

Table S2: Genes differentially expressed under treatment with chitohexaose in Col-0 plants

Expression level of the 1988 differentially expressed genes when treating Col-0 plants with chitohexaose 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 chitohexaose vs mock	n-fold	Annotation
AT1G55152	0.020946998	#jDIV/0!	hypothetical protein
AT2G25297	0.005389355	#jDIV/0!	transmembrane protein
AT1G51913	0.004167189	#jDIV/0!	transmembrane protein
AT2G03925	0.016757673	#jDIV/0!	NA
AT1G47130	0.015914719	#jDIV/0!	hypothetical protein
AT1G36640	0.044589794	#jDIV/0!	transmembrane protein
AT3G00970	0.015023616	#jDIV/0!	NA
AT2G23270	0.012798018	#jDIV/0!	transmembrane protein
AT3G14225	0.036266996	#jDIV/0!	GDSL-motif lipase 4
AT5G09876	0.008146648	#jDIV/0!	hypothetical protein
AT3G48790	0.010933684	#jDIV/0!	Pyridoxal phosphate (PLP)-dependent transferases superfamily protein
AT3G29970	0.000233373	#jDIV/0!	B12D protein
AT4G28460	0.010528806	#jDIV/0!	transmembrane protein
AT5G27765	0.000482836	#jDIV/0!	transmembrane protein
AT2G25409	0.043264950	#jDIV/0!	hypothetical protein
AT4G11480	0.048054821	#jDIV/0!	cysteine-rich RLK (RECEPTOR-like protein kinase) 32
AT4G30090	0.001310668	#jDIV/0!	golgin family A protein
AT1G42980	0.004099803	#jDIV/0!	Actin-binding FH2 (formin homology 2) family protein
AT1G51915	0.013450850	#jDIV/0!	cryptdin protein-like protein
AT4G28420	0.044207650	#jDIV/0!	Tyrosine transaminase family protein
AT4G22030	0.000074119	#jDIV/0!	F-box protein with a domain protein
AT4G11070	0.023163678	#jDIV/0!	WRKY family transcription factor
AT5G45090	0.008971470	#jDIV/0!	phloem protein 2-A7

AT4G14368	0.018710659	#jDIV/0!	Regulator of chromosome condensation (RCC1) family protein
AT4G23230	0.015719544	#jDIV/0!	cysteine-rich RECEPTOR-like kinase
AT1G65790	0.010162414	#jDIV/0!	receptor kinase 1
AT2G04480	0.042431843	#jDIV/0!	hypothetical protein
AT5G52740	0.014186634	#jDIV/0!	Copper transport protein family
AT5G16770	0.038191590	#jDIV/0!	myb domain protein 9
AT1G09930	0.004015611	#jDIV/0!	oligopeptide transporter 2
AT1G11490	0.013871418	#jDIV/0!	zinc finger (C2H2 type) family protein
AT1G06135	0.004451649	#jDIV/0!	transmembrane protein
AT3G60120	0.049225915	#jDIV/0!	beta glucosidase 27
AT1G44740	0.036006069	#jDIV/0!	hypothetical protein
AT2G25410	0.012094147	#jDIV/0!	RING/U-box superfamily protein
AT4G18540	0.005764927	#jDIV/0!	transmembrane protein
AT1G20320	0.006937933	#jDIV/0!	Haloacid dehalogenase-like hydrolase (HAD) superfamily protein
AT5G39100	0.025545259	#jDIV/0!	germin-like protein 6
AT2G09025	0.035803252	#jDIV/0!	NA
AT2G07648	0.043109417	#jDIV/0!	hypothetical protein
AT4G31960	0.041396945	#jDIV/0!	hypothetical protein
AT4G17660	0.042653553	#jDIV/0!	Protein kinase superfamily protein
AT5G22545	0.001922228	#jDIV/0!	hypothetical protein
AT3G61390	0.018770683	#jDIV/0!	RING/U-box superfamily protein
AT2G20160	0.043350800	#jDIV/0!	E3 ubiquitin ligase SCF complex subunit SKP1/ASK1 family protein
AT1G07683	0.001181307	#jDIV/0!	NA
AT5G06490	0.022045602	#jDIV/0!	RING/U-box superfamily protein
AT1G32049	0.002671134	#jDIV/0!	NA
AT5G00965	0.045168092	#jDIV/0!	NA
AT2G28270	0.000772647	#jDIV/0!	Cysteine/Histidine-rich C1 domain family protein
AT1G64820	0.007487060	#jDIV/0!	MATE efflux family protein
AT1G76965	0.029105540	#jDIV/0!	hypothetical protein
AT2G29100	0.021130061	#jDIV/0!	glutamate receptor 2.9
AT3G42792	0.022747020	#jDIV/0!	NA
AT1G22810	0.042893841	#jDIV/0!	Integrase-type DNA-binding superfamily protein
AT1G22240	0.017881351	#jDIV/0!	pumilio 8

AT3G02430	0.043108163	#jDIV/0!	transmembrane protein%2C putative (DUF679)
AT2G01379	0.013871356	#jDIV/0!	transmembrane protein
AT3G23123	0.038724481	#jDIV/0!	transmembrane protein
AT5G22380	0.005658343	#jDIV/0!	NAC domain containing protein 90
AT1G77860	0.034446313	#jDIV/0!	Rhomboid-related intramembrane serine protease family protein
AT3G17400	0.034081277	#jDIV/0!	F-box family protein
AT4G36280	0.014268575	#jDIV/0!	Histidine kinase-%2C DNA gyrase B-%2C and HSP90-like ATPase family protein
AT4G10530	0.049524552	#jDIV/0!	Subtilase family protein
AT1G57650	0.037097739	#jDIV/0!	ATP binding protein
AT2G31920	0.035695739	#jDIV/0!	elongation factor 1-delta%2C putative (DUF936)
AT4G28340	0.000971040	#jDIV/0!	pyrroline-5-carboxylate reductase
AT5G36937	0.035692246	#jDIV/0!	NA
AT2G05640	0.000970783	#jDIV/0!	NA
AT5G54206	0.000842872	#jDIV/0!	NA
AT3G02270	0.007606182	#jDIV/0!	Trimeric LpxA-like enzyme
AT3G28315	0.026179123	#jDIV/0!	NA
AT2G01040	0.035698518	#jDIV/0!	NA
AT1G08860	0.017007681	#jDIV/0!	Calcium-dependent phospholipid-binding Copine family protein
AT1G51900	0.001485510	#jDIV/0!	Regulator of Vps4 activity in the MVB pathway protein
AT1G73510	0.033890301	#jDIV/0!	hypothetical protein
AT2G28920	0.000970914	#jDIV/0!	RING/U-box superfamily protein
AT2G32820	0.037526967	#jDIV/0!	Transcription elongation factor (TFIIS) family protein
AT3G04915	0.048500596	#jDIV/0!	NA
AT3G26190	0.040821553	#jDIV/0!	cytochrome P450%2C family 71%2C subfamily B%2C polypeptide 21
AT4G04710	0.033216146	#jDIV/0!	calcium-dependent kinase-like protein
AT4G08615	0.023356837	#jDIV/0!	NA
AT4G23882	0.024609757	#jDIV/0!	Heavy metal transport/detoxification superfamily protein
AT5G05490	0.044569681	#jDIV/0!	Rad21/Rec8-like family protein
AT5G26950	0.000971023	#jDIV/0!	AGAMOUS-like 93
AT5G37420	0.000724198	#jDIV/0!	hypothetical protein (DUF577)
AT5G37840	0.045224352	#jDIV/0!	plastid movement impaired protein
AT5G38250	0.012766115	#jDIV/0!	Protein kinase family protein
AT5G50580	0.004689880	#jDIV/0!	SUMO-activating enzyme 1B

AT5G50680	0.004591717	#jDIV/0!	SUMO activating enzyme 1B
AT5G56510	0.000828440	#jDIV/0!	pumilio 12
AT5G60350	0.045291547	#jDIV/0!	hypothetical protein
AT1G14540	0.001802060	885.26453	Peroxidase superfamily protein
AT4G04480	0.012252607	735.49674	F-box protein with a domain protein
AT3G12910	0.003102979	733.47002	NAC (No Apical Meristem) domain transcriptional regulator superfamily protein
AT2G37430	0.002745650	502.63191	C2H2 and C2HC zinc fingers superfamily protein
AT5G11140	0.006266564	484.50718	phospholipase-like protein (PEARLI 4) family protein
AT4G11470	0.011723607	443.851	cysteine-rich RLK (RECEPTOR-like protein kinase) 31
AT5G24110	0.004562613	431.97601	WRKY DNA-binding protein 30
AT4G11170	0.009446723	403.91292	Disease resistance protein (TIR-NBS-LRR class) family
AT5G47850	0.001819234	361.29343	CRINKLY4 related 4
AT1G07160	0.002094579	312.49388	Protein phosphatase 2C family protein
AT5G05300	0.001257866	295.29574	hypothetical protein
AT2G29110	0.028757946	287.82759	glutamate receptor 2.8
AT5G56960	0.002903190	263.45085	basic helix-loop-helix (bHLH) DNA-binding family protein
AT2G37810	0.030839369	245.79547	Cysteine/Histidine-rich C1 domain family protein
AT3G29000	0.005120540	234.57653	Calcium-binding EF-hand family protein
AT5G51465	0.002075872	230.82311	hypothetical protein
AT1G26380	0.000156871	226.60506	FAD-binding Berberine family protein
AT4G35180	0.002297646	184.27024	LYS/HIS transporter 7
AT4G31950	0.000015853	175.85385	cytochrome P450%2C family 82%2C subfamily C%2C polypeptide 3
AT1G61560	0.034525651	166.11484	Seven transmembrane MLO family protein
AT1G43000	0.011609024	161.07775	PLATZ transcription factor family protein
AT3G02840	0.009449225	157.21099	ARM repeat superfamily protein
AT5G64905	0.017311267	154.63427	elicitor peptide 3 precursor
AT1G53625	0.001812148	137.66157	hypothetical protein
AT4G23280	0.021596370	132.22588	cysteine-rich RLK (RECEPTOR-like protein kinase) 20
AT1G66090	0.011302748	126.7212	Disease resistance protein (TIR-NBS class)
AT4G16820	0.023415873	118.77314	alpha/beta-Hydrolases superfamily protein
AT2G26560	0.030002798	117.24908	phospholipase A 2A
AT1G35210	0.001470689	116.7959	hypothetical protein
AT5G11210	0.019777052	116.39078	glutamate receptor 2.5

AT1G56060	0.011978251	115.96912	cysteine-rich/transmembrane domain protein B
AT1G05675	0.001819420	115.72654	UDP-Glycosyltransferase superfamily protein
AT1G71520	0.012067968	108.59976	Integrase-type DNA-binding superfamily protein
AT5G45240	0.027888036	108.34547	Disease resistance protein (TIR-NBS-LRR class)
AT1G56250	0.004946203	104.2091	phloem protein 2-B14
AT1G01560	0.002928214	101.16379	MAP kinase 11
AT1G06983	0.002239470	97.939597	NA
AT5G57220	0.002077479	96.162009	cytochrome P450%2C family 81%2C subfamily F%2C polypeptide 2
AT2G04495	0.004545872	95.051231	transmembrane protein
AT1G72520	0.021779646	90.656116	PLAT/LH2 domain-containing lipoxygenase family protein
AT1G24140	0.002874474	89.522317	Matrixin family protein
AT3G07195	0.000676145	89.212155	RPM1-interacting protein 4 (RIN4) family protein
AT3G48650	0.026726786	84.572233	NA
AT5G22520	0.004453300	82.573334	hypothetical protein
AT1G65385	0.011619462	81.643181	NA
AT4G25350	0.004409792	80.19551	EXS (ERD1/XPR1/SYG1) family protein
AT3G13950	0.004969486	79.842639	ankyrin
AT3G21520	0.002536422	79.469201	transmembrane protein%2C putative (DUF679 domain membrane protein 1)
AT4G37290	0.023373704	77.093438	transmembrane protein
AT5G37490	0.020592610	75.515975	ARM repeat superfamily protein
AT5G52760	0.001520401	74.250025	Copper transport protein family
AT1G56240	0.000486860	73.55136	phloem protein 2-B13
AT4G15417	0.005111312	72.439391	RNAse II-like 1
AT4G14630	0.043610872	72.286317	germin-like protein 9
AT5G42380	0.010523980	72.169022	calmodulin like 37
AT2G17040	0.002570683	71.344318	NAC domain containing protein 36
AT5G66640	0.002399616	71.19074	DA1-related protein 3
AT1G69920	0.019834292	70.824985	glutathione S-transferase TAU 12
AT2G45760	0.005446750	70.25675	BON association protein 2
AT3G54150	0.010903570	69.316679	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT1G21120	0.017085305	67.58775	O-methyltransferase family protein
AT1G13520	0.038857425	65.814298	hypothetical protein (DUF1262)
AT2G32130	0.009091974	65.597671	intracellular protein transporter%2C putative (DUF641)

AT4G03460	0.004107508	65.434784	Ankyrin repeat family protein
AT1G16150	0.030553601	62.671336	wall associated kinase-like 4
AT1G53080	0.001002326	61.747592	Legume lectin family protein
AT5G41750	0.001647941	61.120032	Disease resistance protein (TIR-NBS-LRR class) family
AT4G23220	0.001421654	60.484432	cysteine-rich RECEPTOR-like kinase
AT3G15518	0.013574831	60.40237	hypothetical protein
AT1G24145	0.003971514	60.383369	transmembrane protein
AT5G27420	0.006010199	60.222507	carbon/nitrogen insensitive 1
AT2G27389	0.025211888	59.11109	hypothetical protein
AT1G65484	0.019018011	58.997655	transmembrane protein
AT4G18195	0.004240705	57.261626	purine permease 8
AT5G39670	0.000364018	57.114119	Calcium-binding EF-hand family protein
AT4G14365	0.001579922	56.789884	hypothetical protein
AT1G30370	0.000390798	55.758281	alpha/beta-Hydrolases superfamily protein
AT1G50745	0.029947374	54.873804	plant mobile domain protein
AT1G06137	0.016156578	54.798684	transmembrane protein
AT1G58420	0.005232621	53.503491	Uncharacterized conserved protein UCP031279
AT4G18250	0.004255295	53.146098	receptor Serine/Threonine kinase-like protein
AT4G20000	0.003672569	52.961093	VQ motif-containing protein
AT1G50750	0.014699884	52.050716	aminotransferase-like%2C mobile domain protein
AT5G36925	0.001484301	51.781167	hypothetical protein
AT4G11890	0.009485622	51.167661	Protein kinase superfamily protein
AT4G23215	0.008649265	50.232132	NA
AT1G78410	0.005090197	49.318339	VQ motif-containing protein
AT1G68765	0.019835811	48.263041	Putative membrane lipoprotein
AT5G25250	0.000508491	47.381154	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT1G17147	0.001629990	47.123586	VQ motif-containing protein
AT3G23230	0.000865195	46.18654	Integrase-type DNA-binding superfamily protein
AT3G50930	0.007520031	45.515464	cytochrome BC1 syntheti
AT4G14450	0.007329465	44.721585	hypothetical protein
AT2G35658	0.006353902	44.615248	transmembrane protein
AT5G28610	0.008232785	43.611297	LOW protein: ATP-dependent RNA helicase DRS1-like protein
AT5G46295	0.022931053	43.320273	transmembrane protein

AT5G25260	0.000895880	43.264058	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT4G15975	0.003770558	42.413013	RING/U-box superfamily protein
AT5G64890	0.000010850	42.33127	elicitor peptide 2 precursor
AT2G18680	0.000213844	41.530687	transmembrane protein
AT2G44370	0.010117196	41.204938	Cysteine/Histidine-rich C1 domain family protein
AT3G55840	0.003338919	40.925939	Hs1pro-1 protein
AT5G52800	0.038637708	40.450239	DNA primase
AT5G01550	0.000306023	40.330048	lectin receptor kinase a4.1
AT1G05575	0.028735534	39.456481	transmembrane protein
AT5G52750	0.003676689	39.415831	Heavy metal transport/detoxification superfamily protein
AT1G30700	0.003625923	39.193422	FAD-binding Berberine family protein
AT4G37780	0.019102200	39.187163	myb domain protein 87
AT5G26920	0.001478427	38.508317	Cam-binding protein 60-like G
AT1G26420	0.001621877	38.175414	FAD-binding Berberine family protein
AT3G28580	0.043493308	37.563465	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT4G24570	0.000720843	37.247202	dicarboxylate carrier 2
AT2G32030	0.004079854	36.876408	Acyl-CoA N-acyltransferases (NAT) superfamily protein
AT2G27660	0.019168923	36.624168	Cysteine/Histidine-rich C1 domain family protein
AT4G39670	0.002744035	35.541121	Glycolipid transfer protein (GLTP) family protein
AT1G36622	0.000790311	35.400904	transmembrane protein
AT4G39580	0.003327700	35.311952	Galactose oxidase/kelch repeat superfamily protein
AT1G07135	0.000482425	35.29817	glycine-rich protein
AT1G26410	0.033853907	34.944904	FAD-binding Berberine family protein
AT1G51890	0.023313416	34.670109	Leucine-rich repeat protein kinase family protein
AT3G25250	0.000888323	34.167876	AGC (cAMP-dependent%2C cGMP-dependent and protein kinase C) kinase family protein
AT1G05933	0.000336931	34.094902	NA
AT5G62150	0.014237380	34.081031	peptidoglycan-binding LysM domain-containing protein
AT1G61550	0.010052508	34.011464	S-locus lectin protein kinase family protein
AT5G57510	0.001604565	33.446128	cotton fiber protein
AT2G24600	0.013742405	33.298038	Ankyrin repeat family protein
AT5G22530	0.000783162	33.236298	hypothetical protein
AT1G02400	0.008421094	32.879827	gibberellin 2-oxidase 6
AT2G33780	0.048919526	32.762644	VQ motif-containing protein

AT1G19020	0.000464019	32.74105	CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferase
AT5G65600	0.025898970	32.655092	Concanavalin A-like lectin protein kinase family protein
AT5G57190	0.030143138	31.836551	phosphatidylserine decarboxylase 2
AT5G19240	0.002978511	31.141334	Glycoprotein membrane precursor GPI-anchored
AT1G02360	0.014586849	30.294298	Chitinase family protein
AT2G20150	0.000031146	30.065629	hypothetical protein
AT1G21110	0.020672800	29.995332	O-methyltransferase family protein
AT1G65390	0.002768522	29.837481	phloem protein 2 A5
AT1G16420	0.005319989	29.813369	metacaspase 8
AT2G39200	0.007359704	29.606705	Seven transmembrane MLO family protein
AT4G23810	0.012448821	29.551041	WRKY family transcription factor
AT2G22500	0.001845236	29.447155	uncoupling protein 5
AT4G14370	0.006485322	29.14922	Disease resistance protein (TIR-NBS-LRR class) family
AT4G30430	0.005705089	28.98068	tetraspanin9
AT3G13210	0.008326249	28.904171	crooked neck protein%2C putative / cell cycle protein
AT1G27730	0.002016975	28.466096	salt tolerance zinc finger
AT2G20562	0.000825311	27.422266	taximin
AT5G14700	0.025880202	27.420539	NAD(P)-binding Rossmann-fold superfamily protein
AT4G39830	0.006329321	27.327428	Cupredoxin superfamily protein
AT5G35735	0.004164240	27.13899	Auxin-responsive family protein
AT5G47230	0.001625934	27.117117	ethylene responsive element binding factor 5
AT2G38470	0.002937360	27.104521	WRKY DNA-binding protein 33
AT3G56790	0.028747983	26.722445	RNA splicing factor-like protein
AT2G17740	0.021229481	26.722283	Cysteine/Histidine-rich C1 domain family protein
AT4G23320	0.025642045	26.630759	cysteine-rich RLK (RECEPTOR-like protein kinase) 24
AT1G66700	0.033101309	26.607108	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT4G21390	0.009195528	26.57728	S-locus lectin protein kinase family protein
AT2G44578	0.010827937	26.186178	RING/U-box superfamily protein
AT3G02585	0.040185200	25.777541	NA
AT1G55450	0.016844948	25.205596	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT2G25735	0.002260286	25.191738	hypothetical protein
AT2G19190	0.010826615	24.723771	FLG22-induced receptor-like kinase 1
AT3G11840	0.007569519	24.575529	E3 ubiquitin-protein ligase PUB24-like protein

