

Large-scale identification of differentially expressed genes in maize inbreds susceptible and resistant to *Fusarium* ear rot

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Supplementary Table 2

Table 2. Putative functions of significant up-regulated genes after *Fusarium verticillioides* inoculation.

GeneBank	Ratio	Description	GeneBank	Ratio	Description
Reactive oxygen scavengers			Signal transduction		
CF626259	36.9	Glutathione S-transferase 25	CF028241	41.6	Serine/threonine kinase
BM378126	25.2	Polyphenol oxidase	BM340753	6.0	Dirigent-like protein
BM381141	13.1	FAD linked oxidase	AW054131	1.5	AtRABG3a; GTP binding
AF244699.1	10.6	Glutathione S-transferase 34	CF625889	1.7	Mitochondrial carrier protein
AF244673.1	10.5	Glutathione S-transferase 8	CK347379	4.1	RELA/Spot homolog 3
AF244696.1	10.3	Glutathione transferase31	BG842857	3.9	Protein kinase
BM074810	9.8	Germin-like protein	CK786707	3.6	CBL-Interacting kinase 23
BM380003	9.7	Glutathione transferase31	AW052994	3.5	Mitochondrial carrier protein
BM380468	9.3	Peroxidase	AY106462.1	3.4	Putative cytidine deaminase
BF729465	9.2	Phospholipase 2A	BM380658	1.9	Ethylene responsive protein
BM348474	8.1	Germin-like protein 6	BM074538	3.3	Divergent CCT motif
BM380003	7.9	Glutathione transferase31	L46397.1	3.2	MADS box protein
AF244696.1	7.4	Glutathione transferase31	CK371597	1.9	Protein kinase family protein
AF244689.2	7.3	Glutathione S-transferase 24	BM379246	1.9	C2 domain-containing protein
BM080388	6.5	Acc oxidase	CK786725	1.8	Mitochondrial carrier protein
CD975063	4.7	Glutamate decarboxylase 1	AW144867	1.7	Zea mays MADS29
BM380468	6.2	Peroxidase	CF003837	2.9	CP5//START domain.
BU050860	5.0	Peroxidase	AI746262	1.5	Rab GTPase
CD955909	4.0	Protein phosphatase 2C	AI637237	2.9	NAC domain protein 81
CO518420	1.9	Glutamine amidotransferase	BM348133	2.9	Aldohcyase
AJ606944.1	3.8	Cytokinin oxidase 3	AW424529	2.9	Serine/threonine-protein kinase
BQ619345	3.8	Glutamine synthetase	D84508.1	2.8	CDPK-related protein kinase
BM074289	3.7	Oxidoreductase	BM078773	2.8	Serine/threonine phosphatase
CF633932	3.3	Protein phosphatase 2C	BM382100	2.6	C2 domain-containing protein
D14576.1	1.5	Glutamine synthetase5	AW424469	2.5	Copper ion binding
AW282383	3.0	Peroxidase 12 (PER12)	AI001350	2.5	ABC1 family protein
BI675120	3.0	Allene oxide synthase	BM074921	2.4	MAP kinase kinase/ kinase
U12679.1	2.8	Glutathione S-transferase2	CK369553	1.7	RAB GTPase activator
CD944097	2.7	Phosphatidic acid phosphatase-	AY111125.1	2.4	S-locus protein kinase-related
BQ538340	2.6	Protein phosphatase 2C	BM074400	2.4	TB2/DP1, HVA22 family
AF244695.1	1.8	Glutathione transferase30	AI612473	2.4	SHAGGY-related kinase 11
AY112108.1	2.6	Cytokinin oxidase1	CO528199	1.9	Leucine-rich protein kinase
CO524440	2.6	Protein phosphatase 2C	AW433422	2.3	EF-hand superfamily
AY488135.1	2.5	Allene oxide synthase	BM075855	2.3	Aldose 1-epimerase protein
BM072844	2.5	Protein phosphatase 2C	BM349650	1.7	Phosphoinositide phosphatase protein
CF633932	2.4	Protein phosphatase 2C	BM078565	2.3	Nicotinamidase 3
AY111205.1	1.6	Oxidoreductase family protein	AY107848.1	1.6	Jasmonate resistant 1
CO524440	2.4	Protein phosphatase 2C	CA400524	2.3	Mitotic checkpoint protein
CO527646	2.3	Lipoxygenase	CF634502	3.7	Trehalose-6-phosphate phosphatase
AI666066	2.3	Phosphatidic acid phosphatase	CN844302	1.8	Nicotinamidase
