

**Supplementary Table 1** List of differentially expressed genes in tolerant potato cultivar Innovator, inoculated with *Spongospora subterranea* f. sp. *subterranea*.

Gene ID	G-Fold	log2fdc	Gene name	Fold change <sup>a</sup>
PGSC0003DMG400029643	8.2	10.9	Nodule inception protein	295.0
PGSC0003DMG400034296	7.2	9.9	Gene of unknown function	145.6
PGSC0003DMG400006629	6.8	9.6	Zinc finger protein	112.7
PGSC0003DMG400029207	6.0	7.3	WRKY transcription factor 6	75.0
PGSC0003DMG400016522	6.2	8.9	Poly(A) polymerase	71.9
PGSC0003DMG401022140	6.0	8.7	Mitochondrial import receptor subunit TOM20	61.9
PGSC0003DMG400022663	5.8	7.3	PWWP	56.1
PGSC0003DMG402007388	5.7	7.5	MRNA, 1346 bp sequence	51.1
PGSC0003DMG400025708	5.7	8.4	Gene of unknown function	50.6
PGSC0003DMG400004168	5.6	6.4	Internal rotenone-insensitive NADH dehydrogenase	47.6
PGSC0003DMG400006288	3.4	3.8	Tospovirus resistance protein B	50.4
PGSC0003DMG400006627	5.6	7.1	Zinc finger protein	47.5
PGSC0003DMG400018095	5.4	8.2	Conserved gene of unknown function	42.6
PGSC0003DMG400001049	5.3	6.0	Gene of unknown function	39.6
PGSC0003DMG400019330	5.3	6.7	Conserved gene of unknown function	39.0
PGSC0003DMG400018575	5.3	6.9	Homoserine dehydrogenase family protein	38.1
PGSC0003DMG400046798	5.1	5.4	Ubiquitin-protein ligase	35.2
PGSC0003DMG400002582	5.1	5.5	Heterogeneous nuclear ribonucleoprotein A3	34.0
PGSC0003DMG400027146	5.0	7.7	Chalcone synthase B	31.8
PGSC0003DMG401021841	4.9	5.3		29.5
PGSC0003DMG400025000	4.8	5.6	Ccd1	28.1
PGSC0003DMG400035539	4.8	5.6	Sugar transporter	27.8
PGSC0003DMG400033354	4.8	5.1	Sn-1 protein	27.5
PGSC0003DMG400001679	4.7	5.4	Gene of unknown function	26.8
PGSC0003DMG400029822	4.7	5.2		26.2
PGSC0003DMG400023922	4.7	6.5	Cytoplasmic small heat shock protein class I	26.2
PGSC0003DMG400020966	4.6	7.4	Gene of unknown function	24.6
PGSC0003DMG400024980	4.6	5.4	Polyprotein	24.6
PGSC0003DMG400000981	4.6	6.2	Conserved gene of unknown function	24.4
PGSC0003DMG401018696	4.6	5.8	Disease resistance protein R3a	24.4
PGSC0003DMG402002685	4.6	4.9	Conserved gene of unknown function	24.2
PGSC0003DMG400015929	4.6	7.3	RNase H family protein	24.1
PGSC0003DMG400038651	4.6	5.8	Ubiquitin-protein ligase	23.7
PGSC0003DMG400009559	4.5	7.2	Specific tissue protein 1	22.5
PGSC0003DMG400012653	4.5	5.0	LOB domain-containing protein 41	22.2
PGSC0003DMG400034091	4.4	6.1	Gene of unknown function	21.7
PGSC0003DMG400024980	4.6	5.4	Polyprotein	24.6
PGSC0003DMG400004599	4.5	6.1	Gene of unknown function	22.2
PGSC0003DMG400010320	4.4	5.5	11S globulin isoform 4	21.8
PGSC0003DMG400002414	4.4	4.7	Sn-2 protein	21.7
PGSC0003DMG400025842	4.4	5.8	Anthranilate N-hydroxycinnamoyl/benzoyltransferase	21.0

PGSC0003DMG400003667	4.4	5.8	Gene of unknown function	20.9
PGSC0003DMG400003576	4.4	5.4	Glycosyl hydrolase family 38 protein	20.7
PGSC0003DMG400013210	4.4	6.0	Proteasome subunit beta type	20.7
PGSC0003DMG400006389	4.4	5.7	Conserved gene of unknown function	20.6
PGSC0003DMG400046823	4.3	7.1	Gene of unknown function	20.2
PGSC0003DMG400007872	4.2	52	NBS-LRR protein	19.3
PGSC0003DMG400001049	4.3	4.9	Gene of unknown function	19.1
PGSC0003DMG400019106	4.2	4.7	Type II DNA topoisomerase VI subunit B	18.2
PGSC0003DMG402002685	4.1	4.5	Conserved gene of unknown function	17.7
PGSC0003DMG400000981	4.1	5.7	Conserved gene of unknown function	17.1
PGSC0003DMG400007872	4.0	6.8	NBS-LRR protein	16.5
PGSC0003DMG400020028	4.0	5.4	Specific tissue protein 2	15.8
PGSC0003DMG400006248	3.9	5.7	Gene of unknown function	14.9
PGSC0003DMG400025099	3.9	5.6	PRF	14.8
PGSC0003DMG400043752	3.9	6.6	Root-knot nematode resistance protein	14.4
PGSC0003DMG400023237	3.8	5.5	Conserved gene of unknown function	14.4
PGSC0003DMG400021822	3.8	4.1	Multidrug resistance protein 1. 2	14.3
PGSC0003DMG400024964	3.8	5.2	N-acetyltransferase	14.3
PGSC0003DMG400030587	3.8	5.4	Nonspecific lipid-transfer protein	14.2
PGSC0003DMG400035146	3.8	4.8	ALY protein	14.2
PGSC0003DMG400003099	3.8	6.6	Gene of unknown function	14.1
PGSC0003DMG400001679	3.8	4.5	Gene of unknown function	13.8
PGSC0003DMG400016023	3.7	6.5	Gene of unknown function	13.3
PGSC0003DMG400005974	3.7	5.2	Tropinone reductase II	13.1
PGSC0003DMG400022069	3.7	6.5	Gene of unknown function	12.9
PGSC0003DMG400015601	3.7	5.6	UDP-glucose:glucosyltransferase	12.9
PGSC0003DMG400030198	3.7	5.3	AT.I.24-7 protein	12.8
PGSC0003DMG400047102	3.7	5.2	Gene of unknown function	12.8
PGSC0003DMG400004168	3.7	4.6	Internal rotenone-insensitive NADH dehydrogenase	12.8
PGSC0003DMG400028401	3.7	5.2	Gene of unknown function	12.6
PGSC0003DMG400007005	3.6	5.0	Conserved gene of unknown function	11.9
PGSC0003DMG400029242	3.5	4.1	Oligopeptide transporter	11.7
PGSC0003DMG400017997	3.5	4.8	Cytochrome P450	11.3
PGSC0003DMG400013929	3.5	6.2	Cytochrome P450 92B1	11.0
PGSC0003DMG400001154	3.4	6.2	Gene of unknown function	10.8
PGSC0003DMG400012538	3.4	6.2	Conserved gene of unknown function	10.8
PGSC0003DMG400015156	3.4	5.0	Conserved gene of unknown function	10.8
PGSC0003DMG400030274	3.4	3.9	ATP binding protein	10.7
PGSC0003DMG400028710	3.4	6.2	Ammonium transporter 1 member 2	10.7
PGSC0003DMG401030252	3.4	4.2	Conserved gene of unknown function	10.4
PGSC0003DMG400004204	3.4	6.1		10.2
PGSC0003DMG400040321	3.3	4.9	Fatty oxidation complex alpha subunit	9.7
PGSC0003DMG400011406	3.2	4.5	Glutaredoxin	9.5

