S1_at	Hypothetical protein	-3.84
Mtr.7486.1.S1_at	Zinc finger protein	-3.84
Mtr.8707.1.S1_at	Hypothetical protein	-3.84
Mtr.41014.1.S1_at	Hypothetical protein	-3.84
Mtr.32192.1.S1_at	Hypothetical protein	-3.84
Mtr.41982.1.S1_at	Sulfate transporter ATST1	-3.83
Mtr.12978.1.S1_at	3-hydroxyisobutyrate dehydrogenase	-3.83



Mtr.26689.1.S1_at	Serine/threonine protein kinase	-3.83
Mtr.43458.1.S1_s_at	Hypothetical protein	-3.83
Mtr.4126.1.S1_at	Laccase	-3.83
Mtr.13194.1.S1_s_at	RanGAP1 interacting protein	-3.83
Mtr.44607.1.S1_at	Pyrroline-5-carboxylate synthetase 2	-3.83
Mtr.34726.1.S1_at	Photosystem I reaction center subunit II	-3.83
Mtr.10347.1.S1_at	Receptor-like protein kinase	-3.83
Mtr.36413.1.S1_at	Hypothetical protein	-3.82
Mtr.38367.1.S1_at	Hypothetical protein	-3.82
Mtr.4975.1.S1_s_at	SRG1 protein	-3.82
Mtr.44678.1.S1_at	Hypothetical protein	-3.82
Msa.1209.1.S1_at	Hypothetical protein	-3.82
Mtr.7840.1.S1_at	Hypothetical protein	-3.82
Mtr.51453.1.S1_at	Hypothetical protein	-3.81
Mtr.13051.1.S1_at	Glucose-6-phosphate 1-dehydrogenase 1	-3.81
Mtr.12218.1.S1_at	Cytochrome B6-F complex iron-sulfur subunit	-3.81
Mtr.45513.1.S1_at	Hypothetical protein	-3.80
Mtr.14002.1.S1_at	Calcium binding protein	-3.80
Mtr.25980.1.S1_s_at	Hypothetical protein	-3.80
Mtr.49776.1.S1_x_at	Auxin responsive SAUR protein	-3.80
Mtr.13136.1.S1_at	Fasciclin-like AGP 10	-3.80
Mtr.7841.1.S1_at	Hypothetical protein	-3.79
Mtr.22161.1.S1_at	Hypothetical protein	-3.79
Mtr.6710.1.S1_at	MYB transcription factor	-3.79
Mtr.39462.1.S1_at	Glu-tRNA(Gln) amidotransferase subunit A	-3.79
Mtr.39920.1.S1_at	Receptor like protein	-3.79
Mtr.29366.1.S1_at	Serine/threonine protein kinase	-3.79
Mtr.38303.1.S1_at	Hypothetical protein	-3.79
Mtr.39027.1.S1_at	Hypothetical protein	-3.78
Mtr.1744.1.S1_at	CRS2-associated factor 2	-3.78
Mtr.6773.1.S1_at	Myosin heavy chain-like protein	-3.78
Mtr.43598.1.S1_at	Polygalacturonase-like protein	-3.78
Mtr.4292.1.S1_at	Beta-galactosidase	-3.78
Mtr.8220.1.S1_at	Hypothetical protein	-3.78
Mtr.8775.1.S1_at	Hypothetical protein	-3.78
Msa.1594.1.S1_at	Hypothetical protein	-3.77
Mtr.9854.1.S1_at	Hypothetical protein	-3.77
Mtr.40816.1.S1_at	Thylakoid lumenal 15 kDa protein	-3.77
Mtr.24581.1.S1_s_at	1,2-diaclyglycerol 3-beta-galactosyltransferase	-3.77
Mtr.32523.1.S1_at	Peptide transporter	-3.77
Mtr.43311.1.S1_at	BURP domain-containing protein	-3.77
Mtr.5622.1.S1_at	Hypothetical protein	-3.76
Mtr.15765.1.S1_at	Hypothetical protein	-3.76
Msa.1951.1.S1_s_at	Hypothetical protein	-3.76
Mtr.11444.1.S1_at	Receptor-like protein kinase	-3.76
Mtr.33858.1.S1_at	Metal-transporting P-type ATPase	-3.76
Mtr.33470.1.S1_at	Hypothetical protein	-3.76
Mtr.10814.1.S1_at	Epoxide hydrolase	-3.75
Mtr.42737.1.S1_at	Hypothetical protein	-3.75
Mtr.43288.1.S1_at	Diphenol oxidase	-3.75
Mtr.32700.1.S1_s_at	Hypothetical protein	-3.75
Mtr.35618.1.S1_at	Multi resistance protein	-3.75
Mtr.5133.1.S1_at	Hypothetical protein	-3.75
Mtr.42232.1.S1_at	Hypothetical protein	-3.75

Mtr.36799.1.S1_at	Hypothetical protein	-3.75
Mtr.18262.1.S1_at	Hypothetical protein	-3.75
Mtr.34410.1.S1_at	Hypothetical protein	-3.74
Mtr.39047.1.S1_at	RNA helicase-like protein	-3.74
Mtr.17229.1.S1_at	Na <sup>+</sup> /H <sup>+</sup> antiporter-like protein	-3.74
Mtr.44265.1.S1_at	Hypothetical protein	-3.74
Mtr.10451.1.S1_at	Hypothetical protein	-3.74
Mtr.20815.1.S1_at	Hypothetical protein	-3.74
Mtr.46334.1.S1_at	Serine/threonine protein kinase	-3.74
Mtr.28691.1.S1_at	Nine-cis-epoxycarotenoid dioxygenase3	-3.74
Mtr.31196.1.S1_at	Hypothetical protein	-3.74
Mtr.16358.1.S1_at	Glyoxalase/extradiol ring-cleavage dioxygenase	-3.73
Mtr.10402.1.S1_at	Type II chlorophyll a/b binding protein from photosystem I	-3.73
Mtr.38643.1.S1_s_at	Sucrose-phosphate synthase	-3.73
Mtr.23112.1.S1_at	Chloride channel-like (CLC) protein	-3.73
Mtr.38333.1.S1_at	Hypothetical protein	-3.73
Mtr.4979.1.S1_at	Hypothetical protein	-3.73
Mtr.10428.1.S1_at	NADP-specific isocitrate dehydrogenase	-3.73
Mtr.43479.1.S1_at	Hypothetical protein	-3.73
Mtr.43131.1.S1_at	Endo-beta-1,4-glucanase	-3.72
Mtr.13309.1.S1_at	Hypothetical protein	-3.72
Mtr.9665.1.S1_at	Oikosin 4A protein	-3.72
Mtr.42216.1.S1_at	RanGAP1 interacting protein	-3.72
Mtr.17883.1.S1_at	Hypothetical protein	-3.72
Mtr.10665.1.S1_at	Hypothetical protein	-3.72
Mtr.1107.1.S1_at	Pectate lyase	-3.71
Mtr.31153.1.S1_at	Hypothetical protein	-3.71
Mtr.25499.1.S1_s_at	NifU-related metallocluster assembly factor	-3.71
Mtr.36224.1.S1_at	Hypothetical protein	-3.71
Mtr.31189.1.S1_at	Trehalose-6-phosphate phosphatase	-3.71
Msa.509.1.S1_at	Hypothetical protein	-3.71
Mtr.26982.1.S1_at	Hypothetical protein	-3.71
Mtr.21612.1.S1_at	Hypothetical protein	-3.71
Mtr.6279.1.S1_at	LIM domain containing protein	-3.71
Mtr.13288.1.S1_at	ADP-glucose pyrophosphorylase large subunit	-3.70
Mtr.12858.1.S1_at	Hypothetical protein	-3.70
Mtr.39136.1.S1_at	Hypothetical protein	-3.70
Mtr.38216.1.S1_at	Hypothetical protein	-3.70
Mtr.42457.1.S1_at	Hypothetical protein	-3.70
Mtr.5452.1.S1_at	ABC transporter	-3.70
Mtr.26358.1.S1_at	Hypothetical protein	-3.70
Mtr.10036.1.S1_at	Phosphate/phosphoenolpyruvate translocator	-3.69
Mtr.44112.1.S1_at	Uracil phosphoribosyltransferase	-3.69
Mtr.26277.1.S1_at	Lycopene beta-cyclase	-3.69
Mtr.15273.1.S1_at	Peptidase M14	-3.69
Mtr.48864.1.S1_at	Zn-finger, Dof type	-3.68
Mtr.13184.1.S1_at	Prolyl carboxypeptidase like protein	-3.68
Mtr.5291.1.S1_at	Hypothetical protein	-3.68
Mtr.28150.1.S1_at	Hypothetical protein	-3.68
Mtr.37287.1.S1_s_at	Beta-glucosidase	-3.68
Mtr.41882.1.S1_at	Hypothetical protein	-3.68
Mtr.5497.1.S1_s_at	Hypothetical protein	-3.68
Mtr.48836.1.S1_at	Hypothetical protein	-3.68
Mtr.39226.1.S1_at	MAP kinase	-3.67

Mtr.6733.1.S1_at	Rhomboid family protein	-3.67
Mtr.37084.1.S1_at	HSR203J protein	-3.67
Mtr.17822.1.S1_at	Cytochrome P450	-3.67
Mtr.45126.1.S1_at	Hypothetical protein	-3.67
Mtr.28642.1.S1_at	Hypothetical protein	-3.66
Mtr.29065.1.S1_at	GTP cyclohydrolase I	-3.66
Mtr.115.1.S1_at	Hypothetical protein	-3.66
Mtr.20947.1.S1_at	Serine/threonine protein kinase	-3.66
Mtr.16234.1.S1_at	Hypothetical protein	-3.66
Mtr.15646.1.S1_at	Hypothetical protein	-3.66
Mtr.26166.1.S1_at	Heat shock protein	-3.65
Mtr.8212.1.S1_at	Protein kinase	-3.65
Mtr.13236.1.S1_at	Glucose-6-phosphate dehydrogenase	-3.65
Mtr.44410.1.S1_at	RNA-binding protein FUS	-3.65
Mtr.20939.1.S1_at	Hypothetical protein	-3.65
Mtr.6532.1.S1_s_at	3-ketoacyl-ACP synthase	-3.65
Msa.1046.1.S1_at	Hypothetical protein	-3.65
Mtr.41314.1.S1_at	Pyruvate, phosphate dikinase	-3.64
Mtr.7496.1.S1_at	Hypothetical protein	-3.64
Mtr.8778.1.S1_at	Hypothetical protein	-3.64
Mtr.12200.1.S1_at	Hypothetical protein	-3.64
Mtr.3013.1.S1_at	UDP-glucuronosyltransferase	-3.64
Mtr.44368.1.S1_at	Hypothetical protein	-3.64
Mtr.756.1.S1_at	Hypothetical protein	-3.64
Mtr.37615.1.S1_at	Hypothetical protein	-3.64
Mtr.22763.1.S1_at	Hypothetical protein	-3.64
Mtr.9455.1.S1_at	Hypothetical protein	-3.64
Mtr.33398.1.S1_s_at	Hypothetical protein	-3.63
Mtr.23870.1.S1_at	Hypothetical protein	-3.63
Mtr.27067.1.S1_at	DNA binding with one finger 4 protein	-3.63
Mtr.44825.1.S1_at	POZ domain protein	-3.63
Mtr.5433.1.S1_at	Hypothetical protein	-3.63
Mtr.35648.1.S1_at	bHLH transcription factor	-3.63
Mtr.8614.1.S1_at	Mitochondrial solute carrier protein	-3.63
Mtr.20814.1.S1_at	Zn-finger, CCHC type	-3.62
Mtr.10888.1.S1_at	Hypothetical protein	-3.62
Msa.1349.1.S1_at	Hypothetical protein	-3.62
Mtr.38263.1.S1_at	Hypothetical protein	-3.62
Mtr.10826.1.S1_at	Rho GDP dissociation inhibitor 1	-3.62
Mtr.13656.1.S1_at	Galactomannan galactosyltransferase	-3.62
Mtr.10403.1.S1_at	Photosystem I reaction center subunit IV A	-3.62
Mtr.27391.1.S1_at	N-acylethanolamine amidohydrolase	-3.61
Mtr.39931.1.S1_at	Hypothetical protein	-3.61
Mtr.38311.1.S1_at	Hypothetical protein	-3.61
Mtr.48712.1.S1_s_at	Facilitated glucose transporter	-3.61
Mtr.16555.1.S1_s_at	Hypothetical protein	-3.61
Msa.3107.1.S1_at	Hypothetical protein	-3.61
Mtr.8790.1.S1_at	Peripheral-type benzodiazepine receptor	-3.61
Mtr.39691.1.S1_at	Hypothetical protein	-3.61
Mtr.39777.1.S1_at	Hypothetical protein	-3.60
Msa.2735.1.S1_at	Hypothetical protein	-3.60
Mtr.23994.1.S1_at	Homeodomain transcription	-3.60
Mtr.10506.1.S1_at	GH1 protein	-3.60
Mtr.12741.1.S1_at	Hypothetical protein	-3.60