BM266610	2.3	Phosphatidic acid phosphatase	CK347857	2.2	Hydrolase
BM268586	2.3	Glutamine synthetase	AY111125.1	2.2	S-locus protein kinase-related
AY107230.1	1.9	Peroxidase	BQ294442	1.7	CBS domain-containing protein
CO518420	2.1	Glutamine amidotransferase	AI854985	2.2	Protein kinase family protein
CF636987	2.1	Lipoxygenase	AY107567.1	2.1	Serine/threonine-protein kinase
AI691521	1.5	Protein phosphatase 2C-related	AY108030.1	1.5	PfkB-type carbohydrate kinase

BG840794	1.5	Amine oxidase	CA399319	2.1	Binding
CF637772	1.6	Glutathione peroxidase	BE640401	1.5	Protein kinases
BQ619139	1.5	(S)-2-hydroxy-acid oxidase	BM348398	1.4	C2 domain-containing protein
BQ619139	1.5	(S)-2-hydroxy-acid oxidase	BF728775	2.0	Protein kinases
BM074810	7.2	Germin-like protein	BM339690	1.8	Divergent CCT motif
BM381141	5.9	FAD linked oxidase	BM378233	1.8	Protein kinase
BM348474	3.6	Germin-like protein	BM349883	1.9	Phosphatase
CF626259	36.9	Glutathione S-transferase 25	BM379252	1.5	Cyclin-dependent kinase
BM378126	25.2	Polyphenol oxidase	AI668278	2.0	DNA-binding domain
BM381141	13.1	FAD linked oxidase	CA402707	1.5	DNA binding domain
AF244699.1	10.6	Glutathione S-transferase 34	CD998714	2.0	T-complex protein 11
AF244673.1	10.5	Glutathione S-transferase 8	BM382616	1.5	Phosphoenolpyruvate carboxykinase 1
AF244696.1	10.3	Glutathione transferase31	Transcriptional regulators		
BM074810	9.8	Germin-like protein, putative	BM267416	37.2	Leucine-rich repeat
BM380003	9.7	Glutathione transferase31	BE512131	20.3	ZIM domain containing protein
BM380468	9.3	Peroxidase	BM350297	8.4	WRKY DNA-binding protein 45
BF729465	9.2	Phospholipase 2A	BM269291	7.6	Transcription factor WRKY11
BM348474	8.1	Germin-like protein 6	AI759084	5.4	ANAC057 transcription factor
BM380003	7.9	Glutathione transferase31	CK827091	5.3	SYG1/Pho81/XPR1 protein
AF244696.1	7.4	Glutathione transferase31	AF521880.1	4.9	R2R3 transcription factor MYB25
AF244689.2	7.3	Glutathione S-transferase 24	BM267025	4.9	MYB domain protein 112
BM080388	6.5	Acc oxidase	BG840536	7.1	EF-hand Ca2+-binding protein
CD975063	4.7	Glutamate decarboxylase 1	CK827521	4.7	Ustilago maydis induced11
BM380468	6.2	Peroxidase	BM349111	4.7	WRKY DNA-Bing protein 75
BU050860	5.0	Peroxidase	BM380633	1.9	NAP transcription factor
CD955909	4.0	Protein phosphatase 2C	BM334549	4.3	Helix-loop-helix proteins
CO518420	1.9	Glutamine amidotransferase	CK347732	4.2	IAA-leucine resistant (ILR) gene 6
AJ606944.1	3.8	Cytokinin oxidase 3	BM500911	3.9	Nse4 DNA repair complex
BQ619345	3.8	Glutamine synthetase	CF015021	3.4	SH3 domain protein 2 (SH3P2)
BM074289	3.7	Oxidoreductase	CO533657	3.1	Zinc-binding family protein
CF633932	3.3	Protein phosphatase 2C	AI374564	3.1	Zinc induced facilitator like 2
Defense anti-microbial proteins			BE510664	1.7	Calcium-binding EF hand protein
AI649523	15.3	Pathogenesis-related protein 2	BM349832	3.0	Zinc finger protein-related
CO526016	14.4	Multi antimicrobial protein	CO529717	3.0	Calcium-binding EF hand protein
BM332843	10.7	Pleiotropic drug resistance1	CF075549	1.6	Helix-loop-helix leucine zipper motif
BQ577810	9.4	ADP_ribosyl Super-family	AI941949	3.0	RING-finger component
BM266904	7.3	TGA1	CN845273	2.8	Zinc finger family protein
BM339959	7.2	Pleiotropic drug resistance12	AW400130	1.9	Tetratricopeptide repeat domain
AF540907.1	6.9	Benzoxazin6	BM268752	2.8	WRKY DNA -binding domain.