PGSC0003DMG400014056	3.2	4.5	Gene of unknown function	9.0
PGSC0003DMG400007682	3.2	4.0	SRF-type transcription factor family protein	8.9
PGSC0003DMG400029490	3.1	4.6	Glucosyltransferase	8.9
PGSC0003DMG400022951	3.1	5.9	Gene of unknown function	8.8
PGSC0003DMG400020999	3.1	3.8	Lipoxygenase	5.8
PGSC0003DMG400011690	3.1	3.8	Lysine/histidine transporter	8.8
PGSC0003DMG400001135	3.1	4.8	Conserved gene of unknown function	8.7
PGSC0003DMG400028331	3.1	4.7	Zeatin O-glucosyltransferase	8.7
PGSC0003DMG400031031	3.1	3.7	Alpha-l-fucosidase	8.6
PGSC0003DMG400006939	3.1	3.3	Hypersensitive-induced response protein	8.6
PGSC0003DMG400017096	3.1	3.2	Ripening regulated protein	8.5
PGSC0003DMG400025192	3.1	3.3	Dehydration-responsive protein RD22	8.3
PGSC0003DMG400032276	3.0	4.5	Conserved gene of unknown function	8.3
PGSC0003DMG400003609	3.0	4.6	Gene of unknown function	8.1
PGSC0003DMG401018223	3.0	4.1	Ferric-chelate reductase	8.1
PGSC0003DMG402008784	3.0	3.8	Conserved gene of unknown function	8.0
PGSC0003DMG400023040	3.0	3.6	Conserved gene of unknown function	8.0
PGSC0003DMG400042469	3.0	3.9	Ulp1 protease family. C-terminal catalytic domain containing protein	8.0
PGSC0003DMG400021725	3.0	3.8	Transcription factor	7.8
PGSC0003DMG400011016	3.0	3.7	Soul heme-binding family protein	7.8
PGSC0003DMG400026650	3.0	4.2	Gene of unknown function	7.8
PGSC0003DMG401015537	3.0	3.4	Ptpla domain protein	7.8
PGSC0003DMG400018170	2.9	5.8	Conserved gene of unknown function	7.7
PGSC0003DMG400007672	2.9	4.4	Gene of unknown function	7.7
PGSC0003DMG400009915	2.9	5.7	Zinc finger protein	7.6
PGSC0003DMG400033570	2.9	3.2	MADS transcriptional factor	7.5
PGSC0003DMG401008784	2.9	4.2	Conserved gene of unknown function	7.5
PGSC0003DMG400034395	2.9	4.3	Gene of unknown function	7.3
PGSC0003DMG400012089	2.9	5.7	Type I serine protease inhibitor	7.2
PGSC0003DMG401002685	2.9	4.1	Conserved gene of unknown function	7.2
PGSC0003DMG400028480	2.8	5.6	Delay of germination 1	7.1
PGSC0003DMG400009388	2.8	5.6	Transcription factor RF2a	7.1
PGSC0003DMG400005091	2.8	4.3	40S ribosomal protein S2	7.1
PGSC0003DMG400014603	2.8	3.3	Gene of unknown function	7.0
PGSC0003DMG400029492	2.8	4.5	Glucosyltransferase	7.0
PGSC0003DMG400005299	2.8	4.5	Gene of unknown function	7.0
PGSC0003DMG400008344	2.8	4.1	Glutamate dehydrogenase A	7.0
PGSC0003DMG400019770	2.8	4.6	Gene of unknown function	6.9
PGSC0003DMG400021823	2.8	4.1	Gene of unknown function	6.9
PGSC0003DMG403008349	2.8	3.5	Cc-nbs-lrr resistance protein	6.9
PGSC0003DMG400021056	2.8	4.0	Conserved gene of unknown function	6.8
PGSC0003DMG400003360	2.8	4.4	Copper ion binding protein	6.8

PGSC0003DMG400014246	2.7	4.1	BHLH domain class transcription factor	6.7
PGSC0003DMG400034091	2.7	4.4	Gene of unknown function	6.7
PGSC0003DMG400020205	2.7	3.0	Conserved gene of unknown function	6.6
PGSC0003DMG400009359	2.7	3.4	Restin	6.6
PGSC0003DMG400032162	2.7	4.2	Short chain alcohol dehydrogenase	6.6
PGSC0003DMG400004474	2.7	3.9	Multidrug resistance pump	6.5
PGSC0003DMG400003802	2.7	4.4	Isoform 2 of FBD-associated F-box protein	6.4
PGSC0003DMG400026554	2.7	4.4	Conserved gene of unknown function	6.4
PGSC0003DMG400017637	2.7	3.0	Nitrate transporter	6.4
PGSC0003DMG400008043	2.7	3.5	Gene of unknown function	6.4
PGSC0003DMG400016967	2.7	4.4	Conserved gene of unknown function	6.3
PGSC0003DMG400024364	2.7	4.0	Rpi-vnt1	6.3
PGSC0003DMG400015354	2.7	4.5	Conserved gene of unknown function	6.3
PGSC0003DMG400014576	2.7	5.5	Receptor kinase	6.3
PGSC0003DMG400027031	2.6	4.0	Hydrogen peroxide-induced 1	6.2
PGSC0003DMG400016971	2.6	5.4	Conserved gene of unknown function	6.1
PGSC0003DMG400000919	2.6	3.1	Nodulin family protein	6.0
PGSC0003DMG400029461	2.6	5.4	Conserved gene of unknown function	6.0
PGSC0003DMG400007645	2.6	5.4	Gene of unknown function	6.0
PGSC0003DMG400016599	2.6	3.0	Tospovirus resistance protein C	5.9
PGSC0003DMG400021688	2.6	4.3	Gene of unknown function	5.9
PGSC0003DMG400023406	2.5	3.2	Light-dependent short hypocotyls 1	5.9
PGSC0003DMG400003444	2.5	4.1	Leucine-rich repeat resistance protein	5.8
PGSC0003DMG400011365	2.5	4.1	Nucleic acid binding protein	5.8
PGSC0003DMG400012785	2.5	5.4	Conserved gene of unknown function	5.8
PGSC0003DMG400008982	2.5	5.4	Basic 7S globulin 2 small subunit FAR1; Polynucleotidyl transferase.	5.8
PGSC0003DMG400010984	2.5	5.4	Ribonuclease H fold	5.8
PGSC0003DMG400011953	2.5	3.2	Non-specific lipid-transfer protein 2	5.8
PGSC0003DMG400032121	2.5	4.0	Short chain alcohol dehydrogenase	5.8
PGSC0003DMG402004193	2.5	4.1	Gene of unknown function	5.8
PGSC0003DMG400021828	2.5	4.2	Carbohydrate transporter	5.8
PGSC0003DMG402012883	2.5	3.0	Conserved gene of unknown function	5.7
PGSC0003DMG400025939	2.5	5.3	Serine-threonine protein kinase, plant-type	5.7
PGSC0003DMG400011250	2.5	3.2	MYB transcription factor	5.7
PGSC0003DMG400028102	2.5	3.6	Nodulin	5.7
PGSC0003DMG400023937	2.5	2.8	Pentatricopeptide repeat-containing protein	5.6
PGSC0003DMG400025105	2.5	2.9	Carboxylesterase	5.6
PGSC0003DMG400029109	2.5	2.7	Cytochrome P450	5.6
PGSC0003DMG400003667	2.5	4.0	Gene of unknown function	5.5
PGSC0003DMG400014983	2.5	5.3	RNase H family protein	5.5
PGSC0003DMG400000620	2.5	3.0	Stellacyanin CASLP1	5.5
PGSC0003DMG400030905	2.4	3.7	Equilibrative nucleoside transporter	5.5
PGSC0003DMG401006676	2.4	4.1	Gene of unknown function	5.4
PGSC0003DMG400016793	2.4	2.6	Histone H3.3	5.4

