

**Table S1:** Genes differentially expressed under treatment with MLG43 in Col-0 plants

Expression level of the 1229 differentially expressed genes when treating Col-0 plants with MLG43 and comparing with genes in Col-0 mock treated plants

Up-regulated genes in the treatment. Consideration of n-fold above or equal 2 is taken. Expression in the treatment against 0 expression in Mock is also considered

Down-regulated genes in the treatment. Consideration of n-fold below or equal to 0.5 is taken

Gene ID	p-value MLG43 vs mock	n-fold	Annotation
AT1G55152	0.002070183	#jDIV/0!	hypothetical protein
AT2G25297	0.039284851	#jDIV/0!	transmembrane protein
AT1G51913	0.008417455	#jDIV/0!	transmembrane protein
AT1G36640	0.027454977	#jDIV/0!	transmembrane protein
AT2G23270	0.003751188	#jDIV/0!	transmembrane protein
AT3G14225	0.003059848	#jDIV/0!	GDSL-motif lipase 4
AT3G13433	0.023867154	#jDIV/0!	transmembrane protein
AT1G14550	0.018360239	#jDIV/0!	Peroxidase superfamily protein
AT4G01735	0.025445603	#jDIV/0!	polyhomeotic-like protein
AT5G60260	0.033734583	#jDIV/0!	hypothetical protein
AT3G02705	0.014203700	#jDIV/0!	NA
AT5G44990	0.016138105	#jDIV/0!	Glutathione S-transferase family protein
AT2G25409	0.022628538	#jDIV/0!	hypothetical protein
AT4G11480	0.020853720	#jDIV/0!	cysteine-rich RLK (RECEPTOR-like protein kinase) 32
AT1G42980	0.046053735	#jDIV/0!	Actin-binding FH2 (formin homology 2) family protein
AT5G52710	0.010610321	#jDIV/0!	Copper transport protein family
AT5G44565	0.042239090	#jDIV/0!	transmembrane protein
AT1G51915	0.005921667	#jDIV/0!	cryptdin protein-like protein
AT4G22030	0.037796194	#jDIV/0!	F-box protein with a domain protein
AT4G11070	0.045590824	#jDIV/0!	WRKY family transcription factor
AT5G45090	0.004650251	#jDIV/0!	phloem protein 2-A7
AT4G14368	0.020916092	#jDIV/0!	Regulator of chromosome condensation (RCC1) family protein
AT2G40740	0.027074013	#jDIV/0!	WRKY DNA-binding protein 55
AT1G13550	0.025161714	#jDIV/0!	hypothetical protein (DUF1262)

AT1G18382	0.024897725	#jDIV/0!	NA
AT1G09930	0.020284579	#jDIV/0!	oligopeptide transporter 2
AT1G49030	0.046336217	#jDIV/0!	PLAC8 family protein
AT2G25410	0.007432580	#jDIV/0!	RING/U-box superfamily protein
AT5G06820	0.012169166	#jDIV/0!	STRUBBELIG-receptor family 2
AT3G09922	0.019880144	#jDIV/0!	induced by phosphate starvation1
AT1G16140	0.000062511	#jDIV/0!	NA
AT5G22545	0.025300069	#jDIV/0!	hypothetical protein
AT3G61390	0.047979829	#jDIV/0!	RING/U-box superfamily protein
AT2G47150	0.043560178	#jDIV/0!	NAD(P)-binding Rossmann-fold superfamily protein
AT4G31970	0.025922844	#jDIV/0!	cytochrome P450%2C family 82%2C subfamily C%2C polypeptide 2
AT4G32510	0.029095872	#jDIV/0!	HCO3- transporter family
AT3G50160	0.037550743	#jDIV/0!	transmembrane protein%2C putative (DUF247)
AT3G51560	0.006252216	#jDIV/0!	Disease resistance protein (TIR-NBS-LRR class) family
AT1G04127	0.041249252	#jDIV/0!	NA
AT5G48890	0.001208848	#jDIV/0!	C2H2-like zinc finger protein
AT5G53135	0.040295136	#jDIV/0!	NA
AT2G01040	0.001229953	#jDIV/0!	NA
AT1G27820	0.036077363	#jDIV/0!	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein
AT4G05940	0.000239534	#jDIV/0!	NA
AT5G60350	0.011266216	#jDIV/0!	hypothetical protein
AT2G37810	0.031385429	231.86056	Cysteine/Histidine-rich C1 domain family protein
AT4G11170	0.013197540	220.69772	Disease resistance protein (TIR-NBS-LRR class) family
AT1G79680	0.012214081	187.64283	WALL ASSOCIATED KINASE (WAK)-LIKE 10
AT5G24110	0.042088281	182.69931	WRKY DNA-binding protein 30
AT1G14540	0.048083738	175.07572	Peroxidase superfamily protein
AT1G26380	0.018412427	161.74389	FAD-binding Berberine family protein
AT4G11470	0.013159502	161.28821	cysteine-rich RLK (RECEPTOR-like protein kinase) 31
AT5G64905	0.008653593	100.76616	elicitor peptide 3 precursor
AT4G35180	0.023092930	90.702746	LYS/HIS transporter 7
AT4G23280	0.005650307	89.429186	cysteine-rich RLK (RECEPTOR-like protein kinase) 20
AT1G15625	0.007130400	86.969917	E3 ubiquitin-protein ligase
AT1G06983	0.036562954	83.207844	NA

AT5G47850	0.008903359	81.53014	CRINKLY4 related 4
AT5G05300	0.023953909	79.779264	hypothetical protein
AT1G05675	0.016830127	79.661859	UDP-Glycosyltransferase superfamily protein
AT5G11210	0.007703675	79.387399	glutamate receptor 2.5
AT4G23610	0.025545673	71.62726	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT5G64890	0.001533279	70.407594	elicitor peptide 2 precursor
AT1G53625	0.027201988	69.19008	hypothetical protein
AT3G29000	0.000435654	65.866277	Calcium-binding EF-hand family protein
AT5G52670	0.016160714	50.573165	Copper transport protein family
AT1G69920	0.015815441	49.735333	glutathione S-transferase TAU 12
AT5G57220	0.016510873	49.71037	cytochrome P450%2C family 81%2C subfamily F%2C polypeptide 2
AT4G18195	0.015896318	49.44500	purine permease 8
AT1G13520	0.001921697	49.154165	hypothetical protein (DUF1262)
AT1G67980	0.000513025	47.501035	caffeoyl-CoA 3-O-methyltransferase
AT4G18250	0.028828255	44.846087	receptor Serine/Threonine kinase-like protein
AT3G23230	0.033353543	43.67313	Integrase-type DNA-binding superfamily protein
AT1G65484	0.009544266	43.058447	transmembrane protein
AT1G78410	0.006268108	42.425907	VQ motif-containing protein
AT1G21120	0.014940176	41.840626	O-methyltransferase family protein
AT5G37490	0.012173302	41.584561	ARM repeat superfamily protein
AT3G53600	0.017071632	39.840753	C2H2-type zinc finger family protein
AT4G37290	0.043696751	39.767484	transmembrane protein
AT2G32130	0.045721410	39.380293	intracellular protein transporter%2C putative (DUF641)
AT3G54150	0.021412387	39.085315	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT2G26560	0.023193994	38.846073	phospholipase A 2A
AT2G19190	0.005751695	36.22605	FLG22-induced receptor-like kinase 1
AT1G43000	0.024923447	35.527344	PLATZ transcription factor family protein
AT1G66090	0.037500000	35.39268	Disease resistance protein (TIR-NBS class)
AT5G45240	0.026815718	35.250082	Disease resistance protein (TIR-NBS-LRR class)
AT4G20000	0.003288737	34.573698	VQ motif-containing protein
AT5G01540	0.020414687	33.156693	lectin receptor kinase a4.1
AT1G56240	0.030793302	33.071166	phloem protein 2-B13
AT1G17147	0.026002771	32.893207	VQ motif-containing protein

AT1G72520	0.016854393	32.644109	PLAT/LH2 domain-containing lipoxygenase family protein
AT3G15518	0.012316616	32.399149	hypothetical protein
AT1G35210	0.026704643	30.855351	hypothetical protein
AT5G65600	0.009620898	30.473313	Concanavalin A-like lectin protein kinase family protein
AT2G27389	0.012303537	30.189848	hypothetical protein
AT1G26420	0.006669607	30.159165	FAD-binding Berberine family protein
AT3G02840	0.032840390	30.109595	ARM repeat superfamily protein
AT3G07195	0.033695176	29.911363	RPM1-interacting protein 4 (RIN4) family protein
AT5G40000	0.005787712	29.591812	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT1G26410	0.045845733	29.585588	FAD-binding Berberine family protein
AT4G14630	0.009631690	29.558382	germin-like protein 9
AT4G15975	0.039027060	29.25191	RING/U-box superfamily protein
AT4G25350	0.034020438	29.03469	EXS (ERD1/XPR1/SYG1) family protein
AT4G23215	0.039420785	27.916616	NA
AT5G41750	0.023759385	27.805979	Disease resistance protein (TIR-NBS-LRR class) family
AT1G24140	0.037032347	27.793772	Matrixin family protein
AT1G30370	0.017363293	27.485504	alpha/beta-Hydrolases superfamily protein
AT4G11890	0.033152528	27.370132	Protein kinase superfamily protein
AT2G39380	0.006910413	27.350407	exocyst subunit exo70 family protein H2
AT1G21230	0.009646583	26.485658	wall associated kinase 5
AT5G27420	0.008004964	26.180404	carbon/nitrogen insensitive 1
AT4G15417	0.006505891	26.13381	RNAse II-like 1
AT4G15236	0.020951325	26.025665	ABC-2 and Plant PDR ABC-type transporter family protein
AT5G39670	0.008767966	25.913661	Calcium-binding EF-hand family protein
AT1G30700	0.013640338	25.673118	FAD-binding Berberine family protein
AT5G28610	0.015482506	25.291359	LOW protein: ATP-dependent RNA helicase DRS1-like protein
AT1G47890	0.038239549	24.868142	receptor like protein 7
AT1G67000	0.039130398	24.661018	Protein kinase superfamily protein
AT1G21110	0.010489821	23.767713	O-methyltransferase family protein
AT1G68450	0.027597603	23.576364	VQ motif-containing protein
AT4G37370	0.012351809	23.220282	cytochrome P450%2C family 81%2C subfamily D%2C polypeptide 8
AT1G51920	0.033425400	22.93315	transmembrane protein
AT3G21520	0.008816612	22.246688	transmembrane protein%2C putative (DUF679 domain membrane protein 1)

AT1G05933	0.010221444	22.178965	NA
AT3G48450	0.036383644	21.216394	RPM1-interacting protein 4 (RIN4) family protein
AT2G17740	0.001861024	20.836448	Cysteine/Histidine-rich C1 domain family protein
AT2G18210	0.020954066	20.800854	hypothetical protein
AT1G19020	0.020340996	20.750284	CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferase
AT3G13432	0.008468777	20.499237	transmembrane protein
AT3G28580	0.007211933	20.148234	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT2G43000	0.024344827	20.017498	NAC domain containing protein 42
AT2G44578	0.002533424	19.983949	RING/U-box superfamily protein
AT2G44370	0.002600024	19.798325	Cysteine/Histidine-rich C1 domain family protein
AT4G23220	0.015262617	19.781979	cysteine-rich RECEPTOR-like kinase
AT3G19615	0.000115343	19.747605	beta-1%2C4-xylosidase
AT2G17050	0.029134006	19.344322	disease resistance protein (TIR-NBS-LRR class)
AT4G40020	0.000019026	19.338351	Myosin heavy chain-related protein
AT1G69150	0.040867406	18.989949	Cysteine/Histidine-rich C1 domain family protein
AT1G13480	0.003915681	18.985067	hypothetical protein (DUF1262)
AT4G14365	0.022596776	18.823084	hypothetical protein
AT4G11000	0.002483657	18.800644	Ankyrin repeat family protein
AT2G35658	0.040977965	18.796245	transmembrane protein
AT1G36622	0.049479983	18.464616	transmembrane protein
AT1G18570	0.003596581	18.090459	myb domain protein 51
AT1G50750	0.021291388	18.012808	aminotransferase-like%2C mobile domain protein
AT5G42380	0.011386613	17.725013	calmodulin like 37
AT5G45070	0.038821126	17.434351	phloem protein 2-A8
AT2G39200	0.002571077	17.165737	Seven transmembrane MLO family protein
AT5G19240	0.008086996	16.950657	Glycoprotein membrane precursor GPI-anchored
AT4G14450	0.019341021	16.89269	hypothetical protein
AT4G21390	0.021598479	16.669587	S-locus lectin protein kinase family protein
AT1G09353	0.025438136	16.659389	NA
AT5G62150	0.017302911	16.542675	peptidoglycan-binding LysM domain-containing protein
AT5G01550	0.010004125	16.516182	lectin receptor kinase a4.1
AT2G46430	0.002378405	16.38367	cyclic nucleotide gated channel 3
AT4G39580	0.013443459	16.329845	Galactose oxidase/kelch repeat superfamily protein