Mtr.25499.1.S1_at	NifU-related metallocluster assembly factor	-3.60
Msa.2906.1.S1_at	Hypothetical protein	-3.60
Mtr.15378.1.S1_at	Hypothetical protein	-3.60
Mtr.27411.1.S1_s_at	Ribonucleoprotein	-3.60
Msa.2839.1.S1_at	Hypothetical protein	-3.59
Mtr.8418.1.S1_at	Xylulose kinase	-3.59
Mtr.13733.1.S1_at	Hypothetical protein	-3.59
Mtr.15083.1.S1_at	Pentaxin	-3.59
Mtr.29167.1.S1_s_at	Hypothetical protein	-3.59
Mtr.12617.1.S1_at	Hypothetical protein	-3.59
Mtr.42899.1.S1_a_at	Carboxylesterase	-3.59
Mtr.40827.1.S1_at	Hypothetical protein	-3.59
Mtr.44327.1.S1_at	Adenylate kinase 2	-3.58
Mtr.11200.1.S1_at	Zinc finger protein	-3.58
Msa.1509.1.S1_at	Hypothetical protein	-3.58
Msa.1866.1.S1_x_at	Hypothetical protein	-3.58
Mtr.31536.1.S1_at	Hypothetical protein	-3.58
Mtr.43478.1.S1_at	Serine carboxypeptidase	-3.58
Mtr.14183.1.S1_at	Annexin	-3.58
Mtr.20781.1.S1_at	Hypothetical protein	-3.58
Mtr.30783.1.S1_at	Cytochrome P450	-3.58
Mtr.18939.1.S1_at	Amino acid/polyamine transporter II	-3.57
Mtr.46001.1.S1_at	Hypothetical protein	-3.57
Mtr.33630.1.S1_at	Hypothetical protein	-3.57
Mtr.29098.1.S1_at	Long chain acyl-CoA synthetase 5	-3.57
Mtr.43980.1.S1_at	Endopeptidase	-3.57
Mtr.50700.1.S1_s_at	Serine/threonine protein kinase	-3.56
Mtr.37613.1.S1_at	Annexin-like protein	-3.56
Mtr.27110.1.S1_at	C2 domain-containing protein	-3.56
Mtr.12382.1.S1_at	Hypothetical protein	-3.56
Mtr.8973.1.S1_at	Hypothetical protein	-3.56
Mtr.40237.1.S1_at	Hypothetical protein	-3.56
Mtr.40341.1.S1_at	Dihydrofolate reductase	-3.56
Mtr.40906.1.S1_at	Quinone oxidoreductase	-3.56
Msa.3017.1.S1_at	Hypothetical protein	-3.55
Msa.1448.1.S1_at	Hypothetical protein	-3.55
Mtr.37317.1.S1_at	Plastocyanin	-3.55
Mtr.15596.1.S1_at	Hypothetical protein	-3.55
Mtr.18703.1.S1_at	Serine/threonine protein kinase	-3.55
Mtr.10229.1.S1_at	EspB-like protein	-3.55
Mtr.31183.1.S1_at	Long-chain acyl-CoA synthetase 6	-3.55
Mtr.6163.1.S1_at	Hypothetical protein	-3.55
Mtr.17550.1.S1_at	Plant lipid transfer protein	-3.54
Mtr.8509.1.S1_at	Hypothetical protein	-3.54
Mtr.2078.1.S1_at	Cell death regulator	-3.54
Mtr.44411.1.S1_at	Peptide methionine sulfoxide reductase msrB	-3.54
Mtr.15321.1.S1_at	Serine/threonine-specific protein phosphatase	-3.54
Mtr.32558.1.S1_at	N-acylethanolamine amidohydrolase	-3.54
Msa.1757.1.S1_at	Hypothetical protein	-3.54
Mtr.41803.1.S1_at	Hypothetical protein	-3.54
Mtr.10507.1.S1_s_at	GH1 protein	-3.54
Msa.3012.1.S1_at	Hypothetical protein	-3.54
Mtr.50427.1.S1_at	Lipoxygenase	-3.54
Mtr.2549.1.S1_at	Hypothetical protein	-3.53

Msa.1068.1.S1_at	Hypothetical protein	-3.53
Mtr.13662.1.S1_s_at	Protein kinase	-3.53
Msa.2703.1.S1_at	Hypothetical protein	-3.53
Mtr.37908.1.S1_at	Peroxidase	-3.53
Mtr.25541.1.S1_at	Hypothetical protein	-3.53
Mtr.13230.1.S1_at	Glycosyl transferase	-3.53
Mtr.32901.1.S1_at	Hypothetical protein	-3.53
Mtr.28673.1.S1_at	Hypothetical protein	-3.53
Mtr.28056.1.S1_at	Hypothetical protein	-3.53
Mtr.28405.1.S1_at	Negative transcription regulator	-3.53
Mtr.42999.1.S1_at	Photosystem I psaH protein	-3.52
Mtr.8663.1.S1_at	Calcium/calmodulin-dependent protein kinase CaMK3	-3.52
Mtr.8859.1.S1_at	Proline rich protein	-3.52
Mtr.15511.1.S1_at	Hypothetical protein	-3.52
Mtr.34694.1.S1_at	Hypothetical protein	-3.52
Mtr.12439.1.S1_at	50S ribosomal protein L27	-3.51
Mtr.15297.1.S1_at	Hypothetical protein	-3.51
Mtr.38636.1.S1_s_at	Hydrolase	-3.51
Msa.3135.1.S1_at	Hypothetical protein	-3.51
Mtr.37813.1.S1_s_at	Hypothetical protein	-3.51
Mtr.4282.1.S1_at	HAP3-like transcriptional-activator	-3.51
Mtr.16432.1.S1_at	Myb, DNA-binding	-3.51
Mtr.35464.1.S1_at	Triose phosphate/phosphate translocator	-3.51
Mtr.1068.1.S1_s_at	P-glycoprotein	-3.51
Mtr.12206.1.S1_at	Ribulose 1,5-bisphosphate carboxylase small subunit	-3.51
Mtr.45998.1.S1_at	Hypothetical protein	-3.51
Mtr.44526.1.S1_at	Hypothetical protein	-3.51
Mtr.46406.1.S1_at	Hypothetical protein	-3.51
Mtr.33116.1.S1_at	Receptor protein kinase	-3.50
Msa.1536.1.S1_at	Hypothetical protein	-3.50
Mtr.43358.1.S1_at	Outer membrane lipoprotein	-3.50
Mtr.39445.1.S1_at	Polygalacturonase isoenzyme 1 beta subunit	-3.50
Mtr.40583.1.S1_at	Polygalacturonase-like protein	-3.50
Mtr.2343.1.S1_at	Hypothetical protein	-3.50
Mtr.38045.1.S1_at	Fiber protein Fb19	-3.50
Mtr.19564.1.S1_s_at	Hypothetical protein	-3.49
Mtr.9004.1.S1_at	Hypothetical protein	-3.49
Mtr.9173.1.S1_at	Hypothetical protein	-3.49
Mtr.23748.1.S1_s_at	C3HC4-type zinc finger protein	-3.49
Mtr.11805.1.S1_at	Hypothetical protein	-3.49
Mtr.9599.1.S1_at	Hypothetical protein	-3.49
Msa.1612.1.S1_at	Hypothetical protein	-3.49
Mtr.1621.1.S1_at	Hypothetical protein	-3.49
Mtr.38739.1.S1_at	Receptor-like protein kinase	-3.49
Mtr.32736.1.S1_at	Hypothetical protein	-3.49
Mtr.44584.1.S1_at	Transfactor-like protein	-3.48
Mtr.35998.1.S1_at	cinnamoyl-CoA reductase	-3.48
Mtr.49327.1.S1_at	Hypothetical protein	-3.48
Mtr.40308.1.S1_at	Monofunctional aspartokinase	-3.48
Mtr.42201.1.S1_at	Hypothetical protein	-3.48
Mtr.2715.1.S1_s_at	Hypothetical protein	-3.48
Mtr.34418.1.S1_at	Hypothetical protein	-3.48
Mtr.34160.1.S1_at	Hypothetical protein	-3.48
Mtr.8457.1.S1_s_at	Hypothetical protein	-3.47