PGSC0003DMG400014561	2.4	3.1	Isopentenyltransferase	5.4
PGSC0003DMG400016866	2.4	5.3	Gene of unknown function	5.4
PGSC0003DMG400014664	2.4	3.1	Sugar transporter	5.4
PGSC0003DMG400042965	2.4	3.8	Density-regulated protein	5.4
PGSC0003DMG400013412	2.4	3.9	Chlorophyll a-b binding protein 3C	5.3
PGSC0003DMG400019531	2.4	2.7	EMB514	5.3
PGSC0003DMG400025543	2.4	4.1	Gene of unknown function Xyloglucan endotransglucosylase-hydrolase	5.3
PGSC0003DMG400000408	2.4	2.5	XTH6	5.3
PGSC0003DMG400025776	2.4	3.6	Conserved gene of unknown function	5.1
PGSC0003DMG400010923	2.4	3.1	Gene of unknown function	5.1
PGSC0003DMG400008850	2.4	2.6	Short-chain dehydrogenase	5.1
PGSC0003DMG400027819	2.3	3.6	Aquaporin NIP1.1	5.1
PGSC0003DMG400004900	2.3	3.0	Avr9/Cf-9 rapidly elicited protein 132	5.1
PGSC0003DMG400015351	2.3	3.7	Conserved gene of unknown function	5.1
PGSC0003DMG400007563	2.3	5.2	TA4 protein	5.1
PGSC0003DMG400004029	2.3	5.2	Anthranilate N-benzoyltransferase protein	5.1
PGSC0003DMG400010236	2.3	2.7	Cysteine protease Cp5	5.1
PGSC0003DMG400015109	2.3	3.9	Actin binding protein	5.0
PGSC0003DMG400030925	2.3	2.6	Conserved gene of unknown function	5.0
PGSC0003DMG400005892	2.3	2.7	Transcription factor	4.9
PGSC0003DMG400027483	2.3	5.1	Conserved gene of unknown function	4.9
PGSC0003DMG401013923	2.3	3.6	Conserved gene of unknown function	4.9
PGSC0003DMG400000520	2.3	3.6	Conserved gene of unknown function	4.8
PGSC0003DMG400023004	2.3	3.7	Leucine rich repeat receptor kinase	4.8
PGSC0003DMG400029472	2.3	3.4	ADP-ribosylation factor. arf	4.8
PGSC0003DMG400018015	2.2	4.1	Multidrug resistance pump	4.7
PGSC0003DMG400003499	2.2	4.1	30S ribosomal protein S3. chloroplastic	4.7
PGSC0003DMG400029799	2.2	4.1	Gene of unknown function	4.7
PGSC0003DMG400030486	2.2	2.8	Conserved gene of unknown function	4.7
PGSC0003DMG400017398	2.2	4.0	Snf1-kinase beta subunit. plants	4.7
PGSC0003DMG400001348	2.2	3.6	Mitochondrial saccharopine dehydrogenase	4.7
PGSC0003DMG401022285	2.2	3.4	Conserved gene of unknown function	4.7
PGSC0003DMG400009555	2.2	2.3	Conserved gene of unknown function	4.7
PGSC0003DMG400016764	2.2	2.6	Conserved gene of unknown function	4.6
PGSC0003DMG400008934	2.2	2.3	Spliceosome associated protein	4.6
PGSC0003DMG400023502	2.2	2.3	DAG protein. chloroplast	4.6
PGSC0003DMG400017897	2.2	3.9	Gene of unknown function	4.6
PGSC0003DMG401015792	2.2	2.5	Short-chain dehydrogenase	4.6
PGSC0003DMG400027814	2.2	4.1	Gene of unknown function	4.6
PGSC0003DMG400031236	2.2	2.8	Non-specific lipid-transfer protein	4.6
PGSC0003DMG400015650	2.2	3.0	Taxadien-5-alpha-ol O-acetyltransferase	4.6
PGSC0003DMG400031476	2.2	3.0	Bacterial spot disease resistance protein 4	4.5
PGSC0003DMG400018483	2.2	3.0	Binding protein	4.5

PGSC0003DMG400012805	2.2	3.1	Gene of unknown function	4.5
PGSC0003DMG401009742	2.1	5.0	RNase H family protein	4.4
PGSC0003DMG400006448	2.1	5.0	Caffeoyl-CoA O-methyltransferase	4.4
PGSC0003DMG400017614	2.1	5.0	Gene of unknown function	4.4
PGSC0003DMG400016949	2.1	5.0	Gene of unknown function	4.4
PGSC0003DMG400028021	2.1	2.6	Short chain alcohol dehydrogenase	4.4
PGSC0003DMG400015275	2.1	3.6	Aquaporin. MIP family. TIP subfamily	4.4
PGSC0003DMG400020588	2.1	3.4	Rpi-vnt1	4.4
PGSC0003DMG400018016	2.1	3.8	Multidrug resistance pump	4.4
PGSC0003DMG400008444	2.1	3.5	Induced stolon tip protein	4.3
PGSC0003DMG400033050	2.1	2.3	Conserved gene of unknown function	4.3
PGSC0003DMG400009822	2.1	3.8	Cytochrome P450	4.3
PGSC0003DMG400028886	2.1	3.8	Gene of unknown function	4.3
PGSC0003DMG401005300	2.1	5.0	ATP-dependent Clp protease proteolytic subunit	4.3
PGSC0003DMG400001181	2.1	2.2	ACI19	4.2
PGSC0003DMG400009866	2.1	2.4	Gene of unknown function	4.2
PGSC0003DMG400014457	2.1	3.8	Glucan endo-1.3-beta-glucosidase	4.2
PGSC0003DMG400014757	2.1	2.6	LOB domain protein 1	4.1
PGSC0003DMG400008947	2.0	4.9	Desacetoxyvindoline 4-hydroxylase	4.1
PGSC0003DMG400001086	2.0	3.3	Cell differentiation protein rcd1	4.1
PGSC0003DMG400019689	2.0	2.8	Gene of unknown function	4.1
PGSC0003DMG400025547	2.0	3.7	Late blight resistance protein	4.1
PGSC0003DMG400029489	2.0	3.7	UDP-glucosyltransferase	4.1
PGSC0003DMG400019671	2.0	2.5	Glutaredoxin	4.1
PGSC0003DMG400002309	2.0	2.2	Xyloglucan endo-transglycosylase	4.1
PGSC0003DMG400031877	2.0	2.6	Metalloprotease inhibitor	4.1
PGSC0003DMG400007464	2.0	2.3	Gene of unknown function	4.1
PGSC0003DMG400025024	2.0	2.4	COL domain class transcription factor OB-fold nucleic acid binding domain containing protein	4.1
PGSC0003DMG400045025	2.0	3.6		4.1
PGSC0003DMG400027965	2.0	2.5	ORF64c	4.1
PGSC0003DMG400009941	2.0	2.3	Receptor protein kinase CLAVATA1	4.1
PGSC0003DMG400029491	2.0	3.8	Zeatin O-xylosyltransferase	4.1
PGSC0003DMG400029014	2.0	3.8	Transposon protein. Mutator sub-class	4.1
PGSC0003DMG400025591	2.0	3.8	Gene of unknown function	4.1
PGSC0003DMG400007244	2.0	2.7	GDSL-lipase 1	4.0
PGSC0003DMG400013106	2.0	3.2	DNA binding protein	4.0
PGSC0003DMG402002919	2.0	3.3	Gene of unknown function	4.0
PGSC0003DMG400001823	2.0	2.7	Ent-kaurenoic acid oxidase	4.0
PGSC0003DMG402010218	2.0	2.5	Phospholipase A1	4.0
PGSC0003DMG400001258	2.0	2.6	Conserved gene of unknown function	4.0
PGSC0003DMG400002989	2.0	2.6	Strictosidine synthase	4.0
PGSC0003DMG402019042	2.0	2.2	Cytochrome P450 like_TBP	4.0
PGSC0003DMG400026933	2.0	2.9	Hydrogen peroxide-induced 1 Mechanosensitive ion channel domain- containing protein	4.0
PGSC0003DMG400029879	2.0	3.3		4.0
PGSC0003DMG400018014	2.0	4.9	Anthocyanin acyltransferase	4.0