AT3G49580	0.006268262	16.169421	response to low sulfur 1
AT3G11840	0.022633622	16.084059	E3 ubiquitin-protein ligase PUB24-like protein
AT5G48540	0.003702979	16.016925	receptor-like protein kinase-related family protein
AT1G02400	0.045295137	15.967254	gibberellin 2-oxidase 6
AT1G51890	0.006257557	15.800888	Leucine-rich repeat protein kinase family protein
AT5G44585	0.013966680	15.613927	hypothetical protein
AT5G28630	0.022170965	15.44775	glycine-rich protein
AT2G32030	0.012555091	15.253529	Acyl-CoA N-acyltransferases (NAT) superfamily protein
AT3G16530	0.015628025	15.142202	Legume lectin family protein
AT4G23810	0.004669108	14.981836	WRKY family transcription factor
AT5G52760	0.045733887	14.895766	Copper transport protein family
AT1G80820	0.017401755	14.752973	cinnamoyl coa reductase
AT2G24600	0.024308590	14.713255	Ankyrin repeat family protein
AT5G52750	0.013117609	14.660302	Heavy metal transport/detoxification superfamily protein
AT5G12340	0.011553280	14.597931	DUF4228 domain protein
AT5G22530	0.025396999	14.576098	hypothetical protein
AT1G02360	0.002520153	14.553381	Chitinase family protein
AT1G05575	0.010203099	14.35434	transmembrane protein
AT2G38470	0.002953143	14.306569	WRKY DNA-binding protein 33
AT5G25250	0.035589970	14.287372	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT3G50930	0.021327542	14.09434	cytochrome BC1 synthesi
AT5G02895	0.010550204	14.040954	NA
AT1G63245	0.026812128	13.965071	CLAVATA3/ESR-RELATED 14
AT4G18205	0.003009543	13.807777	Nucleotide-sugar transporter family protein
AT1G55450	0.012582516	13.780714	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT2G17040	0.027711169	13.596811	NAC domain containing protein 36
AT1G65390	0.018772293	13.514792	phloem protein 2 A5
AT4G21920	0.029893710	13.41589	hypothetical protein
AT2G25735	0.020376000	13.409806	hypothetical protein
AT4G23170	0.001405919	13.204121	receptor-like protein kinase-related family protein
AT2G07305	0.042090948	13.188177	NA
AT1G61550	0.000107728	12.958434	S-locus lectin protein kinase family protein
AT4G14370	0.018455456	12.954327	Disease resistance protein (TIR-NBS-LRR class) family

AT1G74360	0.002435889	12.901953	Leucine-rich repeat protein kinase family protein
AT4G36500	0.021836562	12.89386	hypothetical protein
AT3G02585	0.035255580	12.77085	NA
AT3G46680	0.009257044	12.500982	UDP-Glycosyltransferase superfamily protein
AT3G17690	0.018926278	12.435531	cyclic nucleotide gated channel 19
AT4G18197	0.015411145	12.382749	purine permease 7
AT4G20780	0.021394792	12.322943	calmodulin like 42
AT1G49000	0.010829524	12.297153	transmembrane protein
AT1G58420	0.036654414	12.281304	Uncharacterized conserved protein UCP031279
AT3G04220	0.031516178	12.245805	Disease resistance protein (TIR-NBS-LRR class) family
AT1G07135	0.034899682	12.176516	glycine-rich protein
AT5G44070	0.008575798	12.124827	phytochelatin synthase 1 (PCS1)
AT1G50745	0.018101728	11.983591	plant mobile domain protein
AT5G51190	0.004194448	11.791818	Integrase-type DNA-binding superfamily protein
AT2G08740	0.004367618	11.76259	NA
AT3G04135	0.047736153	11.735624	NA
AT5G40590	0.003613718	11.609986	Cysteine/Histidine-rich C1 domain family protein
AT2G35930	0.014155736	11.595458	plant U-box 23
AT5G60900	0.026964657	11.547431	receptor-like protein kinase 1
AT2G27660	0.009476167	11.419056	Cysteine/Histidine-rich C1 domain family protein
AT4G21903	0.001579847	11.392966	MATE efflux family protein
AT2G28815	0.020974821	11.310089	50S ribosomal protein L16
AT1G30757	0.014939325	11.278493	transmembrane protein
AT2G01360	0.042818736	11.241004	pentatricopeptide (PPR) repeat protein
AT4G23190	0.008956847	11.215314	cysteine-rich RLK (RECEPTOR-like protein kinase) 11
AT5G43420	0.017812759	11.176448	RING/U-box superfamily protein
AT5G59680	0.006500426	11.116207	Leucine-rich repeat protein kinase family protein
AT5G26920	0.020967278	11.101236	Cam-binding protein 60-like G
AT1G09932	0.027517901	11.075818	Phosphoglycerate mutase family protein
AT4G17490	0.001459416	11.05233	ethylene responsive element binding factor 6
AT1G27730	0.012180599	11.041021	salt tolerance zinc finger
AT5G25930	0.004935803	11.028238	kinase family with leucine-rich repeat domain-containing protein
AT3G25610	0.013712927	10.929687	ATPase E1-E2 type family protein / haloacid dehalogenase-like hydrolase family protein

AT5G14700	0.021293980	10.815928	NAD(P)-binding Rossmann-fold superfamily protein
AT2G28210	0.017128698	10.764105	alpha carbonic anhydrase 2
AT5G38310	0.018414525	10.691451	hypothetical protein
AT1G30755	0.011749347	10.674724	elongation factor G%2C putative (DUF668)
AT1G28480	0.011616656	10.625539	Thioredoxin superfamily protein
AT5G67450	0.000004699	10.523426	zinc-finger protein 1
AT5G48530	0.019155724	10.465652	hypothetical protein
AT1G51820	0.022453045	10.453927	Leucine-rich repeat protein kinase family protein
AT1G65481	0.004529316	10.409953	transmembrane protein
AT1G06137	0.040009245	10.374137	transmembrane protein
AT5G48430	0.000324540	10.286483	Eukaryotic aspartyl protease family protein
AT3G02695	0.024375024	10.236747	NA
AT1G61360	0.007930558	10.200962	S-locus lectin protein kinase family protein
AT5G09800	0.031702135	10.149433	ARM repeat superfamily protein
AT4G24570	0.009295309	10.078997	dicarboxylate carrier 2
AT4G26200	0.002545278	10.072843	1-amino-cyclopropane-1-carboxylate synthase 7
AT5G39020	0.013372390	10.040036	Malectin/receptor-like protein kinase family protein
AT2G42060	0.002422124	10.036541	Cysteine/Histidine-rich C1 domain family protein
AT3G18250	0.012355378	9.9651873	Putative membrane lipoprotein
AT2G15220	0.005707762	9.9627537	Plant basic secretory protein (BSP) family protein
AT2G04510	0.027486567	9.8098683	NA
AT3G15356	0.033241277	9.7606357	Legume lectin family protein
AT2G20562	0.033976750	9.7413538	taximin
AT4G38550	0.001736116	9.7344618	phospholipase-like protein (PEARLI 4) family protein
AT5G44910	0.005535864	9.731977	Toll-Interleukin-Resistance (TIR) domain family protein
AT1G13210	0.011295694	9.6939225	autoinhibited Ca <sup>2+</sup> /ATPase II
AT4G03480	0.009700620	9.6657192	Ankyrin repeat family protein
AT4G23180	0.007910885	9.6328183	cysteine-rich RLK (RECEPTOR-like protein kinase) 10
AT2G32020	0.011828259	9.5811258	Acyl-CoA N-acyltransferases (NAT) superfamily protein
AT2G07769	0.008359846	9.5246596	NA
AT5G47230	0.002549238	9.5087449	ethylene responsive element binding factor 5
AT4G28085	0.023851284	9.485539	transmembrane protein
AT5G35735	0.020809714	9.4718375	Auxin-responsive family protein



AT1G20310	0.048820826	9.4068013	syringolide-induced protein
AT4G35590	0.043927968	9.3722691	RWP-RK domain-containing protein
AT3G52400	0.011688237	9.3424467	syntaxin of plants 122
AT2G22500	0.016770321	9.334082	uncoupling protein 5
AT1G67520	0.007007583	9.2526645	lectin protein kinase family protein
AT3G16030	0.015366293	9.2148465	lectin protein kinase family protein
AT5G01100	0.039006806	9.209366	O-fucosyltransferase family protein
AT2G18680	0.000057382	9.2083842	transmembrane protein
AT2G15390	0.008492590	9.159987	fucosyltransferase 4
AT5G42930	0.030230439	9.1336947	alpha/beta-Hydrolases superfamily protein
AT4G24310	0.000009088	9.1220987	transmembrane protein%2C putative (DUF679)
AT3G05370	0.000870075	9.1149453	receptor like protein 31
AT4G36052	0.003710085	9.0997387	NA
AT5G54710	0.024005381	9.0869708	Ankyrin repeat family protein
AT3G12880	0.021341173	9.0774836	Plant invertase/pectin methylesterase inhibitor superfamily protein
AT1G16160	0.029351367	9.0381148	wall associated kinase-like 5
AT1G80840	0.025001605	9.0342088	WRKY DNA-binding protein 40
AT2G20142	0.003136161	8.9668253	Toll-Interleukin-Resistance (TIR) domain family protein
AT4G37780	0.029601427	8.9355189	myb domain protein 87
AT2G44840	0.031817932	8.8970038	ethylene-responsive element binding factor 13
AT5G41740	0.008629786	8.8710175	Disease resistance protein (TIR-NBS-LRR class) family
AT5G15130	0.000132699	8.8032333	WRKY DNA-binding protein 72
AT3G55980	0.007806593	8.7965592	salt-inducible zinc finger 1
AT4G29340	0.011038525	8.7684436	profilin 4
AT2G31865	0.013305648	8.7370508	poly(ADP-ribose) glycohydrolase 2
AT4G39830	0.002058497	8.7206483	Cupredoxin superfamily protein
AT4G18253	0.046548645	8.7064871	receptor Serine/Threonine kinase-like protein
AT3G18710	0.000018939	8.693845	plant U-box 29
AT4G11280	0.008433899	8.6936096	1-aminocyclopropane-1-carboxylic acid (acc) synthase 6
AT2G31880	0.016145794	8.6808078	Leucine-rich repeat protein kinase family protein
AT1G19250	0.039368978	8.6584154	flavin-dependent monooxygenase 1
AT2G40095	0.014217762	8.5356474	Alpha/beta hydrolase related protein
AT3G21070	0.014724323	8.4688528	NAD kinase 1

AT4G38560	0.025478919	8.3277878	phospholipase-like protein (PEARLI 4) family protein
AT4G39670	0.029257712	8.3194127	Glycolipid transfer protein (GLTP) family protein
AT3G21781	0.021745002	8.3116256	NA
AT4G01750	0.007339383	8.3055777	rhamnogalacturonan xylosyltransferase 2
AT5G25910	0.000068038	8.2830626	receptor like protein 52
AT1G18390	0.001700117	8.2777798	Serine/Threonine kinase family catalytic domain protein
AT2G37940	0.011714787	8.2557904	Inositol phosphorylceramide synthase 2
AT3G09830	0.008573910	8.1945497	Protein kinase superfamily protein
AT4G04075	0.018238230	8.171316	NA
AT3G26500	0.007104287	8.1579752	plant intracellular ras group-related LRR 2
AT5G23510	0.020669717	8.124052	hypothetical protein
AT5G66790	0.010209056	8.0883994	Protein kinase superfamily protein
AT5G41680	0.026614080	8.0120779	Protein kinase superfamily protein
AT1G68765	0.038006805	7.9335031	Putative membrane lipoprotein
AT5G45340	0.000017763	7.9238864	cytochrome P450%2C family 707%2C subfamily A%2C polypeptide 3
AT1G06073	0.020575347	7.9237178	NA
AT1G02920	0.013042055	7.8579	glutathione S-transferase 7
AT1G32960	0.047081776	7.8151742	Subtilase family protein
AT2G22870	0.007297849	7.7965592	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT1G76430	0.020443603	7.7586375	phosphate transporter 1%3B9
AT3G61190	0.009304403	7.7497594	BON association protein 1
AT5G67340	0.009407633	7.7464391	ARM repeat superfamily protein
AT1G59870	0.015278353	7.7115459	ABC-2 and Plant PDR ABC-type transporter family protein
AT1G24150	0.015763556	7.673322	formin homologue 4
AT4G22710	0.020668014	7.6672226	cytochrome P450%2C family 706%2C subfamily A%2C polypeptide 2
AT1G65850	0.001914428	7.5816421	Disease resistance protein (TIR-NBS-LRR class) family
AT5G41550	0.004492660	7.5266735	Disease resistance protein (TIR-NBS-LRR class) family
AT3G03125	0.018499084	7.525904	NA
AT3G21150	0.006209183	7.5207462	B-box 32
AT2G18690	0.002009085	7.5202786	transmembrane protein
AT1G17990	0.002053398	7.4941863	FMN-linked oxidoreductases superfamily protein
AT1G28370	0.033307839	7.4619552	ERF domain protein 11
AT3G55150	0.007156815	7.4357085	exocyst subunit exo70 family protein H1