Mtr.30774.1.S1_at	Hypothetical protein	-3.46
Mtr.34395.1.S1_at	Hypothetical protein	-3.46
Mtr.10227.1.S1_at	Cytochrome P450	-3.46
Mtr.13443.1.S1_at	Hypothetical protein	-3.46
Mtr.10035.1.S1_at	Hypothetical protein	-3.46
Mtr.10662.1.S1_at	Heat shock 22 kDa protein	-3.46
Mtr.22314.1.S1_at	ATP citrate lyase b-subunit	-3.46
Mtr.12724.1.S1_at	PDI-like protein	-3.46
Mtr.42323.1.S1_at	Hypothetical protein	-3.46
Mtr.42188.1.S1_at	Yippee-like protein	-3.46
AFFX-Mtr-gsta-M_x_at	2,4-D inducible glutathione S-transferase	-3.46
Mtr.3440.1.S1_at	Hypothetical protein	-3.46
Mtr.10009.1.S1_at	Hypothetical protein	-3.45
Mtr.50826.1.S1_at	Beta-ketoacyl synthase	-3.45
Mtr.40922.1.S1_at	Hypothetical protein	-3.45
Mtr.39103.1.S1_at	Peptide deformylase	-3.45
Mtr.15836.1.S1_at	Cycloeucaleenol cycloisomerase	-3.45
Msa.1725.1.S1_at	Hypothetical protein	-3.45
Mtr.42622.1.S1_s_at	Maturase	-3.45
Mtr.9328.1.S1_at	Carboxyl terminal protease	-3.45
Mtr.51837.1.S1_at	Thymidylate synthase	-3.45
Mtr.19465.1.S1_at	Thaumatococin	-3.45
Mtr.10605.1.S1_at	Hypothetical protein	-3.45
Mtr.24463.1.S1_at	Hypothetical protein	-3.45
Mtr.38468.1.S1_at	Proline-rich protein	-3.44
Mtr.26216.1.S1_at	Auxin response factor 5	-3.44
Mtr.43423.1.S1_at	Hypothetical protein	-3.44
Mtr.39039.1.S1_at	Ankyrin like protein	-3.44
Mtr.9554.1.S1_at	Histone H4	-3.44
Mtr.17339.1.S1_at	50s ribosomal protein 118	-3.44
Mtr.8568.1.S1_at	Nitrite reductase	-3.44
Mtr.39964.1.S1_at	Hypothetical protein	-3.44
Mtr.712.1.S1_at	Thioredoxin	-3.44
Mtr.11023.1.S1_at	Ethylene-responsive family protein	-3.43
Mtr.25491.1.S1_at	Hypothetical protein	-3.43
Mtr.43439.1.S1_at	Hypothetical protein	-3.43
Mtr.12714.1.S1_at	Hypothetical protein	-3.43
Mtr.15596.1.S1_s_at	Hypothetical protein	-3.42
Mtr.769.1.S1_at	Harpin-induced protein 1 family (HIN1)	-3.42
Mtr.38670.1.S1_at	Homoserine kinase	-3.42
Mtr.34929.1.S1_at	Zinc finger protein	-3.42
Mtr.11058.1.S1_at	Snakin-1	-3.42
Mtr.2019.1.S1_at	Hypothetical protein	-3.41
Mtr.50467.1.S1_at	Serine/threonine protein kinase	-3.41
Msa.411.1.S1_at	Hypothetical protein	-3.41
Mtr.44047.1.S1_at	Hypothetical protein	-3.41
Mtr.9977.1.S1_at	Hypothetical protein	-3.41
Mtr.20484.1.S1_at	Cobalamin synthesis protein	-3.41
Mtr.44602.1.S1_at	PINHEAD protein	-3.41
Mtr.33344.1.S1_at	Disease resistance protein	-3.41
Mtr.15800.1.S1_s_at	Zn-binding protein	-3.40
Mtr.32741.1.S1_at	Nodulin-like protein	-3.40
Mtr.15660.1.S1_at	Peptidase M	-3.40
Mtr.32230.1.S1_at	Glycine-sarcosine methyltransferase	-3.40

Mtr.33453.1.S1_at	ATFP3	-3.40
Mtr.18482.1.S1_at	Hypothetical protein	-3.40
Mtr.12607.1.S1_at	Heat shock protein	-3.39
Mtr.27421.1.S1_s_at	NADPH HC toxin reductase	-3.39
Mtr.47145.1.S1_at	C2H2-type zinc finger protein	-3.39
Mtr.12270.1.S1_at	Alternative oxidase	-3.39
Mtr.42606.1.S1_at	Hypothetical protein	-3.39
Mtr.12080.1.S1_at	Hypothetical protein	-3.39
Mtr.38420.1.S1_at	Hypothetical protein	-3.39
Mtr.21401.1.S1_at	Hypothetical protein	-3.39
Mtr.11805.1.S1_s_at	Hypothetical protein	-3.39
Mtr.7251.1.S1_s_at	Beta-defensin prepropeptide	-3.39
Mtr.6658.1.S1_at	Auxin-induced protein	-3.39
Mtr.37387.1.S1_s_at	Inhibitor of apoptosis-like protein	-3.38
Mtr.26048.1.S1_at	Hypothetical protein	-3.38
Mtr.41201.1.S1_at	50S ribosomal protein L28	-3.38
Mtr.40447.1.S1_at	50S ribosomal protein L34	-3.38
Mtr.13068.1.S1_at	Amino acid transporter	-3.38
Msa.1262.1.S1_at	Hypothetical protein	-3.38
Mtr.11554.1.S1_at	Alpha-amylase	-3.38
Mtr.40192.1.S1_at	Transcription factor EREBP-like protein	-3.38
Mtr.32151.1.S1_at	Hypothetical protein	-3.38
Mtr.8916.1.S1_at	Hypothetical protein	-3.38
Msa.1840.1.S1_at	Hypothetical protein	-3.38
Mtr.35850.1.S1_at	Transcription factor WRKY44	-3.38
Msa.2547.1.S1_at	Hypothetical protein	-3.38
Mtr.40093.1.S1_at	Ribosomal protein L12.C	-3.38
Msa.1814.1.S1_at	Hypothetical protein	-3.37
Mtr.50620.1.S1_at	RimM protein	-3.37
Mtr.11974.1.S1_at	Hypothetical protein	-3.37
Mtr.49444.1.S1_at	Protease-associated PA	-3.37
Mtr.19693.1.S1_at	Zinc-containing alcohol dehydrogenase	-3.37
Mtr.2292.1.S1_s_at	Hypothetical protein	-3.37
Mtr.12113.1.S1_at	Adenylate isopentenyltransferase	-3.37
Mtr.14341.1.S1_at	Calponin-like actin-binding protein	-3.37
Mtr.34112.1.S1_at	Ferredoxin-thioredoxin reductase	-3.37
Mtr.9816.1.S1_at	Hypothetical protein	-3.37
Mtr.11399.1.S1_at	Proline-rich protein	-3.36
Mtr.39076.1.S1_at	Hypothetical protein	-3.36
Mtr.13691.1.S1_at	ABC transporter	-3.36
Mtr.35041.1.S1_s_at	Glutamate receptor 3.3	-3.36
Msa.1716.1.S1_at	Hypothetical protein	-3.36
Mtr.24561.1.S1_s_at	UDP-glycosyltransferase	-3.36
Mtr.29161.1.S1_at	Serine/threonine protein kinase	-3.36
Mtr.44469.1.S1_at	Prolyl carboxypeptidase like protein	-3.36
Msa.2828.1.S1_at	Hypothetical protein	-3.36
Mtr.37210.1.S1_at	Chlorophyll a-b binding protein 215	-3.36
Mtr.45403.1.S1_s_at	Cellulose synthase	-3.36
Mtr.43904.1.S1_at	Cyclase-like protein	-3.36
Mtr.1040.1.S1_at	Hypothetical protein	-3.36
Mtr.10790.1.S1_at	Lysosomal Pro-X carboxypeptidase	-3.36
Msa.2287.1.S1_at	Hypothetical protein	-3.36
Msa.1866.1.S1_at	Hypothetical protein	-3.36
Mtr.40090.1.S1_at	Malate dehydrogenase	-3.35

Mtr.43486.1.S1_at	70 kDa peptidylprolyl isomerase	-3.35
Mtr.37326.1.S1_at	Pectinesterase	-3.35
Msa.2778.1.S1_at	Hypothetical protein	-3.35
Mtr.43893.1.S1_at	Immunophilin	-3.35
Mtr.28734.1.S1_at	Hypothetical protein	-3.35
Mtr.38649.1.S1_at	Seed maturation-like protein	-3.35
Mtr.34698.1.S1_at	Phosphatidylinositol 4-phosphate 5-kinase	-3.35
Mtr.13626.1.S1_s_at	ZF-HD homeobox protein	-3.35
Msa.2966.1.S1_s_at	Hypothetical protein	-3.34
Mtr.18038.1.S1_at	Hypothetical protein	-3.34
Mtr.34832.1.S1_at	Hypothetical protein	-3.34
Mtr.41837.1.S1_s_at	Hypothetical protein	-3.34
Mtr.12001.1.S1_at	Phosphoribosylformimino-5-aminoimidazole carboxamide ribotide isomerase	-3.34
Mtr.27947.1.S1_at	Hypothetical protein	-3.34
Mtr.35486.1.S1_at	Hypothetical protein	-3.34
Mtr.12384.1.S1_at	Endo-beta-1,4-D-glucanase	-3.34
Mtr.27585.1.S1_at	GTP-binding protein	-3.34
Mtr.29292.1.S1_at	Hypothetical protein	-3.34
Mtr.42539.1.S1_at	Hypothetical protein	-3.34
Mtr.28009.1.S1_at	Hypothetical protein	-3.34
Mtr.43742.1.S1_at	bZIP protein BZO2H2	-3.34
Mtr.38897.1.S1_at	Pectinesterase PPE8B	-3.34
Mtr.41569.1.S1_at	Hypothetical protein	-3.34
Mtr.42228.1.S1_at	RNA-binding protein cp33	-3.34
Mtr.41016.1.S1_at	Hypothetical protein	-3.33
Mtr.21146.1.S1_at	Zn-finger, RING	-3.33
Mtr.51665.1.S1_s_at	Photosynthetic reaction centre protein	-3.33
Mtr.50907.1.S1_at	Glycoside hydrolase	-3.33
Msa.1045.1.S1_at	Hypothetical protein	-3.33
Mtr.2062.1.S1_at	Hypothetical protein	-3.33
Mtr.11306.1.S1_at	ATP-dependent RNA helicase	-3.33
Mtr.5919.1.S1_at	Hypothetical protein	-3.33
Mtr.7170.1.S1_at	Ribulose biphosphate carboxylase small chain	-3.33
Msa.883.1.S1_at	Hypothetical protein	-3.33
Mtr.3793.1.S1_at	Hypothetical protein	-3.33
Mtr.39110.1.S1_at	Hypothetical protein	-3.32
Mtr.14599.1.S1_at	Hypothetical protein	-3.32
Mtr.13551.1.S1_at	mRNA cleavage factor subunit-like protein	-3.32
Mtr.28082.1.S1_s_at	Hypothetical protein	-3.32
Mtr.142.1.S1_at	LysM domain-containing receptor-like kinase 3	-3.32
Mtr.42024.1.S1_at	Hypothetical protein	-3.31
Mtr.12588.1.S1_at	Hypothetical protein	-3.31
Mtr.22065.1.S1_at	Hypothetical protein	-3.31
Mtr.11390.1.S1_at	Hypothetical protein	-3.31
Mtr.44412.1.S1_at	Hypothetical protein	-3.31
Mtr.36078.1.S1_at	Abscisic acid-induced-like protein	-3.31
Mtr.23551.1.S1_at	Late embryogenesis abundant protein D-34	-3.31
Mtr.32341.1.S1_s_at	Hypothetical protein	-3.30
Mtr.12491.1.S1_at	3-ketoacyl-acyl carrier protein reductase	-3.30
Mtr.13396.1.S1_at	Hypothetical protein	-3.30
Mtr.45994.1.S1_at	Hypothetical protein	-3.30
Mtr.22790.1.S1_at	UDP-glucose pyrophosphorylase	-3.30
Mtr.23638.1.S1_at	Hypothetical protein	-3.30
Mtr.11881.1.S1_at	Hypothetical protein	-3.30