PGSC0003DMG40004499	2.0	4.9	Homeobox protein	4.0
PGSC0003DMG400021222	2.0	4.9	Gene of unknown function	4.0
PGSC0003DMG400033694	2.0	4.9	Zinc finger homeodomain protein SZF-HD1	4.0
PGSC0003DMG400030106	2.0	4.9	Glutaredoxin	4.0
PGSC0003DMG400023350	2.0	4.9	Conserved gene of unknown function	4.0
PGSC0003DMG400009559	2.0	4.9	Specific tissue protein 1	4.0
PGSC0003DMG400000420	2.0	2.4	Histone H2B.2	3.9
PGSC0003DMG400007708	2.0	2.0	Cyclin dependent kinase inhibitor	3.9
PGSC0003DMG400014939	2.0	2.4	Urease accessory protein D	3.9
PGSC0003DMG400023348	2.0	3.3	Conserved gene of unknown function	3.9
PGSC0003DMG400005335	1.9	2.3		3.8
PGSC0003DMG400018575	1.9	3.7	Homoserine dehydrogenase family protein	3.8
PGSC0003DMG400007388	1.9	2.2	MRNA.1346 bp sequence	3.8
PGSC0003DMG400018124	1.9	2.1	Gene of unknown function	3.8
PGSC0003DMG400024113	1.9	2.4	Gene of unknown function	3.8
PGSC0003DMG400014617	1.9	2.7	Resveratrol/hydroxycinnamic acid O-glucosyltransferase	3.8
PGSC0003DMG400031059	1.9	4.8	Conserved gene of unknown function	3.8
PGSC0003DMG400004873	1.9	4.8	Resistance protein PSH-RGH6	3.8
PGSC0003DMG400012398	1.9	4.8	NADPH oxidoreductase	3.8
PGSC0003DMG400016975	1.9	4.8	RNase H family protein	3.8
PGSC0003DMG400016544	1.9	4.8	2-oxoglutarate-dependent dioxygenase	3.8
PGSC0003DMG400013735	1.9	4.8	Gene of unknown function	3.8
PGSC0003DMG400012860	1.9	3.8	Extracellular ligand-gated ion channel	3.8
PGSC0003DMG400005162	1.9	3.8	Conserved gene of unknown function	3.8
PGSC0003DMG400032094	1.9	3.3	Inosine-uridine preferring nucleoside hydrolase	3.8
PGSC0003DMG400013931	1.9	3.3	Gene of unknown function	3.8
PGSC0003DMG400016906	1.9	2.3	BZIP transcription factor BZI-2	3.8
PGSC0003DMG400018123	1.9	2.2	Gene of unknown function	3.7
PGSC0003DMG400025170	1.9	3.6	Gene of unknown function	3.7
PGSC0003DMG400013774	1.9	3.6	Gene of unknown function	3.7
PGSC0003DMG400030389	1.9	2.4	Myb family transcription factor	3.7
PGSC0003DMG401002122	1.9	2.2	Multidrug resistance pump	3.7
PGSC0003DMG400042482	1.9	3.4	Gene of unknown function	3.7
PGSC0003DMG400003759	1.9	2.2	Auxin-induced protein 5NG4	3.7
PGSC0003DMG400033116	1.9	2.7	Adenylate isopentenyltransferase	3.7
PGSC0003DMG400027417	1.9	2.4	F-box/kelch-repeat protein	3.7
PGSC0003DMG400004014	1.9	4.8	Nucleoporin 98	3.6
PGSC0003DMG400028476	1.9	4.8	Nucleobase ascorbate transporter	3.6
PGSC0003DMG400021437	1.9	4.8	Gene of unknown function	3.6
PGSC0003DMG400012852	1.9	2.5	Cellulose synthase CslG	3.6
PGSC0003DMG402030099	1.9	2.5	Prosystemin	3.6
PGSC0003DMG400022176	1.8	3.2	Conserved gene of unknown function	3.6
PGSC0003DMG400020064	1.8	2.0	Histone H1	3.6
PGSC0003DMG400024128	1.8	2.3	Signal recognition particle subunit srp72	3.5
PGSC0003DMG400028231	1.8	3.4	Conserved gene of unknown function	3.5

PGSC0003DMG400006058	1.8	2.5	Conserved gene of unknown function	3.5
PGSC0003DMG400022398	1.8	2.4	ATP binding protein	3.5
PGSC0003DMG400008854	1.8	2.4	Nodulin	3.5
PGSC0003DMG400013460	1.8	2.5	Chlorophyll a-b binding protein 3C. chloroplatic	3.5
PGSC0003DMG400010044	1.8	4.7	GNS1/SUR4 membrane family protein	3.5
PGSC0003DMG400011637	1.8	4.7	Conserved gene of unknown function	3.5
PGSC0003DMG400015930	1.8	4.7	Gene of unknown function	3.5
PGSC0003DMG400020880	1.8	4.7		3.5
PGSC0003DMG400028518	1.8	3.6	2-oxoglutarate-dependent dioxygenase	3.5
PGSC0003DMG400000917	1.8	2.7	Phosphatidylinositol-4-phosphate 5-kinase	3.5
PGSC0003DMG401016989	1.8	2.3	LescPth4	3.4
PGSC0003DMG400028535	1.8	2.4	Conserved gene of unknown function	3.4
PGSC0003DMG400004934	1.8	3.1	UPA25	3.4
PGSC0003DMG400018660	1.8	2.8	Dimethylaniline monooxygenase	3.4
PGSC0003DMG400012252	1.8	2.2	Trehalase	3.4
PGSC0003DMG400004233	1.8	2.1	Nodulin protein	3.4
PGSC0003DMG400014150	1.8	3.4	Kinase family protein	3.4
PGSC0003DMG400001186	1.8	2.3	Pentatricopeptide repeat-containing protein	3.4
PGSC0003DMG400022574	1.8	3.3	ATP binding protein	3.4
PGSC0003DMG400023126	1.8	3.3	Conserved gene of unknown function	3.4
PGSC0003DMG400004329	1.8	2.8	Nitrate transporter	3.4
PGSC0003DMG402006288	1.7	2.1	Tospovirus resistance protein B	3.3
PGSC0003DMG400003837	1.7	1.8	Speckle-type POZ protein	3.3
PGSC0003DMG400006098	1.7	3.1	RTM1 protein	3.3
PGSC0003DMG400011350	1.7	3.2	OrfB protein	3.3
PGSC0003DMG400004086	1.7	2.5	Heat shock	3.3
PGSC0003DMG400002899	1.7	1.8	AP2/ERF domain-containing transcription factor	3.3
PGSC0003DMG400018712	1.7	1.9	Carbonyl reductase	3.3
PGSC0003DMG400007161	1.7	2.5	T-complex protein 1 beta subunit (TCP-1-beta)	3.3
PGSC0003DMG400016714	1.7	2.5	1-aminocyclopropane-1-carboxylate oxidase	3.3
PGSC0003DMG400026612	1.7	3.5	Conserved gene of unknown function	3.3
PGSC0003DMG400007796	1.7	3.2	DNA-directed RNA polymerase II largest subunit	3.3
PGSC0003DMG400010629	1.7	3.1	Gene of unknown function	3.3
PGSC0003DMG400017334	1.7	1.9	Heat shock factor protein	3.3
PGSC0003DMG400004036	1.7	2.3	ATP binding protein	3.2
PGSC0003DMG400018125	1.7	1.9	Gene of unknown function	3.2
PGSC0003DMG400009507	1.7	1.9	Metal ion binding protein	3.2
PGSC0003DMG400025858	1.7	2.3	C2H2L domain class transcription factor	3.2
PGSC0003DMG401026486	1.7	2.7	Conserved gene of unknown function	3.2
PGSC0003DMG400016628	1.7	2.7	Tospovirus resistance protein C	3.2
PGSC0003DMG400029456	1.7	4.6	Hero resistance protein	3.2
PGSC0003DMG400011520	1.7	4.6	Rpi protein	3.2
PGSC0003DMG401030822	1.7	4.6	Glycosyltransferase	3.2
PGSC0003DMG400005372	1.7	4.6	Photosystem I P700 chlorophyll a apoprotein A1	3.2



PGSC0003DMG400010604	1.7	3.6	DEXH helicase-like repair protein	3.2
PGSC0003DMG400040556	1.7	3.6	Gene of unknown function	3.2
PGSC0003DMG400029374	1.7	3.6	Conserved gene of unknown function	3.2
PGSC0003DMG400020556	1.7	4.6	PPR1 protein	3.2
PGSC0003DMG400011170	1.7	4.6		3.2
PGSC0003DMG400000996	1.7	2.4	Receptor-kinase	3.2
PGSC0003DMG400009906	1.7	1.8	Catalase isozyme 3	3.2
PGSC0003DMG400028332	1.7	2.1	Conserved gene of unknown function	3.2
PGSC0003DMG400023125	1.7	1.9	Conserved gene of unknown function	3.2
PGSC0003DMG400002259	1.7	3.0	Zinc ion binding	3.2
PGSC0003DMG400014936	1.7	2.4	Zinc/iron transporter	3.2
PGSC0003DMG400019575	1.7	2.4	Ran GTPase binding protein	3.2
PGSC0003DMG400016410	1.7	2.4	Transposase	3.2
PGSC0003DMG400005365	1.7	2.3	Formin 1	3.2
PGSC0003DMG400024630	1.7	2.1	Cytochrome P450	3.2
PGSC0003DMG400020122	1.7	1.8	Circadian clock coupling factor ZGT	3.2
PGSC0003DMG400007760	1.7	2.3	Bet v I allergen family protein	3.1
PGSC0003DMG400026176	1.7	2.2	MYB domain class transcription factor	3.1
PGSC0003DMG400012083	1.7	3.0	Receptor kinase	3.1
PGSC0003DMG400014740	1.7	3.0	Serine/threonine-protein kinase bri1	3.1
PGSC0003DMG400012467	1.7	3.2	Conserved gene of unknown function	3.1
PGSC0003DMG400013120	1.7	2.4	Conserved gene of unknown function	3.1
PGSC0003DMG400022094	1.6	2.0	Major latex	3.1
PGSC0003DMG400025472	1.6	2.2	ATP binding protein	3.1
PGSC0003DMG400019182	1.6	2.2	Auxin influx transport protein	3.1
PGSC0003DMG400019970	1.6	3.1	RGC1	3.1
PGSC0003DMG401032203	1.6	2.1	Extensin	3.1
PGSC0003DMG400028873	1.6	2.3	TNP2	3.1
PGSC0003DMG400007016	1.6	2.1	Cinnamoyl-CoA reductase	3.1
PGSC0003DMG400034309	1.6	3.3	Non-specific lipid-transfer protein	3.1
PGSC0003DMG401023186	1.6	2.2	Conserved gene of unknown function	3.1
PGSC0003DMG400005269	1.6	1.9	Glucose-6-phosphate/phosphate translocator 2	3.1
PGSC0003DMG400002149	1.6	1.7	Conserved gene of unknown function	3.1
PGSC0003DMG400027199	1.6	2.1	Gene of unknown function	3.1
PGSC0003DMG400025857	1.6	2.2	Auxin and ethylene responsive GH3	3.1
PGSC0003DMG400031742	1.6	2.2	UPA16	3.1
PGSC0003DMG400014257	1.6	1.9	Acireductone dioxygenase	3.1
PGSC0003DMG400009479	1.6	3.2	Conserved gene of unknown function	3.1
PGSC0003DMG400043599	1.6	1.9	CHP-rich zinc finger protein	3.1
PGSC0003DMG400018472	1.6	2.3	Transcription factor Zinc finger CCCH domain-containing protein	3.1
PGSC0003DMG400016400	1.6	1.7	32	3.0
PGSC0003DMG401004193	1.6	3.0	Zinc knuckle family protein	3.0
PGSC0003DMG400035598	1.6	3.4	Conserved gene of unknown function	3.0
PGSC0003DMG400005563	1.6	3.4	Acyltransferase	3.0
PGSC0003DMG400020968	1.6	3.4	Flavonol 4'-sulfotransferase	3.0