AT1G61460	0.026004524	7.3181044	G-type lectin S-receptor-like Serine/Threonine-kinase
AT2G35710	0.024263952	7.2984118	Nucleotide-diphospho-sugar transferases superfamily protein
AT1G70170	0.009811181	7.2981719	matrix metalloproteinase
AT1G51620	0.026025145	7.2937269	Protein kinase superfamily protein
AT4G10510	0.033459284	7.2744759	Subtilase family protein
AT5G42830	0.012627645	7.2731387	HXXXD-type acyl-transferase family protein
AT3G10930	0.022125606	7.2690668	hypothetical protein
AT1G14870	0.001277544	7.1701716	PLANT CADMIUM RESISTANCE 2
AT5G05215	0.001710238	7.1524769	NA
AT1G18020	0.022237887	7.1470779	FMN-linked oxidoreductases superfamily protein
AT5G58940	0.003710237	7.1294913	calmodulin-binding receptor-like cytoplasmic kinase 1
AT1G70581	0.004633924	7.1267307	NA
AT3G08720	0.039030035	7.097712	serine/threonine protein kinase 2
AT5G06740	0.000259753	7.0968703	Concanavalin A-like lectin protein kinase family protein
AT1G17420	0.035083278	7.0901464	lipoygenase 3
AT2G25460	0.009755254	7.0806151	EEIG1/EHBP1 protein amino-terminal domain protein
AT5G01005	0.003092393	7.0562501	NA
AT3G17700	0.016360728	7.040544	cyclic nucleotide-binding transporter 1
AT2G35980	0.000282821	7.0150887	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT5G22250	0.000386363	6.968975	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein
AT4G39890	0.019025171	6.9564273	RAB GTPase homolog H1C
AT3G47090	0.001800935	6.933876	Leucine-rich repeat protein kinase family protein
AT1G62300	0.013328341	6.8439189	WRKY family transcription factor
AT5G43520	0.013606489	6.8202392	Cysteine/Histidine-rich C1 domain family protein
AT2G23680	0.012563042	6.7652216	Cold acclimation protein WCOR413 family
AT2G40140	0.008732937	6.7530762	zinc finger (CCCH-type) family protein
AT5G49780	0.003368321	6.6921785	Leucine-rich repeat protein kinase family protein
AT1G71400	0.000011150	6.6666551	receptor like protein 12
AT2G26190	0.006900504	6.6376164	calmodulin-binding family protein
AT1G07000	0.031371605	6.6152032	exocyst subunit exo70 family protein B2
AT2G44490	0.005423182	6.6119582	Glycosyl hydrolase superfamily protein
AT2G13800	0.016930440	6.5474524	somatic embryogenesis receptor-like kinase 5
AT3G26910	0.005643342	6.5451468	hydroxyproline-rich glycoprotein family protein

AT4G30430	0.001668922	6.5321989	tetraspanin9
AT2G39650	0.021072973	6.4877938	cruciferin (DUF506)
AT4G19370	0.017575661	6.4838869	chitin synthase%2C putative (DUF1218)
AT4G31550	0.013460930	6.4398992	WRKY DNA-binding protein 11
AT2G20960	0.005019869	6.4259509	phospholipase-like protein (PEARLI 4) family protein
AT1G69930	0.038242512	6.3515495	glutathione S-transferase TAU 11
AT1G73805	0.000646213	6.347855	Calmodulin binding protein-like protein
AT2G01180	0.014532669	6.3398508	phosphatidic acid phosphatase 1
AT2G39518	0.000450986	6.3217364	Uncharacterized protein family (UPF0497)
AT3G52450	0.005703181	6.3152395	plant U-box 22
AT1G21130	0.009651276	6.2811679	O-methyltransferase family protein
AT2G17060	0.038166406	6.2770284	Disease resistance protein (TIR-NBS-LRR class) family
AT1G74650	0.018774293	6.2687795	myb domain protein 31
AT3G45440	0.004026072	6.2626398	Concanavalin A-like lectin protein kinase family protein
AT5G38210	0.013576772	6.2255317	Protein kinase family protein
AT4G02410	0.000801002	6.2074602	Concanavalin A-like lectin protein kinase family protein
AT3G50260	0.014369713	6.2070293	cooperatively regulated by ethylene and jasmonate 1
AT3G09020	0.007294852	6.1924712	alpha 1%2C4-glycosyltransferase family protein
AT5G41100	0.008297699	6.1445237	hydroxyproline-rich glycoprotein family protein
AT1G57630	0.017564940	6.1165583	Toll-Interleukin-Resistance (TIR) domain family protein
AT1G64065	0.045233298	6.1037998	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT5G08990	0.028025501	6.0985265	NA
AT4G22690	0.015299772	6.0783843	cytochrome P450%2C family 706%2C subfamily A%2C polypeptide 1
AT4G27280	0.015289526	6.076886	Calcium-binding EF-hand family protein
AT3G52748	0.020435293	6.0545124	NA
AT4G28350	0.000034828	5.9590245	Concanavalin A-like lectin protein kinase family protein
AT1G74590	0.020130169	5.9548071	glutathione S-transferase TAU 10
AT1G30190	0.045382373	5.936852	cotton fiber protein
AT2G33710	0.034066850	5.9224696	Integrase-type DNA-binding superfamily protein
AT5G04340	0.003651715	5.9135136	
AT1G57990	0.017706996	5.885937	purine permease 18
AT3G49570	0.004070740	5.8597601	response to low sulfur 3
AT4G20830	0.009504923	5.8542424	FAD-binding Berberine family protein

AT1G72920	0.012727062	5.8484201	Toll-Interleukin-Resistance (TIR) domain family protein
AT2G40180	0.031982190	5.8427041	phosphatase 2C5
AT5G64900	0.031038274	5.8398455	precursor of peptide 1
AT4G11521	0.016604856	5.8341808	Receptor-like protein kinase-related family protein
AT4G29780	0.005252573	5.8115708	nuclease
AT1G73810	0.033214999	5.8011594	Core-2/I-branching beta-1%2C6-N-acetylglucosaminyltransferase family protein
AT2G24160	0.002977793	5.7885811	NA
AT5G25920	0.031543488	5.7882435	hypothetical protein
AT3G03030	0.019612814	5.7525311	F-box/RNI-like superfamily protein
AT1G28190	0.009702870	5.7452198	hypothetical protein
AT1G51800	0.018877067	5.7290079	Leucine-rich repeat protein kinase family protein
AT1G61340	0.031257011	5.68715	F-box family protein
AT3G07600	0.001138300	5.6843019	Heavy metal transport/detoxification superfamily protein
AT3G52520	0.025731294	5.6728876	hypothetical protein
AT5G47960	0.000046245	5.6557327	RAB GTPase homolog A4C
AT2G46400	0.003437773	5.630173	WRKY DNA-binding protein 46
AT4G08850	0.007403460	5.6274785	Leucine-rich repeat receptor-like protein kinase family protein
AT3G43840	0.024072757	5.6027875	3-oxo-5-alpha-steroid 4-dehydrogenase family protein
AT5G64870	0.015613772	5.5786271	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT4G35480	0.023030389	5.560062	RING-H2 finger A3B
AT5G46080	0.013585094	5.5455839	Protein kinase superfamily protein
AT5G67310	0.002392899	5.5240747	cytochrome P450%2C family 81%2C subfamily G%2C polypeptide 1
AT1G52200	0.002327256	5.5201563	PLAC8 family protein
AT1G51850	0.002060857	5.5166135	Leucine-rich repeat protein kinase family protein
AT5G66210	0.006053963	5.5090045	calcium-dependent protein kinase 28
AT2G13790	0.012880316	5.5063076	somatic embryogenesis receptor-like kinase 4
AT1G16130	0.011747253	5.4670015	wall associated kinase-like 2
AT5G17350	0.020233132	5.4557968	hypothetical protein
AT1G14040	0.002463510	5.4488026	EXS (ERD1/XPR1/SYG1) family protein
AT3G45640	0.009639396	5.441812	mitogen-activated protein kinase 3
AT3G09010	0.019309742	5.4283386	Protein kinase superfamily protein
AT3G28850	0.004049115	5.4202794	Glutaredoxin family protein
AT1G02930	0.013053663	5.4139726	glutathione S-transferase 6

AT4G08860	0.033743541	5.4048233	NA
AT3G04210	0.024589880	5.3909405	Disease resistance protein (TIR-NBS class)
AT1G72900	0.016177218	5.3700227	Toll-Interleukin-Resistance (TIR) domain-containing protein
AT3G09345	0.029919771	5.3637388	NA
AT4G15233	0.042264266	5.3456165	ABC-2 and Plant PDR ABC-type transporter family protein
AT3G09520	0.019532588	5.3025049	exocyst subunit exo70 family protein H4
AT5G54720	0.026954202	5.2939856	Ankyrin repeat family protein
AT1G68690	0.006021838	5.2565493	Protein kinase superfamily protein
AT4G30280	0.031935964	5.2452194	xyloglucan endotransglucosylase/hydrolase 18
AT1G51700	0.012666918	5.2395318	DOF zinc finger protein 1
AT5G47910	0.007656556	5.2329468	respiratory burst oxidase homologue D
AT5G63130	0.015937775	5.2191062	Octicosapeptide/Phox/Bem1p family protein
AT3G57740	0.032073761	5.2172595	Protein kinase superfamily protein
AT5G45080	0.002418965	5.2131764	phloem protein 2-A6
AT4G31800	0.007249123	5.1909257	WRKY DNA-binding protein 18
AT2G09994	0.047582533	5.1838704	NA
AT1G33600	0.012020732	5.1831648	Leucine-rich repeat (LRR) family protein
AT4G19920	0.003604015	5.1803363	Toll-Interleukin-Resistance (TIR) domain family protein
AT5G48410	0.001909403	5.161622	glutamate receptor 1.3
AT1G55365	0.007923054	5.1604026	hypothetical protein
AT4G23550	0.005681626	5.1529162	WRKY family transcription factor
AT3G11080	0.006077188	5.1467797	receptor like protein 35
AT1G32920	0.019134363	5.1334891	hypothetical protein
AT4G01010	0.041236836	5.1007389	cyclic nucleotide-gated channel 13
AT3G45960	0.010449570	5.0910327	expansin-like A3
AT4G25719	0.006374237	5.0882625	NA
AT2G46440	0.024475519	5.0865984	cyclic nucleotide-gated channels
AT2G07713	0.044710754	5.0804685	hypothetical protein
ATMG00540	0.044710754	5.0804685	hypothetical protein
AT5G02690	0.011115665	5.0758441	hypothetical protein
AT3G19010	0.008253151	5.0712696	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase superfamily protein
AT3G23250	0.022767037	5.06633	myb domain protein 15
AT5G44568	0.009985784	5.0623065	transmembrane protein