Mtr.25700.1.S1_at	Hypothetical protein	-3.30
Mtr.32826.1.S1_at	Hypothetical protein	-3.30
Mtr.41949.1.S1_at	Hypothetical protein	-3.30
Mtr.42914.1.S1_at	Ribulose 1,5-bisphosphate carboxylase small subunit	-3.30
Mtr.16874.1.S1_at	Hypothetical protein	-3.29
Mtr.4733.1.S1_s_at	Peroxidase	-3.29
Mtr.10104.1.S1_at	Ornithine decarboxylase	-3.29
Mtr.19083.1.S1_at	ABC transporter	-3.29
Mtr.27521.1.S1_s_at	Hypothetical protein	-3.29
Mtr.27607.1.S1_at	Hypothetical protein	-3.29
Mtr.43790.1.S1_at	Ankyrin like protein	-3.29
Mtr.15800.1.S1_at	Zn-binding protein	-3.29
Mtr.10305.1.S1_at	Glyoxalase I	-3.29
Mtr.41104.1.S1_at	Hypothetical protein	-3.28
Mtr.11249.1.S1_s_at	Calcineurin B-like protein 10	-3.28
Mtr.11116.1.S1_at	Hypothetical protein	-3.28
Mtr.9451.1.S1_at	Hypothetical protein	-3.28
Mtr.40819.1.S1_at	Hypothetical protein	-3.28
Mtr.13163.1.S1_at	Hypothetical protein	-3.28
Mtr.34829.1.S1_at	Hypothetical protein	-3.28
Mtr.2592.1.S1_at	Disease resistance protein	-3.28
Mtr.2599.1.S1_at	Hypothetical protein	-3.28
Mtr.27398.1.S1_at	Hypothetical protein	-3.28
Mtr.44038.1.S1_at	Hypothetical protein	-3.28
Mtr.43384.1.S1_at	Hypothetical protein	-3.28
Mtr.10876.1.S1_at	Hypothetical protein	-3.28
Mtr.27941.1.S1_at	Hypothetical protein	-3.28
Mtr.51633.1.S1_at	Hypothetical protein	-3.27
Mtr.5084.1.S1_at	Hypothetical protein	-3.27
Mtr.44381.1.S1_at	Beta-galactosidase	-3.27
Msa.2619.1.S1_at	Hypothetical protein	-3.27
Mtr.51862.1.S1_at	Hypothetical protein	-3.27
Mtr.9594.1.S1_at	Hypothetical protein	-3.27
Mtr.26509.1.S1_s_at	ARP2/3 complex 20 kDa subunit	-3.27
Mtr.48199.1.S1_at	Hypothetical protein	-3.27
Mtr.38545.1.S1_s_at	Kinesin 1	-3.27
Mtr.7067.1.S1_at	Beta-galactosidase	-3.27
Mtr.11244.1.S1_at	RGA2 protein	-3.27
Mtr.13689.1.S1_at	Dehydration-responsive protein	-3.26
Mtr.45459.1.S1_at	Hypothetical protein	-3.26
Mtr.14184.1.S1_s_at	Annexin	-3.26
Mtr.19629.1.S1_at	Hypothetical protein	-3.26
Mtr.6638.1.S1_at	Hypothetical protein	-3.26
Mtr.26297.1.S1_at	Hypothetical protein	-3.26
Mtr.41205.1.S1_at	Myosin-like protein	-3.26
Mtr.12012.1.S1_at	Phosphate starvation response regulator 1	-3.26
Mtr.5545.1.S1_at	Hypothetical protein	-3.26
Mtr.37882.1.S1_at	Nucleotide pyrophosphatase/phosphodiesterase	-3.26
Mtr.24749.1.S1_at	Hypothetical protein	-3.25
Mtr.33769.1.S1_s_at	Prolyl carboxypeptidase	-3.25
Mtr.17483.1.S1_s_at	Adenosine kinase	-3.25
Mtr.45240.1.S1_at	Hypothetical protein	-3.25
Mtr.12701.1.S1_at	Om(1E) protein	-3.25
Mtr.36865.1.S1_s_at	Hypothetical protein	-3.25

Mtr.11482.1.S1_at	Na <sup>+</sup> /H <sup>+</sup> antiporter	-3.25
Msa.1148.1.S1_at	Hypothetical protein	-3.25
Mtr.17107.1.S1_at	Inositol monophosphatase	-3.25
Mtr.1770.1.S1_at	Protein kinase	-3.24
Mtr.10025.1.S1_at	Phosphoribosylanthranilate transferase	-3.24
Mtr.13326.1.S1_at	Hypothetical protein	-3.24
Mtr.38132.1.S1_a_at	Homeobox 2 protein	-3.24
Mtr.11994.1.S1_at	ABC transporter	-3.24
Mtr.37742.1.S1_s_at	Methionine sulfoxide reductase A	-3.24
Mtr.11318.1.S1_at	Hypothetical protein	-3.24
Mtr.25921.1.S1_at	PPR repeat-containing protein	-3.24
Msa.1230.1.S1_at	Hypothetical protein	-3.24
Mtr.8254.1.S1_at	Hypothetical protein	-3.24
Mtr.39543.1.S1_at	DNAJ heat shock N-terminal domain-containing protein	-3.24
Mtr.48366.1.S1_at	Hypothetical protein	-3.24
Mtr.32786.1.S1_at	Hypothetical protein	-3.23
Mtr.11197.1.S1_at	Hypothetical protein	-3.23
Mtr.29352.1.S1_at	Hypothetical protein	-3.23
Mtr.11205.1.S1_at	Hypothetical protein	-3.23
Mtr.8959.1.S1_at	Beta-expansin 3	-3.23
Mtr.152.1.S1_at	Hypothetical protein	-3.23
Msa.2683.1.S1_at	Hypothetical protein	-3.23
AFFX-Msa-gsta-M_x_at	Hypothetical protein	-3.23
Mtr.33655.1.S1_at	Hypothetical protein	-3.23
Mtr.4250.1.S1_at	Hypothetical protein	-3.23
Mtr.9069.1.S1_at	Myb family transcription factor	-3.23
Mtr.13091.1.S1_at	Loricrin-like protein	-3.22
Mtr.32341.1.S1_at	Hypothetical protein	-3.22
Mtr.45958.1.S1_s_at	Hypothetical protein	-3.22
Mtr.48305.1.S1_x_at	Hypothetical protein	-3.22
Mtr.26115.1.S1_at	Protein kinase	-3.22
Mtr.3083.1.S1_at	ABC transporter	-3.22
Mtr.9501.1.S1_at	Lysine decarboxylase	-3.22
Msa.2419.1.S1_at	Hypothetical protein	-3.22
Mtr.15386.1.S1_at	Hypothetical protein	-3.22
Mtr.44813.1.S1_at	Aromatic rich glycoprotein	-3.22
Mtr.4613.1.S1_at	4-methyl-5(B-hydroxyethyl)-thiazole monophosphate biosynthesis enzyme	-3.22
Mtr.41140.1.S1_at	Hypothetical protein	-3.22
Mtr.29108.1.S1_at	Hypothetical protein	-3.22
Mtr.11830.1.S1_at	ATP-dependent RNA helicase DBP9 (DEAD-box protein 9)	-3.21
Mtr.15494.1.S1_at	Cinnamyl alcohol dehydrogenase	-3.21
Mtr.38700.1.S1_at	Hypothetical protein	-3.21
Mtr.11631.1.S1_at	Chloroplast alpha-glucan water dikinase isoform 3	-3.21
Msa.1957.1.S1_s_at	Hypothetical protein	-3.21
Mtr.28655.1.S1_at	Hypothetical protein	-3.21
Mtr.41301.1.S1_at	Hypothetical protein	-3.21
Mtr.30682.1.S1_at	Hypothetical protein	-3.21
Mtr.500.1.S1_at	Hypothetical protein	-3.21
Mtr.3033.1.S1_at	Hydroquinone glucosyltransferase	-3.21
Mtr.41620.1.S1_at	Hypothetical protein	-3.21
Mtr.12509.1.S1_at	Hypothetical protein	-3.21
Mtr.14048.1.S1_s_at	Hypothetical protein	-3.20
Msa.897.1.S1_s_at	Hypothetical protein	-3.20
Mtr.45338.1.S1_at	Cytochrome P450	-3.20

Mtr.12798.1.S1_at	Benzoyl coenzyme A	-3.20
Mtr.19808.1.S1_at	Hypothetical protein	-3.20
Mtr.15549.1.S1_at	Hypothetical protein	-3.20
Mtr.46514.1.S1_s_at	Alpha/beta-amyrin synthase	-3.20
Mtr.24048.1.S1_at	Hypothetical protein	-3.20
Mtr.41480.1.S1_at	Polygalacturonase isoenzyme 1 beta subunit	-3.20
Mtr.11216.1.S1_at	Preprotein translocase secY subunit	-3.20
Mtr.12851.1.S1_at	Acyl CoA reductase	-3.20
Mtr.39201.1.S1_s_at	Hypothetical protein	-3.20
Mtr.6192.1.S1_at	Hypothetical protein	-3.20
Mtr.33457.1.S1_s_at	Galactinol synthase	-3.20
Mtr.27907.1.S1_at	Pectate lyase-like protein	-3.20
Msa.1595.1.S1_at	Hypothetical protein	-3.19
Mtr.29239.1.S1_at	Phosphatidylinositol-specific phospholipase C	-3.19
Mtr.36992.1.S1_at	Seed maturation-like protein	-3.19
Mtr.20364.1.S1_at	Annexin	-3.19
Mtr.9229.1.S1_at	Hypothetical protein	-3.19
Mtr.40199.1.S1_at	ARG10	-3.19
Msa.2803.1.S1_at	Hypothetical protein	-3.18
Mtr.33415.1.S1_at	Polygalacturonase inhibitor protein	-3.18
Mtr.51652.1.S1_at	Cytochrome P450	-3.18
Mtr.42368.1.S1_at	Hypothetical protein	-3.18
Mtr.32562.1.S1_at	Hypothetical protein	-3.18
Mtr.42200.1.S1_s_at	Protein kinase APK1B	-3.18
Mtr.37392.1.S1_at	Elongation factor Tu	-3.18
Mtr.36341.1.S1_s_at	Tetracycline transporter	-3.18
Mtr.28728.1.S1_at	Hypothetical protein	-3.18
Mtr.20633.1.S1_at	General substrate transporter	-3.18
Mtr.12473.1.S1_at	Isoflavonoid glucosyltransferase	-3.17
Mtr.10608.1.S1_at	Glutamine cyclotransferase	-3.17
Mtr.2580.1.S1_at	Leptin receptor	-3.17
Mtr.9332.1.S1_at	Hypothetical protein	-3.17
Mtr.41473.1.S1_at	Hypothetical protein	-3.17
Mtr.37602.1.S1_at	Proline-rich protein	-3.17
Msa.1246.1.S1_at	Hypothetical protein	-3.17
Mtr.44436.1.S1_at	Glutaredoxin-like protein	-3.17
Mtr.34636.1.S1_at	Hypothetical protein	-3.17
Mtr.31198.1.S1_at	Hypothetical protein	-3.16
Mtr.39941.1.S1_at	Hypothetical protein	-3.16
Mtr.22618.1.S1_at	Mismatch repair protein MutS	-3.16
Mtr.13868.1.S1_at	Hypothetical protein	-3.16
Mtr.5788.1.S1_s_at	Hypothetical protein	-3.16
Mtr.5333.1.S1_at	Hypothetical protein	-3.16
Mtr.12074.1.S1_s_at	Coronin binding protein	-3.16
Mtr.38661.1.S1_at	Hypothetical protein	-3.15
Msa.2549.1.S1_at	Hypothetical protein	-3.15
Mtr.35064.1.S1_at	Cucumisin-like serine protease	-3.15
Mtr.40618.1.S1_at	Thylakoid lumenal 35.8 kDa protein	-3.15
Mtr.19981.1.S1_at	Hypothetical protein	-3.15
Mtr.44708.1.S1_at	Hypothetical protein	-3.15
Mtr.10321.1.S1_at	Glycerophosphoryl diester phosphodiesterase 2	-3.15
Msa.1684.1.S1_at	Hypothetical protein	-3.15
Mtr.25480.1.S1_at	Mitochondrial carrier protein	-3.15
Mtr.8604.1.S1_at	Isoflavone reductase	-3.15