PGSC0003DMG400018171	1.6	2.1	Receptor protein kinase	3.0
PGSC0003DMG400035174	1.6	4.5	Gene of unknown function	3.0
PGSC0003DMG400008948	1.6	3.5	Cullin 1B	3.0
PGSC0003DMG400015727	1.6	4.5	Gene of unknown function	3.0
PGSC0003DMG400004203	1.6	4.5	Gene of unknown function	3.0
PGSC0003DMG400006039	1.6	3.3	F-box family protein	3.0
PGSC0003DMG400033126	1.6	2.2	Aspartate kinase	3.0
PGSC0003DMG400016941	1.6	1.9	Conserved gene of unknown function	3.0
PGSC0003DMG400002581	1.6	2.0	Succinic semialdehyde reductase isofom2	3.0
PGSC0003DMG400008599	1.6	1.8	Conserved gene of unknown function	3.0
PGSC0003DMG400001185	1.6	2.3	Serine-threonine protein kinase. plant-type	3.0
PGSC0003DMG400025905	1.6	3.2	Methylketone synthase Ib	3.0
PGSC0003DMG400027963	1.6	3.2	Ga20 oxidase	3.0
PGSC0003DMG400010843	1.6	3.0	Cellulose synthase CsIE Granule-bound starch synthase 1.	3.0
PGSC0003DMG400012111	1.6	1.6	chloroplatic/amyloplastic	3.0
PGSC0003DMG400004963	1.6	1.9	Receptor protein kinase	3.0
PGSC0003DMG400017148	1.6	2.9	Zinc finger	3.0
PGSC0003DMG402017663	1.6	2.6	DNA-directed RNA polymerase subunit beta	3.0
PGSC0003DMG400005750	1.6	2.1	PIN1-like auxin transport protein	3.0
PGSC0003DMG400013030	1.6	1.7	Amino acid binding protein	3.0
PGSC0003DMG400024890	1.6	1.9	Receptor protein kinase CLAVATA1	3.0
PGSC0003DMG400009378	1.6	1.8	DNA binding protein	3.0
PGSC0003DMG400009850	1.6	1.8	Progesterone 5-beta-reductase	2.9
PGSC0003DMG400029308	1.6	1.9	Conserved gene of unknown function	2.9
PGSC0003DMG400018713	1.6	1.8	Carbonyl reductase	2.9
PGSC0003DMG400022070	1.6	2.1	Gene of unknown function	2.9
PGSC0003DMG400021857	1.6	2.2	GPRI2	2.9
PGSC0003DMG400019257	1.5	1.6	Chloroplast thiazole biosynthetic protein	2.9
PGSC0003DMG400011370	1.5	1.6	Rubber elongation factor	2.9
PGSC0003DMG402016112	1.5	3.3	Sinapyl alcohol dehydrogenase 2	2.9
PGSC0003DMG400027457	1.5	2.2	GDU1	2.9
PGSC0003DMG400008128	1.5	2.8	Protein kinase	2.9
PGSC0003DMG400021201	1.5	3.1	Transcription factor	2.9
PGSC0003DMG400008848	1.5	1.8	Conserved gene of unknown function	2.9
PGSC0003DMG400006198	1.5	1.7	Cucumisin	2.9
PGSC0003DMG400002570	1.5	1.8	Conserved gene of unknown function	2.9
PGSC0003DMG400002810	1.5	2.1	3-5 exonuclease	2.9
PGSC0003DMG400028098	1.5	3.0	Myb RL3	2.9
PGSC0003DMG400011628	1.5	1.6	Chloroplast small heat shock protein class I	2.9
PGSC0003DMG400033134	1.5	1.6	O-linked n-acetylglucosamine transferase. ogt	2.9
PGSC0003DMG400017857	1.5	2.0	Synaptotagmin	2.9
PGSC0003DMG400020514	1.5	2.7	Peptide transporter	2.9
PGSC0003DMG400038020	1.5	2.0	Disease resistance protein BS2	2.9
PGSC0003DMG400018811	1.5	2.0	Erecta	2.9
PGSC0003DMG400018119	1.5	4.4	TRANSPARENT TESTA 12 protein	2.9

PGSC0003DMG400024068	1.5	4.4	Homeobox-leucine zipper protein PROTODERMAL FACTOR 2	2.9
PGSC0003DMG40000803	1.5	4.4	Cytochrome B561 family protein	2.9
PGSC0003DMG400021834	1.5	4.4	Metal ion binding protein	2.9
PGSC0003DMG400032087	1.5	4.4	Conserved gene of unknown function	2.9
PGSC0003DMG400001944	1.5	4.4	Cytochrome P450	2.9
PGSC0003DMG400021284	1.5	2.1	Conserved gene of unknown function	2.9
PGSC0003DMG400024753	1.5	1.7	Chloroplast-targeted copper chaperone	2.9
PGSC0003DMG401008870	1.5	1.6	Rac GTPase activating protein 1	2.8
PGSC0003DMG400046726	1.5	1.6	F-box family protein	2.8
PGSC0003DMG401021057	1.5	3.2	Cytochrome P450	2.8
PGSC0003DMG400015491	1.5	1.6	Tm-1 <sup>^</sup> GCR26 protein Xyloglucan endotransglucosylase/hydrolase	2.8
PGSC0003DMG400024060	1.5	2.7	protein A	2.8
PGSC0003DMG400020618	1.5	2.2	Tropinone reductase homolog	2.8
PGSC0003DMG400015692	1.5	1.7	DELLA protein GAI	2.8
PGSC0003DMG400002090	1.5	2.4	Non-race specific disease resistance protein 1 b	2.8
PGSC0003DMG400004930	1.5	1.7	Conserved gene of unknown function	2.8
PGSC0003DMG401003156	1.5	1.6	Glycosyltransferase. CAZy family GT2	2.8
PGSC0003DMG400005974	1.5	2.2	Tropinone reductase II	2.8
PGSC0003DMG400022013	1.5	2.0	STS14 protein	2.8
PGSC0003DMG400021360	1.5	2.1	U-box protein	2.8
PGSC0003DMG400020017	-3.0	-4.5	Lichenase	0.1
PGSC0003DMG400028388	-2.8	-4.6	Conserved gene of unknown function	0.1
PGSC0003DMG400032810	-2.7	-5.6	Gene of unknown function	0.1
PGSC0003DMG400015832	-2.7	-4.3	Ring finger containing protein	0.2
PGSC0003DMG400019415	-2.7	-3.1	Serine-threonine protein kinase. plant-type	0.2
PGSC0003DMG400026692	-2.6	-3.4	Protein translocase	0.2
PGSC0003DMG400000247	-2.5	-3.3	Gene of unknown function	0.2
PGSC0003DMG401028714	-2.5	-3.1		0.2
PGSC0003DMG400027539	-2.5	-3.2	Conserved gene of unknown function	0.2
PGSC0003DMG400021796	-2.5	-2.8	GTP-binding protein	0.2
PGSC0003DMG400029752	-2.4	-2.9		0.2
PGSC0003DMG400008433	-2.4	-3.0	Gene of unknown function	0.2
PGSC0003DMG400025501	-2.4	-2.8	MATE efflux family protein	0.2
PGSC0003DMG400011830	-2.4	-5.2	Conserved gene of unknown function	0.2
PGSC0003DMG400006207	-2.4	-2.6	60S ribosomal protein L7A	0.2
PGSC0003DMG400012453	-2.4	-2.8	Nucleolar GTP-binding protein 2	0.2
PGSC0003DMG400028538	-2.4	-3.2	Conserved gene of unknown function	0.2
PGSC0003DMG400017728	-2.4	-2.8	Conserved gene of unknown function	0.2
PGSC0003DMG400027180	-2.4	-3.1	Anthocyanin 5-aromatic acyltransferase	0.2
PGSC0003DMG400000155	-2.4	-3.1	LIM domain protein PLIM-2	0.2
PGSC0003DMG400011777	-2.4	-2.8	Cembratrienol synthase 2a	0.2
PGSC0003DMG400011929	-2.4	-2.8	Oxidoreductase	0.2
PGSC0003DMG400026049	-2.4	-4.2	ERF1	0.2
PGSC0003DMG401032501	-2.4	-2.5	RWP-RK domain-containing protein	0.2
PGSC0003DMG400024049	-2.3	-3.0	Pectinesterase	0.2