AT5G15870	0.009953043	5.0585864	glycosyl hydrolase family 81 protein
AT2G23770	0.017463997	5.0540287	protein kinase family protein / peptidoglycan-binding LysM domain-containing protein
AT3G22125	0.015861184	5.0535678	transmembrane protein
AT3G46110	0.018007396	5.037112	UPSTREAM OF FLC-like protein (DUF966)
AT3G13650	0.000111842	5.0194417	Disease resistance-responsive (dirigent-like protein) family protein
AT1G13340	0.017985975	5.0015262	Regulator of Vps4 activity in the MVB pathway protein
AT5G48380	0.015235519	5.0013235	BAK1-interacting receptor-like kinase 1
AT3G04640	0.025056022	4.9967754	glycine-rich protein
AT4G30210	0.022433077	4.9740109	P450 reductase 2
AT1G50740	0.022913337	4.9672536	Transmembrane proteins 14C
AT3G09940	0.005499153	4.951116	monodehydroascorbate reductase
AT2G28830	0.003568230	4.9456971	armadillo/beta-catenin repeat protein
AT1G76070	0.022727392	4.9422783	hypothetical protein
AT1G69900	0.015486539	4.9179134	Actin cross-linking protein
AT3G11820	0.014611864	4.9065416	syntaxin of plants 121
AT2G46940	0.015554079	4.8662408	fold protein
AT4G29740	0.013727897	4.84551	cytokinin oxidase 4
AT3G52430	0.000027356	4.8241054	alpha/beta-Hydrolases superfamily protein
AT3G16720	0.011819462	4.8008003	TOXICOS EN LEVADURA 2
AT1G56140	0.009886797	4.7980931	Leucine-rich repeat transmembrane protein kinase
AT3G13435	0.005765897	4.790351	transmembrane protein
AT4G27980	0.007973740	4.7809831	trichohyalin-like protein (DUF3444)
AT1G06867	0.018126507	4.7751105	NA
AT3G09405	0.038163593	4.7648204	Pectinacetylerase family protein
AT4G12720	0.032592216	4.7528761	MutT/nudix family protein
AT4G00970	0.000287843	4.7427007	cysteine-rich RLK (RECEPTOR-like protein kinase) 41
AT5G22690	0.048318933	4.7366647	Disease resistance protein (TIR-NBS-LRR class) family
AT5G01881	0.009382212	4.7355745	transmembrane protein
AT1G42990	0.012532585	4.72172	basic region/leucine zipper motif 60
AT5G64660	0.006340683	4.7070921	CYS%2C MET%2C PRO%2C and GLY protein 2
AT1G14480	0.030661792	4.7047496	Ankyrin repeat family protein
AT1G65690	0.004113638	4.6686346	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT3G59700	0.000058398	4.654639	lectin-receptor kinase

AT3G46090	0.027424895	4.6420717	C2H2 and C2HC zinc fingers superfamily protein
AT4G19520	0.017048770	4.6346933	disease resistance protein (TIR-NBS-LRR class) family
AT2G36220	0.019344542	4.6316867	hypothetical protein
AT1G53980	0.002792426	4.6224444	Ubiquitin-like superfamily protein
AT1G30740	0.006579790	4.6085747	FAD-binding Berberine family protein
AT3G61280	0.014759537	4.6010272	O-glucosyltransferase rumi-like protein (DUF821)
AT5G06775	0.030739758	4.582897	NA
AT4G16957	0.013934123	4.5631868	SUPPRESSOR OF%2C CONSTITUTIVE protein
AT5G61560	0.048569524	4.5625097	U-box domain-containing protein kinase family protein
AT5G06230	0.049712513	4.562494	TRICHOME BIREFRINGENCE-LIKE 9
AT1G20823	0.006845159	4.5590004	RING/U-box superfamily protein
AT5G64310	0.013253048	4.5557536	arabinogalactan protein 1
AT4G11850	0.012749352	4.5544957	phospholipase D gamma 1
AT1G11050	0.002889989	4.5354117	Protein kinase superfamily protein
AT2G19130	0.010968625	4.5101153	S-locus lectin protein kinase family protein
AT3G54420	0.000195973	4.4982047	homolog of carrot EP3-3 chitinase
AT5G66670	0.000170558	4.4889354	pectinesterase%2C putative (DUF677)
AT5G10410	0.005806274	4.4718902	ENTH/ANTH/VHS superfamily protein
AT1G33610	0.020319620	4.4686	Leucine-rich repeat (LRR) family protein
AT3G44260	0.011638700	4.4659476	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein
AT5G49520	0.000035011	4.4551932	WRKY DNA-binding protein 48
AT5G46520	0.013141472	4.4420482	Disease resistance protein (TIR-NBS-LRR class) family
AT1G28380	0.013033625	4.4353993	MAC/Perforin domain-containing protein
AT5G66675	0.001818015	4.4249912	transmembrane protein%2C putative (DUF677)
AT1G69890	0.029120912	4.4082858	actin cross-linking protein (DUF569)
AT3G57640	0.034556519	4.4056586	Protein kinase superfamily protein
AT4G01700	0.030158007	4.4049317	Chitinase family protein
AT3G13100	0.020057103	4.3960561	multidrug resistance-associated protein 7
AT1G01480	0.045887850	4.3836803	1-amino-cyclopropane-1-carboxylate synthase 2
AT1G25390	0.013346557	4.3799335	Protein kinase superfamily protein
AT5G46500	0.035035578	4.3756463	protein VARIATION IN COMPOUND TRIGGERED ROOT growth protein
AT2G39210	0.018840416	4.3672814	Major facilitator superfamily protein
AT4G39570	0.039833472	4.3666455	Galactose oxidase/kelch repeat superfamily protein



AT3G45650	0.014807105	4.3626276	nitrate excretion transporter1
AT3G42883	0.034700278	4.3597325	NA
AT2G28400	0.040828477	4.3507117	senescence regulator (Protein of unknown function%2C DUF584)
AT1G29690	0.008357119	4.3311796	MAC/Perforin domain-containing protein
AT3G13437	0.005985071	4.3265019	transmembrane protein
AT5G54860	0.023770565	4.2857134	Major facilitator superfamily protein
AT5G39580	0.015625328	4.2837099	Peroxidase superfamily protein
AT4G26120	0.000122399	4.2745652	Ankyrin repeat family protein / BTB/POZ domain-containing protein
AT4G34390	0.023213554	4.270526	extra-large GTP-binding protein 2
AT5G49770	0.036467717	4.2625795	Leucine-rich repeat protein kinase family protein
AT5G35580	0.000196584	4.2596882	Protein kinase superfamily protein
AT5G67420	0.000721429	4.2464808	LOB domain-containing protein 37
AT4G40080	0.021049683	4.2394222	ENTH/ANTH/VHS superfamily protein
AT5G46910	0.028641606	4.2390276	Transcription factor jumonji (jmj) family protein / zinc finger (C5HC2 type) family protein
AT4G34150	0.009867269	4.2383161	Calcium-dependent lipid-binding (CaLB domain) family protein
AT3G50190	0.000263807	4.2326758	transmembrane protein%2C putative (DUF247)
AT5G40170	0.000757840	4.2314651	receptor like protein 54
AT4G01250	0.018035717	4.228498	WRKY family transcription factor
AT2G47130	0.000001488	4.227374	NAD(P)-binding Rossmann-fold superfamily protein
AT1G17240	0.015653577	4.2239434	receptor like protein 2
AT5G12880	0.037494161	4.2174439	proline-rich family protein
AT4G10990	0.021435991	4.215887	NA
AT1G30730	0.014110020	4.2089427	FAD-binding Berberine family protein
AT1G23710	0.035983944	4.1928068	hypothetical protein (DUF1645)
AT3G12720	0.049321557	4.1905431	myb domain protein 67
AT4G18880	0.005131396	4.1880774	heat shock transcription factor A4A
AT2G23320	0.012862270	4.187976	WRKY DNA-binding protein 15
AT1G61800	0.000562563	4.1878366	glucose-6-phosphate/phosphate translocator 2
AT1G72280	0.014521556	4.1800705	endoplasmic reticulum oxidoreductins 1
AT5G64120	0.004309729	4.1777741	Peroxidase superfamily protein
AT4G21840	0.029479205	4.1773814	methionine sulfoxide reductase B8
AT2G33580	0.013583741	4.1739227	Protein kinase superfamily protein
AT3G06890	0.008988873	4.1633247	transmembrane protein

AT3G57450	0.046245245	4.1601675	hypothetical protein
AT1G67470	0.019704933	4.1268861	Protein kinase superfamily protein
AT1G16110	0.008825303	4.1130532	wall associated kinase-like 6
AT1G61370	0.000105879	4.1092582	S-locus lectin protein kinase family protein
AT4G23030	0.041618572	4.0955747	MATE efflux family protein
AT4G04505	0.015297171	4.0845365	NA
AT3G08760	0.001865788	4.0697121	Protein kinase superfamily protein
AT1G50310	0.012118201	4.0566729	sugar transporter 9
AT5G67080	0.036717172	4.0310742	mitogen-activated protein kinase kinase kinase 19
AT5G42010	0.002413383	4.0297785	Transducin/WD40 repeat-like superfamily protein
AT3G26980	0.036356814	4.0266767	membrane-anchored ubiquitin-fold protein 4 precursor
AT5G12930	0.014104046	4.0243697	inactive rhomboid protein
AT2G31990	0.025313950	4.0115909	Exostosin family protein
AT5G26030	0.006553103	4.0112942	ferrochelatase 1
AT5G66620	0.024594150	3.9981414	DA1-related protein 6
AT3G13090	0.018800248	3.9953472	multidrug resistance-associated protein 8
AT3G50950	0.011453885	3.9892609	HOPZ-ACTIVATED RESISTANCE 1
AT1G59590	0.029353996	3.9892427	ZCF37
AT1G70140	0.023265710	3.988587	formin 8
AT4G27970	0.027839092	3.9860661	SLAC1 homologue 2
AT5G61010	0.001888990	3.9811372	exocyst subunit exo70 family protein E2
AT1G15890	0.005307415	3.9776669	Disease resistance protein (CC-NBS-LRR class) family
AT1G64610	0.000109411	3.9754301	Transducin/WD40 repeat-like superfamily protein
AT1G56540	0.023813574	3.9703446	Disease resistance protein (TIR-NBS-LRR class) family
AT4G23015	0.012736452	3.9672207	transmembrane protein
AT1G11310	0.012224071	3.9635259	Seven transmembrane MLO family protein
AT1G21100	0.008222066	3.9517437	O-methyltransferase family protein
AT4G39030	0.004328571	3.9425592	MATE efflux family protein
AT1G09940	0.048836002	3.9287037	Glutamyl-tRNA reductase family protein
AT1G23830	0.000943966	3.9257731	transmembrane protein
AT2G38870	0.020495345	3.9232989	Serine protease inhibitor%2C potato inhibitor I-type family protein
AT2G32210	0.034109126	3.9164629	cysteine-rich/transmembrane domain A-like protein
AT2G26410	0.011565424	3.9152417	IQ-domain 4

AT1G59910	0.018603643	3.9141485	Actin-binding FH2 (formin homology 2) family protein
AT5G44063	0.027362963	3.9014283	hypothetical protein
AT1G65510	0.018742198	3.8947302	transmembrane protein
AT1G15190	0.038553059	3.8878956	Fasciclin-like arabinogalactan family protein
AT1G16120	0.017060551	3.8851096	wall associated kinase-like 1
AT2G42350	0.002164130	3.8822637	RING/U-box superfamily protein
AT1G07620	0.004891887	3.8763994	GTP-binding protein Obg/CgtA
AT3G21630	0.002513280	3.8739796	chitin elicitor receptor kinase 1
AT1G27770	0.014947229	3.8663966	autoinhibited Ca <sup>2+</sup> -ATPase 1
AT3G51450	0.034057550	3.8655764	Calcium-dependent phosphotriesterase superfamily protein
AT2G07661	0.015341249	3.8653103	hypothetical protein
AT1G73010	0.012961546	3.8627963	inorganic pyrophosphatase 1
AT5G05190	0.011360579	3.8607753	hypothetical protein (DUF3133)
AT4G11300	0.014792933	3.8596611	ROH1%2C putative (DUF793)
AT3G01140	0.046841181	3.8561877	myb domain protein 106
AT5G44820	0.021673385	3.851325	Nucleotide-diphospho-sugar transferase family protein
AT1G53633	0.018914852	3.8439772	hypothetical protein
AT2G03530	0.004928458	3.8421553	ureide permease 2
AT1G19180	0.027110234	3.8263439	jasmonate-zim-domain protein 1
AT3G55950	0.020289932	3.7974332	CRINKLY4 related 3
AT5G59730	0.016310021	3.7902383	exocyst subunit exo70 family protein H7
AT4G07165	0.043236779	3.7883011	NA
AT3G10815	0.007476954	3.7824464	RING/U-box superfamily protein
AT4G18170	0.006054516	3.7723728	WRKY DNA-binding protein 28
AT5G03380	0.010836800	3.7684605	Heavy metal transport/detoxification superfamily protein
AT1G78860	0.014363824	3.7655762	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain-containing protein
AT3G18690	0.015038307	3.7525154	MAP kinase substrate 1
AT1G23840	0.001995977	3.749108	transmembrane protein
AT1G66880	0.000572470	3.7483465	Protein kinase superfamily protein
AT3G47820	0.000558829	3.7386905	PLANT U-BOX 39
AT5G39000	0.000696193	3.7187533	Malectin/receptor-like protein kinase family protein
AT1G03370	0.007759657	3.7141042	C2 calcium/lipid-binding and GRAM domain containing protein
AT2G46620	0.012940830	3.7049456	P-loop containing nucleoside triphosphate hydrolases superfamily protein