AY105014.1	6.8	Multidrug Resistance Protein f	CF649214	2.7	Zinc finger family protein
CO523056	1.5	Catalytic compounds	AI586583	2.7	Zinc finger family protein
CK368433	6.4	MATE efflux family protein	CA399900	2.7	ACR3 (ACT Domain Repeat 3)
BG842622	6.1	Ultrapetala1	CK370903	1.7	Calcium-binding EF hand protein
BM340753	6.0	Dirigent-like protein	BE051646	2.5	Zinc finger family protein
AI770835	5.6	Ultrapetala1	CF628027	2.5	Calcium-binding EF hand protein
BG873885	5.4	Transparent /oxygen binding	BG842406	2.5	Harpin binding protein 1 (HrBP1)
CN844639	5.4	ACT7 (actin 7)	CO529717	1.8	Calcium-binding EF hand protein
CK827091	5.3	SYG1/Pho81/XPR1 protein	CF348807	2.4	ACR8 (ACT Domain Repeat 8)
CO522174	4.9	Dxr protein	AI691384	1.7	RNA helicase
CD433884	4.9	Epidermal growth factor protein	BM073390	6.4	EF-hand Ca2+-binding protein
CO523056	1.5	Catalytic compounds	AW433422	2.3	EF-hand superfamily
CO518283	4.8	Pirin, putative	BQ619413	2.3	Divergent CCT transcription factors
CK827521	4.7	Ustilago maydis induced11	BM339440	1.8	zinc-binding family protein
BM379188	4.5	Pathogenesis-related protein v I	CK369414	1.7	R2R3MYB-domain protein
BM338644	4.4	Embryo-abundant protein	CO532781	1.5	NAC1 transcription factor
BG840795	4.4	Elicitor activated genes 3	CD997379	1.9	VHS domain-containing protein
BM347268	4.2	Plastocyanin-like domain	AY103902.1	1.5	DEK C terminal domain
AY106986.1	4.1	Multidrug resistance protein 1	CF003582	1.7	Kelch repeat F-box protein
BM266902	4.0	IDP642 protein	BM072860	1.7	Zinc finger type
AY107581.1	4.0	SPL2	CN844946	2.1	Plant U-BOX17
L20621.1	1.9	Tassel seed2	AY107233.1	1.5	One-Helix protein 2
AF540907.1	3.7	Benzoxazin6	BM382529	1.6	EF-hand binding protein
AY107723.1	3.6	Postsynaptic protein-related	AY264368.1	1.8	CRS2-associated factor 1
AF543417.1	3.5	Major facilitator antiporter	BM379695	1.8	WRKY DNA-binding protein 65
X57077.1	1.9	H1 histone	CN845134	2.0	Kelch repeat F-box protein
BM379606	3.5	FLOR1,enzyme inhibitor	AY108280.1	2.0	Transcription factor MYB31
BM497690	2.9	IDP204 protein	Transporters		
CO521073	1.8	TGA1a-related gene 6	AY108577.1	24.3	Hexose transporter
BM337996	2.7	Pleiotropic drug resistance 12	CN845401	8.4	Carbohydrate transmembrane transporter
BG268635	2.7	Epidermal growth receptor	CA398576	6.6	Potassium channel

BG320076	1.5	TTN7 (TITAN7)	BM379939	9.9	Rotamase CyP 3
BM266932	1.7	Pyroolidone-carboxylate peptidase	CF626642	1.7	Phosphoglycerate mutase-related protein
AY109698.1	1.6	Asr protein	BQ619190	5.1	Carbohydrate transmembrane transporter
BG841113	2.5	BES1-Interacting MYC-like protein 2	CK144401	4.8	Von Willebrand factor type A
BM074400	2.4	TB2/DP1, HVA22 family	BM347856	4.5	Chorismate mutase