PGSC0003DMG400029316	-2.3	-2.6	Cyclin B	0.2
PGSC0003DMG400008932	-2.3	-2.6	Magnesium dependent soluble inorganic pyrophosphatase	0.2
PGSC0003DMG400027181	-2.3	-2.6	Transferase family protein	0.2
PGSC0003DMG400040471	-2.3	-3.8	Invertase inhibitor	0.2
PGSC0003DMG400006692	-2.3	-2.7	Cytochrome P450 hydroxylase	0.2
PGSC0003DMG400025876	-2.3	-3.2	UDP-glucose:glucosyltransferase	0.2
PGSC0003DMG401002869	-2.3	-2.9	Hcr2-0B	0.2
PGSC0003DMG400017103	-2.3	-2.6	Root phototropism protein	0.2
PGSC0003DMG400022063	-2.3	-2.9	WRKY1a transcription factor	0.2
PGSC0003DMG400004458	-2.3	-2.9	Light-harvesting complex I protein Lhca5	0.2
PGSC0003DMG400020377	-2.3	-2.6	70 kDa subunit of replication protein A	0.2
PGSC0003DMG400022859	-2.2	-2.7	Gene of unknown function	0.2
PGSC0003DMG400020809	-2.2	-2.7	Cytochrome P450	0.2
PGSC0003DMG400026543	-2.2	-2.8	Pleiotropic drug resistance protein 2	0.2
PGSC0003DMG400011369	-2.2	-2.8	Rapid alkalization factor preproprotein Ulp1 protease family. C-terminal catalytic domain containing protein	0.2
PGSC0003DMG400028077	-2.2	-3.9	Replication factor A protein	0.2
PGSC0003DMG402010367	-2.2	-3.0	Immediate early protein homolog	0.2
PGSC0003DMG400015248	-2.2	-3.8	Stress-associated protein 8	0.2
PGSC0003DMG400031013	-2.2	-2.5	Proteinase inhibitor type-2 CEVI57	0.2
PGSC0003DMG400015289	-2.1	-2.9	Cytochrome P450 92B1	0.2
PGSC0003DMG400005580	-2.1	-5.0	Gamma-gliadin	0.2
PGSC0003DMG400023220	-2.1	-3.9	Conserved gene of unknown function	0.2
PGSC0003DMG400022483	-2.1	-2.8	Conserved gene of unknown function	0.2
PGSC0003DMG400013939	-2.1	-2.7	Gene of unknown function	0.2
PGSC0003DMG401018257	-2.1	-2.4	Gene of unknown function	0.2
PGSC0003DMG400025451	-2.1	-2.6	Cysteine protease inhibitor 1	0.2
PGSC0003DMG400010134	-2.1	-2.4	Cytochrome P450	0.2
PGSC0003DMG400030413	-2.1	-2.8	RNase H family protein	0.2
PGSC0003DMG400020870	-2.1	-2.7	Gene of unknown function	0.2
PGSC0003DMG400028543	-2.1	-2.1	Disease resistance protein	0.2
PGSC0003DMG400002937	-2.0	-2.3	Na(+)/H(+) antiporter	0.2
PGSC0003DMG400013814	-2.0	-2.5	DNA repair protein RAD51 homolog 2	0.2
PGSC0003DMG402025391	-2.0	-3.9	Ubiquitin-protein ligase	0.2
PGSC0003DMG400033563	-2.0	-2.4	Gene of unknown function	0.2
PGSC0003DMG400011232	-2.0	-3.8	Gene of unknown function	0.2
PGSC0003DMG400026682	-2.0	-3.6	GH3 family protein	0.2
PGSC0003DMG400007496	-2.0	-2.3	Adenylate kinase isoenzyme 6	0.2
PGSC0003DMG400025774	-2.0	-2.3	Structural constituent of cell wall	0.2
PGSC0003DMG400021216	-2.0	-2.4	Nectarin 5	0.2
PGSC0003DMG400024478	-2.0	-2.4	Calmodulin-binding protein	0.2
PGSC0003DMG400014211	-2.0	-2.3	Gene of unknown function	0.2
PGSC0003DMG400007743	-2.0	-2.4	Gene of unknown function	0.2
PGSC0003DMG400007743	-2.0	-2.2	Tir-nbs-lrr resistance protein	0.3
PGSC0003DMG400001407	-2.0	-2.2	ATP binding protein	0.3
PGSC0003DMG400008591	-2.0	-2.6	O-methyltransferase	0.3
PGSC0003DMG400003219	-2.0	-2.5	Gene of unknown function	0.3
PGSC0003DMG400003219	-2.0	-2.2	Small heat shock protein. chloroplastic	0.3

PGSC0003DMG400027857	-2.0	-2.3	DNA-3-methyladenine glycosylase	0.3
PGSC0003DMG400000866	-2.0	-4.9	22 kDa peroxisomal membrane protein	0.3
PGSC0003DMG400016653	-2.0	-4.9	F-box family protein	0.3
PGSC0003DMG401025831	-2.0	-4.9	B3 domain-containing protein	0.3
PGSC0003DMG400019437	-2.0	-2.2	Pathogen-and wound-inducible antifungal protein CBP20	0.3
PGSC0003DMG400019542	-2.0	-3.2	DSK2	0.3
PGSC0003DMG400007887	-2.0	-2.1	Homeobox protein knotted-1-like LET12	0.3
PGSC0003DMG400003548	-2.0	-2.7	Fructose-bisphosphate aldolase	0.3
PGSC0003DMG401024842	-2.0	-3.2		0.3
PGSC0003DMG400001914	-2.0	-3.1		0.3
PGSC0003DMG400008794	-1.9	-2.3	Major latex Sulfate/bicarbonate/oxalate exchanger and transporter sat-1	0.3
PGSC0003DMG400019315	-1.9	-2.1	transporter sat-1	0.3
PGSC0003DMG400028931	-1.9	-2.3	Amino acid binding protein	0.3
PGSC0003DMG400000397	-1.9	-2.8	Gene of unknown function	0.3
PGSC0003DMG400006107	-1.9	-2.6	F-Box protein	0.3
PGSC0003DMG400012057	-1.9	-3.8	Pentatricopeptide repeat-containing protein. mitochondrial	0.3
PGSC0003DMG400013537	-1.9	-2.0	Proline-rich protein	0.3
PGSC0003DMG400030145	-1.9	-2.7	Gene of unknown function	0.3
PGSC0003DMG400010238	-1.9	-2.9	Abscisic acid receptor PYL6	0.3
PGSC0003DMG400031768	-1.9	-2.4	MLO 6	0.3
PGSC0003DMG400021407	-1.9	-3.6	Phytosulfokine peptide	0.3
PGSC0003DMG400015495	-1.9	-2.1	Dehydrin DH2a	0.3
PGSC0003DMG400010612	-1.9	-2.4	HJTR2GH1 protein	0.3
PGSC0003DMG400026222	-1.9	-3.2	Major pollen allergen Ory s 1	0.3
PGSC0003DMG400007525	-1.9	-2.8	Gene of unknown function	0.3
PGSC0003DMG400019725	-1.9	-2.5	Conserved gene of unknown function	0.3
PGSC0003DMG400025849	-1.9	-2.4	Phosphoribosylformylglycinamide synthase	0.3
PGSC0003DMG400024062	-1.9	-2.4	Expansin	0.3
PGSC0003DMG400031248	-1.9	-2.1	MRP-like ABC transporter	0.3
PGSC0003DMG400035092	-1.9	-3.2	Gene of unknown function	0.3
PGSC0003DMG400003043	-1.9	-2.2	Osmotin	0.3
PGSC0003DMG400001528	-1.9	-2.1	Class II chitinase	0.3
PGSC0003DMG400020290	-1.9	-3.6	Conserved gene of unknown function	0.3
PGSC0003DMG400002468	-1.9	-3.6	Pentatricopeptide repeat-containing protein. mitochondrial	0.3
PGSC0003DMG402017076	-1.9	-2.6	DNA topoisomerase 6 subunit B	0.3
PGSC0003DMG400000414	-1.9	-2.7	Shugoshin-1	0.3
PGSC0003DMG400000569	-1.9	-2.7	Electron transporter	0.3
PGSC0003DMG400027358	-1.9	-2.5	Type II inositol 5-phosphatase	0.3
PGSC0003DMG400010143	-1.9	-1.9	Cysteine protease inhibitor 1	0.3
PGSC0003DMG400037660	-1.8	-2.5	Allyl alcohol dehydrogenase	0.3
PGSC0003DMG400019435	-1.8	-1.9	Wound-induced protein WIN1	0.3
PGSC0003DMG401026940	-1.8	-2.2	Protein DEK	0.3
PGSC0003DMG400015436	-1.8	-3.2	Nucleolar GTP-binding protein 2	0.3
PGSC0003DMG400016812	-1.8	-1.9	AP2/ERF-domain protein	0.3