AT2G46430	0.005087355	24.428758	cyclic nucleotide gated channel 3
AT1G09932	0.005563094	24.282828	Phosphoglycerate mutase family protein
AT1G20310	0.001196043	24.189652	syringolide-induced protein
AT5G44070	0.006201499	24.122054	phytochelatin synthase 1 (PCS1)
AT1G09353	0.007311416	24.0682	NA
AT1G47890	0.022041989	23.974631	receptor like protein 7
AT2G32140	0.001742278	23.890659	transmembrane receptor
AT1G49000	0.002651410	23.764584	transmembrane protein
AT3G52400	0.008163096	23.670143	syntaxin of plants 122
AT4G37370	0.003486883	23.557497	cytochrome P450%2C family 81%2C subfamily D%2C polypeptide 8
AT1G18570	0.001830428	23.552313	myb domain protein 51
AT1G67810	0.002877825	23.205762	sulfur E2
AT3G17690	0.005979892	22.944931	cyclic nucleotide gated channel 19
AT1G61360	0.025591205	22.902694	S-locus lectin protein kinase family protein
AT4G40020	0.014405584	22.90084	Myosin heavy chain-related protein
AT4G26200	0.002541982	22.871745	1-amino-cyclopropane-1-carboxylate synthase 7
AT3G21150	0.008320584	22.703111	B-box 32
AT4G38560	0.001878861	22.639571	phospholipase-like protein (PEARLI 4) family protein
AT3G61190	0.010192635	22.447971	BON association protein 1
AT2G41105	0.017155210	22.262172	hypothetical protein
AT3G09520	0.001549411	22.235855	exocyst subunit exo70 family protein H4
AT4G35590	0.011777643	22.129372	RWP-RK domain-containing protein
AT2G35710	0.003160027	22.020203	Nucleotide-diphospho-sugar transferases superfamily protein
AT3G43250	0.006313835	21.958563	coiled-coil protein (DUF572)
AT5G67450	0.004540506	21.784496	zinc-finger protein 1
AT4G11000	0.002336773	21.755612	Ankyrin repeat family protein
AT4G20780	0.004678547	21.678455	calmodulin like 42
AT3G13432	0.023401419	21.63741	transmembrane protein
AT5G41550	0.020559410	21.616549	Disease resistance protein (TIR-NBS-LRR class) family
AT5G43420	0.004469183	21.506177	RING/U-box superfamily protein
AT1G57630	0.000283763	21.495216	Toll-Interleukin-Resistance (TIR) domain family protein
AT5G57010	0.000773148	21.45004	calmodulin-binding family protein
AT2G08740	0.005116927	21.200897	NA

AT5G48540	0.009389749	21.045725	receptor-like protein kinase-related family protein
AT5G41740	0.000778802	20.872547	Disease resistance protein (TIR-NBS-LRR class) family
AT1G35230	0.010251666	20.529235	arabinogalactan protein 5
AT2G39380	0.035452390	20.525373	exocyst subunit exo70 family protein H2
AT4G04075	0.007058090	20.456233	NA
AT1G51920	0.001649421	20.41985	transmembrane protein
AT5G13485	0.009862023	20.404201	NA
AT2G17050	0.010861697	20.344123	disease resistance protein (TIR-NBS-LRR class)
AT5G01100	0.001492367	20.024065	O-fucosyltransferase family protein
AT2G44840	0.013518592	19.946473	ethylene-responsive element binding factor 13
AT4G08555	0.029162473	19.661741	hypothetical protein
AT5G60900	0.003385693	19.623001	receptor-like protein kinase 1
AT5G38310	0.008535659	19.590907	hypothetical protein
AT4G17490	0.003884700	19.562392	ethylene responsive element binding factor 6
AT3G55980	0.004771019	19.560894	salt-inducible zinc finger 1
AT5G17350	0.000468740	19.536983	hypothetical protein
AT3G16530	0.000473490	19.521821	Legume lectin family protein
AT3G17700	0.008308782	19.502999	cyclic nucleotide-binding transporter 1
AT1G17420	0.033387361	19.401114	lipxygenase 3
AT4G36500	0.003862932	19.376827	hypothetical protein
AT1G13210	0.020031244	19.212537	autoinhibited Ca ²⁺ /ATPase II
AT1G80820	0.038099170	19.156008	cinnamoyl coa reductase
AT5G06775	0.000020915	19.125014	NA
AT5G54710	0.000090442	19.111315	Ankyrin repeat family protein
AT2G31865	0.002921772	19.095835	poly(ADP-ribose) glycohydrolase 2
AT1G65481	0.000196099	18.989122	transmembrane protein
AT3G09830	0.000072454	18.946228	Protein kinase superfamily protein
AT2G02010	0.003654485	18.945975	glutamate decarboxylase 4
AT1G14260	0.010723674	18.875043	RING/FYVE/PHD zinc finger superfamily protein
AT5G28630	0.007969956	18.736763	glycine-rich protein
AT1G07000	0.002346079	18.537266	exocyst subunit exo70 family protein B2
AT4G18197	0.036615108	18.230009	purine permease 7
AT1G21326	0.004347912	18.153694	VQ motif-containing protein

AT4G23170	0.005635868	18.105115	receptor-like protein kinase-related family protein
AT4G24310	0.040372364	18.030699	transmembrane protein%2C putative (DUF679)
AT5G36970	0.034621501	18.020937	NDR1/HIN1-like 25
AT4G23180	0.011326607	17.9211	cysteine-rich RLK (RECEPTOR-like protein kinase) 10
AT2G40140	0.000061301	17.873071	zinc finger (CCCH-type) family protein
AT5G09800	0.004045136	17.857579	ARM repeat superfamily protein
AT3G25610	0.005126873	17.707484	ATPase E1-E2 type family protein / haloacid dehalogenase-like hydrolase family protein
AT3G21070	0.000772940	17.652663	NAD kinase 1
AT4G29780	0.000644101	17.647015	nuclease
AT3G19615	0.018759437	17.554703	beta-1%2C4-xylosidase
AT4G23190	0.002769017	17.550675	cysteine-rich RLK (RECEPTOR-like protein kinase) 11
AT3G02800	0.010810745	17.306491	Tyrosine phosphatase family protein
AT5G44585	0.022044417	17.300954	hypothetical protein
AT2G24165	0.033916335	16.963206	NA
AT1G64065	0.002748318	16.866632	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT2G31880	0.005021072	16.808311	Leucine-rich repeat protein kinase family protein
AT2G04515	0.031812837	16.744994	transmembrane protein
AT1G30757	0.039213223	16.741346	transmembrane protein
AT4G18205	0.022437662	16.709431	Nucleotide-sugar transporter family protein
AT1G56470	0.047242657	16.613468	NA
AT5G54720	0.037257503	16.589672	Ankyrin repeat family protein
AT2G15390	0.014031094	16.544911	fucosyltransferase 4
AT2G20142	0.000000311	16.464912	Toll-Interleukin-Resistance (TIR) domain family protein
AT5G08990	0.002186984	16.462774	NA
AT1G74360	0.020697484	16.444548	Leucine-rich repeat protein kinase family protein
AT1G80840	0.002964154	16.431701	WRKY DNA-binding protein 40
AT2G40180	0.000005561	16.416547	phosphatase 2C5
AT2G35930	0.007252766	16.411696	plant U-box 23
AT5G44910	0.000005164	16.393345	Toll-Interleukin-Resistance (TIR) domain family protein
AT2G15220	0.046444994	16.344963	Plant basic secretory protein (BSP) family protein
AT4G18253	0.002602098	16.276771	receptor Serine/Threonine kinase-like protein
AT5G64870	0.041948572	16.239817	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT1G63870	0.023446678	16.238853	Disease resistance protein (TIR-NBS-LRR class) family

AT2G46400	0.023310506	16.228229	WRKY DNA-binding protein 46
AT2G39650	0.000526611	16.129192	cruciferin (DUF506)
AT3G04220	0.009025668	15.757647	Disease resistance protein (TIR-NBS-LRR class) family
AT4G27280	0.004592753	15.755647	Calcium-binding EF-hand family protein
AT1G01340	0.002544976	15.604602	cyclic nucleotide gated channel 10
AT5G22250	0.012639028	15.571589	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein
AT1G57990	0.033494652	15.454472	purine permease 18
AT4G01700	0.007361921	15.451668	Chitinase family protein
AT3G10930	0.006900432	15.195888	hypothetical protein
AT5G59680	0.000126736	15.138874	Leucine-rich repeat protein kinase family protein
AT3G48450	0.026876677	14.878224	RPM1-interacting protein 4 (RIN4) family protein
AT1G61340	0.001288782	14.868402	F-box family protein
AT1G65850	0.000015760	14.859113	Disease resistance protein (TIR-NBS-LRR class) family
AT2G23680	0.001957387	14.788895	Cold acclimation protein WCOR413 family
AT1G30755	0.001216088	14.762936	elongation factor G%2C putative (DUF668)
AT4G04540	0.001255617	14.740871	cysteine-rich RLK (RECEPTOR-like protein kinase) 39
AT1G51820	0.000790190	14.689773	Leucine-rich repeat protein kinase family protein
AT1G13340	0.001549024	14.582138	Regulator of Vps4 activity in the MVB pathway protein
AT1G74440	0.012961249	14.497252	ER membrane protein%2C putative (DUF962)
AT4G39890	0.000954118	14.492258	RAB GTPase homolog H1C
AT2G40095	0.001387208	14.468776	Alpha/beta hydrolase related protein
AT1G11925	0.023835664	14.449649	Stigma-specific Stig1 family protein
AT2G20960	0.005695281	14.4208	phospholipase-like protein (PEARL1 4) family protein
AT5G39020	0.002868657	14.320292	Malectin/receptor-like protein kinase family protein
AT5G67340	0.018315721	14.236463	ARM repeat superfamily protein
AT2G35980	0.001912234	14.231333	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT3G18710	0.019928049	14.230636	plant U-box 29
AT1G69900	0.006687259	14.155014	Actin cross-linking protein
AT2G28815	0.007659526	14.07926	50S ribosomal protein L16
AT2G32210	0.006043021	14.072658	cysteine-rich/transmembrane domain A-like protein
AT4G22710	0.016786556	14.028187	cytochrome P450%2C family 706%2C subfamily A%2C polypeptide 2
AT2G37940	0.007961298	13.977685	Inositol phosphorylceramide synthase 2
AT2G47140	0.024255545	13.915324	NAD(P)-binding Rossmann-fold superfamily protein

AT3G15356	0.000873951	13.800052	Legume lectin family protein
AT4G35480	0.000229877	13.776059	RING-H2 finger A3B
AT5G45340	0.006743089	13.743101	cytochrome P450%2C family 707%2C subfamily A%2C polypeptide 3
AT1G17240	0.005498598	13.694627	receptor like protein 2
AT5G48657	0.011675846	13.651038	defense protein-like protein
AT2G22870	0.002043055	13.628088	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT3G21781	0.001119572	13.612137	NA
AT5G66210	0.004174906	13.563226	calcium-dependent protein kinase 28
AT5G15870	0.016496737	13.560875	glycosyl hydrolase family 81 protein
AT3G46930	0.006972066	13.473443	Protein kinase superfamily protein
AT1G69930	0.015441269	13.459712	glutathione S-transferase TAU 11
AT3G03030	0.010265107	13.446027	F-box/RNI-like superfamily protein
AT2G25460	0.009814825	13.38474	EEIG1/EHBP1 protein amino-terminal domain protein
AT5G38210	0.020590347	13.307038	Protein kinase family protein
AT2G39518	0.017553369	13.282622	Uncharacterized protein family (UPF0497)
AT1G14870	0.004130521	13.243603	PLANT CADMIUM RESISTANCE 2
AT3G52450	0.012556790	13.216812	plant U-box 22
AT1G59870	0.017608561	13.193826	ABC-2 and Plant PDR ABC-type transporter family protein
AT5G22680	0.000661350	13.171134	F-box protein
AT5G25930	0.011936459	13.06602	kinase family with leucine-rich repeat domain-containing protein
AT4G38550	0.003138286	13.033152	phospholipase-like protein (PEARLI 4) family protein
AT1G17260	0.045777682	12.900728	autoinhibited H[+]-ATPase isoform 10
AT1G73810	0.009996228	12.795669	Core-2/I-branching beta-1%2C6-N-acetylglucosaminyltransferase family protein
AT2G42060	0.024557639	12.777309	Cysteine/Histidine-rich C1 domain family protein
AT1G76970	0.005648737	12.722604	Target of Myb protein 1
AT1G30740	0.006329677	12.629908	FAD-binding Berberine family protein
AT1G59590	0.000000179	12.595295	ZCF37
AT1G51620	0.005586744	12.548207	Protein kinase superfamily protein
AT3G52520	0.002297674	12.521549	hypothetical protein
AT1G24150	0.003355371	12.447251	formin homologue 4
AT3G26500	0.006408869	12.42581	plant intracellular ras group-related LRR 2
AT5G59820	0.000005095	12.376884	C2H2-type zinc finger family protein
AT3G54420	0.018298965	12.185301	homolog of carrot EP3-3 chitinase

AT4G11280	0.005454683	12.181843	1-aminocyclopropane-1-carboxylic acid (acc) synthase 6
AT3G45640	0.004494765	12.072819	mitogen-activated protein kinase 3
AT1G24147	0.000705770	12.062847	transmembrane protein
AT5G41680	0.018509774	12.055641	Protein kinase superfamily protein
AT3G16720	0.002463365	12.054748	TOXICOS EN LEVADURA 2
AT2G36690	0.011703403	12.042378	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase superfamily protein
AT3G55150	0.007652878	11.935427	exocyst subunit exo70 family protein H1
AT4G31550	0.002719392	11.886346	WRKY DNA-binding protein 11
AT2G32020	0.010734370	11.871808	Acyl-CoA N-acyltransferases (NAT) superfamily protein
AT5G04340	0.014949423	11.849233	6
AT3G08720	0.003191695	11.821705	serine/threonine protein kinase 2
AT4G21920	0.026797136	11.819229	hypothetical protein
AT1G10340	0.000630592	11.76849	Ankyrin repeat family protein
AT5G42010	0.010136922	11.713647	Transducin/WD40 repeat-like superfamily protein
AT2G24160	0.002154698	11.665722	NA
AT1G72920	0.029708718	11.566879	Toll-Interleukin-Resistance (TIR) domain family protein
AT3G02695	0.001671988	11.565394	NA
AT1G74650	0.003932352	11.563294	myb domain protein 31
AT1G62300	0.016269369	11.434819	WRKY family transcription factor
AT5G66790	0.000183275	11.432794	Protein kinase superfamily protein
AT5G24040	0.003643844	11.411199	F-box SKIP23-like protein (DUF295)
AT1G53620	0.043571358	11.37007	transmembrane protein
AT3G05370	0.000009724	11.356863	receptor like protein 31
AT2G32200	0.009665573	11.356322	cysteine-rich/transmembrane domain A-like protein
AT5G66620	0.000000255	11.3356	DA1-related protein 6
AT5G64310	0.000510319	11.281347	arabinogalactan protein 1
AT5G42830	0.005786832	11.274962	HXXXD-type acyl-transferase family protein
AT1G61460	0.001953270	11.272404	G-type lectin S-receptor-like Serine/Threonine-kinase
AT2G19130	0.013594768	11.248204	S-locus lectin protein kinase family protein
AT5G48530	0.013661169	11.242124	hypothetical protein
AT1G02920	0.024486042	11.103656	glutathione S-transferase 7
AT5G46080	0.002065485	11.051607	Protein kinase superfamily protein
AT4G19520	0.038804768	11.04463	disease resistance protein (TIR-NBS-LRR class) family

AT1G73805	0.007821003	10.859912	Calmodulin binding protein-like protein
AT4G00970	0.028109418	10.856981	cysteine-rich RLK (RECEPTOR-like protein kinase) 41
AT5G48430	0.027673396	10.822765	Eukaryotic aspartyl protease family protein
AT4G34380	0.000014950	10.817031	Transducin/WD40 repeat-like superfamily protein
AT4G39640	0.010826608	10.769134	gamma-glutamyl transpeptidase 1
AT3G46090	0.000692907	10.663594	C2H2 and C2HC zinc fingers superfamily protein
AT1G50740	0.010524163	10.60659	Transmembrane proteins 14C
AT2G33710	0.000894563	10.588548	Integrase-type DNA-binding superfamily protein
AT4G30280	0.002517986	10.560866	xyloglucan endotransglucosylase/hydrolase 18
AT1G51700	0.004455448	10.483713	DOF zinc finger protein 1
AT4G20830	0.003588229	10.445312	FAD-binding Berberine family protein
AT1G16130	0.005868558	10.440499	wall associated kinase-like 2
AT3G16030	0.001434695	10.413526	lectin protein kinase family protein
AT4G01750	0.000014496	10.408643	rhamnogalacturonan xylosyltransferase 2
AT1G70170	0.005686977	10.359709	matrix metalloproteinase
AT2G44490	0.007379783	10.337467	Glycosyl hydrolase superfamily protein
AT3G46680	0.031814904	10.317414	UDP-Glycosyltransferase superfamily protein
AT1G61470	0.001610296	10.301322	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein
AT4G01010	0.002089424	10.201127	cyclic nucleotide-gated channel 13
AT3G23010	0.000027154	10.195001	receptor like protein 36
AT1G04567	0.044752867	10.184794	NA
AT1G18390	0.003778437	10.12505	Serine/Threonine kinase family catalytic domain protein
AT4G11300	0.001276099	10.12209	ROH1%2C putative (DUF793)
AT5G58120	0.010654038	10.051634	Disease resistance protein (TIR-NBS-LRR class) family
AT1G23710	0.003243205	10.034149	hypothetical protein (DUF1645)
AT1G51800	0.002600093	10.028536	Leucine-rich repeat protein kinase family protein
AT5G54490	0.031524044	10.00639	pinoid-binding protein 1
AT4G12720	0.001238849	9.9615139	MutT/nudix family protein
AT5G48380	0.002243140	9.9563807	BAK1-interacting receptor-like kinase 1
AT4G34390	0.003040187	9.9307158	extra-large GTP-binding protein 2
AT4G23030	0.001581864	9.8734361	MATE efflux family protein
AT3G57640	0.007255155	9.8683605	Protein kinase superfamily protein
AT3G11080	0.011751186	9.8596693	receptor like protein 35