AT5G65300	0.024718127	3.6950869	hypothetical protein
AT5G36920	0.007658773	3.6943744	transmembrane protein
AT4G23130	0.002002591	3.670554	cysteine-rich RLK (RECEPTOR-like protein kinase) 5
AT3G50760	0.026164171	3.6686544	galacturonosyltransferase-like 2
AT1G03220	0.013638877	3.6574749	Eukaryotic aspartyl protease family protein
AT1G59865	0.028545082	3.6530435	transmembrane protein
AT3G47570	0.001170984	3.6475321	Leucine-rich repeat protein kinase family protein
AT3G16860	0.029301590	3.6364134	COBRA-like protein 8 precursor
AT5G52830	0.003358105	3.6353167	WRKY DNA-binding protein 27
AT1G63750	0.002031567	3.6314788	Disease resistance protein (TIR-NBS-LRR class) family
AT5G11920	0.004682260	3.6089569	6-%261-fructan exohydrolase
AT4G12120	0.025726986	3.5990106	Sec1/munc18-like (SM) proteins superfamily
AT1G72960	0.039597776	3.5978175	Root hair defective 3 GTP-binding protein (RHD3)
AT4G29050	0.003192210	3.5977495	Concanavalin A-like lectin protein kinase family protein
AT3G08710	0.009989930	3.5935078	thioredoxin H-type 9
AT3G08870	0.001419118	3.5918495	Concanavalin A-like lectin protein kinase family protein
AT2G07825	0.037004660	3.5760376	hypothetical protein
AT1G67800	0.000952058	3.5709688	Copine (Calcium-dependent phospholipid-binding protein) family
AT5G66070	0.033057071	3.560473	RING/U-box superfamily protein
AT2G35000	0.014831318	3.5589847	RING/U-box superfamily protein
AT1G13530	0.003730549	3.5579727	hypothetical protein (DUF1262)
AT2G31230	0.008398540	3.5444823	ethylene-responsive element binding factor 15
AT1G53990	0.000525252	3.5435748	GDSL-motif lipase 3
AT5G07390	0.001064704	3.5329156	respiratory burst oxidase homolog A
AT4G18430	0.020818221	3.532416	RAB GTPase homolog A1E
AT2G31945	0.025288177	3.5263183	transmembrane protein
AT5G52320	0.046790464	3.5166016	cytochrome P450%2C family 96%2C subfamily A%2C polypeptide 4
AT5G23000	0.000655099	3.5062265	myb domain protein 37
AT5G46510	0.015167199	3.502302	Disease resistance protein (TIR-NBS-LRR class) family
AT5G02290	0.011081671	3.4998063	Protein kinase superfamily protein
AT1G30420	0.012943222	3.4966565	multidrug resistance-associated protein 12
AT1G27020	0.015156714	3.495528	plant/protein
AT1G14370	0.008242494	3.494642	protein kinase 2A

AT1G16670	0.014083531	3.4742102	Protein kinase superfamily protein
AT4G22470	0.009113359	3.4690641	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
AT3G59080	0.006298129	3.4598809	Eukaryotic aspartyl protease family protein
AT1G61420	0.019074009	3.4598656	S-locus lectin protein kinase family protein
AT5G08790	0.006032413	3.4507861	NAC (No Apical Meristem) domain transcriptional regulator superfamily protein
AT2G44340	0.023841058	3.4501258	VQ motif-containing protein
AT5G52200	0.003913226	3.449517	phosphoprotein phosphatase inhibitor
AT2G02310	0.048390150	3.44873	phloem protein 2-B6
AT1G03920	0.033384077	3.4438303	Protein kinase family protein
AT3G46080	0.000987466	3.4418083	C2H2-type zinc finger family protein
AT4G01950	0.001529995	3.4417698	glycerol-3-phosphate acyltransferase 3
AT2G24570	0.002893305	3.4385546	WRKY DNA-binding protein 17
AT2G30750	0.028785483	3.4384509	cytochrome P450 family 71 polypeptide
AT2G41100	0.010249349	3.4326015	Calcium-binding EF hand family protein
AT1G51790	0.000247747	3.4301625	Leucine-rich repeat protein kinase family protein
AT1G03740	0.015860472	3.4088547	Protein kinase superfamily protein
AT1G19415	0.020868003	3.3889452	NA
AT2G15480	0.003923461	3.3850674	UDP-glucosyl transferase 73B5
AT1G66160	0.005820002	3.3696006	CYS%2C MET%2C PRO%2C and GLY protein 1
AT2G36690	0.014334913	3.3681061	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase superfamily protein
AT2G47060	0.012040988	3.3612823	Protein kinase superfamily protein
AT2G36770	0.003166198	3.3591447	UDP-Glycosyltransferase superfamily protein
AT2G41880	0.042162640	3.3470147	guanylate kinase 1
AT5G44900	0.043832546	3.3373346	Toll-Interleukin-Resistance (TIR) domain family protein
AT4G23270	0.002449863	3.3372373	cysteine-rich RLK (RECEPTOR-like protein kinase) 19
AT4G17615	0.016918670	3.3356649	calcineurin B-like protein 1
AT3G13020	0.013556182	3.3263308	hAT transposon superfamily protein
AT2G32240	0.037413986	3.3255121	early endosome antigen
AT5G53990	0.031889710	3.3211185	UDP-Glycosyltransferase superfamily protein
AT1G74330	0.016001526	3.3207948	Protein kinase superfamily protein
AT4G02330	0.000210679	3.3196731	Plant invertase/pectin methylesterase inhibitor superfamily
AT5G06320	0.011624274	3.3183789	NDR1/HIN1-like 3
AT2G22890	0.032906401	3.3051401	Kua-ubiquitin conjugating enzyme hybrid localization domain-containing protein

AT3G46280	0.017468898	3.3012585	kinase-like protein
AT5G44582	0.019240182	3.2978627	hypothetical protein
AT5G13210	0.033258129	3.2886071	Uncharacterized conserved protein UCP015417%2C vWA
AT1G58561	0.000068842	3.2809287	NA
AT1G56510	0.018652260	3.2693357	Disease resistance protein (TIR-NBS-LRR class)
AT5G46350	0.009589942	3.2541669	WRKY DNA-binding protein 8
AT4G14220	0.000301073	3.2461981	RING-H2 group F1A
AT1G08930	0.007822532	3.2371376	Major facilitator superfamily protein
AT1G19770	0.019260148	3.2370569	purine permease 14
AT1G64710	0.002482593	3.2353005	GroES-like zinc-binding alcohol dehydrogenase family protein
AT2G41380	0.000638293	3.2255441	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT3G51920	0.002696275	3.2134471	calmodulin 9
AT1G17750	0.027139260	3.2130079	PEP1 receptor 2
AT2G07644	0.048682973	3.2113063	hypothetical protein
AT1G30620	0.013816819	3.2086559	NAD(P)-binding Rossmann-fold superfamily protein
AT1G08050	0.027254238	3.2041199	Zinc finger (C3HC4-type RING finger) family protein
AT5G42440	0.004004561	3.1986598	Protein kinase superfamily protein
AT1G19380	0.010184461	3.1919845	sugar%2C putative (DUF1195)
AT2G47550	0.014617996	3.1897188	Plant invertase/pectin methylesterase inhibitor superfamily
AT1G70530	0.001407442	3.1884479	cysteine-rich RLK (RECEPTOR-like protein kinase) 3
AT3G23010	0.048689348	3.1808623	receptor like protein 36
AT5G24240	0.000478313	3.1805585	phosphatidylinositol 4-kinase gamma-like protein
AT5G18470	0.002624274	3.1803855	Curculin-like (mannose-binding) lectin family protein
AT3G63350	0.000794651	3.1782358	winged-helix DNA-binding transcription factor family protein
AT1G64010	0.000111250	3.1762426	Serine protease inhibitor (SERPIN) family protein
AT5G44060	0.023329458	3.1693563	embryo sac development arrest protein
AT1G63720	0.003563146	3.1642542	hydroxyproline-rich glycoprotein family protein
AT3G50470	0.022229695	3.163556	homolog of RPW8 3
AT1G65845	0.030961175	3.1630671	transmembrane protein
AT4G04700	0.012183034	3.1536116	calcium-dependent protein kinase 27
AT2G02380	0.035116416	3.1523014	glutathione S-transferase (class zeta) 2
AT2G17120	0.012061273	3.1476029	lysm domain GPI-anchored protein 2 precursor
AT1G34420	0.001396886	3.1439434	leucine-rich repeat transmembrane protein kinase family protein

AT5G38212	0.005542884	3.136002	NA
AT1G78850	0.014312114	3.1302437	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain-containing protein
AT3G22060	0.021316759	3.1299623	Receptor-like protein kinase-related family protein
AT4G24160	0.024656932	3.1279868	alpha/beta-Hydrolases superfamily protein
AT4G34180	0.009383088	3.125875	Cyclase family protein
AT1G72940	0.002388067	3.1124943	Toll-Interleukin-Resistance (TIR) domain-containing protein
AT3G28210	0.002504269	3.1042136	zinc finger (AN1-like) family protein
AT1G51670	0.031674077	3.1016206	hypothetical protein
AT5G66310	0.005768036	3.1009168	ATP binding microtubule motor family protein
AT4G29770	0.035848175	3.0930991	target of trans acting-siR480/255 protein
AT5G40540	0.020954951	3.0914694	Protein kinase superfamily protein
AT3G57210	0.048910096	3.087617	hypothetical protein
AT2G47190	0.016801171	3.0865514	myb domain protein 2
AT1G72910	0.015561200	3.0697379	Toll-Interleukin-Resistance (TIR) domain-containing protein
AT4G11230	0.039228484	3.0690038	Riboflavin synthase-like superfamily protein
AT1G05000	0.012406643	3.0653381	Phosphotyrosine protein phosphatases superfamily protein
AT5G59550	0.024638313	3.0518975	zinc finger (C3HC4-type RING finger) family protein
AT3G45660	0.009777852	3.0518302	Major facilitator superfamily protein
AT3G06490	0.024210645	3.0467895	myb domain protein 108
AT3G49530	0.001850885	3.0454821	NAC domain containing protein 62
AT5G66650	0.043331775	3.0384504	calcium uniporter (DUF607)
AT4G02200	0.018423402	3.0378041	Drought-responsive family protein
AT4G38545	0.031917234	3.0354056	NA
AT4G36550	0.001380143	3.021784	ARM repeat superfamily protein
AT4G14610	0.002114096	3.0211017	NA
AT4G23250	0.041454446	3.0063622	cysteine-rich receptor-like protein kinase 17
AT2G04500	0.006723240	3.00625	Cysteine/Histidine-rich C1 domain family protein
AT3G28340	0.011809205	3.0050169	galacturonosyltransferase-like 10
AT1G65486	0.022366432	3.002708	transmembrane protein
AT5G57035	0.022868099	3.001761	U-box domain-containing protein kinase family protein
AT2G23810	0.001838018	2.9995967	tetraspanin8
AT1G71697	0.019350709	2.9973714	choline kinase 1
AT2G44380	0.000654123	2.9889649	Cysteine/Histidine-rich C1 domain family protein

AT5G61210	0.016980066	2.9860418	soluble N-ethylmaleimide-sensitive factor adaptor protein 33
AT2G07715	0.039879507	2.981147	Nucleic acid-binding%2C OB-fold-like protein
AT4G11330	0.003200783	2.9810552	MAP kinase 5
AT3G62780	0.049217713	2.9800063	Calcium-dependent lipid-binding (CaLB domain) family protein
AT1G66500	0.006502991	2.979618	Pre-mRNA cleavage complex II
AT3G26680	0.002431119	2.9760051	DNA repair metallo-beta-lactamase family protein
AT1G74080	0.013475329	2.9748573	myb domain protein 122
AT4G13395	0.046721421	2.9653446	ROTUNDIFOLIA like 12
AT1G72930	0.001928502	2.9549795	toll/interleukin-1 receptor-like protein
AT5G59820	0.021713590	2.9523093	C2H2-type zinc finger family protein
AT1G79245	0.005339571	2.9461785	NA
AT3G47540	0.015563491	2.936204	Chitinase family protein
AT5G01950	0.016480964	2.9306773	Leucine-rich repeat protein kinase family protein
AT1G53430	0.000741474	2.9235301	Leucine-rich repeat transmembrane protein kinase
AT1G18860	0.019352284	2.9203872	WRKY DNA-binding protein 61
AT3G21080	0.003750506	2.9197454	ABC transporter-like protein
AT4G24110	0.015662625	2.9164641	NADP-specific glutamate dehydrogenase
AT1G76600	0.026017210	2.9149337	poly polymerase
AT2G18150	0.009669967	2.907734	Peroxidase superfamily protein
AT4G25900	0.001135680	2.8865196	Galactose mutarotase-like superfamily protein
AT5G38990	0.019955043	2.8835762	Malectin/receptor-like protein kinase family protein
AT3G01513	0.013376274	2.882072	hypothetical protein
AT5G40460	0.017796941	2.8773407	cyclin-dependent kinase inhibitor SMR3-like protein
AT1G22280	0.015853592	2.8716447	phytochrome-associated protein phosphatase type 2C
AT1G03230	0.025224185	2.8629198	Eukaryotic aspartyl protease family protein
AT5G60320	0.002723868	2.860754	Concanavalin A-like lectin protein kinase family protein
AT1G30720	0.002244839	2.8598357	FAD-binding Berberine family protein
AT3G45080	0.042106573	2.8543643	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT5G13190	0.034504334	2.8474508	GSH-induced LITAF domain protein
AT5G03210	0.024682048	2.8429136	E3 ubiquitin-protein ligase
AT2G41730	0.030646968	2.835696	calcium-binding site protein
AT5G08240	0.010540535	2.832766	transmembrane protein
AT4G33040	0.047327963	2.8324862	Thioredoxin superfamily protein