AI881638	1.9	Avirulence-responsive protein	AY106810.1	4.2	Ammonium transporter
CO519699	1.5	Auxin response factor 11	CF051307	3.7	Calcium ion binding / transporter
BM079080	1.5	Actin-related protein 7	CK347606		Amino acid transmembrane transporter
CF626976	2.2	Rhomboid family protein	CO531239	3.7	Lysine histidine transporter 1
L06478.1	2.2	Opaque2 heterodimerizing protein2	AF543417.1	3.5	Major facilitator superfamily antiporter
AY105892.1	1.9	Filamentation temperature sensitive H 2A	CK986177	3.1	Integral membrane protein, putative
BG874072	1.8	ERG28	BQ619130	2.7	Glycolipid transporter
CA405282	2.3	Phospholipase C	AF326505.1	2.6	Tonoplast integral protein ZmTIP4-1
CF243646	1.7	Catalytic LigB dioxygenase	CO527146	1.8	High affinity K+ transporter 5
AF236368.1	2.2	Prohibitin1	AY106981.1	1.5	Core-2/I-Branching enzyme.
CD435530	2.2	Rop6 protein	CO532040	1.5	Keule protein transporter
CA405158	1.8	Ripening-responsive protein	CF972400	1.6	Organic anion transmembrane transporter
CA398579	2.1	Phototropic-responsive NPH3	BM338860	2.1	ATMTP11 transmembrane transporter
CF630819	1.5	IDP204 protein	CK144329	2.1	Zinc transporter 5
BM333426	1.5	Embryo defective 2184	CK347176	1.9	Amino transmembrane transporter
AY103664.1	1.7	Csu1120 protein	CN844593	1.5	NHX4 (sodium proton exchanger 4)
BM267711	2.1	H1 histone			Protein destination
BM079272	2.3	Squamosa promoter protein	CF650494	18.7	Tryptophan_synthase_alpha
AY110559.1	2.1	Aspartyl protease family protein	AY562491.1	9.8	Kaurene synthase2
AY110691.1	1.5	Centromeric histone H3	AY107369.1	6.2	Terpene synthase 9
BM348909	1.7	50S ribosomal protein L28	AY518312.1	6.0	Terpene synthase 4
BM380704	1.7	Hydroxyproline-rich glycoprotein	BE519343	4.0	Carbonic anhydrase
AY108025.1	1.8	Chaperone protein	AY104099.1	3.7	Tryptophan synthase-related
AI649762	2.0	Pigment defective 277	BE519343	3.7	Carbonic anhydrase
AW066666	1.5	Pasticcino1	AF277454.1	1.7	UMP synthase
CO525680	2.0	Embryo defective 1995	CK786725	2.6	Heat shock protein
CF624620	1.8	Strubbelig-receptor familyY 6	CN845163	3.1	12-oxo-phytyldienoic acid reductase
BM080549	2.1	Histone H2B	CD446312	3.0	Hydroxymethylglutaryl-coA synthase
CF349132	1.6	Chitinase	BM381313	2.9	Carbonic anhydrase family protein
CK371654	1.5	Myosin, putative	CK986086	2.8	Phosphatidylinositol transfer protein
BG841101	2.0	Plant invertase/pectin methylsterase inhibitor	CK370362	2.8	RNA binding protein
AI649523	15.3	Pathogenesis-related protein 2	CF349207	2.7	ADP_ribosylating enzymes
CO526016	14.4	Multi antimicrobial extrusion protein	CF011949	2.6	Aldose reductase
BM332843	10.7	Pleiotropic drug resistance1	CO519348	1.8	12-oxo-phytyldienoic acid reductase