AT4G01950	0.022951143	9.7603809	glycerol-3-phosphate acyltransferase 3
AT1G66465	0.046821049	9.700335	transmembrane protein
AT4G11521	0.020211576	9.666461	Receptor-like protein kinase-related family protein
AT1G68690	0.001511583	9.6569718	Protein kinase superfamily protein
AT1G72950	0.003219368	9.6417145	Disease resistance protein (TIR-NBS class)
AT2G26190	0.003268562	9.6344391	calmodulin-binding family protein
AT5G25910	0.002663416	9.5561161	receptor like protein 52
AT5G64660	0.000099579	9.5323409	CYS%2C MET%2C PRO%2C and GLY protein 2
AT4G22690	0.003957962	9.5133879	cytochrome P450%2C family 706%2C subfamily A%2C polypeptide 1
AT1G65690	0.045361315	9.4856989	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT5G41100	0.002819959	9.4769126	hydroxyproline-rich glycoprotein family protein
AT1G71400	0.000057826	9.4642874	receptor like protein 12
AT4G34150	0.004898655	9.4003	Calcium-dependent lipid-binding (CaLB domain) family protein
AT1G04625	0.008576808	9.3735973	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein
AT2G36220	0.006971758	9.3731254	hypothetical protein
AT2G33580	0.006536319	9.3545221	Protein kinase superfamily protein
AT3G28340	0.007045106	9.3066744	galacturonosyltransferase-like 10
AT3G44260	0.003418008	9.2983968	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein
AT5G58940	0.016413793	9.239581	calmodulin-binding receptor-like cytoplasmic kinase 1
AT5G05190	0.000438813	9.2184662	hypothetical protein (DUF3133)
AT4G23550	0.005111348	9.2095116	WRKY family transcription factor
AT4G04700	0.014617110	9.1939235	calcium-dependent protein kinase 27
AT4G39570	0.024867070	9.183773	Galactose oxidase/kelch repeat superfamily protein
AT1G21130	0.016484719	9.1095199	O-methyltransferase family protein
AT5G22690	0.006257059	9.0819627	Disease resistance protein (TIR-NBS-LRR class) family
AT3G10720	0.008154744	9.0636679	Plant invertase/pectin methylesterase inhibitor superfamily
AT2G46940	0.006746153	8.9786754	fold protein
AT4G02410	0.011751109	8.9741497	Concanavalin A-like lectin protein kinase family protein
AT2G13800	0.016084306	8.9621644	somatic embryogenesis receptor-like kinase 5
AT3G51300	0.030957554	8.957704	RHO-related protein from plants 1
AT3G20520	0.008253932	8.9576997	SHV3-like 3
AT1G02930	0.009759027	8.9297631	glutathione S-transferase 6
AT5G47960	0.005849072	8.9056597	RAB GTPase homolog A4C

AT4G30210	0.007226079	8.9045251	P450 reductase 2
AT1G69890	0.005754911	8.7763049	actin cross-linking protein (DUF569)
AT3G45960	0.024572272	8.7487412	expansin-like A3
AT1G09940	0.001640424	8.7175643	Glutamyl-tRNA reductase family protein
AT4G23200	0.012170045	8.7149298	cysteine-rich RLK (RECEPTOR-like protein kinase) 12
AT2G13790	0.003252109	8.7078418	somatic embryogenesis receptor-like kinase 4
AT1G72900	0.017802207	8.6774965	Toll-Interleukin-Resistance (TIR) domain-containing protein
AT3G23250	0.029698269	8.6493142	myb domain protein 15
AT2G37830	0.034586829	8.6335989	NA
AT1G32920	0.007403554	8.6286617	hypothetical protein
AT5G47910	0.022274664	8.6286204	respiratory burst oxidase homologue D
AT4G11850	0.009514755	8.6231511	phospholipase D gamma 1
AT1G20823	0.003454414	8.6124822	RING/U-box superfamily protein
AT5G46520	0.010238863	8.5559158	Disease resistance protein (TIR-NBS-LRR class) family
AT4G23210	0.000060083	8.5427746	cysteine-rich RLK (RECEPTOR-like protein kinase) 13
AT1G27770	0.015085642	8.5251982	autoinhibited Ca ²⁺ -ATPase 1
AT5G12880	0.010658746	8.5186255	proline-rich family protein
AT1G55365	0.001718690	8.5181517	hypothetical protein
AT1G18300	0.007977950	8.4912591	nudix hydrolase homolog 4
AT5G49520	0.000917022	8.4173219	WRKY DNA-binding protein 48
AT1G19780	0.018204789	8.3934959	cyclic nucleotide gated channel 8
AT3G11820	0.033555528	8.3924787	syntaxin of plants 121
AT3G28850	0.000302256	8.3815068	Glutaredoxin family protein
AT3G59700	0.017580755	8.3738691	lectin-receptor kinase
AT1G01480	0.010481221	8.3414465	1-amino-cyclopropane-1-carboxylate synthase 2
AT3G13900	0.042697273	8.3291491	ATPase E1-E2 type family protein / haloacid dehalogenase-like hydrolase family protein
AT4G08850	0.022166677	8.3211391	Leucine-rich repeat receptor-like protein kinase family protein
AT4G37640	0.005389571	8.3108336	calcium ATPase 2
AT4G25719	0.013712654	8.2865209	NA
AT3G16860	0.013211132	8.2464044	COBRA-like protein 8 precursor
AT3G09870	0.022628176	8.2415863	SAUR-like auxin-responsive protein family
AT4G37770	0.012343368	8.1218199	1-amino-cyclopropane-1-carboxylate synthase 8
AT5G23510	0.004186905	8.1039488	hypothetical protein

AT1G33600	0.000060708	8.0891774	Leucine-rich repeat (LRR) family protein
AT1G67520	0.048420477	8.0608785	lectin protein kinase family protein
AT4G01250	0.004040131	8.0491338	WRKY family transcription factor
AT1G11310	0.013398115	8.0399102	Seven transmembrane MLO family protein
AT4G12120	0.002145903	7.9719257	Sec1/munc18-like (SM) proteins superfamily
AT1G42990	0.003969844	7.9716574	basic region/leucine zipper motif 60
AT2G35000	0.000935360	7.966739	RING/U-box superfamily protein
AT3G50950	0.003504144	7.9485249	HOPZ-ACTIVATED RESISTANCE 1
AT5G66675	0.012435271	7.9381288	transmembrane protein%2C putative (DUF677)
AT1G59910	0.003897911	7.9103642	Actin-binding FH2 (formin homology 2) family protein
AT3G01835	0.031251677	7.9013265	NA
AT2G32190	0.004522730	7.8998025	cysteine-rich/transmembrane domain A-like protein
AT3G56710	0.001642171	7.8290324	sigma factor binding protein 1
AT1G51660	0.001144629	7.822222	mitogen-activated protein kinase kinase 4
AT2G46620	0.003080793	7.8172628	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT5G61560	0.006520658	7.816017	U-box domain-containing protein kinase family protein
AT1G19770	0.015278187	7.8090125	purine permease 14
AT5G59730	0.010870134	7.8004649	exocyst subunit exo70 family protein H7
AT1G56540	0.006346640	7.7852636	Disease resistance protein (TIR-NBS-LRR class) family
AT1G70420	0.010983685	7.7596138	DNA ligase-like protein%2C putative (DUF1645)
AT5G46910	0.001711838	7.7584163	Transcription factor jumonji (jmj) family protein / zinc finger (C5HC2 type) family protein
AT3G26910	0.001688312	7.7489433	hydroxyproline-rich glycoprotein family protein
AT3G50760	0.006901001	7.7453136	galacturonosyltransferase-like 2
AT1G66880	0.008653544	7.7325691	Protein kinase superfamily protein
AT2G33110	0.002688593	7.7236562	vesicle-associated membrane protein 723
AT1G07647	0.049681545	7.702491	NA
AT1G76070	0.001399847	7.6812951	hypothetical protein
AT5G25920	0.030956654	7.6589954	hypothetical protein
AT1G08050	0.000000838	7.6579616	Zinc finger (C3HC4-type RING finger) family protein
AT5G66650	0.011055767	7.654662	calcium uniporter (DUF607)
AT1G03370	0.000450826	7.6292286	C2 calcium/lipid-binding and GRAM domain containing protein
AT5G26030	0.006446332	7.6042505	ferrochelatase 1
AT3G57450	0.024789666	7.5721768	hypothetical protein

AT3G50260	0.023386986	7.5560749	cooperatively regulated by ethylene and jasmonate 1
AT1G70581	0.028540209	7.5238878	NA
AT5G54860	0.002116328	7.5186989	Major facilitator superfamily protein
AT5G06320	0.005296439	7.4814526	NDR1/HIN1-like 3
AT1G70140	0.002360089	7.4708525	formin 8
AT3G46080	0.004076752	7.4355648	C2H2-type zinc finger family protein
AT4G28350	0.017840480	7.4219109	Concanavalin A-like lectin protein kinase family protein
AT5G63390	0.023758447	7.3733119	O-fucosyltransferase family protein
AT3G57740	0.012246690	7.2458697	Protein kinase superfamily protein
AT4G18170	0.017655747	7.235082	WRKY DNA-binding protein 28
AT1G56140	0.003341671	7.2157807	Leucine-rich repeat transmembrane protein kinase
AT1G29690	0.003986424	7.198256	MAC/Perforin domain-containing protein
AT1G51790	0.001104074	7.1391271	Leucine-rich repeat protein kinase family protein
AT5G39580	0.006074519	7.1347045	Peroxidase superfamily protein
AT1G59865	0.014364605	7.109708	transmembrane protein
AT2G47550	0.030490657	7.1032142	Plant invertase/pectin methylesterase inhibitor superfamily
AT3G54410	0.002528457	7.0985436	hypothetical protein (DUF1163)
AT3G46620	0.004010946	7.0973027	zinc finger (C3HC4-type RING finger) family protein
AT1G18970	0.005374015	7.0735378	germin-like protein 4
AT1G04370	0.017494863	7.0681161	Ethylene-responsive element binding factor 14
AT2G09925	0.027769885	7.0412986	NA
AT2G28830	0.000322084	7.0239895	armadillo/beta-catenin repeat protein
AT5G61210	0.006610569	7.0142671	soluble N-ethylmaleimide-sensitive factor adaptor protein 33
AT5G52790	0.009043626	6.9725206	CBS domain protein with a domain protein (DUF21)
AT5G37450	0.008834413	6.9530941	Leucine-rich repeat protein kinase family protein
AT3G46110	0.000171638	6.9430152	UPSTREAM OF FLC-like protein (DUF966)
AT1G67800	0.003715093	6.9359945	Copine (Calcium-dependent phospholipid-binding protein) family
AT4G19370	0.009797892	6.90274	chitin synthase%2C putative (DUF1218)
AT3G52430	0.018099500	6.8657611	alpha/beta-Hydrolases superfamily protein
AT1G70130	0.005483931	6.8480448	Concanavalin A-like lectin protein kinase family protein
AT5G66070	0.010358889	6.8474737	RING/U-box superfamily protein
AT1G33610	0.005515593	6.8290015	Leucine-rich repeat (LRR) family protein
AT1G63245	0.012368552	6.8099192	CLAVATA3/ESR-RELATED 14

AT3G63060	0.041168036	6.8026876	EID1-like 3
AT2G05875	0.007238622	6.7977432	NA
AT5G64120	0.005719932	6.7364666	Peroxidase superfamily protein
AT1G64010	0.039506411	6.7332761	Serine protease inhibitor (SERPIN) family protein
AT1G77390	0.001160162	6.7316815	CYCLIN A1%3B2
AT5G02690	0.005516718	6.7314028	hypothetical protein
AT5G01005	0.000078803	6.7284689	NA
AT4G16957	0.028281290	6.7254276	SUPPRESSOR OF%2C CONSTITUTIVE protein
AT4G40080	0.004384683	6.7152457	ENTH/ANTH/VHS superfamily protein
AT1G28380	0.001115902	6.713088	MAC/Perforin domain-containing protein
AT5G67430	0.003763266	6.7030484	Acyl-CoA N-acyltransferases (NAT) superfamily protein
AT1G34420	0.024133887	6.6905959	leucine-rich repeat transmembrane protein kinase family protein
AT2G20880	0.014617962	6.6789257	Integrase-type DNA-binding superfamily protein
AT5G48410	0.045052350	6.6759154	glutamate receptor 1.3
AT1G78860	0.004394771	6.6716294	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain-containing protein
AT3G09010	0.019919339	6.6434528	Protein kinase superfamily protein
AT2G35637	0.015181503	6.6342479	NA
AT4G28550	0.001161440	6.6263393	Ypt/Rab-GAP domain of gyp1p superfamily protein
AT3G26980	0.000001657	6.6235643	membrane-anchored ubiquitin-fold protein 4 precursor
AT2G23810	0.004097902	6.6171171	tetraspanin8
AT1G76600	0.000001436	6.6031928	poly polymerase
AT1G14370	0.005545595	6.5914141	protein kinase 2A
AT2G15040	0.027976877	6.5862778	NA
AT2G04500	0.000422091	6.5809074	Cysteine/Histidine-rich C1 domain family protein
AT1G65486	0.004391635	6.5633111	transmembrane protein
AT4G29050	0.018497798	6.5611305	Concanavalin A-like lectin protein kinase family protein
AT3G47875	0.044867428	6.5449172	NA
AT4G18880	0.000045633	6.5435259	heat shock transcription factor A4A
AT2G23770	0.000005870	6.525094	protein kinase family protein / peptidoglycan-binding LysM domain-containing protein
AT3G19002	0.002231871	6.48478	NA
AT1G11050	0.005137452	6.484401	Protein kinase superfamily protein
AT4G11330	0.021250597	6.466088	MAP kinase 5
AT2G15480	0.003647190	6.4602722	UDP-glucosyl transferase 73B5

AT4G15233	0.026029355	6.4446112	ABC-2 and Plant PDR ABC-type transporter family protein
AT1G33760	0.000032735	6.4321679	Integrase-type DNA-binding superfamily protein
AT3G28210	0.005112127	6.4293028	zinc finger (AN1-like) family protein
AT1G16110	0.002871462	6.3900985	wall associated kinase-like 6
AT3G03125	0.030696153	6.3838085	NA
AT1G64610	0.005110452	6.3827269	Transducin/WD40 repeat-like superfamily protein
AT3G19010	0.012141975	6.3720726	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase superfamily protein
AT1G09950	0.016460705	6.3354348	RESPONSE TO ABA AND SALT 1
AT2G31870	0.000004874	6.3244945	Poly (ADP-ribose) glycohydrolase (PARG)
AT1G67470	0.000322557	6.3098175	Protein kinase superfamily protein
AT1G14040	0.029909825	6.3001546	EXS (ERD1/XPR1/SYG1) family protein
AT3G13100	0.007595491	6.2769469	multidrug resistance-associated protein 7
AT5G44568	0.012036083	6.2675771	transmembrane protein
AT1G65240	0.003085279	6.2665639	Eukaryotic aspartyl protease family protein
AT4G31800	0.015163618	6.2641608	WRKY DNA-binding protein 18
AT3G25600	0.000007995	6.2495573	Calcium-binding EF-hand family protein
AT5G45000	0.026774624	6.2409606	Disease resistance protein (TIR-NBS-LRR class) family
AT3G20600	0.000369368	6.2307497	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT5G63130	0.001760733	6.1928952	Octicosapeptide/Phox/Bem1p family protein
AT4G34460	0.007451597	6.1373658	GTP binding protein beta 1
AT3G47820	0.000775947	6.1297782	PLANT U-BOX 39
AT4G24160	0.000588650	6.1254882	alpha/beta-Hydrolases superfamily protein
AT3G59080	0.001750048	6.1248579	Eukaryotic aspartyl protease family protein
AT3G05580	0.000182341	6.0645162	Calcineurin-like metallo-phosphoesterase superfamily protein
AT3G57530	0.016266157	6.0522212	calcium-dependent protein kinase 32
AT3G13600	0.014067810	6.0469089	calmodulin-binding family protein
AT1G71697	0.005216372	6.0364855	choline kinase 1
AT4G22640	0.043101939	6.017872	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein
AT3G48090	0.000012945	6.0078913	alpha/beta-Hydrolases superfamily protein
AT4G02200	0.002154253	5.9746082	Drought-responsive family protein
AT1G51850	0.006678945	5.9662691	Leucine-rich repeat protein kinase family protein
AT1G72280	0.014538701	5.9617549	endoplasmic reticulum oxidoreductins 1
AT5G18470	0.022165828	5.9518819	Curculin-like (mannose-binding) lectin family protein

AT1G75000	0.000197900	5.9165453	GNS1/SUR4 membrane protein family
AT1G52200	0.001611863	5.8583871	PLAC8 family protein
AT3G49530	0.006911939	5.8557062	NAC domain containing protein 62
AT3G23120	0.015285369	5.8498735	receptor like protein 38
AT1G34260	0.000004267	5.8437342	FORMS APLOID AND BINUCLEATE CELLS 1A
AT3G47090	0.048118976	5.8391374	Leucine-rich repeat protein kinase family protein
AT3G21630	0.001116299	5.8341174	chitin elicitor receptor kinase 1
AT1G56510	0.007280340	5.8313477	Disease resistance protein (TIR-NBS-LRR class)
AT3G55950	0.000029827	5.8075978	CRINKLY4 related 3
AT5G46510	0.002787324	5.7810636	Disease resistance protein (TIR-NBS-LRR class) family
AT3G09405	0.000039902	5.7481061	Pectinacylesterase family protein
AT5G06090	0.029607269	5.7412414	glycerol-3-phosphate acyltransferase 7
AT2G24130	0.005769477	5.718752	Leucine-rich receptor-like protein kinase family protein
AT1G66500	0.000194016	5.716265	Pre-mRNA cleavage complex II
AT1G08930	0.014236739	5.711243	Major facilitator superfamily protein
AT4G29740	0.004149485	5.6992487	cytokinin oxidase 4
AT1G30730	0.016740867	5.6957677	FAD-binding Berberine family protein
AT5G10695	0.004454535	5.6829743	methionyl-tRNA synthetase
AT3G13437	0.005670330	5.6267582	transmembrane protein
AT1G16120	0.000277360	5.6248844	wall associated kinase-like 1
AT2G41100	0.000896238	5.6194039	Calcium-binding EF hand family protein
AT1G72910	0.024426907	5.6115395	Toll-Interleukin-Resistance (TIR) domain-containing protein
AT5G44060	0.014792471	5.5942377	embryo sac development arrest protein
AT1G25390	0.001493594	5.5890658	Protein kinase superfamily protein
AT5G15130	0.048808795	5.5800797	WRKY DNA-binding protein 72
AT1G23840	0.009528391	5.570189	transmembrane protein
AT1G21010	0.000010962	5.5594104	poly polymerase
AT3G08710	0.001582933	5.5523519	thioredoxin H-type 9
AT1G30720	0.006858978	5.5472842	FAD-binding Berberine family protein
AT3G10815	0.013422555	5.5468205	RING/U-box superfamily protein
AT3G13850	0.012657660	5.5079874	LOB domain-containing protein 22
AT5G40170	0.003156876	5.506163	receptor like protein 54
AT1G67920	0.034930065	5.4958869	hypothetical protein