AT3G09032	0.041726324	2.8314875	josephin-like protein
AT4G20860	0.006690582	2.8262253	FAD-binding Berberine family protein
AT3G20600	0.011396496	2.8223465	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT1G10340	0.044903440	2.8217203	Ankyrin repeat family protein
AT4G23210	0.004756118	2.8148596	cysteine-rich RLK (RECEPTOR-like protein kinase) 13
AT3G45330	0.035252710	2.8142364	Concanavalin A-like lectin protein kinase family protein
AT5G10695	0.010684804	2.8123572	methionyl-tRNA synthetase
AT5G58430	0.008911689	2.8111375	exocyst subunit exo70 family protein B1
AT4G11500	0.010896496	2.8055213	NA
AT1G72540	0.010584987	2.8034745	Protein kinase superfamily protein
AT2G15760	0.014667428	2.8034102	calmodulin-binding protein (DUF1645)
AT1G23560	0.008871865	2.8031925	OBP32pep%2C putative (DUF220)
AT5G46470	0.002522190	2.8011593	disease resistance protein (TIR-NBS-LRR class) family
AT1G09950	0.044256965	2.7960096	RESPONSE TO ABA AND SALT 1
AT4G22610	0.045841458	2.7905351	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein
AT5G39970	0.031772676	2.7904108	catalytics
AT5G41180	0.014270848	2.7839721	leucine-rich repeat transmembrane protein kinase family protein
AT1G66480	0.000489063	2.7811743	plastid movement impaired 2
AT1G59620	0.005869392	2.7781041	Disease resistance protein (CC-NBS-LRR class) family
AT3G59880	0.011477092	2.7728174	hypothetical protein
AT3G50900	0.002989835	2.7586688	hypothetical protein
AT3G25600	0.002332695	2.7571266	Calcium-binding EF-hand family protein
AT4G25390	0.017860801	2.7556897	Protein kinase superfamily protein
AT5G11670	0.006993786	2.7485091	NADP-malic enzyme 2
AT1G51860	0.006449741	2.7479545	Leucine-rich repeat protein kinase family protein
AT4G28703	0.003967636	2.744883	RmlC-like cupins superfamily protein
AT5G11650	0.010649866	2.7432921	alpha/beta-Hydrolases superfamily protein
AT1G18300	0.037808535	2.7393568	nudix hydrolase homolog 4
AT1G75000	0.024280873	2.7363645	GNS1/SUR4 membrane protein family
AT5G55560	0.018851699	2.733013	Protein kinase superfamily protein
AT4G17900	0.012368240	2.7280909	PLATZ transcription factor family protein
AT3G25510	0.002308289	2.7277113	disease resistance protein (TIR-NBS-LRR class) family protein
AT1G51660	0.029521757	2.7263387	mitogen-activated protein kinase kinase 4

AT1G73080	0.021932099	2.7250745	PEP1 receptor 1
AT5G11970	0.036279396	2.7244204	ABC family ABC transporter%2C putative (DUF3511)
AT5G02630	0.008104098	2.7132637	Lung seven transmembrane receptor family protein
AT2G41835	0.008883363	2.7099782	zinc finger (C2H2 type%2C AN1-like) family protein
AT4G39230	0.026022157	2.702085	NmrA-like negative transcriptional regulator family protein
AT3G50480	0.007081537	2.7009325	homolog of RPW8 4
AT2G02860	0.002965752	2.6963814	sucrose transporter 2
AT5G64750	0.031790353	2.6928853	Integrase-type DNA-binding superfamily protein
AT2G41010	0.006509422	2.6918569	calmodulin (CAM)-binding protein of 25 kDa
AT5G01935	0.040321662	2.6894442	NA
AT3G12040	0.011636380	2.6893333	DNA-3-methyladenine glycosylase (MAG)
AT5G54850	0.038877293	2.6860845	hexon
AT5G20480	0.003035782	2.6719758	EF-TU receptor
AT4G29570	0.045438382	2.6713036	Cytidine/deoxycytidylate deaminase family protein
AT1G80610	0.005601313	2.6605242	hypothetical protein
AT4G24380	0.028966630	2.6474603	dihydrofolate reductase
AT5G44480	0.024804205	2.643048	NAD(P)-binding Rossmann-fold superfamily protein
AT1G58410	0.000235280	2.6428189	Disease resistance protein (CC-NBS-LRR class) family
AT1G68340	0.028487402	2.6423083	hypothetical protein (DUF1639)
AT2G17220	0.023360614	2.6419548	Protein kinase superfamily protein
AT1G63830	0.002970194	2.6414908	PLAC8 family protein
AT4G38540	0.000707322	2.6365591	FAD/NAD(P)-binding oxidoreductase family protein
AT1G72950	0.025151734	2.6361911	Disease resistance protein (TIR-NBS class)
AT3G29034	0.016027024	2.6345184	transmembrane protein
AT1G80450	0.041373691	2.6320455	VQ motif-containing protein
AT5G40920	0.000160775	2.6277529	NA
AT3G03020	0.046148517	2.6274364	hypothetical protein
AT3G52800	0.001670032	2.6271282	A20/AN1-like zinc finger family protein
AT2G17705	0.012004644	2.6175532	methionine-S-oxide reductase
AT3G44630	0.006609318	2.6173598	Disease resistance protein (TIR-NBS-LRR class) family
AT3G55090	0.009068709	2.6130887	ABC-2 type transporter family protein
AT3G50140	0.000357899	2.6129792	transmembrane protein%2C putative (DUF247)
AT3G03855	0.002627845	2.6128717	NA

AT1G69810	0.002338456	2.605967	WRKY DNA-binding protein 36
AT3G15210	0.009071542	2.6049369	ethylene responsive element binding factor 4
AT3G50460	0.019619153	2.6034609	homolog of RPW8 2
AT3G13430	0.048989914	2.598954	RING/U-box superfamily protein
AT1G31540	0.004696860	2.5986846	Disease resistance protein (TIR-NBS-LRR class) family
AT5G59270	0.005689885	2.5972251	Concanavalin A-like lectin protein kinase family protein
AT5G66480	0.030589563	2.5970144	bacteriophage N4 adsorption B protein
AT4G23200	0.015556749	2.5940489	cysteine-rich RLK (RECEPTOR-like protein kinase) 12
AT1G70740	0.012277324	2.5935506	Protein kinase superfamily protein
AT5G01640	0.004397273	2.5879185	prenylated RAB acceptor 1.B5
AT5G62570	0.016861960	2.5854835	Calmodulin binding protein-like protein
AT5G66630	0.030214264	2.5849576	DA1-related protein 5
AT5G41835	0.032890364	2.5821516	NA
AT4G37030	0.021627308	2.581325	membrane protein
AT3G28940	0.003431421	2.5790558	AlG2-like (avirulence induced gene) family protein
AT3G25900	0.046291631	2.5753181	Homocysteine S-methyltransferase family protein
AT1G20515	0.037599332	2.5747152	NA
AT2G16870	0.036273134	2.5718406	Disease resistance protein (TIR-NBS-LRR class) family
AT5G20230	0.001416862	2.571025	blue-copper-binding protein
AT3G55450	0.001279556	2.5699324	PBS1-like 1
AT5G64530	0.010416937	2.5696132	xylem NAC domain 1
AT5G25170	0.027736246	2.5693408	PPPDE putative thiol peptidase family protein
AT3G57760	0.021518150	2.5691656	Protein kinase superfamily protein
AT4G02380	0.010725316	2.5653724	senescence-associated gene 21
AT3G12740	0.008630707	2.5580352	ALA-interacting subunit 1
AT3G44400	0.008190057	2.5561145	Disease resistance protein (TIR-NBS-LRR class) family
AT5G03700	0.005549342	2.5484884	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain-containing protein
AT3G57550	0.005726381	2.540241	guanylate kinase
AT5G44575	0.001918224	2.53978	hypothetical protein
AT3G53810	0.001741217	2.5389983	Concanavalin A-like lectin protein kinase family protein
AT1G15530	0.032119584	2.537334	Concanavalin A-like lectin protein kinase family protein
AT1G77500	0.016699897	2.5357001	DUF630 family protein%2C putative (DUF630 and DUF632)
AT3G49350	0.000062795	2.5335788	Ypt/Rab-GAP domain of gyp1p superfamily protein

AT3G09870	0.026130202	2.5305153	SAUR-like auxin-responsive protein family
AT4G18890	0.037744911	2.5217952	BES1/BZR1 homolog 3
AT5G19230	0.001611039	2.5174902	Glycoprotein membrane precursor GPI-anchored
AT4G04490	0.006693802	2.5173742	cysteine-rich RLK (RECEPTOR-like protein kinase) 36
AT5G16170	0.020185313	2.5152446	Core-2/I-branching beta-1%2C6-N-acetylglucosaminyltransferase family protein
AT1G75860	0.048811509	2.5141281	DNA ligase
AT1G53440	0.005393561	2.5109465	Leucine-rich repeat transmembrane protein kinase
AT2G46750	0.007136448	2.5073562	D-arabinono-1%2C4-lactone oxidase family protein
AT1G21010	0.038911557	2.5056893	poly polymerase
AT3G60415	0.025074269	2.5037308	phosphoglycerate mutase family protein
AT2G41082	0.011131976	2.5022929	hypothetical protein
AT5G04870	0.004184001	2.5007843	calcium dependent protein kinase 1
AT5G46330	0.003476942	2.49867	Leucine-rich receptor-like protein kinase family protein
AT2G39660	0.006709539	2.4981652	botrytis-induced kinase1
AT5G62070	0.002607138	2.4948645	IQ-domain 23
AT1G76700	0.005432792	2.4932679	DNAJ heat shock N-terminal domain-containing protein
AT1G03730	0.012546369	2.4902911	pyrroline-5-carboxylate reductase
AT4G14680	0.030614468	2.4872479	Pseudouridine synthase/archaeosine transglycosylase-like family protein
AT4G33060	0.022249828	2.4835583	Cyclophilin-like peptidyl-prolyl cis-trans isomerase family protein
AT3G59310	0.005447591	2.4829939	solute carrier family 35 protein (DUF914)
AT4G01740	0.003995537	2.4815129	Cysteine/Histidine-rich C1 domain family protein
AT2G13900	0.009142728	2.480479	Cysteine/Histidine-rich C1 domain family protein
AT2G46160	0.008076219	2.4792123	RING/U-box superfamily protein
AT2G28940	0.025009729	2.478774	Protein kinase superfamily protein
AT4G01090	0.011109185	2.4744052	hypothetical protein (DUF3133)
AT5G47220	0.009292996	2.4736888	ethylene responsive element binding factor 2
AT1G70520	0.007245235	2.4732921	cysteine-rich RLK (RECEPTOR-like protein kinase) 2
AT2G19710	0.018358407	2.4726974	Regulator of Vps4 activity in the MVB pathway protein
AT3G26210	0.016888883	2.4714621	cytochrome P450%2C family 71%2C subfamily B%2C polypeptide 23
AT1G35710	0.042810072	2.4681278	kinase family with leucine-rich repeat domain-containing protein
AT1G69840	0.011170783	2.4659964	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT1G67060	0.006932643	2.4590444	peptidase M50B-like protein
AT4G23010	0.003651607	2.4567229	UDP-galactose transporter 2