PGSC0003DMG400001596	-1.8	-3.6	Putative neutral invertase	0.3
PGSC0003DMG400000582	-1.8	-2.6	1-aminocyclopropane-1-carboxylate oxidase	0.3
PGSC0003DMG400039633	-1.8	-2.4	Gene of unknown function	0.3
PGSC0003DMG400001529	-1.8	-2.2	Acidic 27 kDa endochitinase	0.3
PGSC0003DMG400015327	-1.8	-2.0	UDP-glucose:glucosyltransferase	0.3
PGSC0003DMG400006367	-1.8	-3.2	Cytochrome P450 92B1	0.3
PGSC0003DMG400028015	-1.8	-3.0	Gene of unknown function	0.3
PGSC0003DMG400016931	-1.8	-1.9	RCG54054	0.3
PGSC0003DMG400029194	-1.8	-3.2	Abscisic acid receptor PYL4	0.3
PGSC0003DMG402026866	-1.8	-2.4	Embryo-abundant protein 1-aminocyclopropane-1-carboxylate oxidase	0.3
PGSC0003DMG400017185	-1.8	-2.4	homolog	0.3
PGSC0003DMG400032496	-1.8	-2.5	Gene of unknown function	0.3
PGSC0003DMG400032251	-1.8	-2.1	Conserved gene of unknown function	0.3
PGSC0003DMG400031430	-1.8	-2.5	Gene of unknown function	0.3
PGSC0003DMG400011649	-1.8	-2.2	Monovalent cation:proton antiporter	0.3
PGSC0003DMG400004800	-1.8	-1.9	Gene of unknown function	0.3
PGSC0003DMG400000719	-1.8	-2.2	Sec14 cytosolic factor	0.3
PGSC0003DMG400013099	-1.8	-2.5	Conserved gene of unknown function	0.3
PGSC0003DMG400012017	-1.8	-2.8	Pectin methylesterase inhibitor isoform	0.3
PGSC0003DMG400007803	-1.8	-2.3	Allyl alcohol dehydrogenase	0.3
PGSC0003DMG400019414	-1.8	-2.6	Omega-6 fatty acid desaturase. chloroplastic	0.3
PGSC0003DMG400012023	-1.8	-2.4	O-methyltransferase	0.3
PGSC0003DMG400010137	-1.8	-1.9	Cysteine protease inhibitor 1 Ulp1 protease family. C-terminal catalytic	0.3
PGSC0003DMG400024496	-1.8	-2.7	domain containing protein	0.3
PGSC0003DMG400033882	-1.8	-2.6	Acidic endochitinase	0.3
PGSC0003DMG400009737	-1.8	-2.5	Gene of unknown function	0.3
PGSC0003DMG402002349	-1.8	-2.4	Gene of unknown function	0.3
PGSC0003DMG400004275	-1.8	-3.4	Leucoanthocyanidin dioxygenase	0.3
PGSC0003DMG400009151	-1.8	-4.6	Conserved gene of unknown function	0.3
PGSC0003DMG400033142	-1.8	-4.6	Beta-fructofuranosidase. cell wall isozyme	0.3
PGSC0003DMG400018733	-1.8	-4.6	Gene of unknown function	0.3
PGSC0003DMG400004794	-1.8	-2.4	Conserved gene of unknown function	0.3
PGSC0003DMG400027850	-1.8	-1.9	Peroxisomal biogenesis factor	0.3
PGSC0003DMG400024377	-1.7	-2.7	Conserved gene of unknown function	0.3
PGSC0003DMG402028807	-1.7	-2.0	Conserved gene of unknown function	0.3
PGSC0003DMG400015560	-1.7	-2.3	Auxin-regulated protein	0.3
PGSC0003DMG400009686	-1.7	-2.6	Bacterial spot disease resistance protein 4	0.3
PGSC0003DMG400005730	-1.7	-2.1	Serine/threonine kinase	0.3
PGSC0003DMG400024605	-1.7	-3.3	Ubiquitin-protein ligase	0.3
PGSC0003DMG400014597	-1.7	-1.9	Mitochondrial dicarboxylate carrier protein	0.3
PGSC0003DMG400002186	-1.7	-2.1	Serine/threonine-protein kinase Aurora-3	0.3
PGSC0003DMG402004883	-1.7	-2.3	Nucleosome assembly protein 1 4	0.3
PGSC0003DMG402022215	-1.7	-1.9	Aconitate hydratase 3	0.3
PGSC0003DMG400007223	-1.7	-2.0	GTP-binding protein	0.3
PGSC0003DMG400023643	-1.7	-3.4	Serine-threonine protein kinase. plant-type	0.3