AT2G24570	0.000012150	5.4936094	WRKY DNA-binding protein 17
AT5G13190	0.002167752	5.4915294	GSH-induced LITAF domain protein
AT2G28400	0.004252587	5.4885955	senescence regulator (Protein of unknown function%2C DUF584)
AT3G52748	0.041462615	5.4816002	NA
AT3G53280	0.022692903	5.4691054	cytochrome p450 71b5
AT3G06890	0.003518192	5.4646676	transmembrane protein
AT3G07600	0.007964902	5.4587678	Heavy metal transport/detoxification superfamily protein
AT5G02290	0.000571764	5.4574766	Protein kinase superfamily protein
AT1G63720	0.000004174	5.4535962	hydroxyproline-rich glycoprotein family protein
AT5G12930	0.001218702	5.4529069	inactive rhomboid protein
AT1G63750	0.005331147	5.447134	Disease resistance protein (TIR-NBS-LRR class) family
AT4G02330	0.031363213	5.4470889	Plant invertase/pectin methylesterase inhibitor superfamily
AT5G48400	0.006251275	5.4461208	Glutamate receptor family protein
AT4G36550	0.003787486	5.4363896	ARM repeat superfamily protein
AT2G30020	0.004201895	5.4355788	Protein phosphatase 2C family protein
AT2G31945	0.008511188	5.4212702	transmembrane protein
AT1G33420	0.014469094	5.4038485	RING/FYVE/PHD zinc finger superfamily protein
AT2G31990	0.008136351	5.3919756	Exostosin family protein
AT5G11670	0.005443069	5.3664841	NADP-malic enzyme 2
AT2G47060	0.005580474	5.3576818	Protein kinase superfamily protein
AT5G06230	0.001303403	5.3360454	TRICHOME BIREFRINGENCE-LIKE 9
AT1G68330	0.007011341	5.291647	membrane-associated kinase regulator
AT3G22910	0.012340736	5.2852627	ATPase E1-E2 type family protein / haloacid dehalogenase-like hydrolase family protein
AT2G37370	0.038747273	5.2656218	centrosomal protein of 135 kDa-like protein
AT1G16670	0.004155738	5.2584097	Protein kinase superfamily protein
AT1G76680	0.000714085	5.2481895	12-oxophytodienoate reductase 1
AT1G03740	0.006617784	5.2473801	Protein kinase superfamily protein
AT2G17220	0.002996940	5.2454271	Protein kinase superfamily protein
AT1G07897	0.033864150	5.244744	NA
AT5G25050	0.002307961	5.230547	Major facilitator superfamily protein
AT2G22890	0.021352699	5.2267171	Kua-ubiquitin conjugating enzyme hybrid localization domain-containing protein
AT2G36770	0.009887770	5.2266594	UDP-Glycosyltransferase superfamily protein
AT5G03390	0.009754509	5.2181041	hypothetical protein (DUF295)

AT1G09363	0.013394623	5.210316	NA
AT4G01090	0.002272501	5.1974133	hypothetical protein (DUF3133)
AT3G45650	0.000088093	5.1735121	nitrate excretion transporter1
AT1G16640	0.033399659	5.1603615	AP2/B3-like transcriptional factor family protein
AT3G16510	0.000490127	5.1548586	Calcium-dependent lipid-binding (CaLB domain) family protein
AT1G30620	0.000183443	5.1299753	NAD(P)-binding Rossmann-fold superfamily protein
AT3G08870	0.000492939	5.1219754	Concanavalin A-like lectin protein kinase family protein
AT1G72960	0.012276876	5.1128867	Root hair defective 3 GTP-binding protein (RHD3)
AT2G29720	0.003393975	5.1127594	FAD/NAD(P)-binding oxidoreductase family protein
AT1G80450	0.000631022	5.1075172	VQ motif-containing protein
AT3G44400	0.006826026	5.1016227	Disease resistance protein (TIR-NBS-LRR class) family
AT5G01830	0.000893578	5.1004853	ARM repeat superfamily protein
AT4G27980	0.000580970	5.0954054	trichohyalin-like protein (DUF3444)
AT5G65300	0.021475917	5.0594187	hypothetical protein
AT1G61800	0.045490330	5.0569349	glucose-6-phosphate/phosphate translocator 2
AT5G46500	0.014761599	5.0443698	protein VARIATION IN COMPOUND TRIGGERED ROOT growth protein
AT5G53230	0.042712793	5.0441068	hypothetical protein (DUF295)
AT5G03380	0.002975627	5.0430807	Heavy metal transport/detoxification superfamily protein
AT1G61370	0.007781284	5.0411352	S-locus lectin protein kinase family protein
AT4G38940	0.009536302	5.0391796	Galactose oxidase/kelch repeat superfamily protein
AT1G65510	0.005160090	5.0300653	transmembrane protein
AT5G62470	0.001946766	5.012644	myb domain protein 96
AT4G22470	0.017583021	5.008733	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
AT3G50470	0.005938881	4.9982671	homolog of RPW8 3
AT3G50190	0.021716114	4.9871327	transmembrane protein%2C putative (DUF247)
AT1G19380	0.004879264	4.9833193	sugar%2C putative (DUF1195)
AT5G40180	0.028606957	4.9817795	Pmr5/Cas1p GDSL/SGNH-like acyl-esterase family protein
AT4G25707	0.038684191	4.9675321	splicing factor 3A subunit
AT1G66160	0.004991840	4.9660177	CYS%2C MET%2C PRO%2C and GLY protein 1
AT5G46470	0.007659913	4.9648348	disease resistance protein (TIR-NBS-LRR class) family
AT2G08585	0.018390682	4.9488524	NA
AT2G38870	0.009289108	4.9430533	Serine protease inhibitor%2C potato inhibitor I-type family protein
AT1G32928	0.000333034	4.942716	Avr9/Cf-9 rapidly elicited protein

AT5G61600	0.002062871	4.9401017	ethylene response factor 104
AT1G22280	0.000655606	4.9154028	phytochrome-associated protein phosphatase type 2C
AT2G15042	0.009386956	4.9080074	Leucine-rich repeat (LRR) family protein
AT1G66170	0.005246626	4.8741683	RING/FYVE/PHD zinc finger superfamily protein
AT2G23320	0.002166848	4.8690287	WRKY DNA-binding protein 15
AT1G73540	0.000453533	4.8636345	nudix hydrolase homolog 21
AT2G40000	0.006790765	4.863451	ortholog of sugar beet HS1 PRO-1 2
AT1G72940	0.012272155	4.8626264	Toll-Interleukin-Resistance (TIR) domain-containing protein
AT2G46440	0.003106621	4.8550184	cyclic nucleotide-gated channels
AT5G24600	0.006129162	4.8463944	TRP-like ion channel protein (Protein of unknown function%2C DUF599)
AT3G19970	0.003368834	4.844663	alpha/beta-Hydrolases superfamily protein
AT4G38830	0.001408162	4.8436482	cysteine-rich RLK (RECEPTOR-like protein kinase) 26
AT2G42350	0.001978711	4.8436243	RING/U-box superfamily protein
AT4G26120	0.000147228	4.8404096	Ankyrin repeat family protein / BTB/POZ domain-containing protein
AT5G49850	0.040063258	4.8339447	Mannose-binding lectin superfamily protein
AT5G58430	0.002808175	4.8336448	exocyst subunit exo70 family protein B1
AT1G63830	0.002373766	4.8330352	PLAC8 family protein
AT1G15890	0.000075298	4.820951	Disease resistance protein (CC-NBS-LRR class) family
AT3G51660	0.017853775	4.80466	Tautomerase/MIF superfamily protein
AT5G14930	0.009402820	4.7990109	senescence-associated gene 101
AT5G16170	0.015417394	4.7822118	Core-2/I-branching beta-1%2C6-N-acetylglucosaminyltransferase family protein
AT1G67060	0.003062836	4.7731764	peptidase M50B-like protein
AT4G13820	0.002337354	4.7704731	Leucine-rich repeat (LRR) family protein
AT1G28190	0.012062323	4.7668905	hypothetical protein
AT1G03220	0.000083578	4.764413	Eukaryotic aspartyl protease family protein
AT3G22370	0.012287434	4.7635663	alternative oxidase 1A
AT1G15190	0.047178148	4.7432112	Fasciclin-like arabinogalactan family protein
AT5G01050	0.000441787	4.7151321	Laccase/Diphenol oxidase family protein
AT3G63350	0.044281915	4.7108851	winged-helix DNA-binding transcription factor family protein
AT3G01840	0.029239983	4.6926554	Protein kinase superfamily protein
AT1G78850	0.018214411	4.6851696	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain-containing protein
AT4G16960	0.043945151	4.6759998	disease resistance protein (TIR-NBS-LRR class)
AT4G19920	0.015931119	4.6677015	Toll-Interleukin-Resistance (TIR) domain family protein

AT1G14420	0.018139594	4.6671332	Pectate lyase family protein
AT3G03855	0.000815653	4.658968	NA
AT1G65845	0.005612713	4.6579497	transmembrane protein
AT1G25370	0.018521486	4.6574073	hypothetical protein (DUF1639)
AT1G18740	0.019218207	4.6479661	ROH1%2C putative (DUF793)
AT3G22060	0.000183083	4.6387627	Receptor-like protein kinase-related family protein
AT5G66850	0.003879402	4.6339274	mitogen-activated protein kinase kinase kinase 5
AT3G46280	0.006984298	4.6290075	kinase-like protein
AT1G23830	0.017983772	4.6185631	transmembrane protein
AT4G27970	0.011676153	4.6067678	SLAC1 homologue 2
AT3G18690	0.005467130	4.5955897	MAP kinase substrate 1
AT5G42050	0.016255246	4.5893526	DCD (Development and Cell Death) domain protein
AT1G10040	0.019041949	4.573506	alpha/beta-Hydrolases superfamily protein
AT3G19580	0.015329915	4.5728585	zinc-finger protein 2
AT2G41835	0.000883710	4.5713289	zinc finger (C2H2 type%2C AN1-like) family protein
AT2G09225	0.004527960	4.5645136	NA
AT4G23270	0.001799436	4.5591463	cysteine-rich RLK (RECEPTOR-like protein kinase) 19
AT1G70740	0.004258111	4.5571029	Protein kinase superfamily protein
AT2G36210	0.003894309	4.5360955	SAUR-like auxin-responsive protein family
AT3G04210	0.003108386	4.5245536	Disease resistance protein (TIR-NBS class)
AT2G41640	0.015349333	4.5225047	Glycosyltransferase family 61 protein
AT3G47570	0.000694320	4.5220234	Leucine-rich repeat protein kinase family protein
AT5G66630	0.000010143	4.5191689	DA1-related protein 5
AT3G45440	0.033321613	4.5103053	Concanavalin A-like lectin protein kinase family protein
AT5G57035	0.008391546	4.5076832	U-box domain-containing protein kinase family protein
AT4G17615	0.004345752	4.4941678	calcineurin B-like protein 1
AT1G11200	0.009176675	4.4924237	organic solute transporter ostalpha protein (DUF300)
AT5G46710	0.007474605	4.4910415	PLATZ transcription factor family protein
AT5G17680	0.000481537	4.48918	disease resistance protein (TIR-NBS-LRR class)
AT4G35380	0.013785807	4.4884038	SEC7-like guanine nucleotide exchange family protein
AT2G39210	0.007732626	4.4844384	Major facilitator superfamily protein
AT4G14610	0.009169619	4.4683465	NA
AT1G29290	0.000108796	4.464911	B-cell lymphoma 6 protein

AT5G40540	0.001275177	4.4609174	Protein kinase superfamily protein
AT5G44820	0.041106969	4.4583977	Nucleotide-diphospho-sugar transferase family protein
AT1G16160	0.017464472	4.4572267	wall associated kinase-like 5
AT5G52830	0.008013841	4.4488239	WRKY DNA-binding protein 27
AT1G06140	0.000021737	4.426078	Pentatricopeptide repeat (PPR) superfamily protein
AT2G43620	0.003622592	4.4226808	Chitinase family protein
AT2G19710	0.007103343	4.4198753	Regulator of Vps4 activity in the MVB pathway protein
AT5G11650	0.000869859	4.4195146	alpha/beta-Hydrolases superfamily protein
AT5G35580	0.038622229	4.4193787	Protein kinase superfamily protein
AT5G55090	0.000879128	4.3876598	mitogen-activated protein kinase kinase kinase 15
AT1G68340	0.001357866	4.3822139	hypothetical protein (DUF1639)
AT1G13530	0.029336050	4.3615222	hypothetical protein (DUF1262)
AT2G31230	0.001022972	4.3583959	ethylene-responsive element binding factor 15
AT3G51920	0.012515764	4.3567499	calmodulin 9
AT5G18400	0.000541113	4.344134	Cytokine-induced anti-apoptosis inhibitor 1%2C Fe-S biogenesis
AT1G67880	0.011484570	4.3387858	beta-1%2C4-N-acetylglucosaminyltransferase family protein
AT2G17120	0.000035691	4.3291905	lysm domain GPI-anchored protein 2 precursor
AT3G13435	0.018002811	4.3281406	transmembrane protein
AT3G20510	0.004182923	4.3141445	Transmembrane proteins 14C
AT3G22260	0.014258517	4.2733306	Cysteine proteinases superfamily protein
AT4G24110	0.007409099	4.2716153	NADP-specific glutamate dehydrogenase
AT5G42440	0.000261324	4.2679877	Protein kinase superfamily protein
AT2G35730	0.033650333	4.2446668	Heavy metal transport/detoxification superfamily protein
AT4G25390	0.000364091	4.2434815	Protein kinase superfamily protein
AT4G33985	0.008285484	4.2412174	membrane insertase%2C putative (DUF1685)
AT2G17705	0.003964955	4.2315444	methionine-S-oxide reductase
AT2G03530	0.000534411	4.2310821	ureide permease 2
AT4G22780	0.006914004	4.2202326	ACT domain repeat 7
AT5G25440	0.000065397	4.2173587	Protein kinase superfamily protein
AT1G31130	0.027521856	4.2101234	polyadenylate-binding protein 1-B-binding protein
AT4G09570	0.000381936	4.1941874	calcium-dependent protein kinase 4
AT2G26410	0.013001387	4.1908906	IQ-domain 4
AT3G50480	0.001762313	4.182831	homolog of RPW8 4

AT2G30690	0.020774797	4.1815342	lateral signaling target-like protein (Protein of unknown function%2C DUF593)
AT1G33030	0.002902675	4.1793551	O-methyltransferase family protein
AT2G41010	0.001986311	4.1780459	calmodulin (CAM)-binding protein of 25 kDa
AT3G44630	0.008002107	4.1778127	Disease resistance protein (TIR-NBS-LRR class) family
AT2G07715	0.033375723	4.1657456	Nucleic acid-binding%2C OB-fold-like protein
AT5G39000	0.010279473	4.1535298	Malectin/receptor-like protein kinase family protein
AT5G61090	0.039704629	4.150706	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein
AT3G09032	0.001082616	4.1496018	josephin-like protein
AT5G20230	0.001888303	4.1449384	blue-copper-binding protein
AT2G40270	0.016479470	4.144318	Protein kinase family protein
AT5G19230	0.001777685	4.1396312	Glycoprotein membrane precursor GPI-anchored
AT3G08760	0.008279079	4.1133268	Protein kinase superfamily protein
AT2G47130	0.002093928	4.1071707	NAD(P)-binding Rossmann-fold superfamily protein
AT5G01640	0.010699966	4.1038353	prenylated RAB acceptor 1.B5
AT2G16870	0.000924908	4.102913	Disease resistance protein (TIR-NBS-LRR class) family
AT4G35600	0.000149362	4.093629	Protein kinase superfamily protein
AT2G24610	0.000127748	4.0927284	cyclic nucleotide-gated channel 14
AT1G69840	0.001882680	4.0919246	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT3G55450	0.000197086	4.0865189	PBS1-like 1
AT1G63740	0.005543285	4.0841945	Disease resistance protein (TIR-NBS-LRR class) family
AT3G60415	0.030008684	4.0794057	phosphoglycerate mutase family protein
AT1G35610	0.046234736	4.0694031	Cysteine/Histidine-rich C1 domain family protein
AT5G66900	0.000054509	4.0683986	Disease resistance protein (CC-NBS-LRR class) family
AT1G03730	0.001037466	4.0602208	pyrroline-5-carboxylate reductase
AT5G20480	0.005758506	4.0575147	EF-TU receptor
AT3G13090	0.015917811	4.0416595	multidrug resistance-associated protein 8
AT2G32240	0.000113462	4.0415994	early endosome antigen
AT2G14290	0.007844560	4.025478	LL-diaminopimelate protein (DUF295)
AT5G61010	0.000357017	4.0140854	exocyst subunit exo70 family protein E2
AT5G01950	0.014816014	4.0126725	Leucine-rich repeat protein kinase family protein
AT5G24590	0.004115287	4.0081564	TCV-interacting protein
AT3G26680	0.000272975	4.0041009	DNA repair metallo-beta-lactamase family protein
AT5G11290	0.022423539	3.982263	transmembrane protein%2C putative (DUF247)

AT1G76700	0.002943087	3.9809821	DNAJ heat shock N-terminal domain-containing protein
AT4G25810	0.017411218	3.979502	xyloglucan endotransglycosylase 6
AT3G44720	0.013740595	3.9777558	arogenate dehydratase 4
AT2G22470	0.004377205	3.9543969	arabinogalactan protein 2
AT3G21080	0.009736793	3.9510895	ABC transporter-like protein
AT4G17900	0.001702888	3.9486151	PLATZ transcription factor family protein
AT5G64750	0.014892512	3.9422446	Integrase-type DNA-binding superfamily protein
AT5G11920	0.035230705	3.9408085	6-%261-fructan exohydrolase
AT1G31540	0.007828346	3.9250847	Disease resistance protein (TIR-NBS-LRR class) family
AT1G74330	0.004422620	3.911379	Protein kinase superfamily protein
AT1G30420	0.010069607	3.9049632	multidrug resistance-associated protein 12
AT5G62570	0.000001267	3.8960729	Calmodulin binding protein-like protein
AT1G78955	0.006908184	3.8896035	camelliol C synthase 1
AT3G62780	0.021236292	3.8891065	Calcium-dependent lipid-binding (CaLB domain) family protein
AT1G25220	0.034131636	3.8875963	anthranilate synthase beta subunit 1
AT2G34930	0.024837904	3.8830877	disease resistance family protein / LRR family protein
AT4G04695	0.002835061	3.8789378	calcium-dependent protein kinase 31
AT1G25400	0.001678615	3.87631	transmembrane protein
AT1G80610	0.001706914	3.8747726	hypothetical protein
AT3G10640	0.000002946	3.8729973	SNF7 family protein
AT1G51880	0.001860307	3.8721591	root hair specific 6
AT2G44290	0.003649859	3.8678676	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein
AT1G34750	0.000163046	3.8674336	Protein phosphatase 2C family protein
AT4G11900	0.002500239	3.8611055	S-locus lectin protein kinase family protein
AT1G14455	0.023914563	3.8484222	hypothetical protein
AT1G73080	0.017214325	3.846635	PEP1 receptor 1
AT4G28400	0.002428931	3.8415174	Protein phosphatase 2C family protein
AT5G38990	0.001954096	3.8399549	Malectin/receptor-like protein kinase family protein
AT3G45638	0.002082550	3.832028	NA
AT4G38545	0.007010052	3.8219824	NA
AT3G53150	0.024964100	3.8211008	UDP-glucosyl transferase 73D1
AT5G11000	0.002176018	3.8136208	hypothetical protein (DUF868)
AT5G02630	0.004411384	3.8118464	Lung seven transmembrane receptor family protein