Mtr.40580.1.S1_at	30S ribosomal protein S17	-3.14
Mtr.13752.1.S1_at	Calcineurin B-like protein 10	-3.14
Mtr.32476.1.S1_at	Starch phosphorylase	-3.14
Mtr.28077.1.S1_at	Hypothetical protein	-3.14
Mtr.40407.1.S1_at	Hypothetical protein	-3.14
Mtr.40255.1.S1_at	Hydroquinone glucosyltransferase	-3.14
Mtr.44681.1.S1_at	Hypothetical protein	-3.14
Mtr.32541.1.S1_at	Xyloglucan endotransglucosylase/hydrolase	-3.14
Mtr.9050.1.S1_at	Hypothetical protein	-3.14
Mtr.32078.1.S1_at	Hypothetical protein	-3.14
Mtr.41534.1.S1_at	Hypothetical protein	-3.14
Mtr.17706.1.S1_at	Hypothetical protein	-3.14
Mtr.13141.1.S1_at	Chloroplast nucleoid DNA binding protein	-3.14
Mtr.41817.1.S1_at	Sulfate transporter ATST1	-3.14
Mtr.36188.1.S1_at	Hypothetical protein	-3.14
Mtr.41000.1.S1_at	Hypothetical protein	-3.14
Mtr.38498.1.S1_at	Mitochondrial transcription termination factor	-3.14
Mtr.34390.1.S1_at	Hypothetical protein	-3.13
Mtr.43838.1.S1_at	ATP-dependent Clp protease	-3.13
Mtr.11113.1.S1_at	Hypothetical protein	-3.13
Mtr.48466.1.S1_at	Uroporphyrinogen decarboxylase	-3.13
Mtr.42951.1.S1_at	Hypothetical protein	-3.13
Mtr.44312.1.S1_at	Hypothetical protein	-3.13
Mtr.12769.1.S1_at	Hypothetical protein	-3.13
Mtr.40397.1.S1_at	Cytochrome P450 78A3	-3.13
Mtr.50217.1.S1_s_at	AFG1-like ATPase	-3.13
Mtr.7379.1.S1_at	Hypothetical protein	-3.13
Mtr.32751.1.S1_at	Leucine-rich repeat receptor-like protein kinase 1	-3.13
Msa.2326.1.S1_at	Hypothetical protein	-3.13
Mtr.46616.1.S1_at	Hypothetical protein	-3.13
Mtr.41264.1.S1_at	Zinc finger protein 4	-3.13
Mtr.41768.1.S1_at	Verticillium wilt disease resistance protein	-3.12
Mtr.38127.1.S1_at	Hypothetical protein	-3.12
Mtr.43324.1.S1_s_at	Polygalacturonase-like protein	-3.12
Mtr.927.1.S1_at	Purple acid phosphatase	-3.12
Mtr.2090.1.S1_at	Cation transport ATPase	-3.12
Mtr.48713.1.S1_at	Ribosomal protein L10E	-3.12
Mtr.13889.1.S1_at	Hypothetical protein	-3.12
Mtr.33661.1.S1_at	Subtilisin-like serine proteinase	-3.12
Mtr.6340.1.S1_at	Cyclic nucleotide-gated ion channel 2	-3.12
Mtr.10771.1.S1_at	One helix protein	-3.12
Mtr.2197.1.S1_at	Hypothetical protein	-3.12
Mtr.12864.1.S1_at	Cytochrome P450	-3.12
Mtr.39924.1.S1_at	Ethylene-responsive family protein	-3.11
Mtr.3319.1.S1_s_at	Hypothetical protein	-3.11
Mtr.13460.1.S1_at	Chloroplast ribosomal protein L10	-3.11
Mtr.618.1.S1_s_at	Hypothetical protein	-3.11
Mtr.4373.1.S1_at	Hypothetical protein	-3.11
Mtr.41145.1.S1_at	Peroxisomal copper-containing amine oxidase	-3.10
Mtr.22822.1.S1_at	Hypothetical protein	-3.10
Mtr.37245.1.S1_s_at	Chlorophyll a-b binding protein 215	-3.10
Mtr.37989.1.S1_at	Hypothetical protein	-3.10
Mtr.17598.1.S1_at	Hypothetical protein	-3.10
Mtr.8824.1.S1_at	CONSTANS-like protein 2	-3.10

Mtr.34503.1.S1_at	Hypothetical protein	-3.10
Mtr.18775.1.S1_s_at	Hypothetical protein	-3.10
Mtr.17361.1.S1_at	Beta-Ig-H3/fasciclin	-3.10
Mtr.14047.1.S1_s_at	Hypothetical protein	-3.09
Mtr.12366.1.S1_s_at	Transcription factor Myb1	-3.09
Mtr.11702.1.S1_at	ABC transporter	-3.09
Mtr.42197.1.S1_at	Hypothetical protein	-3.09
Mtr.37704.1.S1_at	CDC48-interacting UBX-domain protein	-3.09
Mtr.24519.1.S1_at	Globulin-like protein	-3.09
Mtr.12637.1.S1_at	Red chlorophyll catabolite reductase	-3.09
Mtr.1559.1.S1_s_at	Calcineurin B-like protein 10	-3.09
Mtr.7204.1.S1_at	Microtubule-associated protein EB1-like protein	-3.09
Mtr.43182.1.S1_at	Hypothetical protein	-3.09
Mtr.39248.1.S1_at	Hypothetical protein	-3.09
Mtr.39913.1.S1_at	Hypothetical protein	-3.09
Mtr.33925.1.S1_at	Hypothetical protein	-3.08
Msa.1400.1.S1_at	Hypothetical protein	-3.08
Mtr.13554.1.S1_at	Hypothetical protein	-3.08
Mtr.9877.1.S1_at	Short-chain dehydrogenase/reductase	-3.08
Mtr.11441.1.S1_at	Aspartyl protease	-3.08
Mtr.42358.1.S1_at	Cysteine synthase	-3.08
Mtr.50947.1.S1_s_at	Myb, DNA-binding	-3.08
Mtr.41696.1.S1_at	Hypothetical protein	-3.08
Mtr.21515.1.S1_at	Cellulose synthase	-3.08
Msa.1941.1.S1_at	Hypothetical protein	-3.08
Mtr.14988.1.S1_at	Pectin lyase-like protein	-3.07
Mtr.9322.1.S1_at	Fatty acid elongase-like protein (Cer2-like)	-3.07
Mtr.18398.1.S1_at	Nodulin-like protein	-3.07
Mtr.39062.1.S1_at	Mitogen-activated protein kinase KSS1	-3.07
Mtr.34540.1.S1_s_at	Hypothetical protein	-3.07
Mtr.15922.1.S1_at	Chloroplast channel forming outer membrane protein	-3.07
Mtr.4623.1.S1_at	WRKY transcription factor 32	-3.07
Mtr.9912.1.S1_at	Hypothetical protein	-3.07
Mtr.31487.1.S1_at	Agmatine Iminohydrolase	-3.07
Msa.1570.1.S1_at	Hypothetical protein	-3.07
Mtr.13908.1.S1_at	HSR203J protein-like protein	-3.07
Mtr.18494.1.S1_at	ZF-HD homeobox protein	-3.06
Mtr.29383.1.S1_at	Hypothetical protein	-3.06
Msa.1219.1.S1_at	Hypothetical protein	-3.06
Mtr.32290.1.S1_at	Hypothetical protein	-3.06
Mtr.15412.1.S1_at	Hypothetical protein	-3.06
Mtr.8858.1.S1_at	Biogenesis protein	-3.06
Mtr.5543.1.S1_at	Multidrug resistance-associated protein	-3.06
Mtr.13011.1.S1_at	Receptor protein kinase PERK1	-3.06
Mtr.32315.1.S1_at	Hypothetical protein	-3.06
Msa.1697.1.S1_at	Hypothetical protein	-3.06
Mtr.7219.1.S1_at	Dehydration-responsive protein RD22	-3.06
Mtr.29302.1.S1_at	Hypothetical protein	-3.06
Mtr.5819.1.S1_at	Hypothetical protein	-3.05
Mtr.38018.1.S1_at	Ids4-like protein	-3.05
Mtr.1230.1.S1_s_at	Hypothetical protein	-3.05
Mtr.5795.1.S1_at	Hypothetical protein	-3.05
Mtr.1068.1.S1_at	P-glycoprotein	-3.05
Mtr.2138.1.S1_at	Hypothetical protein	-3.05