PGSC0003DMG400018732	-1.7	-2.9	Gene of unknown function	0.3
PGSC0003DMG400016068	-1.7	-2.4	Major latex	0.3
PGSC0003DMG400029430	-1.7	-2.3	ARGOS	0.3
PGSC0003DMG400031046	-1.7	-2.5	Sucrose synthase	0.3
PGSC0003DMG400027379	-1.7	-2.2	ACI13	0.3
PGSC0003DMG400006806	-1.7	-2.1	ADP/ATP translocator	0.3
PGSC0003DMG400013797	-1.7	-2.3	Protein kinase	0.3
PGSC0003DMG400013096	-1.7	-2.5	Germin 12	0.3
PGSC0003DMG402004840	-1.7	-2.7	Phosphatase	0.3
PGSC0003DMG400035500	-1.7	-4.6	Conserved gene of unknown function	0.3
PGSC0003DMG400010112	-1.7	-3.1	Conserved gene of unknown function	0.3
PGSC0003DMG400006903	-1.7	-2.0	B12D	0.3
PGSC0003DMG400005666	-1.7	-2.3	Conserved gene of unknown function	0.3
PGSC0003DMG400032282	-1.7	-3.3	Cysteine-rich extensin-2	0.3
PGSC0003DMG400011463	-1.7	-3.0	Conserved gene of unknown function	0.3
PGSC0003DMG400026518	-1.7	-2.3	Avr9/Cf-9 rapidly elicited protein 141	0.3
PGSC0003DMG400011102	-1.7	-2.4	Transcription factor HBP-1b	0.3
PGSC0003DMG400011919	-1.7	-2.5	Mevalonate diphosphate decarboxylase	0.3
PGSC0003DMG400035769	-1.7	-2.4	Cytochrome P450	0.3
PGSC0003DMG400013342	-1.7	-2.8	Caffeic acid O-methyltransferase II	0.3
PGSC0003DMG400027127	-1.7	-1.9	Anthocyanin 5-aromatic acyltransferase	0.3
PGSC0003DMG400006391	-1.7	-1.7	Phosphoenolpyruvate carboxykinase	0.3
PGSC0003DMG400026854	-1.7	-2.2	Endochitinase 2	0.3
PGSC0003DMG401003479	-1.7	-2.7	Gene of unknown function	0.3
PGSC0003DMG400031811	-1.7	-1.8	Esterase/lipase/thioesterase family protein	0.3
PGSC0003DMG400002678	-1.7	-2.0	Conserved gene of unknown function	0.3
PGSC0003DMG400020216	-1.6	-2.0	ATP binding protein	0.3
PGSC0003DMG400029338	-1.6	-1.8	GAST	0.3
PGSC0003DMG400013124	-1.6	-2.2	Receptor-kinase	0.3
PGSC0003DMG400042128	-1.6	-2.6	Gene of unknown function	0.3
PGSC0003DMG401017076	-1.6	-3.1	Type II DNA topoisomerase VI subunit B	0.3
PGSC0003DMG400013516	-1.6	-3.1	Polygalacturonase	0.3
PGSC0003DMG400008546	-1.6	-2.1	Miraculin	0.3
PGSC0003DMG400010145	-1.6	-1.7	Cysteine protease inhibitor 9	0.3
PGSC0003DMG400007549	-1.6	-2.3	Gene of unknown function	0.3
PGSC0003DMG400024285	-1.6	-2.8	Peroxidase 44	0.3
PGSC0003DMG400015132	-1.6	-3.5	Defensin J1-2	0.3
PGSC0003DMG400032516	-1.6	-2.5	Gene of unknown function	0.3
PGSC0003DMG400008269	-1.6	-2.0	Tic62 protein	0.3
PGSC0003DMG400006838	-1.6	-2.4	SBT4E protein	0.3
PGSC0003DMG400018845	-1.6	-2.6	Protein DYAD	0.3
PGSC0003DMG400005809	-1.6	-2.3	Gene of unknown function	0.3
PGSC0003DMG400026855	-1.6	-1.9	Endochitinase 4	0.3
PGSC0003DMG400038086	-1.6	-3.0	Conserved gene of unknown function	0.3
PGSC0003DMG400004465	-1.6	-3.0	Gene of unknown function	0.3
PGSC0003DMG400001700	-1.6	-1.9	Conserved gene of unknown function	0.3

PGSC0003DMG400011949	-1.6	-1.8	Non-specific lipid-transfer protein	0.3
PGSC0003DMG400014133	-1.6	-2.1	F-box family protein	0.3
PGSC0003DMG400018080	-1.6	-1.8	Conserved gene of unknown function	0.3
PGSC0003DMG404026043	-1.6	-3.2	NRC1	0.3
PGSC0003DMG400009439	-1.6	-2.5	UDP-glucuronosyl/UDP-glucosyl transferase family protein	0.3
PGSC0003DMG400005339	-1.6	-2.1	Conserved gene of unknown function AP2/ERF domain-containing transcription factor	0.3
PGSC0003DMG400017051	-1.6	-2.5		0.3
PGSC0003DMG400002914	-1.6	-1.6	EIN3-binding F-box protein 1	0.3
PGSC0003DMG400013325	-1.6	-2.0	Importin beta-3	0.3
PGSC0003DMG401026585	-1.6	-2.0	ATP binding protein	0.3
PGSC0003DMG400013670	-1.6	-1.9	Gene of unknown function	0.3
PGSC0003DMG400024870	-1.6	-2.1	RNase H family protein	0.3
PGSC0003DMG400005909	-1.6	-1.7	Regulator of gene silencing	0.3
PGSC0003DMG400004931	-1.6	-3.0	Gene of unknown function	0.3
PGSC0003DMG400021298	-1.6	-3.0	Conserved gene of unknown function	0.3
PGSC0003DMG400017946	-1.6	-1.9	S locus glycoprotein	0.3
PGSC0003DMG400023345	-1.6	-1.8	ARF domain class transcription factor	0.3
PGSC0003DMG400011238	-1.6	-2.0	Amine oxidase	0.3
PGSC0003DMG400010170	-1.6	-1.9	Miraculin	0.3
PGSC0003DMG400042093	-1.6	-1.9	Chloroplast photosystem II subunit X	0.3
PGSC0003DMG400011961	-1.6	-1.9	Multidrug resistance pump	0.3
PGSC0003DMG400002168	-1.6	-1.8	Glutathione S-transferase	0.3
PGSC0003DMG402020473	-1.6	-1.9	Conserved gene of unknown function	0.3
PGSC0003DMG400028799	-1.6	-1.9	Pollen-specific C2 domain containing protein	0.3
PGSC0003DMG400018756	-1.6	-2.0	Lustrin A	0.3
PGSC0003DMG400020131	-1.6	-2.0	Non-specific lipid-transfer protein	0.3
PGSC0003DMG400027861	-1.6	-1.7	Translation initiation factor	0.3
PGSC0003DMG400010285	-1.6	-2.3	Ethylene response factor 10	0.3
PGSC0003DMG400009633	-1.6	-1.8	N protein	0.3
PGSC0003DMG400005537	-1.6	-4.5	Gene of unknown function	0.3
PGSC0003DMG400010388	-1.6	-2.0	BHLH transcription factor	0.3
PGSC0003DMG400030562	-1.6	-2.5	Cement protein 3B variant 1	0.3
PGSC0003DMG400003245	-1.6	-2.5	Gene of unknown function	0.3
PGSC0003DMG400027876	-1.5	-2.0	Serine/threonine-protein phosphatase 7 long form homolog	0.3
PGSC0003DMG400030804	-1.5	-1.7	UDP-glucose:glucosyltransferase	0.3
PGSC0003DMG400009370	-1.5	-2.0	Gene of unknown function	0.3
PGSC0003DMG400015561	-1.5	-2.1	UPA23	0.3
PGSC0003DMG400003097	-1.5	-2.1		0.3
PGSC0003DMG400023028	-1.5	-1.9	Calcium-binding protein	0.3
PGSC0003DMG400041665	-1.5	-2.0	Gene of unknown function	0.3
PGSC0003DMG400035782	-1.5	-2.5	1-aminocyclopropane-1-carboxylate oxidase homolog	0.3
PGSC0003DMG400002637	-1.5	-3.3	Conserved gene of unknown function	0.3
PGSC0003DMG400006144	-1.5	-3.3	Histone deacetylase complex. SIN3 component	0.3
PGSC0003DMG400032247	-1.5	-2.0	Vicilin	0.3



PGSC0003DMG400020498	-1.5	-3.1	Inositol-1.4.5-triphosphate-5-phosphatase	0.3
PGSC0003DMG400023700	-1.5	-2.3	Conserved gene of unknown function	0.3
PGSC0003DMG400027143	-1.5	-1.9	Dihydrolipoyl dehydrogenase	0.3
PGSC0003DMG400002321	-1.5	-1.9	ACC oxidase	0.3
PGSC0003DMG400044149	-1.5	-2.0	UDP-glucose:glucosyltransferase	0.3
PGSC0003DMG401007888	-1.5	-1.6	Conserved gene of unknown function	0.3
PGSC0003DMG400012950	-1.5	-1.6	Gene of unknown function	0.3
PGSC0003DMG400006221	-1.5	-1.9	Conserved gene of unknown function	0.3
PGSC0003DMG400025843	-1.5	-2.4	Anthranilate N-benzoyltransferase protein	0.3
PGSC0003DMG400019702	-1.5	-1.8	Zinc finger protein	0.3
PGSC0003DMG400003155	-1.5	-1.8	4-coumarate:CoA ligase	0.3
PGSC0003DMG400015468	-1.5	-2.9	Sugar transporter	0.3
PGSC0003DMG400017730	-1.5	-1.6	FtsH protease	0.4
PGSC0003DMG400017913	-1.5	-2.1	Cytochrome-c oxidase	0.4
PGSC0003DMG400000193	-1.5	-1.7	1-aminocyclopropane-1-carboxylate synthase 2	0.4
PGSC0003DMG400006897	-1.5	-2.4	Conserved gene of unknown function	0.4
PGSC0003DMG400016515	-1.5	-1.6	Conserved gene of unknown function	0.4
PGSC0003DMG400005545	-1.5	-1.7	GAL83	0.4
PGSC0003DMG400019119	-1.5	-3.1	Oxidoreductase	0.4

<sup>a</sup>Fold changes in comparison to un-inoculated control plants.