BQ577810	9.4	ADP_ribosyl Super-family	AY106843.1	2.1	Cysteine-rich PDZ-binding protein
BM266904	7.3	TGA1	CF648633	2.5	NADP-Malic enzyme 3
BM339959	7.2	Pleiotropic drug resistance12	CA400038	1.5	Ankyrin repeat family protein
AF540907.1	6.9	Benzoxazin6	AI691384	1.7	RNA helicase
AY105014.1	6.8	Multidrug Resistance Protein	AY104350.1	2.3	HSP70 (heat shock protein 70)
CO523056	1.5	Catalytic compounds	CK369778	1.8	Serine-type endopeptidase
CK368433	6.4	MATE efflux family protein	CF244284	2.3	Anthranilate synthase
BG842622	6.1	Ultrapetala1	AI649903	2.2	ATRBP47C; RNA binding
BM340753	6.0	Dirigent-like protein	CD219438	1.7	Ankyrin repeat family protein
AI770835	5.6	Ultrapetala1	CF019822	17.6	Heat shock protein
BG873885	5.4	Transparent oxygen binding	AW400289	1.7	Branched -amino-acid transaminase
CN844639	5.4	ACT7 (actin 7)	CA404702	1.5	NRPB2 DNA binding
CK827091	5.3	SYG1/Pho81/XPR1 protein	BM416967	5.0	RNA polymerase II precursor
CO522174	4.9	Dxr protein	AY108939.1	1.7	Tryptophan biosynthesis 1
CD433884	4.9	Epidermal growth factor protein	CF635417	1.5	RNA binding
CO523056	1.5	Catalytic compounds	BM888637	41.2	Ribosomal protein S28
CO518283	4.8	Pirin, putative	CO529314	2.0	ARA12; subtilase
CK827521	4.7	Ustilago maydis induced11	unknow		
BM379188	4.5	Pathogenesis-related protein v I	CK347606	124.1	no hit
BM338644	4.4	Embryo-abundant protein	AY106843.1	21.1	no hit
BG840795	4.4	Elicitor activated genes 3	BM347951	13.5	no hit
BM347268	4.2	Plastocyanin-like domain	CB351001	13.3	no hit
AY106986.1	4.1	Multidrug resistance protein 1	BM267987	10.3	no hit
BM266902	4.0	IDP642 protein	CK369303	8.5	no hit
AY107581.1	4.0	SP1L2	CF005271	8.5	no hit
L20621.1	1.9	Tassel seed2	BG266662	8.1	no hit
AF540907.1	3.7	Benzoxazin6	CK371270	7.7	no hit

AY107723.1	3.6	Postsynaptic protein-related	CK370166	7.3	no hit
AF543417.1	3.5	Major facilitator antiporter	BM331832	6.8	no hit
X57077.1	1.9	H1 histone	BM269169	6.6	no hit
BM379606	3.5	FLOR1, enzyme inhibitor	BM379900	6.6	no hit
BM497690	2.9	IDP204 protein	CD443909	5.9	no hit
CO521073	1.8	TGA1a-related gene 6	BM379959	5.9	no hit
BM337996	2.7	Pleiotropic drug resistance 12	BM340490	5.8	no hit
BG268635	2.7	Epidermal growth receptor	CN845526	5.1	no hit
BG320076	1.5	TTN7 (TITAN7)	CN844872	5.0	no hit
BM266932	1.7	Pyrrolidone-carboxylate peptidase	BM382420	4.6	no hit
AY109698.1	1.6	Asr protein	BM381442	4.5	no hit
BG841113	2.5	BES1-Interacting MYC-like protein 2	BM347807	4.3	no hit
BM074400	2.4	TB2/DP1, HVA22 family	BM339706	4.3	no hit
AI881638	1.9	Avirulence-responsive protein	BM380017	4.2	no hit
CO519699	1.5	Auxin response factor 11	CO534533	4.2	no hit
BM079080	1.5	Actin-related protein 7	CO533875	4.2	no hit