Mtr.33445.1.S1_at	Plakoglobin/armadillo/beta-catenin-like protein	-3.05
Mtr.11785.1.S1_at	Hypothetical protein	-3.05
Mtr.51674.1.S1_at	Mitochondrial carrier protein	-3.04
Mtr.50961.1.S1_s_at	Anthranilate phosphoribosyl transferase	-3.04
Mtr.50778.1.S1_at	Hypothetical protein	-3.04
Mtr.34709.1.S1_at	Ser-thr protein kinase	-3.04
Msa.2664.1.S1_at	Hypothetical protein	-3.04
Mtr.38668.1.S1_at	Hypothetical protein	-3.04
Mtr.20400.1.S1_at	Hypothetical protein	-3.04
Mtr.43815.1.S1_at	Hypothetical protein	-3.04
Mtr.9776.1.S1_at	Hypothetical protein	-3.04
Mtr.40612.1.S1_at	Myo-inositol monophosphatase 2	-3.04
Mtr.35867.1.S1_at	Hypothetical protein	-3.04
Mtr.23330.1.S1_at	Hypothetical protein	-3.03
Mtr.33737.1.S1_at	Hypothetical protein	-3.03
Mtr.23638.1.S1_s_at	Hypothetical protein	-3.03
Mtr.37859.1.S1_at	Patatin-like protein	-3.03
Mtr.12148.1.S1_s_at	Hypothetical protein	-3.03
Mtr.42622.1.S1_at	Maturase	-3.03
Mtr.48816.1.S1_at	Phosphoglycerate mutase	-3.03
Mtr.32155.1.S1_at	Hypothetical protein	-3.03
Mtr.43393.1.S1_at	Nicotianamine synthase	-3.03
Mtr.14808.1.S1_at	Nascent polypeptide-associated complex NAC	-3.02
Mtr.9216.1.S1_at	Aspartyl aminopeptidase	-3.02
Mtr.6308.1.S1_at	DnaK-type molecular chaperone hsc70	-3.02
Mtr.43133.1.S1_at	Triosephosphate isomerase	-3.02
Mtr.44307.1.S1_s_at	Hypothetical protein	-3.02
Mtr.8532.1.S1_s_at	Alpha-expansin 3	-3.02
Mtr.36189.1.S1_at	Hypothetical protein	-3.02
Mtr.29554.1.S1_s_at	Hypothetical protein	-3.02
Msa.2953.1.S1_at	Hypothetical protein	-3.02
Mtr.36426.1.S1_at	Hypothetical protein	-3.02
Msa.1443.1.S1_at	Hypothetical protein	-3.02
Mtr.14518.1.S1_at	HAD-superfamily hydrolase	-3.02
Mtr.8662.1.S1_at	Calcium/calmodulin-dependent protein kinase CaMK3	-3.02
Mtr.28518.1.S1_at	Hypothetical protein	-3.02
Mtr.37597.1.S1_s_at	Hypothetical protein	-3.02
Mtr.43643.1.S1_at	Sucrose-phosphatase	-3.02
Mtr.23930.1.S1_s_at	Crp1 protein	-3.02
Msa.1387.1.S1_at	Hypothetical protein	-3.01
Msa.1906.1.S1_at	Hypothetical protein	-3.01
Mtr.43274.1.S1_at	Gamma hydroxybutyrate dehydrogenase	-3.01
Mtr.42142.1.S1_at	GTP-binding protein	-3.01
Mtr.10483.1.S1_at	Esterase D	-3.01
Mtr.30224.1.S1_at	Hypothetical protein	-3.01
Mtr.11718.1.S1_at	Hypothetical protein	-3.01
Mtr.50053.1.S1_at	Hypothetical protein	-3.01
Mtr.37626.1.S1_at	Peroxidase	-3.00
Mtr.9768.1.S1_at	Hypothetical protein	-3.00
Mtr.20785.1.S1_at	Homoserine dehydrogenase	-3.00

**Supplementary Table S5. Upregulated phytohormone related genes at 12 hrs after inoculation with soybean rust**

<b>Probesets</b>	<b>Target Description</b>	<b>Phytohormone</b>	<b>Fold reduction</b>
Mtr.40147.1.S1_s_at	Class 10 PR protein	Salicylic acid	199.02
Mtr.10391.1.S1_at	Class 10 PR protein	Salicylic acid	78.99
Mtr.41478.1.S1_at	Class 10 PR protein	Salicylic acid	60.99
Mtr.42966.1.S1_at	Disease resistance response protein Pi49 (PR10)	Salicylic acid	52.33
Mtr.12615.1.S1_at	Pathogenesis-related protein PR10A	Salicylic acid	29.95
Mtr.22903.1.S1_at	Chitinase (Class II)	Salicylic acid	20.89
Mtr.33334.1.S1_at	Exo-1,3-beta-glucanase	Salicylic acid	13.20
Mtr.6341.1.S1_at	Beta-1, 3-glucanase	Salicylic acid	11.64
Mtr.4464.1.S1_at	Thaumatococcus-like protein 1	Salicylic acid	11.00
Mtr.8763.1.S1_at	Thaumatococcus-like protein PR-5a	Salicylic acid	10.06
Mtr.7638.1.S1_at	Endo-1,3-beta-glucanase	Salicylic acid	7.87
Mtr.12277.1.S1_at	Class 10 PR protein	Salicylic acid	7.49
Mtr.43119.1.S1_at	Chorismate synthase 1	Salicylic acid	7.09
Mtr.35960.1.S1_at	1, 3-beta-glucanase-like protein	Salicylic acid	5.89
Mtr.12525.1.S1_at	Chitinase	Salicylic acid	5.10
Mtr.8884.1.S1_at	Pathogenesis-related protein 4A	Salicylic acid	5.06
Mtr.35231.1.S1_s_at	Pathogenesis-related protein	Salicylic acid	4.44
Mtr.41245.1.S1_at	Chorismate mutase	Salicylic acid	4.44
Mtr.45398.1.S1_at	Exo-1,3-beta-glucanase	Salicylic acid	4.23
Mtr.10325.1.S1_at	Chitinase	Salicylic acid	3.95
Mtr.15053.1.S1_at	Thaumatococcus	Salicylic acid	3.94
Mtr.42147.1.S1_at	Intracellular pathogenesis related protein	Salicylic acid	3.67
Mtr.5770.1.S1_at	Endo-1,3-beta-glucanase	Salicylic acid	3.34
Mtr.8944.1.S1_at	Chorismate mutase	Salicylic acid	3.31
Mtr.9221.1.S1_at	Salicylic acid glucosyltransferase	Salicylic acid	3.23
Mtr.33283.1.S1_at	Chitinase	Salicylic acid	3.16
Mtr.35231.1.S1_at	Pathogenesis-related protein	Salicylic acid	3.13
Mtr.42989.1.S1_at	Thaumatococcus-like protein PR-5b	Salicylic acid	126.14
Mtr.48288.1.S1_s_at	Senescence-associated protein	Jasmonic acid	4.48
Mtr.318.1.S1_at	OPR3 (12-oxophytodienoic acid 10,11-reductase)	Jasmonic acid	4.41
Mtr.37633.1.S1_at	Allene oxide synthase	Jasmonic acid	4.07
Mtr.320.1.S1_at	12-oxophytodienoic acid 10, 11-reductase	Jasmonic acid	4.01
Mtr.320.1.S1_x_at	12-oxophytodienoic acid 10, 11-reductase	Jasmonic acid	3.62
Mtr.41703.1.S1_at	Lipoxygenase	Jasmonic acid	3.55
Mtr.32884.1.S1_s_at	Jasmonic acid 2	Jasmonic acid	3.17
Mtr.12917.1.S1_at	Jasmonic acid 2	Jasmonic acid	3.11
Mtr.8462.1.S1_at	Lipoxygenase	Jasmonic acid	3.07
Mtr.44496.1.S1_at	AP2 domain-containing protein AP29-like	Ethylene	168.51
Mtr.5385.1.S1_at	Ethylene response factor-like AP2 domain transcription factor	Ethylene	79.56
Mtr.23418.1.S1_s_at	AP2 domain transcription factor	Ethylene	78.36
Mtr.5750.1.S1_at	Nicotiana EREBP-3-like protein	Ethylene	47.69
Mtr.7260.1.S1_at	Ethylene-induced esterase	Ethylene	41.86
Mtr.32914.1.S1_at	Ethylene-induced esterase	Ethylene	25.61
Mtr.9223.1.S1_at	Ethylene response factor-like AP2 domain transcription factor	Ethylene	23.58
Mtr.41694.1.S1_s_at	AP2 domain transcription factor	Ethylene	21.86
Mtr.9788.1.S1_at	ACC synthase	Ethylene	15.31
Mtr.45912.1.S1_at	Pathogenesis-related transcriptional factor, ERF	Ethylene	13.53
Mtr.12456.1.S1_at	AP2-related transcription factor	Ethylene	11.61

Mtr.43497.1.S1_at	Ethylene-forming-enzyme-like dioxygenase	Etylene	11.00
Mtr.4906.1.S1_s_at	1-aminocyclopropane-1-carboxylate oxidase (ACC oxidase)	Etylene	6.57
Mtr.10165.1.S1_at	Ethylene receptor	Etylene	6.41
Mtr.6378.1.S1_at	1-aminocyclopropanecarboxylic acid oxidase	Etylene	4.71
Mtr.10424.1.S1_at	Ethylene responsive element binding factor	Etylene	4.20
Mtr.39861.1.S1_at	Ethylene response factor ERF1	Etylene	4.11
Mtr.39021.1.S1_at	AP2 domain transcription factor	Etylene	4.02
Mtr.7556.1.S1_at	AP2 domain containing protein	Etylene	3.98
Mtr.43104.1.S1_at	1-aminocyclopropanecarboxylic acid oxidase	Etylene	3.82
Mtr.9002.1.S1_at	1-aminocyclopropane-1-carboxylic acid oxidase	Etylene	3.54
Mtr.10425.1.S1_at	Ethylene responsive element binding factor	Etylene	3.33
Mtr.13557.1.S1_at	Ethylene receptor homolog	Etylene	3.32
Mtr.39020.1.S1_at	Ethylene receptor homolog	Etylene	3.27
Mtr.42021.1.S1_at	1-aminocyclopropane-1-carboxylate oxidase	Etylene	3.08
Mtr.27695.1.S1_at	Auxin response factor 30	Auxin	44.90
Mtr.38270.1.S1_at	ABA-responsive protein	Auxin	21.11
Mtr.35852.1.S1_at	Auxin-induced protein	Auxin	10.96
Mtr.35357.1.S1_at	Auxin-regulated gene	Auxin	10.10
Mtr.25476.1.S1_at	Auxin efflux carrier protein family	Auxin	9.31
Mtr.696.1.S1_at	Auxin-induced (indole-3-acetic acid induced) protein	Auxin	8.13
Mtr.49400.1.S1_at	Auxin responsive SAUR protein	Auxin	7.58
Mtr.10147.1.S1_at	Auxin-induced SAUR-like protein	Auxin	3.50
Mtr.13714.1.S1_at	Auxin-induced protein	Auxin	3.25
Mtr.12959.1.S1_s_at	Auxin response factor	Auxin	3.25
Mtr.44219.1.S1_at	Cytokinin oxidase-like protein	Cytokinin	8.86
Mtr.38799.1.S1_s_at	Cytokinin oxidase-like protein	Cytokinin	7.86
Mtr.38799.1.S1_at	Cytokinin oxidase-like protein	Cytokinin	6.06
Mtr.48768.1.S1_at	Gibberellin regulated protein	Gibberellin	38.44
Mtr.15448.1.S1_at	Gibberellin regulated protein	Gibberellin	5.14
Mtr.1887.1.S1_at	Gibberellin oxidase-like protein	Gibberellin	3.10