AT4G22980	0.000912668	2.4532632	molybdenum cofactor sulfurase-like protein
AT1G55920	0.005698522	2.4495681	serine acetyltransferase 2%3B1
AT4G34460	0.022546381	2.4400462	GTP binding protein beta 1
AT1G63740	0.018262689	2.435703	Disease resistance protein (TIR-NBS-LRR class) family
AT4G24970	0.013739700	2.4317627	Histidine kinase-%2C DNA gyrase B-%2C and HSP90-like ATPase family protein
AT2G30020	0.000681193	2.4310426	Protein phosphatase 2C family protein
AT2G40000	0.010460035	2.4250885	ortholog of sugar beet HS1 PRO-1 2
AT5G42050	0.008175576	2.4194597	DCD (Development and Cell Death) domain protein
AT5G55090	0.004244206	2.4186653	mitogen-activated protein kinase kinase kinase 15
AT4G32300	0.005554152	2.4176044	S-domain-2 5
AT2G32190	0.021022495	2.4172399	cysteine-rich/transmembrane domain A-like protein
AT2G39420	0.004670622	2.4160747	alpha/beta-Hydrolases superfamily protein
AT1G13510	0.015000998	2.4136744	hypothetical protein (DUF1262)
AT5G44870	0.032421365	2.4113677	Disease resistance protein (TIR-NBS-LRR class) family
AT1G20350	0.002248871	2.4093034	translocase inner membrane subunit 17-1
AT3G46620	0.035588056	2.4035466	zinc finger (C3HC4-type RING finger) family protein
AT2G27310	0.018082608	2.4002383	F-box family protein
AT4G23570	0.011878569	2.3996806	phosphatase-like protein
AT5G24230	0.002003064	2.3994421	Lipase class 3-related protein
AT1G34260	0.033651551	2.3974743	FORMS APLOID AND BINUCLEATE CELLS 1A
AT1G72070	0.006672520	2.3974567	Chaperone DnaJ-domain superfamily protein
AT4G18950	0.013121787	2.3973354	Integrin-linked protein kinase family
AT2G02220	0.003014924	2.3969767	phytosulfokin receptor 1
AT1G65500	0.001546505	2.3956506	transmembrane protein
AT3G47550	0.003208298	2.3945728	RING/FYVE/PHD zinc finger superfamily protein
AT3G22370	0.027408512	2.393626	alternative oxidase 1A
AT4G22305	0.003409057	2.3892981	alpha/beta-Hydrolases superfamily protein
AT1G53700	0.000263447	2.3873909	WAG 1
AT2G39110	0.000890033	2.3873637	Protein kinase superfamily protein
AT5G05850	0.024802176	2.3842539	plant intracellular ras group-related LRR 1
AT2G41640	0.005368502	2.3821092	Glycosyltransferase family 61 protein
AT1G75020	0.006013581	2.3766674	lysophosphatidyl acyltransferase 4
AT1G77890	0.036951057	2.3761137	DNA-directed RNA polymerase II protein

AT5G40780	0.035821172	2.3742803	lysine histidine transporter 1
AT3G23240	0.032767106	2.372832	ethylene response factor 1
AT4G32020	0.000137817	2.3656568	serine/arginine repetitive matrix-like protein
AT5G56610	0.034552998	2.3656482	Phosphotyrosine protein phosphatases superfamily protein
AT3G21680	0.013136281	2.3650486	hypothetical protein
AT2G30720	0.027697914	2.3626338	Thioesterase/thiol ester dehydrase-isomerase superfamily protein
AT1G76980	0.002556929	2.3593449	patatin-like phospholipase domain protein
AT3G10640	0.036404406	2.3587071	SNF7 family protein
AT3G45840	0.012332181	2.3562958	Cysteine/Histidine-rich C1 domain family protein
AT4G09570	0.011591713	2.3535918	calcium-dependent protein kinase 4
AT1G17330	0.021225939	2.3522775	Metal-dependent phosphohydrolase
AT1G11300	0.007723171	2.3488054	G-type lectin S-receptor-like Serine/Threonine-kinase
AT1G25400	0.017543216	2.3468848	transmembrane protein
AT3G05200	0.000650550	2.3467468	RING/U-box superfamily protein
AT3G19580	0.002468884	2.3424615	zinc-finger protein 2
AT4G36150	0.009968760	2.3415756	Disease resistance protein (TIR-NBS-LRR class) family
AT5G15730	0.040241601	2.3383478	Protein kinase superfamily protein
AT1G78830	0.022632317	2.3366332	Curculin-like (mannose-binding) lectin family protein
AT5G18490	0.010352617	2.3351796	vacuolar sorting-associated protein (DUF946)
AT1G61480	0.029452526	2.3285968	S-locus lectin protein kinase family protein
AT3G23550	0.027870934	2.3277396	MATE efflux family protein
AT2G04040	0.001355539	2.3236913	MATE efflux family protein
AT4G28400	0.001928056	2.3225083	Protein phosphatase 2C family protein
AT2G30870	0.027866594	2.3205862	glutathione S-transferase PHI 10
AT3G29400	0.014741104	2.3199898	exocyst subunit exo70 family protein E1
AT3G44720	0.018478926	2.3178805	arogenate dehydratase 4
AT1G63860	0.040508788	2.3167685	Disease resistance protein (TIR-NBS-LRR class) family
AT1G09970	0.010771267	2.3165982	Leucine-rich receptor-like protein kinase family protein
AT5G20050	0.022730581	2.3150783	Protein kinase superfamily protein
AT1G34750	0.002205164	2.3133843	Protein phosphatase 2C family protein
AT3G57630	0.027059504	2.3075465	exostosin family protein
AT3G48090	0.018134295	2.3063466	alpha/beta-Hydrolases superfamily protein
AT1G10050	0.000811727	2.3048691	glycosyl hydrolase family 10 protein / carbohydrate-binding domain-containing protein

AT5G18360	0.010929258	2.3027198	Disease resistance protein (TIR-NBS-LRR class) family
AT3G51710	0.002517639	2.3007192	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain-containing protein
AT1G74430	0.000555924	2.2963206	myb domain protein 95
AT3G19020	0.002746395	2.2934426	Leucine-rich repeat (LRR) family protein
AT1G03905	0.008115813	2.2923553	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT4G23240	0.021228613	2.2784798	cysteine-rich RLK (RECEPTOR-like protein kinase) 16
AT5G26340	0.000986803	2.2758182	Major facilitator superfamily protein
AT2G32660	0.016542938	2.2724367	receptor like protein 22
AT4G30530	0.017993550	2.2717756	Class I glutamine amidotransferase-like superfamily protein
AT3G22930	0.014492815	2.2714373	calmodulin-like 11
AT1G73130	0.026126027	2.2706343	mucin
AT1G79670	0.005291187	2.2687447	Wall-associated kinase family protein
AT5G67350	0.017081062	2.2639472	hypothetical protein
AT3G09910	0.013960152	2.2632153	RAB GTPase homolog C2B
AT5G45280	0.017926216	2.2621772	Pectinacetylsterase family protein
AT4G19460	0.000615302	2.2599767	UDP-Glycosyltransferase superfamily protein
AT4G05335	0.039402764	2.2562936	NA
AT2G28570	0.007877097	2.255681	hypothetical protein
AT2G01340	0.007284412	2.2546327	plastid movement impaired protein
AT5G02680	0.038510889	2.2545748	methionine-tRNA ligase
AT3G16510	0.008391935	2.2523568	Calcium-dependent lipid-binding (CaLB domain) family protein
AT3G08170	0.041070470	2.2494731	NA
AT1G66910	0.000766741	2.2419455	Protein kinase superfamily protein
AT5G10380	0.033670463	2.2362622	RING/U-box superfamily protein
AT1G51805	0.007233219	2.2358396	Leucine-rich repeat protein kinase family protein
AT3G24420	0.016189991	2.2341056	alpha/beta-Hydrolases superfamily protein
AT2G44290	0.000361855	2.2336944	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein
AT3G07190	0.005333864	2.2331072	B-cell receptor-associated protein 31-like protein
AT5G60270	0.004906686	2.2312522	Concanavalin A-like lectin protein kinase family protein
AT3G04110	0.007018135	2.2236025	glutamate receptor 1.1
AT3G06370	0.026316078	2.2217197	sodium hydrogen exchanger 4
AT5G18400	0.016983455	2.2216626	Cytokine-induced anti-apoptosis inhibitor 1%2C Fe-S biogenesis
AT1G21320	0.009987234	2.220865	nucleic acid/nucleotide binding protein

AT3G57330	0.013649321	2.2207036	autoinhibited Ca <sup>2+</sup> -ATPase 11
AT2G43120	0.003193240	2.2194894	RmlC-like cupins superfamily protein
AT1G25370	0.047513580	2.2194009	hypothetical protein (DUF1639)
AT5G49300	0.009558401	2.2160874	GATA transcription factor 16
AT2G39400	0.015893768	2.2152045	alpha/beta-Hydrolases superfamily protein
AT3G15390	0.011090159	2.2103557	silencing defective 5
AT1G13590	0.037993401	2.1966316	phytosulfokine 1 precursor
AT5G45250	0.019459044	2.1937909	Disease resistance protein (TIR-NBS-LRR class) family
AT4G34380	0.012722723	2.1930985	Transducin/WD40 repeat-like superfamily protein
AT4G33300	0.001970911	2.1929002	ADR1-like 1
AT3G28450	0.000683526	2.192705	Leucine-rich repeat protein kinase family protein
AT3G15760	0.042416321	2.1897369	cytochrome P450 family protein
AT5G25050	0.024647204	2.1886357	Major facilitator superfamily protein
AT1G08940	0.001075735	2.1884554	Phosphoglycerate mutase family protein
AT5G27760	0.001624754	2.1883461	Hypoxia-responsive family protein
AT4G01870	0.037000945	2.1870027	tolB protein-like protein
AT5G35370	0.005626811	2.1849579	S-locus lectin protein kinase family protein
AT2G46530	0.005633542	2.1843298	auxin response factor 11
AT5G62020	0.039270866	2.1834197	heat shock transcription factor B2A
AT1G69520	0.016498411	2.1817534	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT4G36990	0.000553236	2.1814535	heat shock factor 4
AT3G57540	0.003169771	2.1795282	Remorin family protein
ATCG01130	0.042777036	2.1776131	Ycf1 protein
AT5G38350	0.024033583	2.1760468	Disease resistance protein (NBS-LRR class) family
AT1G61820	0.027850756	2.1752718	beta glucosidase 46
AT4G24340	0.011366073	2.1745061	Phosphorylase superfamily protein
AT3G18830	0.001634174	2.1680524	polyol/monosaccharide transporter 5
AT3G46690	0.000115358	2.16437	UDP-Glycosyltransferase superfamily protein
AT2G22300	0.013778901	2.1620459	signal responsive 1
AT5G56840	0.039969581	2.1567945	myb-like transcription factor family protein
AT5G58690	0.011730716	2.1541877	phosphatidylinositol-specific phospholipase C5
AT1G25277	0.025535425	2.1533394	hypothetical protein
AT5G65920	0.007497272	2.1531237	ARM repeat superfamily protein



AT4G15120	0.033427601	2.1493152	VQ motif-containing protein
AT1G67148	0.041839376	2.1485327	hypothetical protein
AT4G05010	0.009401617	2.1480557	F-box family protein
AT2G25000	0.005573080	2.1473211	WRKY DNA-binding protein 60
AT4G04960	0.000079435	2.1441431	Concanavalin A-like lectin protein kinase family protein
AT3G58490	0.024165212	2.1427952	Phosphatidic acid phosphatase (PAP2) family protein
AT3G62150	0.003791158	2.1424858	P-glycoprotein 21
AT5G44460	0.003678644	2.139721	calmodulin like 43
AT5G25440	0.034500152	2.1382111	Protein kinase superfamily protein
AT5G14930	0.030532626	2.1376667	senescence-associated gene 101
AT5G11000	0.002589846	2.1370042	hypothetical protein (DUF868)
AT3G57280	0.004303767	2.1331644	Transmembrane proteins 14C
AT1G14780	0.001797894	2.1235773	MAC/Perforin domain-containing protein
AT2G44010	0.017857939	2.123299	hypothetical protein
AT1G10480	0.016871257	2.1230548	zinc finger protein 5
AT2G40270	0.007638551	2.1171508	Protein kinase family protein
AT2G32250	0.017879247	2.1150123	FAR1-related sequence 2
AT5G17680	0.026451296	2.1122456	disease resistance protein (TIR-NBS-LRR class)
AT5G65609	0.029349919	2.1116047	hypothetical protein
AT5G66900	0.016711921	2.1114186	Disease resistance protein (CC-NBS-LRR class) family
AT4G24920	0.018253907	2.1077595	secE/sec61-gamma protein transport protein
AT3G01290	0.004365965	2.1033003	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT4G04695	0.005128250	2.0924423	calcium-dependent protein kinase 31
AT3G46600	0.002148873	2.089249	GRAS family transcription factor
AT5G54810	0.009213692	2.0860314	tryptophan synthase beta-subunit 1
AT3G27010	0.009279960	2.0820877	TEOSINTE BRANCHED 1%2C cycloidea%2C PCF (TCP)-domain family protein 20
AT2G38250	0.019926782	2.0818913	Homeodomain-like superfamily protein
AT2G22470	0.006377887	2.0774796	arabinogalactan protein 2
AT4G13510	0.015889371	2.0765135	ammonium transporter 1%3B1
AT3G46070	0.037934670	2.0750113	C2H2-type zinc finger family protein
AT1G18200	0.026020581	2.0729282	Rab GTPase-like A1I protein
AT3G14870	0.022727993	2.0701844	hypothetical protein (DUF641)
AT4G11360	0.004357556	2.0688069	RING-H2 finger A1B