CF626976	2.2	Rhomboid family protein	CF627333	4.2	no hit
L06478.1	2.2	Opaque2 heterodimerizing protein2	CF630424	4.1	no hit
AY105892.1	1.9	Filamentation temperature sensitive H 2A	BM351693	1.6	no hit
BG874072	1.8	ERG28	BM347749	4.0	no hit
CA405282	2.3	Phospholipase C	AY106462.1	4.0	no hit
CF243646	1.7	Catalytic LigB dioxygenase	CB350940	4.0	no hit
AF236368.1	2.2	Prohibitin1	AW438127	3.9	no hit
Metabolism and energy			BM266786	3.9	no hit
CF626198	34.5	SAM dependent carboxyl methyltransferase	BM073390	3.9	no hit
BM337251	29.9	Cytochrome P450	CO533987	3.8	no hit
BM073609	16.5	S-adenosylmethionine-dependent methyltransferases	BG842260	1.7	no hit
BM340967	11.4	UDP-glucosyl transferase	BM379264	3.7	no hit
CK985455	11.0	3-hydroxybutyrate dehydrogenase	BM380017	3.7	no hit
CK145178	9.1	Short-chain dehydrogenase	AI855032	3.6	no hit
CO049296	8.3	Short-chain dehydrogenase	CD440363	3.6	no hit
BM382553	7.5	Cytochrome P450	BM339575	3.6	no hit
CK347877	7.4	3-hydroxyisobutyryl hydrolase	BM075531	3.5	no hit
BE511690	6.8	Cytochrome P450	BM337324	3.4	no hit
AI664966	6.4	Pyruvate decarboxylase1	AW037041	3.3	no hit
CA452744	6.4	Tyrosine decarboxylase	BM382490	3.2	no hit
CO520746	5.5	Aldehyde dehydrogenase 4	BM379162	3.1	no hit
BM347846	5.1	Cytochrome P450, family 72	BM073017	3.1	no hit
AI001352	5.0	Short-chain dehydrogenase	AY111467.1	3.1	no hit
BM382782	5.0	Aldehyde dehydrogenase 4	AI855032	3.0	no hit
AF318075.1	4.9	Cis-zeatin O-glucosyltransferase1	AI947611	3.0	no hit
BM380650	4.8	Uridyl-yl-transferase	AY111467.1	2.9	no hit
AY105192.1	3.9	Hydrolase	BM340516	2.9	no hit
BM379888	3.7	Glycosyl hydrolase 17 protein	CF628142	2.8	no hit
BM334978	4.5	Dihydroflavonol 4-reductase	BM266558	2.7	no hit
BM347885	4.5	Short-chain dehydrogenase	AI795776	2.7	no hit
CD219385	1.7	Ethanolamine-phosphate cytidyltransferase	AI692117	2.6	no hit
CO517957	4.2	Cytochrome P450	CA403471	1.9	no hit
BM073474	1.7	Mercaptopyruvate sulfurtransferase 1	CF045165	1.5	no hit
CF972406	4.1	ATB5-A (Cytochrome b5 A)	AI795776	2.6	no hit
AY106827.1	1.6	ATB5-A (Cytochrome b5 A)	BM267604	2.6	no hit
AY105040.1	1.7	ATPase	AI737260	2.6	no hit
CO518270	1.5	Zcyb mRNA cytochrome b561	AI711688	1.8	no hit
BQ538837	3.4	Alcohol dehydrogenase,	CA405039	1.9	no hit
BM381838	2.9	Glycerol-3-phosphate acyltransferase 5	BM331974	2.5	no hit
AI881652	2.9	Sucrose synthase	AI795776	2.5	no hit
AI834089	2.9	CTP synthase	AW681229	1.5	no hit
CO526480	2.5	Ketopantoate hydroxymethyltransferase	BQ539501	2.5	no hit
CD434065	2.5	Pyruvate decarboxylase	BM380952	2.5	no hit
AY112360.1	1.6	Galactosyltransferase protein	AI745823	1.5	no hit
AY110411.1	2.5	Farnesyl diphosphate synthase 2	AI932046	2.4	no hit