**Supplementary Table S6. Downregulated phytohormone related genes at 12 hrs post inoculation with soybean rust**

<b>Probesets</b>	<b>Target Description</b>	<b>Pytohormone</b>	<b>Fold reduction</b>
Mtr.39853.1.S1_at	Basic PR-1 protein	Salicylic acid	-46.12
Mtr.8977.1.S1_at	Pathogenesis-related protein	Salicylic acid	-37.07
Mtr.8572.1.S1_at	Thaumatococcus-like protein	Salicylic acid	-14.68
Mtr.7850.1.S1_s_at	Thaumatococcus-like protein	Salicylic acid	-10.98
Mtr.9686.1.S1_at	Beta-1,3-glucanase	Salicylic acid	-9.64
Mtr.30196.1.S1_at	S-adenosyl-L-methionine:salicylic acid carboxyl methyltransferase	Salicylic acid	-9.25
Mtr.9418.1.S1_s_at	Pathogenesis-related protein	Salicylic acid	-8.69
Mtr.19902.1.S1_at	Isochorismate synthases	Salicylic acid	-7.64
Mtr.6757.1.S1_at	Thaumatococcus-like protein	Salicylic acid	-6.25
Mtr.31555.1.S1_at	Beta-1,3-glucanase	Salicylic acid	-4.57
Mtr.43889.1.S1_at	Beta-1,3-glucanase	Salicylic acid	-4.41
Mtr.19007.1.S1_at	Barwin-related endoglucanase	Salicylic acid	-4.28
Mtr.10332.1.S1_at	Class Ib chitinase	Salicylic acid	-3.96
Mtr.40247.1.S1_at	Salicylic acid glucosyltransferase	Salicylic acid	-3.50
Mtr.8427.1.S1_at	Lipoxygenase	Jasmonic acid	-469.91
Mtr.52215.1.S1_at	Lipoxygenase	Jasmonic acid	-159.17
Mtr.6142.1.S1_at	Jasmonate O-methyltransferase	Jasmonic acid	-95.18
Mtr.50430.1.S1_at	Lipoxygenase	Jasmonic acid	-68.30
Mtr.5628.1.S1_s_at	Lipoxygenase	Jasmonic acid	-45.95
Mtr.50426.1.S1_at	Lipoxygenase	Jasmonic acid	-38.23
Mtr.13356.1.S1_at	Allene oxide cyclase C4	Jasmonic acid	-21.46
Mtr.40691.1.S1_at	Lipoxygenase	Jasmonic acid	-20.46
Mtr.11326.1.S1_at	Leaf senescence protein	Jasmonic acid	-20.38
Mtr.12720.1.S1_at	Lipoxygenase	Jasmonic acid	-16.43
Mtr.10593.1.S1_at	Allene oxide cyclase	Jasmonic acid	-14.25
Mtr.25367.1.S1_at	12-oxophytodienoic acid 10, 11-reductase	Jasmonic acid	-8.80
Mtr.15289.1.S1_at	Lipoxygenase	Jasmonic acid	-7.73
Mtr.8435.1.S1_at	Lipoxygenase	Jasmonic acid	-4.79
Mtr.29279.1.S1_at	Lipoxygenase	Jasmonic acid	-4.68
Mtr.13736.1.S1_at	Senescence-associated protein SAG102	Jasmonic acid	-3.53
Mtr.17317.1.S1_at	S-adenosyl-methionine-sterol-C-methyltransferase	Ethylene	-43.67
Mtr.34453.1.S1_at	1-aminocyclopropane-1-carboxylate synthase	Ethylene	-4.44
Mtr.28159.1.S1_at	AP2 domain transcription factor	Ethylene	-4.38
Mtr.42121.1.S1_at	1-aminocyclopropane-1-carboxylate synthase	Ethylene	-3.54
Mtr.11023.1.S1_at	Ethylene-responsive family protein	Ethylene	-3.11
Mtr.39924.1.S1_at	Ethylene-responsive family protein	Ethylene	-3.10
Mtr.25935.1.S1_at	Auxin-induced protein 15A	Auxin	-30.87
Mtr.25935.1.S1_x_at	Auxin-induced protein 15A	Auxin	-28.10
Mtr.49774.1.S1_at	Auxin responsive SAUR	Auxin	-16.68
Mtr.39011.1.S1_at	Auxin-binding protein	Auxin	-13.64
Mtr.49776.1.S1_x_at	Auxin responsive SAUR	Auxin	-5.14
Mtr.6658.1.S1_at	Auxin-induced protein	Auxin	-4.55
Mtr.19917.1.S1_at	Auxin responsive SAUR	Auxin	-3.44
Mtr.18240.1.S1_at	Auxin responsive SAUR protein	Auxin	-3.28
Mtr.26216.1.S1_at	Auxin response factor 5	Auxin	-3.19
Mtr.20619.1.S1_x_at	Auxin responsive SAUR	Auxin	-3.05
Mtr.28644.1.S1_at	Cytokinin receptor	Cytokinin	-10.36

Mtr.14157.1.S1\_at

Gibberellin regulated protein

Gibberellin

-5.16

**Supplementary Table S7. Upregulated phytohormone related genes at 24 hrs post inoculation with soybean rust**

<b>Probesets</b>	<b>Target Description</b>	<b>Phytohormone</b>	<b>Fold reduction</b>
Mtr.40147.1.S1_s_at	Class 10 PR protein	Salicylic acid	212.17
Mtr.42989.1.S1_at	Thaumatococcus-like protein PR-5b	Salicylic acid	148.87
Mtr.331.1.S1_at	Chitinase	Salicylic acid	132.80
Mtr.10391.1.S1_at	Class 10 PR protein	Salicylic acid	98.15
Mtr.40555.1.S1_at	Osmotin-like protein	Salicylic acid	68.96
Mtr.43852.1.S1_at	Acidic glucanase	Salicylic acid	65.97
Mtr.8763.1.S1_at	Thaumatococcus-like protein PR-5a	Salicylic acid	53.55
Mtr.41478.1.S1_at	Class 10 PR protein	Salicylic acid	42.29
Mtr.45398.1.S1_at	Exo-1,3-beta-glucanase	Salicylic acid	21.29
Mtr.12615.1.S1_at	Pathogenesis-related protein PR10A	Salicylic acid	18.12
Mtr.12277.1.S1_at	Class 10 PR protein	Salicylic acid	17.56
Mtr.32629.1.S1_s_at	Thaumatococcus-like protein PR-5a	Salicylic acid	14.39
Mtr.8884.1.S1_at	Pathogenesis-related protein 4A	Salicylic acid	13.09
Mtr.12466.1.S1_at	Chitinase	Salicylic acid	11.91
Mtr.33334.1.S1_at	Exo-1,3-beta-glucanase	Salicylic acid	11.09
Mtr.35231.1.S1_s_at	Pathogenesis-related protein	Salicylic acid	8.62
Mtr.22903.1.S1_at	Chitinase (Class II)	Salicylic acid	8.09
Mtr.15053.1.S1_at	Thaumatococcus	Salicylic acid	7.67
Mtr.10325.1.S1_at	Chitinase	Salicylic acid	6.63
Mtr.35960.1.S1_at	1, 3-beta-glucanase	Salicylic acid	6.27
Mtr.9569.1.S1_at	Thaumatococcus-like protein 1	Salicylic acid	5.80
Mtr.35231.1.S1_at	Pathogenesis-related protein	Salicylic acid	5.66
Mtr.39139.1.S1_at	Pathogenesis-related protein 4A	Salicylic acid	4.87
Mtr.7638.1.S1_at	Endo-1,3-beta-glucanase	Salicylic acid	4.68
Mtr.12525.1.S1_at	Chitinase	Salicylic acid	4.60
Mtr.15054.1.S1_at	Thaumatococcus	Salicylic acid	4.60
Mtr.6341.1.S1_at	Beta-1, 3-glucanase	Salicylic acid	4.44
Mtr.10968.1.S1_at	Osmotin-like protein	Salicylic acid	4.34
Mtr.7638.1.S1_s_at	Endo-1,3-beta-glucanase	Salicylic acid	4.05
Mtr.41245.1.S1_at	Chorismate mutase CM2	Salicylic acid	3.71
Mtr.9221.1.S1_at	Salicylic acid glucosyltransferase	Salicylic acid	3.35
Mtr.35896.1.S1_at	Chitinase	Salicylic acid	3.26
Mtr.3520.1.S1_s_at	Exo-beta-glucanase	Salicylic acid	3.26
Mtr.39487.1.S1_s_at	Lipoxygenase	Jasmonic acid	3.88
Mtr.6540.1.S1_at	Lipoxygenase	Jasmonic acid	3.73
Mtr.20079.1.S1_at	Lipoxygenase	Jasmonic acid	3.65
Mtr.12917.1.S1_at	Jasmonic acid 2	Jasmonic acid	3.36
Mtr.13483.1.S1_at	13-lipoxygenase	Jasmonic acid	3.19
Mtr.32884.1.S1_s_at	Jasmonic acid 2	Jasmonic acid	3.14
Mtr.23418.1.S1_s_at	AP2 domain transcription factor	Ethylene	130.97
Mtr.42129.1.S1_at	AP2 domain transcription factor	Ethylene	69.26
Mtr.44496.1.S1_at	AP2 domain-containing protein	Ethylene	34.36
Mtr.7260.1.S1_at	Ethylene-induced esterase	Ethylene	27.08
Mtr.5385.1.S1_at	AP2 domain transcription factor	Ethylene	22.86
Mtr.9223.1.S1_at	AP2 domain transcription factor	Ethylene	16.36
Mtr.7556.1.S1_at	AP2 domain containing protein	Ethylene	9.36
Mtr.39267.1.S1_at	1-aminocyclopropane-1-carboxylate synthase	Ethylene	9.14
Mtr.45912.1.S1_at	Pathogenesis-related transcriptional factor and ERF	Ethylene	8.86