AT1G77500	0.000793457	3.8059624	DUF630 family protein%2C putative (DUF630 and DUF632)
AT3G49350	0.000681103	3.8056569	Ypt/Rab-GAP domain of gyp1p superfamily protein
AT3G16565	0.017113713	3.8041738	threonyl and alanyl tRNA synthetase second additional domain-containing protein
AT3G15210	0.002858694	3.7796071	ethylene responsive element binding factor 4
AT4G39230	0.000003488	3.7618492	NmrA-like negative transcriptional regulator family protein
AT4G09405	0.015962609	3.7565945	NA
AT3G28450	0.009548223	3.7283872	Leucine-rich repeat protein kinase family protein
AT5G04870	0.000973716	3.7277065	calcium dependent protein kinase 1
AT4G23130	0.016828222	3.7238907	cysteine-rich RLK (RECEPTOR-like protein kinase) 5
AT4G16350	0.018387020	3.7025482	calcineurin B-like protein 6
AT4G16600	0.015338446	3.7005751	Nucleotide-diphospho-sugar transferases superfamily protein
AT4G34180	0.000286771	3.7004924	Cyclase family protein
AT3G25221	0.018094240	3.6981396	hypothetical protein
AT4G23015	0.016723356	3.69168	transmembrane protein
AT5G52050	0.002459022	3.6912561	MATE efflux family protein
AT4G24380	0.000997177	3.6855046	dihydrofolate reductase
AT4G33040	0.004559147	3.6838103	Thioredoxin superfamily protein
AT1G20515	0.007145872	3.6774519	NA
AT4G32020	0.000726613	3.6739309	serine/arginine repetitive matrix-like protein
AT2G02860	0.013330956	3.6714301	sucrose transporter 2
AT1G02405	0.043733610	3.6665532	proline-rich family protein
AT4G14220	0.003248122	3.6625532	RING-H2 group F1A
AT5G05850	0.002901044	3.6625185	plant intracellular ras group-related LRR 1
AT5G43520	0.043516288	3.6615158	Cysteine/Histidine-rich C1 domain family protein
AT5G08790	0.000150892	3.6551196	NAC (No Apical Meristem) domain transcriptional regulator superfamily protein
AT5G08240	0.004891739	3.6420375	transmembrane protein
AT3G57550	0.002306012	3.6382126	guanylate kinase
AT3G50140	0.018475440	3.6314876	transmembrane protein%2C putative (DUF247)
AT1G61420	0.001027109	3.6262921	S-locus lectin protein kinase family protein
AT3G05320	0.008705731	3.6102104	O-fucosyltransferase family protein
AT1G65500	0.010970928	3.6010442	transmembrane protein
AT1G59620	0.007888818	3.594538	Disease resistance protein (CC-NBS-LRR class) family
AT2G04040	0.012691475	3.5940061	MATE efflux family protein

AT4G33430	0.001827487	3.5911065	BRI1-associated receptor kinase
AT1G76980	0.000057508	3.5856403	patatin-like phospholipase domain protein
AT4G28703	0.024164388	3.5841858	RmlC-like cupins superfamily protein
AT5G40460	0.020799036	3.5830792	cyclin-dependent kinase inhibitor SMR3-like protein
AT5G09865	0.040668793	3.5796289	NA
AT5G66480	0.037737729	3.5783345	bacteriophage N4 adsorption B protein
AT1G58410	0.016190647	3.5780091	Disease resistance protein (CC-NBS-LRR class) family
AT1G53430	0.000480079	3.5760091	Leucine-rich repeat transmembrane protein kinase
AT1G07963	0.030325666	3.5694822	NA
AT1G27110	0.007844362	3.565918	Tetratricopeptide repeat (TPR)-like superfamily protein
AT1G10990	0.033932376	3.5621803	transmembrane protein
AT1G15530	0.002124991	3.5550234	Concanavalin A-like lectin protein kinase family protein
AT4G20860	0.007188560	3.5524437	FAD-binding Berberine family protein
AT3G57760	0.000030963	3.5519901	Protein kinase superfamily protein
AT1G19415	0.025762596	3.5491361	NA
AT1G66480	0.027181023	3.5435369	plastid movement impaired 2
AT5G19221	0.003824220	3.5433842	NA
AT2G04555	0.041368070	3.543362	NA
AT5G57560	0.005903609	3.5390744	Xyloglucan endotransglucosylase/hydrolase family protein
AT1G75020	0.002679702	3.5304063	lysophosphatidyl acyltransferase 4
AT1G64400	0.000413355	3.5300083	AMP-dependent synthetase and ligase family protein
AT5G43620	0.000182356	3.5260353	Pre-mRNA cleavage complex II
AT5G35205	0.018354903	3.5183333	NA
AT1G20300	0.009081418	3.5129748	Pentatricopeptide repeat (PPR) superfamily protein
AT4G33920	0.014658404	3.5124544	Protein phosphatase 2C family protein
AT3G02880	0.001112570	3.5121411	Leucine-rich repeat protein kinase family protein
AT1G07128	0.011433386	3.5075797	NA
AT4G30290	0.025763167	3.5071537	xyloglucan endotransglucosylase/hydrolase 19
AT4G37030	0.002378671	3.4898334	membrane protein
AT3G25900	0.002078614	3.4823668	Homocysteine S-methyltransferase family protein
AT4G30850	0.010287822	3.4780355	heptahelical transmembrane protein2
AT3G07960	0.001531587	3.4763407	Phosphatidylinositol-4-phosphate 5-kinase family protein
AT1G67856	0.001138452	3.4724735	RING/U-box superfamily protein

AT3G59310	0.005835043	3.4712219	solute carrier family 35 protein (DUF914)
AT1G77890	0.000045731	3.4705967	DNA-directed RNA polymerase II protein
AT2G27080	0.018609489	3.4662976	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT3G10300	0.006303302	3.4631378	Calcium-binding EF-hand family protein
AT4G05910	0.032040256	3.4612411	NA
AT5G11250	0.033778529	3.4549941	Disease resistance protein (TIR-NBS-LRR class)
AT1G02880	0.019486591	3.4513209	thiamin pyrophosphokinase1
AT2G39530	0.010417938	3.4488247	Uncharacterized protein family (UPF0497)
AT2G22300	0.005224642	3.4476523	signal responsive 1
AT1G73550	0.004779353	3.447044	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein
AT1G03230	0.004269381	3.4403549	Eukaryotic aspartyl protease family protein
AT5G15730	0.002522139	3.4334202	Protein kinase superfamily protein
AT1G21320	0.001029592	3.4219942	nucleic acid/nucleotide binding protein
AT4G35110	0.000095589	3.4187438	phospholipase-like protein (PEARLI 4) family protein
AT1G14780	0.007784590	3.4089201	MAC/Perforin domain-containing protein
AT4G18950	0.000178956	3.4079442	Integrin-linked protein kinase family
AT3G04110	0.010556765	3.3998574	glutamate receptor 1.1
AT4G30370	0.022780689	3.3912303	RING/U-box superfamily protein
AT2G46160	0.035070072	3.3891988	RING/U-box superfamily protein
AT3G45660	0.005448726	3.3850509	Major facilitator superfamily protein
AT3G22930	0.013031450	3.3843823	calmodulin-like 11
AT3G57540	0.008434179	3.3831333	Remorin family protein
AT3G57630	0.002241060	3.3814999	exostosin family protein
AT1G70530	0.001275096	3.3806537	cysteine-rich RLK (RECEPTOR-like protein kinase) 3
AT4G11230	0.005211633	3.375938	Riboflavin synthase-like superfamily protein
AT4G11500	0.037684739	3.3730445	NA
AT3G61760	0.040831795	3.3703176	DYNAMIN-like 1B
AT1G76650	0.017134086	3.3699888	calmodulin-like 38
AT3G25780	0.023450070	3.369542	allene oxide cyclase 3
AT2G32930	0.000165097	3.3691566	zinc finger nuclease 2
AT5G44870	0.000662954	3.3684491	Disease resistance protein (TIR-NBS-LRR class) family
AT1G76360	0.000116480	3.3677504	Protein kinase superfamily protein
AT5G45280	0.008865940	3.3615274	Pectinacetylesterase family protein

AT5G45080	0.003803893	3.3578665	phloem protein 2-A6
AT2G13650	0.001092165	3.3569398	golgi nucleotide sugar transporter 1
AT5G54810	0.012842725	3.3553854	tryptophan synthase beta-subunit 1
AT1G74450	0.012490845	3.3482775	BPS1-like protein (DUF793)
AT5G20400	0.010465108	3.3481061	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase superfamily protein
AT1G64710	0.010279608	3.3402587	GroES-like zinc-binding alcohol dehydrogenase family protein
AT3G12740	0.003545438	3.3373601	ALA-interacting subunit 1
AT5G39785	0.000837890	3.3359027	hypothetical protein (DUF1666)
AT5G49770	0.029599019	3.334694	Leucine-rich repeat protein kinase family protein
AT2G32800	0.000029515	3.3332121	protein kinase family protein
AT1G63860	0.004126746	3.3308984	Disease resistance protein (TIR-NBS-LRR class) family
AT1G64280	0.001956927	3.3248799	regulatory protein (NPR1)
AT5G66310	0.006335439	3.3235045	ATP binding microtubule motor family protein
AT3G25882	0.040405456	3.3231599	NIM1-interacting 2
AT5G60800	0.009676975	3.3200101	Heavy metal transport/detoxification superfamily protein
AT1G53440	0.001672388	3.3184432	Leucine-rich repeat transmembrane protein kinase
AT2G39400	0.008429122	3.3167753	alpha/beta-Hydrolases superfamily protein
AT3G13650	0.043730731	3.3119042	Disease resistance-responsive (dirigent-like protein) family protein
AT1G69430	0.006298562	3.3104996	Son of sevenless protein
AT3G50800	0.011361750	3.3084926	hypothetical protein
AT4G23250	0.037571034	3.3066912	cysteine-rich receptor-like protein kinase 17
AT3G57280	0.000057969	3.3039151	Transmembrane proteins 14C
AT5G01120	0.026554147	3.3013265	hypothetical protein (DUF674)
AT3G57330	0.008397549	3.3011472	autoinhibited Ca ²⁺ -ATPase 11
AT5G41180	0.005493120	3.2985414	leucine-rich repeat transmembrane protein kinase family protein
AT5G62020	0.001139984	3.2935086	heat shock transcription factor B2A
AT5G11970	0.004078255	3.2928225	ABC family ABC transporter%2C putative (DUF3511)
AT3G07580	0.029751069	3.2847001	hypothetical protein
AT3G05200	0.000350735	3.2843541	RING/U-box superfamily protein
AT3G51450	0.026575803	3.2842505	Calcium-dependent phosphotriesterase superfamily protein
AT4G25900	0.018758660	3.2756656	Galactose mutarotase-like superfamily protein
AT3G15358	0.021193991	3.2752438	transmembrane protein
AT4G07960	0.016010428	3.2752263	Cellulose-synthase-like C12

AT2G44070	0.021492088	3.2745602	NagB/RpiA/CoA transferase-like superfamily protein
AT1G51270	0.002802772	3.2701778	vesicle-associated protein 1-4
AT1G56520	0.000005410	3.2699877	Disease resistance protein (TIR-NBS-LRR class) family
ATMG01275	0.046685509	3.2664063	NADH dehydrogenase 1A
AT5G54850	0.000023464	3.2573973	hexon
AT4G23570	0.002583825	3.2535215	phosphatase-like protein
AT2G02220	0.002854745	3.2460027	phytosulfokin receptor 1
AT4G26095	0.001089593	3.2410925	NA
AT3G59880	0.006791750	3.2317854	hypothetical protein
AT2G41880	0.001184997	3.2250666	guanylate kinase 1
AT5G40920	0.000055975	3.2128466	NA
AT3G13050	0.001042964	3.2116916	Major facilitator superfamily protein
AT1G75860	0.017708091	3.2077895	DNA ligase
AT2G39660	0.002866190	3.2044944	botrytis-induced kinase1
AT1G58807	0.040307415	3.2039109	Disease resistance protein (CC-NBS-LRR class) family
AT1G59124	0.040388644	3.2021549	Disease resistance protein (CC-NBS-LRR class) family
AT3G01290	0.016847298	3.1967937	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT1G06840	0.000129301	3.1902097	Leucine-rich repeat protein kinase family protein
AT4G05010	0.001147994	3.1895094	F-box family protein
AT3G50460	0.018355936	3.1871221	homolog of RPW8 2
AT3G47540	0.015522352	3.1683583	Chitinase family protein
AT1G18980	0.001329950	3.1576323	RmlC-like cupins superfamily protein
AT5G45110	0.002678349	3.1559271	NPR1-like protein 3
AT3G47480	0.006317448	3.1544629	Calcium-binding EF-hand family protein
AT2G28570	0.009646608	3.1520655	hypothetical protein
AT3G15200	0.000488772	3.1489301	Tetratricopeptide repeat (TPR)-like superfamily protein
AT3G13430	0.000096857	3.1480733	RING/U-box superfamily protein
AT2G44380	0.000186551	3.1479722	Cysteine/Histidine-rich C1 domain family protein
AT5G16910	0.010627157	3.1453853	cellulose-synthase like D2
AT4G30350	0.004243223	3.1422807	Double Clp-N motif-containing P-loop nucleoside triphosphate hydrolases superfamily protein
AT3G25510	0.001103134	3.1289377	disease resistance protein (TIR-NBS-LRR class) family protein
AT3G05360	0.022718271	3.1272708	receptor like protein 30
AT1G05753	0.010889339	3.1225458	NA

AT4G00240	0.001312915	3.1199737	phospholipase D beta 2
AT4G33300	0.007510526	3.1187704	ADR1-like 1
AT4G22980	0.013729969	3.1159802	molybdenum cofactor sulfurase-like protein
AT1G09537	0.034668903	3.1127849	NA
AT5G58160	0.000151695	3.1034037	actin binding protein
AT4G14680	0.022655776	3.1013014	Pseudouridine synthase/archaeosine transglycosylase-like family protein
AT4G06746	0.020489962	3.098308	related to AP2 9
AT1G79245	0.000227271	3.0873422	NA
AT1G51860	0.004847410	3.0833216	Leucine-rich repeat protein kinase family protein
AT4G02380	0.000486246	3.0761257	senescence-associated gene 21
AT4G25030	0.000893479	3.0738512	Serine/Threonine-kinase
AT3G53810	0.003824084	3.0619403	Concanavalin A-like lectin protein kinase family protein
AT4G30060	0.006192782	3.0583663	Core-2/I-branching beta-1%2C6-N-acetylglucosaminyltransferase family protein
AT2G28940	0.014093212	3.0565848	Protein kinase superfamily protein
AT5G18360	0.005176748	3.0532582	Disease resistance protein (TIR-NBS-LRR class) family
AT1G09867	0.037252205	3.0521659	NA
AT1G76210	0.034151382	3.0511249	DUF241 domain protein%2C putative (DUF241)
AT5G07390	0.011174567	3.0505445	respiratory burst oxidase homolog A
AT1G10050	0.000217468	3.0498223	glycosyl hydrolase family 10 protein / carbohydrate-binding domain-containing protein
AT1G78830	0.047835283	3.0483944	Curculin-like (mannose-binding) lectin family protein
AT1G17600	0.029630046	3.0447146	Disease resistance protein (TIR-NBS-LRR class) family
AT3G29400	0.014935306	3.0401168	exocyst subunit exo70 family protein E1
AT1G53060	0.000502588	3.0400064	Legume lectin family protein
AT1G63350	0.006066720	3.0371389	Disease resistance protein (CC-NBS-LRR class) family
AT5G24430	0.004394203	3.0365504	Calcium-dependent protein kinase (CDPK) family protein
AT2G02620	0.014153996	3.0289255	Cysteine/Histidine-rich C1 domain family protein
AT3G52710	0.000064189	3.0228146	hypothetical protein
AT5G03700	0.000216828	3.0094455	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain-containing protein
AT1G59850	0.037560626	3.0089415	ARM repeat superfamily protein
AT4G06135	0.037099198	3.0032144	NA
AT5G25170	0.032425924	3.0009564	PPPDE putative thiol peptidase family protein
AT5G60270	0.000366033	2.9991507	Concanavalin A-like lectin protein kinase family protein
AT5G59510	0.002064650	2.9987237	ROTUNDIFOLIA like 5

AT5G47070	0.002487260	2.9971718	Protein kinase superfamily protein
AT4G39320	0.026846118	2.9957287	microtubule-associated protein-like protein
AT1G69270	0.004590696	2.9897039	receptor-like protein kinase 1
AT2G27310	0.030167816	2.9885291	F-box family protein
AT3G46330	0.041572904	2.9884616	Leucine-rich repeat protein kinase family protein
AT2G46330	0.000011020	2.9846521	arabinogalactan protein 16
AT1G05630	0.001367691	2.9784384	Endonuclease/exonuclease/phosphatase family protein
AT5G37770	0.002014309	2.9782605	EF hand calcium-binding protein family
AT1G04047	0.047400761	2.9776409	NA
AT3G28930	0.042365462	2.9682621	AIG2-like (avirulence induced gene) family protein
AT3G27560	0.005061545	2.9663577	Protein kinase superfamily protein
AT1G61820	0.038647042	2.9620919	beta glucosidase 46
AT5G18490	0.007433732	2.9595741	vacuolar sorting-associated protein (DUF946)
AT1G13590	0.008249444	2.9475192	phytosulfokine 1 precursor
AT3G14870	0.006632254	2.9454193	hypothetical protein (DUF641)
AT5G41170	0.001749236	2.9431793	Pentatricopeptide repeat (PPR-like) superfamily protein
AT2G23420	0.004796202	2.9414251	nicotinate phosphoribosyltransferase 2
AT4G13510	0.000450551	2.9353416	ammonium transporter 1%3B1
AT5G27760	0.000078728	2.934386	Hypoxia-responsive family protein
AT2G11520	0.000223628	2.9216781	calmodulin-binding receptor-like cytoplasmic kinase 3
AT2G43120	0.032226300	2.9193761	RmlC-like cupins superfamily protein
AT4G08500	0.000216642	2.9132664	MAPK/ERK kinase kinase 1
AT3G56400	0.015858649	2.9105652	WRKY DNA-binding protein 70
AT2G05940	0.031714594	2.9099171	Protein kinase superfamily protein
AT5G06560	0.000001542	2.9008206	myosin-binding protein (Protein of unknown function%2C DUF593)
AT2G34650	0.008567420	2.8948301	Protein kinase superfamily protein
AT2G23200	0.000046342	2.8878349	Protein kinase superfamily protein
AT1G31350	0.023134790	2.8866509	KAR-UP F-box 1
AT3G62150	0.010519166	2.8865277	P-glycoprotein 21
AT1G15430	0.003327129	2.878503	hypothetical protein (DUF1644)
AT1G70520	0.008702438	2.8776586	cysteine-rich RLK (RECEPTOR-like protein kinase) 2
AT1G59740	0.008394481	2.874554	Major facilitator superfamily protein
AT4G18890	0.014795273	2.8563876	BES1/BZR1 homolog 3