CN845512	2.4	UDP-Glucosyl transferase 85A5	BM351433	2.4	no hit

BE344878	2.4	Chloroplast biogenesis 6	CK370322	2.3	no hit
CK348022	2.4	Photosystem I protein Ycf3	BM382798	2.3	no hit
CF602448	2.4	Ubiquinol-cytochrome C reductase	BM267003	1.6	no hit
BM347782	2.4	Carbonate dehydratase	BM382014	1.6	no hit
CN844578	2.4	Beta-fructofuranosidase	AY106543.1	2.2	no hit
BM276820	1.7	Fucosyltransferase 8	AI670269	2.2	no hit
AW067310	1.7	UDP-xylose synthase 4	CO517656	2.2	no hit
CF021722	2.2	Cytochrome P450 89A2	CF638210	1.5	no hit
CK370738	2.2	Glucosamine--fructose-6-phosphate aminotransferase	AI812220	2.2	no hit
BG841590	2.2	ATP synthase subunit H protein	AI737808	2.2	no hit
CK985724	2.1	Deoxy xylulose synthase 1	AI812220	2.2	no hit
CA826941	2.6	Hydrolase	BM378143	1.9	no hit
AY106400.1	2.1	L-galactose dehydrogenase	BM381861	1.8	no hit
AF072326.1	1.8	Endo-1,3-1,4-beta-D-glucanase	BM334819	2.2	no hit
CF024226	2.6	Nudix hydrolase homolog 18	BM381183	2.2	no hit
BQ539534	1.9	FtsJ-like methyltransferase protein	BM268482	2.1	no hit
CF024229	1.7	Glycine cleavage aminomethyltransferase T	CF041561	2.1	no hit
CK370362	1.9	Trehalose-phosphatase	AI881950	1.5	no hit
AW499327	1.7	Heavy metal ATPase 5	CK827063	2.1	no hit
CF635603	2.0	Malate dehydrogenase	AY109834.1	1.6	no hit
BM382713	1.6	Sulfurtransferase protein 16	BM267525	2.1	no hit
CK371645	1.5	Phosphatase associated protein	BM382475	2.1	no hit
AI065453	2.6	Glycosyl hydrolase 1 protein	CF919907	1.5	no hit
CK347857	2.2	Hydrolase	CN845258	1.5	no hit
CD974829	2.1	Glycosyl hydrolase 17 protein	BM269293	1.8	no hit
BM382456	6.4	Dienelactone hydrolase protein	CA400762	2.1	no hit
AY112360.1	2.0	Galactosyltransferase protein	AW225214	2.0	no hit
BM351067	1.6	Alcohol dehydrogenase2	AY106053.1	2.0	no hit
X02400.1	2.0	Sucrose synthase	BM335317	1.6	no hit
CO531390	1.5	Pyrophosphatase	AI666128	1.8	no hit
Stress proteins					
CF624419	1.6	Universal stress proteinprotein	AY104651.1	2.0	no hit
AF019297.1	2.7	Starch synthase zSTSII-2	AW037041	2.0	no hit
BM347871	2.5	Fatty acid condensing enzyme	BM382537	1.5	no hit
CF602448	2.4	Ubiquinol-cytochrome C reductase	CK826941	1.8	no hit
BM337336	2.4	Pollen-pistil incompatibility 2	AW076355	2.0	no hit
BG268724	1.8	Heavy-metal-associated protein	CD998185	1.9	no hit
CA400524	2.3	Mitotic checkpoint protein	BM347410	2.0	no hit
AY271262.1	1.8	NADP malic enzyme3	AY107583.1	1.5	no hit
BM381412	1.8	Bromo adjacent domain	CO526303	2.0	no hit
BM382553	1.8	Abscisic acid-induced protein			
BM080498	1.8	PLAC8 family			
CN844960	2.1	BAR domain			
CD436900	1.5	Cytokinesis defective 1			
CN844467	4.6	Fatty acid desaturase8			
AY104425.1	2.0	Gibberellin 2-beta-dioxygenase			