Mtr.4906.1.S1_s_at	1-aminocyclopropane-1-carboxylate oxidase	Ethylene	6.87
Mtr.43497.1.S1_at	Ethylene-forming-enzyme-like dioxygenase	Ethylene	6.62
Mtr.10165.1.S1_at	Ethylene receptor	Ethylene	5.89
Mtr.12456.1.S1_at	AP2-related transcription factor	Ethylene	5.43
Mtr.32914.1.S1_at	Ethylene-induced esterase	Ethylene	4.29
Mtr.5750.1.S1_at	EREBP-3-like protein	Ethylene	4.16
Mtr.43466.1.S1_at	Ethylene receptor	Ethylene	3.75
Mtr.10424.1.S1_at	Ethylene responsive element binding factor	Ethylene	3.54
Mtr.51291.1.S1_at	Pathogenesis-related transcriptional factor and ERF	Ethylene	3.52
Mtr.10425.1.S1_at	Ethylene responsive element binding factor	Ethylene	3.51
Mtr.39020.1.S1_at	Ethylene receptor homolog	Ethylene	3.23
Mtr.41694.1.S1_s_at	AP2 domain transcription factor	Ethylene	3.22
Mtr.35057.1.S1_at	1-aminocyclopropane-1-carboxylate synthase 1	Ethylene	3.10
Mtr.11873.1.S1_at	Ethylene-overproduction protein	Ethylene	3.09
Mtr.43104.1.S1_at	1-aminocyclopropanecarboxylic acid oxidase	Ethylene	3.07
Mtr.39368.1.S1_at	Ethylene receptor homolog	Ethylene	3.03
Mtr.13557.1.S1_at	Ethylene receptor homolog	Ethylene	3.01
Mtr.49400.1.S1_at	Auxin responsive SAUR protein	Auxin	15.16
Mtr.35852.1.S1_at	Auxin-induced protein	Auxin	12.47
Mtr.27695.1.S1_at	Auxin response factor	Auxin	11.68
Mtr.696.1.S1_at	Auxin-induced (indole-3-acetic acid induced) protein	Auxin	11.06
Mtr.25476.1.S1_at	Auxin efflux carrier protein	Auxin	8.01
Mtr.35357.1.S1_at	Auxin-regulated gene	Auxin	5.63
Mtr.10147.1.S1_at	Auxin-induced SAUR-like protein	Auxin	5.42
Mtr.49791.1.S1_at	Auxin responsive SAUR protein	Auxin	4.90
Mtr.49791.1.S1_x_at	Auxin responsive SAUR protein	Auxin	4.77
Mtr.13714.1.S1_at	Auxin-induced protein 22D	Auxin	3.64
Mtr.44219.1.S1_at	Cytokinin oxidase-like protein	Cytokinin	3.95
Mtr.38799.1.S1_s_at	Cytokinin oxidase	Cytokinin	3.55
Mtr.38799.1.S1_at	Cytokinin oxidase	Cytokinin	3.26
Mtr.48768.1.S1_at	Gibberellin regulated protein	Gibberellin	38.94
Mtr.15448.1.S1_at	Gibberellin regulated protein	Gibberellin	5.72
Mtr.18228.1.S1_at	Gibberellin regulated protein	Gibberellin	5.59

**Supplementary Table S8. Downregulated phytohormone related genes at 24 hrs post inoculation with soybean rust**

<b>Probesets</b>	<b>Target Description</b>	<b>Phytohormone</b>	<b>Fold reduction</b>
Mtr.39853.1.S1_at	Basic PR-1 protein	Salicylic acid	-47.85
Mtr.8977.1.S1_at	Pathogenesis-related protein 1	Salicylic acid	-27.66
Mtr.7850.1.S1_s_at	Thaumatococcus-like protein	Salicylic acid	-15.79
Mtr.9686.1.S1_at	Beta-1,3-glucanase	Salicylic acid	-14.00
Mtr.9418.1.S1_s_at	Pathogenesis-related protein	Salicylic acid	-11.85
Mtr.19902.1.S1_at	Isochorismate synthases	Salicylic acid	-11.55
Mtr.30196.1.S1_at	Salicylic acid carboxyl methyltransferase	Salicylic acid	-9.42
Mtr.43889.1.S1_at	Beta-1,3-glucanase-like protein	Salicylic acid	-6.36
Mtr.31555.1.S1_at	Beta-1,3-glucanase	Salicylic acid	-5.24
Mtr.8572.1.S1_at	Thaumatococcus-like protein	Salicylic acid	-4.84
Mtr.19007.1.S1_at	Barwin-related endoglucanase	Salicylic acid	-4.32
Mtr.6757.1.S1_at	Thaumatococcus-like protein	Salicylic acid	-3.84
Mtr.19465.1.S1_at	Thaumatococcus	Salicylic acid	-3.45
Mtr.8427.1.S1_at	Lipoxygenase	Jasmonic acid	-456.09
Mtr.50430.1.S1_at	Lipoxygenase	Jasmonic acid	-157.13
Mtr.52215.1.S1_at	Lipoxygenase	Jasmonic acid	-155.36
Mtr.5628.1.S1_s_at	Lipoxygenase	Jasmonic acid	-111.69
Mtr.6142.1.S1_at	Jasmonate O-methyltransferase	Jasmonic acid	-86.62
Mtr.50426.1.S1_at	Lipoxygenase	Jasmonic acid	-72.43
Mtr.40691.1.S1_at	Lipoxygenase	Jasmonic acid	-30.40
Mtr.12720.1.S1_at	Lipoxygenase	Jasmonic acid	-26.16
Mtr.10593.1.S1_at	Allene oxide cyclase	Jasmonic acid	-23.13
Mtr.11326.1.S1_at	Leaf senescence protein	Jasmonic acid	-22.46
Mtr.25367.1.S1_at	12-oxophytodienoic acid 10, 11-reductase	Jasmonic acid	-21.34
Mtr.13356.1.S1_at	Allene oxide cyclase C4	Jasmonic acid	-20.12
Mtr.15289.1.S1_at	Lipoxygenase	Jasmonic acid	-8.64
Mtr.13736.1.S1_at	Senescence-associated protein SAG102	Jasmonic acid	-5.29
Mtr.8435.1.S1_at	Lipoxygenase	Jasmonic acid	-5.26
Mtr.29279.1.S1_at	Lipoxygenase	Jasmonic acid	-5.20
Mtr.44182.1.S1_s_at	LEA protein	Jasmonic acid	-4.46
Mtr.50427.1.S1_at	Lipoxygenase	Jasmonic acid	-3.54
Mtr.17317.1.S1_at	S-adenosyl-methionine-sterol-C-methyltransferase	Ethylene	-50.99
Mtr.43282.1.S1_at	S-adenosyl-L-methionine: 2,7,4'-trihydroxyisoflavanone 4'-O-methyltransferase	Ethylene	-11.70
Mtr.42121.1.S1_at	1-aminocyclopropane-1-carboxylate synthase	Ethylene	-4.17
Mtr.28159.1.S1_at	AP2 domain transcription factor	Ethylene	-3.98
Mtr.11023.1.S1_at	Ethylene-responsive family protein	Ethylene	-3.43
Mtr.39924.1.S1_at	Ethylene-responsive family protein	Ethylene	-3.11
Mtr.25935.1.S1_at	Auxin-induced protein 15A	Auxin	-135.38
Mtr.25935.1.S1_x_at	Auxin-induced protein 15A	Auxin	-118.89
Mtr.49764.1.S1_at	Auxin Efflux Carrier	Auxin	-20.20
Mtr.39011.1.S1_at	Auxin-binding protein ABP19b	Auxin	-18.44
Mtr.26217.1.S1_at	Auxin response factor 5	Auxin	-5.24
Mtr.49774.1.S1_at	Auxin responsive SAUR protein	Auxin	-4.38
Mtr.49776.1.S1_x_at	Auxin responsive SAUR protein	Auxin	-3.80
Mtr.26216.1.S1_at	Auxin response factor 5	Auxin	-3.44
Mtr.6658.1.S1_at	Auxin-induced protein	Auxin	-3.39

Mtr.28644.1.S1_at	Cytokinin receptor, partial (26%)	Cytokinin	-7.53
Mtr.14157.1.S1_at	Gibberellin regulated protein	Gibberellin	-5.06

**Supplementary Table S9. The expression of genes encoding enzymes for chlorophyll catabolism**

<b>Gene</b>	<b>Probesets</b>	<b>Ratio (ASR12/mock)</b>	<b>Ratio (ASR24/mock)</b>
<i>SGR</i>	Mtr.40782.1.S1_at	3.56	6.53
<i>NYCI</i>	Mtr.43688.1.S1_at	0.61	3.14
<i>CHL</i>	Mtr.39762.1.S1_at	50.16	15.94
<i>PAO</i>	Mtr.50948.1.S1_at	1.08	3.23
<i>RCCR</i>	Mtr.12637.1.S1_at	0.36	0.33

**Supplementary Table S10. List of primers used in this study**

<b>Gene</b>	<b>Probesets</b>	<b>FW primer</b>	<b>RV primer</b>
<i>Ubiquitin</i>	Mtr.40698.1.S1_at	CTGACAGCCCCTGAATTGTGA	TTTTGGCATTGCTGCAAGC
<i>PAL</i>	Mtr.40166.1.S1_s_at	TCCACTTTCTTGATCGCGCTTTGC	ACTCCCTGTGACAACCTTTGAGCA
<i>CHS</i>	Mtr.40122.1.S1_s_at	CATGTGTGATAAATCTATGATCAA	CAGACAACCAACACACGAGCACCT
<i>CHR</i>	Mtr.17404.1.S1_s_at	GGAGATGAACCTTGCATGGCAACA	TGGTTGGTCCAGGGATCAAACGAT
<i>CHI</i>	Mtr.37413.1.S1_s_at	TCCTAGCTGCCAAATGGAAGGGT	GCAGCCAACAGCGCTTAAGATCA
<i>IFS</i>	Mtr.11725.1.S1_at	ACCTGCTCAACGCCACCACTATTA	TGCTCGCCCTCTATGATTTCTCCA
<i>HI4'OMT</i>	Mtr.8652.1.S1_at	GAAGCTTTGAAGGAGGTGTGAGAG	AGCCATGGAAGTAGGCATAGCTGA
<i>2HID</i>	Mtr.10466.1.S1_at	AGAACTTCCACCTCTTCTCCGTGT	AATCCCACCAGGTGCATCAGGATA
<i>I2'H</i>	Mtr.8605.1.S1_at	TGCAGCAGCTCCATTATTAGTGCC	AGCCCTTCTACCCAACCCAAATGA
<i>IFR</i>	Msa.2530.1.S1_s_at	ATGTCACTGAGGCTGATGTTGGGA	AGCAGTGGTGTATGTGACATCAGG
<i>VR</i>	Mtr.25021.1.S1_at	TGACTTCGCTGTGAGTGAACCAGA	GCGTCCACGAGTTTCTTCGTGTTT
<i>NYCI</i>	Mtr.43688.1.S1_at	AATATGGACGGTGCAGGTTCTGGA	AACGACTCGCATCCGTGGAACATA
<i>CHL</i>	Mtr.39762.1.S1_at	TTACACCGACAGTGGAAAGGCACAT	ACTTCACATGGTTCCTGGCATAGGT
<i>PAO</i>	Mtr.50948.1.S1_at	GGGTTGCTCTTTGTTTGGCCTGAT	ACTGATCCGTGGGTTCCCTTCATT
<i>RCCR</i>	Mtr.12637.1.S1_at	CAACACTTGCTTCGAAACCGGTCA	TGATCCGAAGCAGTCCAACAATGC
<i>SGR</i>	Mtr.40782.1.S1_at	TTGCAAAGGGATGAAGTTGTGGCG	AGGTTGTGAAGCCTCCTTTAGTGG
<i>PR3</i>	Mtr.331.1.S1_at	GCTGCTTTCTTGGGTCAAAC	GTATGTGCTGCTGGGATTCT
<i>PR4</i>	Msa.3006.1.S1_at	GGCAAGTGCTTGAGGGTGACAAAT	ATCCAAGTTACGTGTAGCACCGCT
<i>PR10</i>	Mtr.34114.1.S1_s_at	AGAGTGTTGAAACCGTCGAGGGAA	TAGACCCTCCATTTGGGCCTTCAA
<i>Hsr203J</i>	Mtr.40659.1.S1_at	TTCCCATCCATCCTGGGTTTGTCA	AATGGCGGCAGTTTCAATCCATCG