AT4G33440	0.017327718	2.8408998	Pectin lyase-like superfamily protein
AT4G20460	0.001166487	2.8388886	NAD(P)-binding Rossmann-fold superfamily protein
AT2G17480	0.024611770	2.8354781	Seven transmembrane MLO family protein
AT5G56580	0.000597205	2.8313346	MAP kinase kinase 6
AT5G20050	0.007016317	2.8292035	Protein kinase superfamily protein
AT2G30870	0.008555404	2.8222925	glutathione S-transferase PHI 10
AT5G54060	0.021453584	2.8183947	UDP-glucose:flavonoid 3-o-glucosyltransferase
AT1G20350	0.006001888	2.8182004	translocase inner membrane subunit 17-1
AT5G13200	0.000046503	2.8091927	GRAM domain family protein
AT4G04960	0.024986381	2.8074789	Concanavalin A-like lectin protein kinase family protein
AT1G12360	0.000035041	2.8069476	Sec1/munc18-like (SM) proteins superfamily
AT5G64450	0.004129737	2.8048879	NYN domain protein
AT1G31355	0.007247216	2.8046706	NA
AT3G17410	0.001884427	2.8041277	Protein kinase superfamily protein
AT4G23010	0.004661997	2.8021477	UDP-galactose transporter 2
AT4G25380	0.046796042	2.7996163	stress-associated protein 10
AT1G23200	0.005906146	2.7956863	Plant invertase/pectin methylesterase inhibitor superfamily
AT3G58490	0.002267060	2.7952369	Phosphatidic acid phosphatase (PAP2) family protein
AT1G76440	0.003233150	2.7923885	HSP20-like chaperones superfamily protein
AT5G01380	0.013646636	2.790319	Homeodomain-like superfamily protein
AT3G50900	0.007816118	2.7893688	hypothetical protein
AT1G61890	0.024305105	2.7853452	MATE efflux family protein
AT3G51890	0.001452242	2.7817188	Clathrin light chain protein
AT3G47380	0.016832709	2.7815972	Plant invertase/pectin methylesterase inhibitor superfamily protein
AT3G56880	0.007159786	2.7762909	VQ motif-containing protein
AT4G36150	0.001920354	2.7630633	Disease resistance protein (TIR-NBS-LRR class) family
AT1G18890	0.000165036	2.7618999	calcium-dependent protein kinase 1
AT4G32300	0.002708650	2.7594508	S-domain-2 5
AT3G55470	0.000582361	2.7581233	Calcium-dependent lipid-binding (CaLB domain) family protein
AT1G03905	0.016033057	2.7573647	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT4G10970	0.011130161	2.7526368	ribosome maturation factor
AT1G27100	0.001130517	2.7517533	Actin cross-linking protein
AT4G00300	0.016154286	2.7484936	receptor-like kinase

AT1G13500	0.004573232	2.7467603	hypothetical protein (DUF1262)
AT2G47190	0.019164700	2.7445559	myb domain protein 2
AT3G29034	0.010942170	2.739868	transmembrane protein
AT1G74430	0.016272523	2.7394749	myb domain protein 95
AT2G14510	0.017977128	2.7358378	Leucine-rich repeat protein kinase family protein
AT4G35730	0.000537322	2.7350706	Regulator of Vps4 activity in the MVB pathway protein
AT5G58720	0.004417089	2.7321387	smr (Small MutS Related) domain-containing protein
AT4G01740	0.000101469	2.7272106	Cysteine/Histidine-rich C1 domain family protein
AT4G13395	0.007492714	2.7265814	ROTUNDIFOLIA like 12
AT4G36945	0.003813481	2.7228706	PLC-like phosphodiesterases superfamily protein
AT1G61260	0.001625116	2.7187397	cotton fiber (DUF761)
AT1G05000	0.028972926	2.7155272	Phosphotyrosine protein phosphatases superfamily protein
AT1G05670	0.000097314	2.7107347	Pentatricopeptide repeat (PPR-like) superfamily protein
AT1G18210	0.036772329	2.7084519	Calcium-binding EF-hand family protein
AT4G24970	0.008039427	2.7016825	Histidine kinase-%2C DNA gyrase B-%2C and HSP90-like ATPase family protein
AT5G55560	0.000075810	2.6998115	Protein kinase superfamily protein
AT1G64760	0.009731857	2.6931765	O-Glycosyl hydrolases family 17 protein
AT4G33060	0.028963387	2.6916098	Cyclophilin-like peptidyl-prolyl cis-trans isomerase family protein
AT4G25070	0.004772996	2.6915934	caldesmon-like protein
AT2G21120	0.000805219	2.6845512	magnesium transporter%2C putative (DUF803)
AT5G56610	0.017937733	2.6823418	Phosphotyrosine protein phosphatases superfamily protein
AT1G19270	0.004961615	2.6718738	DA1
AT1G22510	0.002764298	2.6679711	E3 ubiquitin-protein ligase RNF170-like protein (DUF 1232)
AT2G47730	0.004536313	2.6652535	glutathione S-transferase phi 8
AT5G04310	0.001565564	2.6647575	Pectin lyase-like superfamily protein
AT2G30720	0.009489459	2.6614824	Thioesterase/thiol ester dehydrase-isomerase superfamily protein
AT5G19250	0.000939227	2.6609857	Glycoprotein membrane precursor GPI-anchored
AT1G59265	0.017568200	2.6591419	NA
AT4G25670	0.005706010	2.6587286	stress response NST1-like protein
AT5G65920	0.001160035	2.6575572	ARM repeat superfamily protein
AT2G43320	0.010441218	2.6559352	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT5G09790	0.002842776	2.651051	TRITHORAX-RELATED PROTEIN 5
AT3G54100	0.000746902	2.6488516	O-fucosyltransferase family protein

AT4G01540	0.034043454	2.6483291	NAC with transmembrane motif1
AT1G35140	0.001157320	2.648163	Phosphate-responsive 1 family protein
AT2G01340	0.042851759	2.6473555	plastid movement impaired protein
AT5G59450	0.016066403	2.6472284	GRAS family transcription factor
AT1G59860	0.005694995	2.6447904	HSP20-like chaperones superfamily protein
AT4G21410	0.002824354	2.6385074	cysteine-rich RLK (RECEPTOR-like protein kinase) 29
AT3G14050	0.001238961	2.6383065	RELA/SPOT homolog 2
AT1G18900	0.000475408	2.6357875	Pentatricopeptide repeat (PPR) superfamily protein
AT2G36780	0.020958470	2.6341827	UDP-Glycosyltransferase superfamily protein
AT5G61380	0.009168596	2.6312874	CCT motif -containing response regulator protein
AT2G47680	0.005906604	2.630443	zinc finger (CCCH type) helicase family protein
AT2G30250	0.000266618	2.629003	WRKY DNA-binding protein 25
AT3G21650	0.000165476	2.628886	Protein phosphatase 2A regulatory B subunit family protein
AT1G08450	0.002970957	2.6278226	calreticulin 3
AT4G01770	0.011414551	2.6261491	rhamnogalacturonan xylosyltransferase 1
AT5G10380	0.000420031	2.6257804	RING/U-box superfamily protein
AT1G18200	0.003635821	2.6244794	Rab GTPase-like A11 protein
AT4G35500	0.000686902	2.6235203	Protein kinase superfamily protein
AT2G36430	0.004048838	2.6228533	transmembrane protein%2C putative (DUF247)
AT4G23470	0.000676244	2.6211798	PLAC8 family protein
AT1G61380	0.003884027	2.618939	S-domain-1 29
AT5G07070	0.000028108	2.6171533	CBL-interacting protein kinase 2
AT3G13380	0.014752903	2.6163764	BRI1-like 3
AT3G01175	0.033244597	2.609236	transmembrane protein
AT1G09070	0.005160216	2.6067213	soybean gene regulated by cold-2
AT2G28970	0.046556027	2.6057887	Leucine-rich repeat protein kinase family protein
AT1G01260	0.000120276	2.60502	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT5G43890	0.001740700	2.603896	Flavin-binding monooxygenase family protein
AT1G11300	0.015294335	2.6035498	G-type lectin S-receptor-like Serine/Threonine-kinase
AT4G22530	0.027632714	2.5993313	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT5G67350	0.022983979	2.5986694	hypothetical protein
AT1G17255	0.004194562	2.596433	NA
AT2G38290	0.009964932	2.5917827	ammonium transporter 2

AT3G01820	0.032195134	2.5909909	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT5G67420	0.003843656	2.5892181	LOB domain-containing protein 37
AT1G58889	0.024478953	2.586131	NA
AT1G06753	0.007107305	2.5817505	NA
AT5G48660	0.000173799	2.5816691	B-cell receptor-associated protein 31-like protein
AT4G22305	0.018570250	2.581436	alpha/beta-Hydrolases superfamily protein
AT1G16480	0.000702124	2.5780057	Tetratricopeptide repeat (TPR)-like superfamily protein
AT3G61640	0.000482051	2.5763725	arabinogalactan protein 20
AT3G46600	0.007203005	2.576081	GRAS family transcription factor
AT5G58730	0.005224401	2.5739803	pfkB-like carbohydrate kinase family protein
AT2G41380	0.002266348	2.5685864	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT3G15340	0.018382784	2.5683766	proton pump interactor 2
AT1G66400	0.022679873	2.5676992	calmodulin like 23
AT5G13210	0.000177393	2.5673174	Uncharacterized conserved protein UCP015417%2C vWA
AT5G38350	0.000074388	2.5655578	Disease resistance protein (NBS-LRR class) family
AT3G26210	0.004694016	2.5631038	cytochrome P450%2C family 71%2C subfamily B%2C polypeptide 23
AT4G36110	0.027903245	2.5609592	SAUR-like auxin-responsive protein family
AT1G67970	0.006700777	2.560328	heat shock transcription factor A8
AT1G35350	0.009885969	2.5602323	EXS (ERD1/XPR1/SYG1) family protein
AT1G30550	0.008465327	2.5577607	S-adenosyl-L-methionine-dependent methyltransferase superfamily protein
AT1G69520	0.007547853	2.5518247	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT1G07650	0.004702577	2.5490461	Leucine-rich repeat transmembrane protein kinase
AT4G16892	0.035535173	2.5461015	NA
AT3G51160	0.005296363	2.5448554	NAD(P)-binding Rossmann-fold superfamily protein
AT2G44500	0.000175142	2.5349133	O-fucosyltransferase family protein
AT5G44290	0.000862838	2.5343751	Protein kinase superfamily protein
AT5G55350	0.018672489	2.5315226	MBOAT (membrane bound O-acyl transferase) family protein
AT3G49370	0.020886944	2.527507	Calcium-dependent protein kinase (CDPK) family protein
AT3G50060	0.000953427	2.5218366	myb domain protein 77
AT1G04053	0.020264539	2.5207973	NA
AT1G26730	0.017264026	2.5191586	EXS (ERD1/XPR1/SYG1) family protein
AT4G35310	0.002593327	2.5179304	calmodulin-domain protein kinase 5
AT1G28390	0.028058322	2.5164787	Protein kinase superfamily protein

AT4G10390	0.006783195	2.5155581	Protein kinase superfamily protein
AT5G24230	0.006639544	2.5133332	Lipase class 3-related protein
AT5G62070	0.024657269	2.5123063	IQ-domain 23
AT5G62770	0.024107806	2.5096272	membrane-associated kinase regulator%2C putative (DUF1645)
AT4G12040	0.000171682	2.5065108	A20/AN1-like zinc finger family protein
AT1G61490	0.030523571	2.5003753	S-locus lectin protein kinase family protein
AT3G57380	0.043126406	2.4985017	Glycosyltransferase family 61 protein
AT3G18370	0.000066206	2.4976585	C2 domain-containing protein
AT3G07190	0.019079838	2.4962969	B-cell receptor-associated protein 31-like protein
AT2G46500	0.002613116	2.4942733	phosphoinositide 4-kinase gamma 4
AT1G20060	0.024263956	2.4914041	ATP binding microtubule motor family protein
AT1G63530	0.000836131	2.4902064	hypothetical protein
AT5G46490	0.012159305	2.4837436	Disease resistance protein (TIR-NBS-LRR class) family
AT5G45250	0.000494916	2.4832763	Disease resistance protein (TIR-NBS-LRR class) family
AT1G21390	0.020924555	2.4804385	embryo defective 2170
AT5G04930	0.000278216	2.4762753	aminophospholipid ATPase 1
AT2G38360	0.000309275	2.4759282	prenylated RAB acceptor 1.B4
AT4G28800	0.010180846	2.4705058	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT5G26340	0.047216617	2.4703507	Major facilitator superfamily protein
AT3G23170	0.019614772	2.4692263	hypothetical protein
AT2G28080	0.000703757	2.4685832	UDP-Glycosyltransferase superfamily protein
AT1G66920	0.012544653	2.4666659	Protein kinase superfamily protein
AT1G30810	0.024836437	2.4579809	Transcription factor jumonji (jmj) family protein / zinc finger (C5HC2 type) family protein
AT4G23070	0.004949296	2.4567647	RHOMBROID-like protein 7
AT5G39970	0.003121459	2.4559293	catalytics
AT3G26020	0.001782221	2.4525476	Protein phosphatase 2A regulatory B subunit family protein
AT1G74740	0.000683306	2.4514012	calcium-dependent protein kinase 30
AT1G61140	0.000093804	2.4493628	SNF2 domain-containing protein / helicase domain-containing protein / zinc finger protein-like protein
AT4G38540	0.003575896	2.4480918	FAD/NAD(P)-binding oxidoreductase family protein
AT1G09970	0.000829152	2.4458957	Leucine-rich receptor-like protein kinase family protein
AT1G53390	0.001769804	2.4449639	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT1G61480	0.024374364	2.4441913	S-locus lectin protein kinase family protein
AT3G55050	0.000202454	2.4429393	Protein phosphatase 2C family protein

AT1G74490	0.031905551	2.4420471	Protein kinase superfamily protein
AT1G49050	0.000099992	2.441654	Eukaryotic aspartyl protease family protein
AT1G23550	0.002160414	2.4382479	similar to RCD one 2
AT1G14750	0.004434003	2.435389	Cyclin family protein
AT2G44480	0.048343874	2.4353407	beta glucosidase 17
AT3G47130	0.030376238	2.4345528	F-box associated ubiquitination effector family protein
AT5G10410	0.031121656	2.4341679	ENTH/ANTH/VHS superfamily protein
AT3G19553	0.000784238	2.4330479	Amino acid permease family protein
AT5G01935	0.009017372	2.4293927	NA
AT2G21500	0.000000929	2.4276942	RING/U-box superfamily protein
AT2G20900	0.001668238	2.4275453	diacylglycerol kinase 5
AT4G36010	0.003177679	2.4248675	Pathogenesis-related thaumatin superfamily protein
AT2G02370	0.003177320	2.4248284	SNARE associated Golgi protein family
AT5G52870	0.002005481	2.4228669	membrane-associated kinase regulator
AT5G47710	0.015695827	2.4226058	Calcium-dependent lipid-binding (CaLB domain) family protein
AT3G45840	0.021284102	2.4225729	Cysteine/Histidine-rich C1 domain family protein
AT3G20410	0.014296572	2.4199836	calmodulin-domain protein kinase 9
AT1G17330	0.021117916	2.4155298	Metal-dependent phosphohydrolase
AT5G49900	0.025976743	2.4154334	Beta-glucosidase%2C GBA2 type family protein
AT4G04490	0.011444000	2.412087	cysteine-rich RLK (RECEPTOR-like protein kinase) 36
AT3G19020	0.002223911	2.4114802	Leucine-rich repeat (LRR) family protein
AT1G79670	0.002241977	2.4081697	Wall-associated kinase family protein
AT5G47220	0.017923927	2.4063012	ethylene responsive element binding factor 2
AT5G04720	0.006731760	2.4053004	ADR1-like 2
AT5G44050	0.040839177	2.4042964	MATE efflux family protein
AT1G73130	0.006278659	2.4023146	mucin
AT1G69810	0.037708640	2.401802	WRKY DNA-binding protein 36
AT5G13490	0.000143477	2.3973864	ADP/ATP carrier 2
AT4G30530	0.034092221	2.392397	Class I glutamine amidotransferase-like superfamily protein
AT1G29340	0.001589341	2.3922121	plant U-box 17
AT4G21220	0.006298671	2.3867445	Trimeric LpxA-like enzymes superfamily protein
AT5G62460	0.035393807	2.3847664	RING/FYVE/PHD zinc finger superfamily protein
AT3G52870	0.000344998	2.3797684	IQ calmodulin-binding motif family protein

AT4G36990	0.014774600	2.3780567	heat shock factor 4
AT1G62420	0.002009987	2.3772374	DUF506 family protein (DUF506)
AT4G09030	0.000297141	2.3748531	arabinogalactan protein 10
AT5G53830	0.004562488	2.3747009	VQ motif-containing protein
AT5G33382	0.002136345	2.3744714	NA
AT3G51440	0.000091725	2.3727636	Calcium-dependent phosphotriesterase superfamily protein
AT3G46690	0.022236449	2.3724516	UDP-Glycosyltransferase superfamily protein
AT1G55475	0.015898465	2.3706243	hypothetical protein
AT1G07220	0.023835179	2.3697137	O-glucosyltransferase rumi-like protein (DUF821)
AT3G15760	0.010790609	2.3670097	cytochrome P450 family protein
AT5G48655	0.009878210	2.3658623	RING/U-box superfamily protein
AT5G67140	0.000588259	2.3622079	F-box/RNI-like superfamily protein
AT4G37022	0.009696618	2.3571076	hypothetical protein
AT5G24510	0.003889325	2.3546759	60S acidic ribosomal protein family
AT1G01130	0.000252161	2.3544851	CBL-interacting Serine/Threonine-kinase
AT3G45290	0.016166769	2.3539785	Seven transmembrane MLO family protein
AT3G02070	0.000098564	2.3518977	Cysteine proteinases superfamily protein
AT3G20590	0.027440367	2.349485	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT2G30440	0.000793375	2.3469291	thylakoid processing peptide
AT2G37980	0.003496947	2.3440946	O-fucosyltransferase family protein
AT1G62422	0.006774244	2.3420641	hypothetical protein
AT4G38530	0.046819876	2.3409523	phospholipase C1
AT1G08940	0.006314940	2.3407083	Phosphoglycerate mutase family protein
AT5G28830	0.000191252	2.3373328	calcium-binding EF hand family protein
AT1G59820	0.011220945	2.3360918	aminophospholipid ATPase 3
AT4G30600	0.000590968	2.3303062	signal recognition particle receptor alpha subunit family protein
AT4G25020	0.002293720	2.3293872	D111/G-patch domain-containing protein
AT2G06530	0.000691314	2.327603	SNF7 family protein
AT1G66910	0.000317546	2.3257173	Protein kinase superfamily protein
AT4G23240	0.049011988	2.3252582	cysteine-rich RLK (RECEPTOR-like protein kinase) 16
AT1G04330	0.010960620	2.3243689	hypothetical protein
AT4G11530	0.001334048	2.323803	cysteine-rich RLK (RECEPTOR-like protein kinase) 34
AT3G15530	0.011752743	2.3186685	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein

AT5G10830	0.001572437	2.3160222	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT5G53130	0.000256470	2.3101507	cyclic nucleotide gated channel 1
AT1G19330	0.024653220	2.3094524	histone deacetylase complex subunit
AT3G28940	0.007390884	2.3045622	AIG2-like (avirulence induced gene) family protein
AT2G28890	0.000189453	2.2995288	poltergeist like 4
AT1G76040	0.020530761	2.2974478	calcium-dependent protein kinase 29
AT1G64385	0.000961706	2.295174	transmembrane protein
AT5G12940	0.002549366	2.2941756	Leucine-rich repeat (LRR) family protein
AT4G00850	0.015701449	2.2939922	GRF1-interacting factor 3
AT1G65310	0.010596073	2.293941	xyloglucan endotransglucosylase/hydrolase 17
AT5G50200	0.007516967	2.2887284	nitrate transmembrane transporter
AT5G62865	0.018298206	2.2832468	hypothetical protein
AT3G26470	0.012232330	2.2824258	Powdery mildew resistance protein%2C RPW8 domain-containing protein
AT4G12070	0.002789125	2.2775179	hypothetical protein
AT4G31000	0.001878135	2.2767439	Calmodulin-binding protein
AT1G67530	0.011833519	2.2750194	ARM repeat superfamily protein
AT2G33640	0.032800870	2.2748263	DHHC-type zinc finger family protein
AT2G13665	0.044325711	2.2735436	NA
AT1G05340	0.000009124	2.2730056	cysteine-rich TM module stress tolerance protein
AT1G27020	0.021143537	2.2674407	plant/protein
AT1G55460	0.000020314	2.2667227	DNA/RNA-binding protein Kin17%2C conserved region
AT4G00330	0.000154657	2.2663672	calmodulin-binding receptor-like cytoplasmic kinase 2
AT3G45040	0.008441106	2.2648569	phosphatidate cytidyltransferase family protein
AT2G39110	0.001547795	2.2643804	Protein kinase superfamily protein
AT3G27490	0.014529753	2.2628399	Cysteine/Histidine-rich C1 domain family protein
AT5G45630	0.023040070	2.2578681	senescence regulator (Protein of unknown function%2C DUF584)
AT2G02800	0.000037286	2.2538722	protein kinase 2B
AT4G26400	0.005119762	2.2520714	RING/U-box superfamily protein
AT1G67460	0.038566246	2.2505786	Minichromosome maintenance (MCM2/3/5) family protein
AT2G44180	0.008036535	2.2477974	methionine aminopeptidase 2A
AT1G14740	0.000274380	2.2433984	class I heat shock protein%2C putative (DUF1423)
AT2G44010	0.016805319	2.2424301	hypothetical protein
AT5G40910	0.004174904	2.2416594	Disease resistance protein (TIR-NBS-LRR class) family

AT1G63500	0.000301631	2.2415048	kinase with tetratricopeptide repeat domain-containing protein
AT3G47210	0.019000985	2.2399266	hypothetical protein (DUF247)
AT2G20950	0.007953012	2.2364026	phospholipase-like protein (PEARLI 4) family protein
AT3G06370	0.026596925	2.2363552	sodium hydrogen exchanger 4
AT1G55920	0.002609463	2.2342556	serine acetyltransferase 2%3B1
AT1G11000	0.002219942	2.2339031	Seven transmembrane MLO family protein
AT1G33720	0.027147514	2.2334441	cytochrome P450%2C family 76%2C subfamily C%2C polypeptide 6
AT5G51480	0.003880655	2.2326674	SKU5 similar 2
AT1G19300	0.000038484	2.2309922	Nucleotide-diphospho-sugar transferases superfamily protein
AT4G11360	0.009927464	2.2306737	RING-H2 finger A1B
AT1G28600	0.026074257	2.2276729	GDSL-like Lipase/Acylhydrolase superfamily protein
AT1G32127	0.003768677	2.2246566	plant viral-response family protein
AT4G34420	0.010857779	2.2207633	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT1G58400	0.024035341	2.2194856	Disease resistance protein (CC-NBS-LRR class) family
AT1G58561	0.003917452	2.2191541	NA
AT2G41730	0.002169736	2.2185459	calcium-binding site protein
AT1G67850	0.031151130	2.2148584	lysine ketoglutarate reductase trans-splicing protein (DUF707)
AT5G50570	0.008608502	2.2120311	Squamosa promoter-binding protein-like (SBP domain) transcription factor family protein
AT2G41110	0.001534271	2.2105385	calmodulin 2
AT4G31980	0.003241900	2.2052491	PPPDE thiol peptidase family protein
AT3G60966	0.021824942	2.2050083	RING/U-box superfamily protein
AT5G54730	0.012433990	2.2001052	yeast autophagy 18 F-like protein
AT1G61415	0.046264894	2.1998414	CAP-gly domain linker
AT5G45750	0.001743945	2.1995627	RAB GTPase homolog A1C
AT5G04020	0.024139766	2.1969464	calmodulin binding protein
AT2G04490	0.000365106	2.1942942	NA
AT2G25850	0.000596156	2.1939252	poly(A) polymerase 2
AT1G04200	0.001627470	2.1918339	dyggve-melchior-clausen syndrome protein
AT1G75450	0.007311286	2.1917447	cytokinin oxidase 5
AT1G72760	0.024768289	2.1915254	Protein kinase superfamily protein
AT1G65490	0.001199948	2.1913754	transmembrane protein
AT1G01440	0.004711639	2.1879768	hypothetical protein (DUF3133)
AT5G23520	0.004620833	2.1866096	smr (Small MutS Related) domain-containing protein

AT2G37110	0.001644341	2.1851616	PLAC8 family protein
AT1G30640	0.012035826	2.1840882	Protein kinase family protein
AT1G04100	0.001836324	2.1835687	indoleacetic acid-induced protein 10
AT3G63010	0.000740818	2.1809711	alpha/beta-Hydrolases superfamily protein
AT4G37100	0.002843806	2.1788528	Pyridoxal phosphate (PLP)-dependent transferases superfamily protein
AT5G35370	0.003127673	2.174495	S-locus lectin protein kinase family protein
AT1G61430	0.010430284	2.1741342	S-locus lectin protein kinase family protein
AT3G23030	0.000304625	2.1732608	indole-3-acetic acid inducible 2
AT2G18670	0.009033414	2.1720034	RING/U-box superfamily protein
AT5G39890	0.040918966	2.1717544	2-aminoethanethiol dioxygenase%2C putative (DUF1637)
AT3G53840	0.006497323	2.1713226	Protein kinase superfamily protein
AT5G02400	0.025093546	2.1708589	pol-like 2
AT3G57750	0.001487507	2.1693533	Protein kinase superfamily protein
AT3G22160	0.014866523	2.1688902	VQ motif-containing protein
AT1G71100	0.026147511	2.1648205	Ribose 5-phosphate isomerase%2C type A protein
AT1G34370	0.029824467	2.1628838	C2H2 and C2HC zinc fingers superfamily protein
AT5G62560	0.000102521	2.1620896	RING/U-box superfamily protein with ARM repeat domain-containing protein
AT4G30910	0.033042254	2.161599	Cytosol aminopeptidase family protein
AT4G15120	0.046934869	2.1592121	VQ motif-containing protein
AT5G03630	0.010739402	2.1570958	Pyridine nucleotide-disulfide oxidoreductase family protein
AT3G21220	0.018805311	2.1564365	MAP kinase kinase 5
AT2G20370	0.000118145	2.1562251	Exostosin family protein
AT2G23450	0.000164715	2.154158	Protein kinase superfamily protein
AT3G21700	0.004589923	2.1521036	Ras-related small GTP-binding family protein
AT5G40780	0.042992492	2.1501759	lysine histidine transporter 1
AT3G28180	0.041821440	2.1465399	Cellulose-synthase-like C4
AT1G34200	0.001726546	2.1463159	Glyceraldehyde-3-phosphate dehydrogenase-like family protein
AT2G32250	0.029251220	2.1462084	FAR1-related sequence 2
AT4G15070	0.039411215	2.1446554	Cysteine/Histidine-rich C1 domain family protein
AT1G74380	0.001109230	2.1433519	xyloglucan xylosyltransferase 5
AT1G12580	0.000180547	2.1423483	phosphoenolpyruvate carboxylase-related kinase 1
AT1G10650	0.002034785	2.1415912	SBP (S-ribonuclease binding protein) family protein
AT3G27010	0.001129667	2.1409708	TEOSINTE BRANCHED 1%2C cycloidea%2C PCF (TCP)-domain family protein 20

AT3G19260	0.009755651	2.1368458	LAG1 homologue 2
AT2G17290	0.020581969	2.1358415	Calcium-dependent protein kinase family protein
AT4G12000	0.048040066	2.1353689	SNARE associated Golgi protein family
AT3G06435	0.017162368	2.1331397	Expressed protein
AT1G19310	0.016157877	2.1325968	RING/U-box superfamily protein
AT1G27180	0.002726605	2.1324536	disease resistance protein (TIR-NBS-LRR class)
AT3G55430	0.011237220	2.1308363	O-Glycosyl hydrolases family 17 protein
AT5G01730	0.001288211	2.1277893	SCAR family protein 4
AT4G02195	0.014511963	2.1272543	syntaxin of plants 42
AT3G14070	0.021432929	2.1268843	cation exchanger 9
AT4G21730	0.034892818	2.126616	NA
AT2G20110	0.001957151	2.1240967	Tesmin/TSO1-like CXC domain-containing protein
AT1G64080	0.014455145	2.1226038	membrane-associated kinase regulator
AT1G79330	0.012421179	2.1195788	metacaspase 5
AT2G35510	0.003817644	2.1191752	similar to RCD one 1
AT3G04480	0.000120354	2.1171895	endoribonuclease
AT4G27300	0.008861465	2.1137919	S-locus lectin protein kinase family protein
AT1G66080	0.022447752	2.1133347	hikeshi-like protein
AT4G16890	0.001253509	2.1127568	TIR-NBS-LRR class disease resistance protein
AT5G27060	0.020519401	2.1124658	receptor like protein 53
AT2G29120	0.037407217	2.1119497	glutamate receptor 2.7
AT3G56050	0.001082192	2.1106401	Protein kinase family protein
AT5G63490	0.000368945	2.1096448	CBS / octicosapeptide/Phox/Bemp1 (PB1) domains-containing protein
AT4G01870	0.030965396	2.1094329	tolB protein-like protein
AT5G37540	0.005566219	2.1025727	Eukaryotic aspartyl protease family protein
AT4G11660	0.009537555	2.1002745	winged-helix DNA-binding transcription factor family protein
AT1G03770	0.041847031	2.1000546	RING 1B
AT1G48320	0.009749142	2.0994769	Thioesterase superfamily protein
AT2G20320	0.029092974	2.0987379	DENN (AEX-3) domain-containing protein
AT3G18560	0.000740262	2.095814	hypothetical protein
AT5G36920	0.031980125	2.095808	transmembrane protein
AT2G41630	0.000537769	2.091406	transcription factor IIB
AT3G57120	0.007329620	2.0911217	Protein kinase superfamily protein

AT4G24400	0.002366026	2.0869291	CBL-interacting protein kinase 8
AT4G21700	0.000478302	2.0857432	DUF2921 family protein%2C putative (DUF2921)
AT5G48385	0.001468092	2.0849565	FRIGIDA-like protein
AT4G24920	0.019361800	2.0848147	secE/sec61-gamma protein transport protein
AT1G65800	0.048820162	2.084543	receptor kinase 2
AT5G64300	0.009510290	2.08355	GTP cyclohydrolase II
AT4G12710	0.006442694	2.082561	ARM repeat superfamily protein
AT2G18630	0.001681211	2.0822972	transmembrane protein%2C putative (DUF677)
AT4G19003	0.027299783	2.0821649	E2F/DP family winged-helix DNA-binding domain-containing protein
AT2G27260	0.000062618	2.0818804	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT3G11650	0.005300283	2.0790729	NDR1/HIN1-like 2
AT5G39090	0.008888657	2.0789316	HXXXD-type acyl-transferase family protein
AT5G42140	0.000730452	2.0765598	Regulator of chromosome condensation (RCC1) family with FYVE zinc finger domain-containing protein
AT5G06860	0.037486492	2.0739661	polygalacturonase inhibiting protein 1
AT2G44383	0.007093160	2.071187	NA
AT2G04305	0.002677939	2.0701008	Magnesium transporter CorA-like family protein
AT4G15140	0.026687581	2.0684064	hypothetical protein
AT5G14480	0.003198913	2.0667339	beta-1%2C4-N-acetylglucosaminyltransferase family protein
AT5G65205	0.006402239	2.062504	NAD(P)-binding Rossmann-fold superfamily protein
AT1G74870	0.013985353	2.0605101	RING/U-box superfamily protein
AT1G44100	0.002994883	2.060058	amino acid permease 5
AT1G48060	0.013116610	2.0595704	F-box/associated interaction domain protein
AT1G77250	0.000145020	2.0564757	RING/FYVE/PHD-type zinc finger family protein
AT4G25470	0.022121281	2.0550412	C-repeat/DRE binding factor 2
AT3G07780	0.003144391	2.0495574	potyvirus VPg interacting protein (DUF1423)
AT4G35985	0.029560711	2.0479432	Senescence/dehydration-associated protein-like protein
AT2G44600	0.023485310	2.0462465	hypothetical protein
AT3G23240	0.019189347	2.0462298	ethylene response factor 1
AT5G08660	0.000082653	2.0453963	D-lactate dehydrogenase (DUF668)
AT1G13390	0.015364252	2.0434147	translocase subunit seca
AT4G04570	0.017389030	2.0417502	cysteine-rich RLK (RECEPTOR-like protein kinase) 40
AT1G67310	0.001520235	2.0415041	Calmodulin-binding transcription activator protein with CG-1 and Ankyrin domain
AT3G14840	0.004421664	2.0413766	Leucine-rich repeat transmembrane protein kinase

AT2G01450	0.007160659	2.0411423	MAP kinase 17
AT5G03720	0.027817753	2.0381744	heat shock transcription factor A3
AT4G17500	0.015920525	2.0378669	ethylene responsive element binding factor 1
AT1G27720	0.035462744	2.0366376	TBP-associated factor 4B
AT1G45207	0.002464683	2.036201	Remorin family protein
AT1G64700	0.040482548	2.0328285	DUF4228 domain protein
AT5G57015	0.000257635	2.0317884	casein kinase I-like 12
AT5G02490	0.020483368	2.0317295	Heat shock protein 70 (Hsp 70) family protein
AT2G30990	0.003105808	2.0285823	arginine N-methyltransferase%2C putative (DUF688)
AT5G66320	0.038324423	2.0262469	GATA transcription factor 5
AT4G21740	0.018011580	2.0246572	transmembrane protein
AT3G03050	0.016172696	2.0245974	cellulose synthase-like D3
AT3G05660	0.011218528	2.021618	receptor like protein 33
AT2G01300	0.007711318	2.0183245	mediator of RNA polymerase II transcription subunit
AT1G64380	0.001793920	2.0182189	Integrase-type DNA-binding superfamily protein
AT2G39360	0.020192466	2.0180813	Protein kinase superfamily protein
AT5G67630	0.020176106	2.0132605	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT2G38250	0.002344440	2.0110279	Homeodomain-like superfamily protein
AT4G19510	0.001857571	2.010682	Disease resistance protein (TIR-NBS-LRR class)
AT3G48780	0.002072430	2.0064306	serine palmitoyltransferase 1
AT2G18090	0.000270108	2.0035257	PHD finger family protein / SWIB complex BAF60b domain-containing protein / GYF domain-containing pr
AT1G24148	0.003583519	2.0032046	hypothetical protein
AT2G31955	0.000663702	2.0031931	cofactor of nitrate reductase and xanthine dehydrogenase 2
AT2G04430	0.035728440	2.0030517	nudix hydrolase homolog 5
AT3G45730	0.005924566	2.0020249	hypothetical protein
AT3G25070	0.000047454	2.0000551	RPM1 interacting protein 4
AT1G19640	0.020024823	0	jasmonic acid carboxyl methyltransferase
AT5G09976	0.003501912	0	hypothetical protein
AT5G04325	0.021087054	0	NA
AT4G28485	0.023628719	0	transmembrane protein%2C putative (DUF679 domain membrane protein 7)
AT5G45120	0.038245525	0	Eukaryotic aspartyl protease family protein
AT3G28360	0.019681439	0	P-glycoprotein 16
AT4G06517	0.045509088	0	NA

AT5G60320	0.037520190	0	Concanavalin A-like lectin protein kinase family protein
AT3G11970	0.046963644	0	NA
AT1G36590	0.046969281	0	NA
AT1G49005	0.013517385	0	CLAVATA3/ESR-RELATED 11
AT1G49370	0.019249393	0	NA
AT1G80340	0.036282031	0	gibberellin 3-oxidase 2
AT3G16160	0.000050154	0	Tesmin/TSO1-like CXC domain-containing protein
AT4G06875	0.010728739	0	NA
AT4G34940	0.034078252	0	armadillo repeat only 1
AT1G30250	0.018822531	0.058012	hypothetical protein
AT2G11780	0.000659779	0.0660598	NA
AT4G38860	0.013427986	0.0742743	SAUR-like auxin-responsive protein family
AT5G06520	0.004613974	0.1042715	SWAP (Suppressor-of-White-APricot)/surp domain-containing protein
AT2G30424	0.047049349	0.108875	Homeodomain-like superfamily protein
AT2G43390	0.048211633	0.1171431	hypothetical protein
AT5G32107	0.007151442	0.1241731	NA
AT4G34770	0.001121039	0.136045	SAUR-like auxin-responsive protein family
AT5G25470	0.016870095	0.1432494	AP2/B3-like transcriptional factor family protein
AT1G31485	0.018682241	0.1458878	NA
AT1G26762	0.044773724	0.1473946	transmembrane protein
AT2G36540	0.009144942	0.1475569	Haloacid dehalogenase-like hydrolase (HAD) superfamily protein
AT2G31930	0.015534725	0.1484764	hypothetical protein
AT3G11810	0.018527873	0.1617795	transmembrane protein
AT4G34530	0.034071236	0.162452	cryptochrome-interacting basic-helix-loop-helix 1
AT1G18810	0.000548342	0.1703698	phytochrome kinase substrate-like protein
AT4G34760	0.000154677	0.1718363	SAUR-like auxin-responsive protein family
AT1G50280	0.009731491	0.1746	Phototropic-responsive NPH3 family protein
AT2G05914	0.009542524	0.1837817	NA
AT1G22380	0.021579393	0.1837938	UDP-glucosyl transferase 85A3
AT5G28280	0.017663674	0.1843865	NA
AT2G34010	0.003520066	0.1860563	verprolin
AT2G37030	0.038339097	0.188887	SAUR-like auxin-responsive protein family
AT4G22495	0.007287442	0.1966578	hypothetical protein

AT3G10150	0.004069066	0.1970409	purple acid phosphatase 16
AT2G39920	0.005247717	0.1978087	HAD superfamily%2C subfamily IIIB acid phosphatase
AT4G36808	0.037283782	0.1989096	NA
AT4G28700	0.005254983	0.1992266	ammonium transporter 1%3B4
AT5G45770	0.005955693	0.2003665	receptor like protein 55
AT2G30615	0.000208288	0.2021181	F-box/LRR protein
AT2G22460	0.049863443	0.2070245	MIZU-KUSSEI-like protein (Protein of unknown function%2C DUF617)
AT1G03987	0.018839179	0.2082708	NA
AT2G35075	0.027936480	0.2103099	hypothetical protein
AT2G18300	0.000154682	0.2145362	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT1G05420	0.033413975	0.2171473	ovate family protein 12
AT5G44680	0.010080032	0.2177366	DNA glycosylase superfamily protein
AT4G38850	0.047883320	0.2193534	SAUR-like auxin-responsive protein family
AT2G45420	0.036047628	0.2202562	LOB domain-containing protein 18
AT3G24065	0.033974249	0.2277093	Plant self-incompatibility protein S1 family
AT3G09450	0.000943891	0.2284779	fusaric acid resistance family protein
AT5G09805	0.005556938	0.2288696	inflorescence deficient in abscission (IDA)-like 3
AT5G62730	0.005513725	0.2310266	Major facilitator superfamily protein
AT1G49470	0.035034111	0.2374508	transmembrane epididymal protein (DUF716)
AT2G40130	0.047826144	0.2386656	Double Clp-N motif-containing P-loop nucleoside triphosphate hydrolases superfamily protein
AT5G18020	0.022299062	0.2532155	SAUR-like auxin-responsive protein family
AT3G63088	0.024985290	0.2570546	ROTUNDIFOLIA like 14
AT4G34950	0.028636381	0.2578128	Major facilitator superfamily protein
AT1G61230	0.021844597	0.2588178	Mannose-binding lectin superfamily protein
AT1G51440	0.011519296	0.2617809	alpha/beta-Hydrolases superfamily protein
AT3G11110	0.013638062	0.2637581	RING/U-box superfamily protein
AT2G43445	0.001245472	0.2650574	F-box and associated interaction domains-containing protein
AT4G34790	0.018569801	0.2681727	SAUR-like auxin-responsive protein family
AT1G15550	0.016867643	0.2715519	gibberellin 3-oxidase 1
AT1G09180	0.025538448	0.2720421	secretion-associated RAS super family 1
AT3G30180	0.011923834	0.2721842	brassinosteroid-6-oxidase 2
AT3G61880	0.000791218	0.2725805	cytochrome p450 78a9
AT3G09160	0.005834056	0.2734525	RNA-binding (RRM/RBD/RNP motifs) family protein