AT5G61600	0.000518373	2.0656226	ethylene response factor 104
AT5G62770	0.000412890	2.0655842	membrane-associated kinase regulator%2C putative (DUF1645)
AT3G57730	0.011139391	2.063892	Protein kinase superfamily protein
AT5G50570	0.004641621	2.0610391	Squamosa promoter-binding protein-like (SBP domain) transcription factor family protein
AT1G62422	0.002160339	2.0588442	hypothetical protein
AT4G21410	0.021174546	2.0582223	cysteine-rich RLK (RECEPTOR-like protein kinase) 29
AT5G26660	0.019122248	2.0573354	myb domain protein 86
AT5G06860	0.035957728	2.0557412	polygalacturonase inhibiting protein 1
AT5G25450	0.022429930	2.0531781	Cytochrome bd ubiquinol oxidase%2C 14kDa subunit
AT2G11520	0.003628606	2.0516251	calmodulin-binding receptor-like cytoplasmic kinase 3
AT4G00330	0.009335811	2.0508157	calmodulin-binding receptor-like cytoplasmic kinase 2
AT2G23200	0.001586945	2.0507207	Protein kinase superfamily protein
AT5G39785	0.009160483	2.0503791	hypothetical protein (DUF1666)
AT1G08450	0.000294606	2.049526	calreticulin 3
AT3G22800	0.010056802	2.0487661	Leucine-rich repeat (LRR) family protein
AT3G50060	0.009830723	2.042321	myb domain protein 77
AT1G13540	0.043082588	2.041191	hypothetical protein (DUF1262)
AT2G13650	0.033678018	2.0380182	golgi nucleotide sugar transporter 1
AT3G05320	0.035260921	2.0337861	O-fucosyltransferase family protein
AT5G63790	0.008876233	2.0316394	NAC domain containing protein 102
AT2G32930	0.018935933	2.0314223	zinc finger nuclease 2
AT1G61380	0.031197584	2.0288327	S-domain-1 29
AT4G31500	0.008524830	2.0280123	cytochrome P450%2C family 83%2C subfamily B%2C polypeptide 1
AT1G65490	0.034564163	2.0276558	transmembrane protein
AT2G36780	0.013991711	2.0256538	UDP-Glycosyltransferase superfamily protein
AT5G49480	0.016120330	2.0241891	Ca2+-binding protein 1
AT1G14200	0.016721236	2.0240421	RING/U-box superfamily protein
AT3G57750	0.002764761	2.0238519	Protein kinase superfamily protein
AT5G09980	0.049751009	2.018833	elicitor peptide 4 precursor
AT1G35350	0.022173519	2.0175441	EXS (ERD1/XPR1/SYG1) family protein
AT4G35600	0.011157960	2.0171497	Protein kinase superfamily protein
AT3G50290	0.008568812	2.0146271	HXXXD-type acyl-transferase family protein
AT4G30350	0.001867589	2.0126314	Double Clp-N motif-containing P-loop nucleoside triphosphate hydrolases superfamily protein

AT1G61430	0.033902398	2.0119358	S-locus lectin protein kinase family protein
AT4G25810	0.017563627	2.011009	xyloglucan endotransglycosylase 6
AT3G20510	0.000737756	2.0109353	Transmembrane proteins 14C
AT3G17410	0.007742508	2.0085988	Protein kinase superfamily protein
AT1G21520	0.032670317	2.0074508	hypothetical protein
AT3G55470	0.039103795	2.0057185	Calcium-dependent lipid-binding (CaLB domain) family protein
AT3G33103	0.007464266	2.0056495	NA
AT2G38860	0.002787923	2.0041833	Class I glutamine amidotransferase-like superfamily protein
AT3G14470	0.012625887	2.0009395	NB-ARC domain-containing disease resistance protein
AT5G07450	0.004306774	0	cyclin p4%3B3
AT4G00416	0.047286836	0	methyl-CPG-binding domain 3
AT2G31930	0.021543829	0	hypothetical protein
AT3G03275	0.049671771	0	NA
ATMG00310	0.000034774	0	RNA-directed DNA polymerase (reverse transcriptase)-related family protein
AT5G52290	0.014129334	0	shortage in chiasmata 1
AT3G28360	0.019681439	0	P-glycoprotein 16
AT5G32107	0.014117527	0	NA
AT1G80340	0.036282031	0	gibberellin 3-oxidase 2
AT2G24710	0.043531181	0	glutamate receptor 2.3
AT1G42924	0.042354826	0.0526069	NA
AT1G73610	0.023062065	0.0608119	GDSL-like Lipase/Acylhydrolase superfamily protein
AT1G18320	0.040290234	0.0620914	Mitochondrial import inner membrane translocase subunit Tim17/Tim22/Tim23 family protein
AT4G01760	0.006138864	0.0781001	Cysteine/Histidine-rich C1 domain family protein
AT5G48130	0.026801079	0.0910041	Phototropic-responsive NPH3 family protein
AT4G04225	0.009831069	0.0917955	NA
AT2G09510	0.003237355	0.0919975	NA
AT4G27250	0.007912910	0.0952763	NAD(P)-binding Rossmann-fold superfamily protein
AT5G37800	0.010279044	0.0959608	RHD SIX-LIKE 1
AT4G22870	0.007233437	0.1247031	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase superfamily protein
AT3G52820	0.008511570	0.1308592	purple acid phosphatase 22
AT5G01880	0.009951476	0.1408531	RING/U-box superfamily protein
AT2G39920	0.013449886	0.1524846	HAD superfamily%2C subfamily IIIB acid phosphatase
AT1G12100	0.020349221	0.1678858	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein

AT5G03553	0.025472874	0.1799511	hypothetical protein
AT1G04150	0.025561140	0.1880815	C2 calcium/lipid-binding plant phosphoribosyltransferase family protein
AT3G63052	0.043900432	0.1957061	hypothetical protein
AT4G18980	0.026844824	0.2060904	AtS40-3
AT4G05220	0.007344091	0.2163193	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT4G36770	0.012231327	0.231096	UDP-Glycosyltransferase superfamily protein
AT5G39680	0.002902120	0.236407	Pentatricopeptide repeat (PPR) superfamily protein
AT5G61550	0.011858961	0.2482792	U-box domain-containing protein kinase family protein
AT1G25112	0.017513988	0.2483958	hypothetical protein
AT4G32535	0.014999850	0.2537762	hypothetical protein
AT4G10350	0.015641120	0.2575658	NAC domain containing protein 70
AT2G35075	0.037942912	0.2603766	hypothetical protein
AT3G30846	0.016214654	0.2623013	NA
AT5G18730	0.037307932	0.2702746	DNAJ heat shock amino-terminal domain protein
AT1G29180	0.027321523	0.2704304	Cysteine/Histidine-rich C1 domain family protein
AT1G48500	0.010948043	0.2741838	jasmonate-zim-domain protein 4
AT1G76230	0.016411409	0.2761856	hypothetical protein
AT1G02340	0.038270673	0.2802465	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT4G38860	0.019868999	0.2893647	SAUR-like auxin-responsive protein family
AT1G61230	0.030957579	0.2898155	Mannose-binding lectin superfamily protein
AT4G00220	0.022433297	0.2923091	Lateral organ boundaries (LOB) domain family protein
AT4G05690	0.032080843	0.2923874	NA
AT2G47670	0.031483265	0.2939623	Plant invertase/pectin methylesterase inhibitor superfamily protein
AT1G35550	0.044237601	0.2973001	elongation factor Tu C-terminal domain-containing protein
AT4G30230	0.032754810	0.3025346	hypothetical protein
AT2G05914	0.021015140	0.3167124	NA
AT1G09917	0.042425938	0.3187427	NA
AT3G06360	0.021055476	0.3271116	arabinogalactan protein 27
AT1G30220	0.032433164	0.3298402	inositol transporter 2
AT1G24540	0.040455061	0.3423926	cytochrome P450%2C family 86%2C subfamily C%2C polypeptide 1
AT5G20690	0.049358905	0.3438456	Leucine-rich repeat protein kinase family protein
AT4G06536	0.031646712	0.3450448	SPLa/Ryanodine receptor (SPRY) domain-containing protein
AT2G34010	0.003942927	0.3487813	verprolin

AT5G41460	0.014685720	0.3602135	transferring glycosyl group transferase (DUF604)
AT4G26288	0.010773687	0.3608197	hypothetical protein
AT2G36270	0.027185459	0.3687538	Basic-leucine zipper (bZIP) transcription factor family protein
AT2G18300	0.001127066	0.3709464	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT4G14140	0.002635295	0.3750427	DNA methyltransferase 2
AT1G62350	0.031442929	0.3949795	Pentatricopeptide repeat (PPR) superfamily protein
AT5G38010	0.025960077	0.3973418	UDP-Glycosyltransferase superfamily protein
AT1G21220	0.013208182	0.4069472	NA
AT2G36540	0.038804725	0.4091226	Haloacid dehalogenase-like hydrolase (HAD) superfamily protein
AT3G30180	0.030927269	0.4121926	brassinosteroid-6-oxidase 2
AT4G34790	0.027985571	0.4156761	SAUR-like auxin-responsive protein family
AT2G30820	0.016279484	0.4180125	aspartyl/glutamyl-tRNA(Asn/Gln) amidotransferase subunit
AT1G15550	0.030908371	0.4240502	gibberellin 3-oxidase 1
AT5G64190	0.000774755	0.4264073	neuronal PAS domain protein
AT5G44680	0.008646043	0.4298357	DNA glycosylase superfamily protein
AT4G22495	0.025496416	0.4301071	hypothetical protein
AT1G18280	0.020099983	0.4331217	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein
AT4G34950	0.047051244	0.4341208	Major facilitator superfamily protein
AT4G34770	0.000605030	0.4357119	SAUR-like auxin-responsive protein family
AT5G03695	0.030650790	0.436668	NA
AT5G57180	0.000438574	0.4406321	chloroplast import apparatus 2
AT2G34610	0.033710584	0.4427166	cotton fiber protein
AT3G63200	0.002595155	0.4512905	PATATIN-like protein 9
AT4G12910	0.022184768	0.4547103	serine carboxypeptidase-like 20
AT4G21215	0.003433642	0.4559744	transmembrane protein
AT5G42370	0.030303394	0.4581834	Calcineurin-like metallo-phosphoesterase superfamily protein
AT4G29905	0.000451302	0.4606153	hypothetical protein
AT2G36050	0.001292089	0.4622876	ovate family protein 15
AT2G46567	0.040345896	0.4677719	hypothetical protein
AT4G19170	0.013397323	0.4722709	nine-cis-epoxycarotenoid dioxygenase 4
AT5G23870	0.026445309	0.4728156	Pectinacetyltransferase family protein
AT5G11070	0.000915724	0.4734918	hypothetical protein
AT2G35060	0.027501266	0.4748346	K <sup>+</sup> uptake permease 11

AT2G02950	0.010377280	0.4751233	phytochrome kinase substrate 1
AT5G20670	0.027254426	0.4763989	DUF1677 family protein (DUF1677)
AT2G43445	0.009658399	0.4782014	F-box and associated interaction domains-containing protein
AT1G50280	0.022070145	0.4784756	Phototropic-responsive NPH3 family protein
AT4G06534	0.027277909	0.4827252	transmembrane protein
AT1G33817	0.022061582	0.4840162	NA
AT2G43200	0.019348421	0.4867326	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT3G15570	0.004373874	0.4894502	Phototropic-responsive NPH3 family protein
AT1G49660	0.028582721	0.4896416	carboxyesterase 5
AT5G59200	0.042163810	0.4904146	Tetratricopeptide repeat (TPR)-like superfamily protein
AT5G62730	0.043533110	0.491622	Major facilitator superfamily protein
AT1G46480	0.030316148	0.4940445	WUSCHEL related homeobox 4
AT1G65420	0.019058279	0.4948314	antigen receptor-like protein (DUF565)
AT5G02760	0.002128216	0.4950761	Protein phosphatase 2C family protein
AT3G19850	0.029420261	0.4957246	Phototropic-responsive NPH3 family protein
AT5G23280	0.030494760	0.4977655	TCP family transcription factor
AT3G50310	0.024788647	0.4995461	mitogen-activated protein kinase kinase kinase 20