AT2G40200	0.005027780	0.2737223	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT1G68238	0.012858188	0.2741048	transmembrane protein
AT4G17920	0.029600456	0.2752463	RING/U-box superfamily protein
AT1G14280	0.000956664	0.2762202	phytochrome kinase substrate 2
AT2G07724	0.044539246	0.2777875	hypothetical protein
AT4G38840	0.007545898	0.2782558	SAUR-like auxin-responsive protein family
AT2G20875	0.004032997	0.2840744	epidermal patterning factor 1
AT2G35700	0.041863488	0.2846309	ERF family protein 38
AT1G01520	0.009112415	0.2858592	Homeodomain-like superfamily protein
AT3G61840	0.033175920	0.2862944	auxin response factor%2C putative (DUF688)
AT2G38180	0.004487182	0.2911547	SGNH hydrolase-type esterase superfamily protein
AT5G01740	0.000740514	0.2935794	Nuclear transport factor 2 (NTF2) family protein
AT5G41761	0.000029667	0.2949797	hypothetical protein
AT5G45820	0.001133542	0.2951721	CBL-interacting protein kinase 20
AT2G02950	0.000795313	0.2984186	phytochrome kinase substrate 1
AT5G61570	0.016454636	0.2987693	Protein kinase superfamily protein
AT1G08747	0.026724195	0.299607	NA
AT4G19060	0.048298050	0.3035229	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT5G53710	0.018615832	0.3048945	hypothetical protein
AT4G30230	0.033801411	0.306612	hypothetical protein
AT5G20670	0.008934133	0.3071946	DUF1677 family protein (DUF1677)
AT4G35720	0.004144908	0.3094491	DUF241 domain protein%2C putative (DUF241)
AT3G51400	0.019920320	0.3122184	hypothetical protein (DUF241)
AT5G01880	0.010207102	0.3130379	RING/U-box superfamily protein
AT2G46310	0.008348409	0.3133843	cytokinin response factor 5
AT3G50825	0.019874557	0.3142224	NA
AT4G05690	0.038677385	0.3161192	NA
AT1G68520	0.008738169	0.3201182	B-box type zinc finger protein with CCT domain-containing protein
AT5G11070	0.000138741	0.3208965	hypothetical protein
AT3G15570	0.009264119	0.3218151	Phototropic-responsive NPH3 family protein
AT5G25240	0.022094520	0.3224867	stress induced protein
AT1G68460	0.032912399	0.3226398	isopentenyltransferase 1
AT4G15550	0.005306507	0.3236602	indole-3-acetate beta-D-glucosyltransferase

AT5G49330	0.041969656	0.3240453	myb domain protein 111
AT3G05936	0.045921516	0.3246154	hypothetical protein
AT1G76190	0.045073843	0.3255608	SAUR-like auxin-responsive protein family
AT2G47670	0.047744694	0.3273666	Plant invertase/pectin methylesterase inhibitor superfamily protein
AT1G05990	0.017053335	0.3278034	EF hand calcium-binding protein family
AT2G36050	0.000331245	0.3289401	ovate family protein 15
AT4G34750	0.009512479	0.3290711	SAUR-like auxin-responsive protein family
AT3G57040	0.003688428	0.3295861	response regulator 9
AT1G52530	0.046763037	0.3305784	Hus1-like protein
AT4G25780	0.000005534	0.3310228	CAP (Cysteine-rich secretory proteins%2C Antigen 5%2C and Pathogenesis-related 1 protein) superfamily
AT5G23280	0.019962921	0.3314378	TCP family transcription factor
AT5G62920	0.011228509	0.3314977	response regulator 6
AT3G59940	0.010319831	0.3333454	Galactose oxidase/kelch repeat superfamily protein
AT2G25220	0.007500608	0.3340865	Protein kinase superfamily protein
AT2G29090	0.000638502	0.339132	cytochrome P450%2C family 707%2C subfamily A%2C polypeptide 2
AT1G17960	0.003685198	0.3400084	Threonyl-tRNA synthetase
AT1G06083	0.046914201	0.3403254	NA
AT5G57180	0.000507135	0.3413631	chloroplast import apparatus 2
AT3G19850	0.006632180	0.3413787	Phototropic-responsive NPH3 family protein
AT5G39680	0.002333114	0.3427271	Pentatricopeptide repeat (PPR) superfamily protein
AT4G19170	0.008215879	0.3427857	nine-cis-epoxycarotenoid dioxygenase 4
AT5G02760	0.000856476	0.3434398	Protein phosphatase 2C family protein
AT1G18735	0.009267934	0.3436761	NA
AT2G14060	0.046592128	0.3438157	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT1G28000	0.009152553	0.3449664	Pentatricopeptide repeat (PPR) superfamily protein
AT3G46760	0.045970314	0.349128	Protein kinase superfamily protein
AT1G75960	0.000648482	0.3492334	AMP-dependent synthetase and ligase family protein
AT1G26790	0.002772141	0.3509082	Dof-type zinc finger DNA-binding family protein
AT4G18980	0.047735412	0.3521988	AtS40-3
AT2G41940	0.000713943	0.3533288	zinc finger protein 8
AT4G37540	0.001214524	0.3537806	LOB domain-containing protein 39
AT5G04190	0.000224507	0.3565546	phytochrome kinase substrate 4
AT1G49200	0.029837623	0.3566977	RING/U-box superfamily protein

AT1G64405	0.031893088	0.3599697	hypothetical protein
AT5G13180	0.005182047	0.362318	NAC domain containing protein 83
AT1G49660	0.010845606	0.3635341	carboxyesterase 5
AT1G18400	0.037368950	0.3657864	BR enhanced expression 1
AT5G62430	0.000826279	0.3659258	cycling DOF factor 1
AT3G50570	0.006448042	0.3661763	hydroxyproline-rich glycoprotein family protein
AT2G40610	0.019678613	0.3676188	expansin A8
AT3G07675	0.040483624	0.367941	NA
AT3G02020	0.034272612	0.3680482	aspartate kinase 3
AT3G48720	0.007322094	0.369436	HXXXD-type acyl-transferase family protein
AT3G08660	0.042701711	0.3702768	Phototropic-responsive NPH3 family protein
AT1G68570	0.003436206	0.3702848	Major facilitator superfamily protein
AT1G60060	0.004173628	0.3705756	Serine/threonine-protein kinase WNK (With No Lysine)-like protein
AT1G71970	0.001931326	0.3710446	hypothetical protein
AT3G19680	0.001765405	0.3730232	hypothetical protein (DUF1005)
AT1G06977	0.019793750	0.3771236	NA
AT5G11060	0.006207214	0.3774471	homeobox protein knotted-1-like 4
AT1G50040	0.009452148	0.3776752	formin-like protein%2C putative (DUF1005)
AT2G23130	0.002944456	0.3816669	arabinogalactan protein 17
AT4G22560	0.038307576	0.3840616	sulfated surface-like glycoprotein
AT5G15850	0.009096946	0.3853356	CONSTANS-like 1
AT1G64590	0.035717060	0.3865472	NAD(P)-binding Rossmann-fold superfamily protein
AT5G09930	0.040578224	0.3867555	ABC transporter family protein
AT4G25990	0.045815366	0.3877164	CCT motif family protein
AT4G13540	0.029353351	0.3878004	golgin family A protein
AT5G61590	0.002373546	0.3893014	Integrase-type DNA-binding superfamily protein
AT5G62100	0.033796036	0.389809	BCL-2-associated athanogene 2
AT5G15310	0.043766360	0.3899151	myb domain protein 16
AT5G02650	0.011405510	0.3915605	hypothetical protein
AT2G34610	0.001266370	0.3916508	cotton fiber protein
AT3G04140	0.000096729	0.3926539	Ankyrin repeat family protein
AT2G25625	0.024104306	0.3929318	histone deacetylase-like protein
AT3G45210	0.005476274	0.3936556	transcription initiation factor TFIID subunit (Protein of unknown function%2C DUF584)

AT3G49970	0.013720725	0.3959317	Phototropic-responsive NPH3 family protein
AT2G05765	0.037481230	0.4006643	NA
AT2G20180	0.019726454	0.4018912	phytochrome interacting factor 3-like 5
AT3G18845	0.031246166	0.4020415	NA
AT1G49130	0.022555746	0.4022934	B-box type zinc finger protein with CCT domain-containing protein
AT5G07240	0.006803781	0.4024607	IQ-domain 24
AT1G67626	0.022252682	0.4025386	NA
AT2G47440	0.000767618	0.4034865	Tetratricopeptide repeat (TPR)-like superfamily protein
AT2G28200	0.041862960	0.4042079	C2H2-type zinc finger family protein
AT3G08795	0.002992520	0.4046771	NA
AT5G55570	0.015162989	0.4047334	transmembrane protein
AT1G10550	0.001477987	0.4048179	xyloglucan:xyloglucosyl transferase 33
AT1G65920	0.004363294	0.4058915	Regulator of chromosome condensation (RCC1) family with FYVE zinc finger domain-containing protein
AT1G26761	0.006149722	0.4061758	Arabinanase/levansucrase/invertase
AT5G54145	0.012865439	0.4075333	hypothetical protein
AT5G60850	0.032031930	0.4078572	OBF binding protein 4
AT2G27770	0.041147128	0.40939	DUF868 family protein (DUF868)
AT5G43270	0.005474609	0.4103985	squamosa promoter binding protein-like 2
AT4G25750	0.002223676	0.4120323	ABC-2 type transporter family protein
AT1G27940	0.004286577	0.4122795	P-glycoprotein 13
AT2G41510	0.018416949	0.4130922	cytokinin oxidase/dehydrogenase 1
AT1G26920	0.000096508	0.4132913	zinc finger CCHC domain protein
AT4G35783	0.029346799	0.4136296	ROTUNDIFOLIA like 6
AT1G14920	0.000075287	0.4139102	GRAS family transcription factor family protein
AT1G11440	0.047626076	0.4139806	hypothetical protein
AT5G54190	0.010418984	0.4141012	protochlorophyllide oxidoreductase A
AT3G06120	0.037277771	0.4141487	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT3G61900	0.012390102	0.4159455	SAUR-like auxin-responsive protein family
AT5G59920	0.021071534	0.4160808	Cysteine/Histidine-rich C1 domain family protein
AT4G06255	0.023702421	0.4162358	NA
AT5G43870	0.026119694	0.4169539	auxin canalization protein (DUF828)
AT4G16563	0.011982485	0.4171656	Eukaryotic aspartyl protease family protein
AT4G03400	0.010647491	0.417496	Auxin-responsive GH3 family protein

AT5G63195	0.022365417	0.4180125	NA
AT4G29905	0.011595987	0.4184069	hypothetical protein
AT1G77760	0.043729491	0.4208488	nitrate reductase 1
AT4G16515	0.007209612	0.4209458	root meristem growth factor
AT3G14810	0.002686850	0.421299	mechanosensitive channel of small conductance-like 5
AT2G15020	0.000841613	0.4216038	hypothetical protein
AT1G68130	0.002266461	0.4229499	indeterminate(ID)-domain 14
AT3G50630	0.025067413	0.4230922	KIP-related protein 2
AT1G10020	0.004052656	0.4253004	formin-like protein (DUF1005)
AT5G25840	0.001723454	0.425499	DUF1677 family protein (DUF1677)
AT5G10310	0.030917899	0.4255284	EPIDERMAL PATTERNING FACTOR-like protein
AT1G52990	0.015413285	0.4258375	thioredoxin family protein
AT1G45545	0.022556178	0.4258674	WEAK CHLOROPLAST MOVEMENT UNDER BLUE LIGHT-like protein (DUF827)
AT5G19200	0.003520226	0.4259523	NAD(P)-binding Rossmann-fold superfamily protein
AT5G44190	0.000636660	0.4266088	GOLDEN2-like 2
AT3G61890	0.017520478	0.4267764	homeobox 12
AT5G61455	0.025484341	0.4269182	NA
AT3G28040	0.000586289	0.4270616	Leucine-rich receptor-like protein kinase family protein
AT3G18550	0.029281861	0.4272037	TCP family transcription factor
AT1G73830	0.010057701	0.4275491	BR enhanced expression 3
AT1G18350	0.017254770	0.4282073	MAP kinase kinase 7
AT5G65660	0.000939755	0.4287255	hydroxyproline-rich glycoprotein family protein
AT1G75770	0.038096964	0.4302778	hypothetical protein
AT5G51030	0.012624685	0.4303456	NAD(P)-binding Rossmann-fold superfamily protein
AT2G38995	0.024187400	0.4305625	O-acyltransferase (WSD1-like) family protein
AT3G06070	0.001369365	0.4306574	hypothetical protein
AT5G20790	0.036865951	0.4307367	transmembrane protein
AT2G42380	0.004787921	0.4307736	Basic-leucine zipper (bZIP) transcription factor family protein
AT1G54820	0.037799385	0.4314132	Protein kinase superfamily protein
AT4G19380	0.000008851	0.4321602	Long-chain fatty alcohol dehydrogenase family protein
AT4G22730	0.004085092	0.4321726	Leucine-rich repeat protein kinase family protein
AT2G19980	0.013639180	0.4333114	CAP (Cysteine-rich secretory proteins%2C Antigen 5%2C and Pathogenesis-related 1 protein) superfamily
AT1G79900	0.048741257	0.4347922	Mitochondrial substrate carrier family protein

AT4G35270	0.003033125	0.4360493	Plant regulator RWP-RK family protein
AT5G03615	0.043528242	0.4362827	NA
AT2G43200	0.002825971	0.4366593	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT3G58120	0.004077370	0.4370869	Basic-leucine zipper (bZIP) transcription factor family protein
AT5G07640	0.015677300	0.4381959	RING/U-box superfamily protein
AT5G25190	0.004015060	0.4383812	Integrase-type DNA-binding superfamily protein
AT2G29170	0.049649906	0.4387345	NAD(P)-binding Rossmann-fold superfamily protein
AT1G15260	0.025934626	0.4402859	LOW protein: ATP-dependent RNA helicase-like protein
AT1G21260	0.001394926	0.440475	NA
AT3G53690	0.035861249	0.4406735	RING/U-box superfamily protein
AT4G33666	0.003226887	0.4415459	hypothetical protein
AT2G04560	0.025221561	0.4428723	transferases%2C transferring glycosyl groups
AT1G66950	0.036626728	0.4445613	pleiotropic drug resistance 11
AT3G07350	0.001614127	0.4445774	sulfate/thiosulfate import ATP-binding protein%2C putative (DUF506)
AT2G42870	0.025494500	0.4449085	phy rapidly regulated 1
AT3G50750	0.031071379	0.4452705	BES1/BZR1 homolog 1
AT1G34245	0.021072036	0.4452921	Putative membrane lipoprotein
AT1G70230	0.022442505	0.4456858	TRICHOME BIREFRINGENCE-LIKE 27
AT1G23205	0.002265802	0.4458189	Plant invertase/pectin methylesterase inhibitor superfamily protein
AT1G74090	0.015611325	0.4462414	desulfo-glucosinolate sulfotransferase 18
AT1G75580	0.019376265	0.4470168	SAUR-like auxin-responsive protein family
AT3G25590	0.022250671	0.4470763	micronuclear linker histone polyprotein-like protein
AT4G18830	0.000685111	0.447449	ovate family protein 5
AT1G72180	0.002934087	0.4475723	Leucine-rich receptor-like protein kinase family protein
AT1G79770	0.025998025	0.4478949	CASP-like protein (DUF1677)
AT2G43340	0.005582183	0.4498449	hypothetical protein (DUF1685)
AT4G21510	0.032596669	0.4499435	F-box family protein
AT5G35777	0.005173242	0.4500927	NA
AT4G01410	0.000567671	0.4503821	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT2G40330	0.002094065	0.4522653	PYR1-like 6
AT1G73210	0.016772612	0.4524174	hypothetical protein (DUF789)
AT3G11090	0.000454738	0.4548711	LOB domain-containing protein 21
AT2G45560	0.007990652	0.4550563	cytochrome P450%2C family 76%2C subfamily C%2C polypeptide 1

AT5G19190	0.004121625	0.4551799	hypothetical protein
AT2G23430	0.009314590	0.4555909	Cyclin-dependent kinase inhibitor family protein
AT3G25640	0.008137069	0.4562693	MIZU-KUSSEI-like protein (Protein of unknown function%2C DUF617)
AT2G42280	0.011352717	0.4580308	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT3G61590	0.007738512	0.4583618	Galactose oxidase/kelch repeat superfamily protein
AT1G05690	0.027671817	0.4584406	BTB and TAZ domain protein 3
AT2G09510	0.018466165	0.4590036	NA
AT3G46550	0.022710677	0.459451	Fasciclin-like arabinogalactan family protein
AT5G19970	0.030455108	0.4594561	GRAS family transcription factor family protein
AT3G22104	0.000759292	0.4595389	Phototropic-responsive NPH3 family protein
AT1G07720	0.018538824	0.4601605	3-ketoacyl-CoA synthase 3
AT5G63450	0.014509477	0.4602869	cytochrome P450%2C family 94%2C subfamily B%2C polypeptide 1
AT1G62520	0.008392761	0.460319	sulfated surface-like glycoprotein
AT4G28690	0.024802988	0.4605835	hypothetical protein
AT1G50270	0.045888394	0.4608352	Pentatricopeptide repeat (PPR) superfamily protein
AT3G10525	0.005892812	0.4621273	LOSS OF GIANT CELLS FROM ORGANS
AT1G25440	0.021512232	0.4621334	B-box type zinc finger protein with CCT domain-containing protein
AT1G62975	0.002290378	0.4623563	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT3G06145	0.022446804	0.46248	RING zinc finger protein
AT4G27410	0.007903711	0.4633857	NAC (No Apical Meristem) domain transcriptional regulator superfamily protein
AT3G14760	0.037163443	0.4645891	transmembrane protein
AT5G16560	0.001050967	0.4650353	Homeodomain-like superfamily protein
AT1G29195	0.029454918	0.4651106	phosphatidylinositol 4-phosphate 5-kinase MSS4-like protein
AT1G05562	0.000435687	0.4652148	NA
AT3G61750	0.024766417	0.4654458	Cytochrome b561/ferric reductase transmembrane with DOMON related domain-containing protein
AT3G59400	0.003050427	0.4655359	protein GENOMES UNCOUPLED 4
AT3G50700	0.001404562	0.4660682	indeterminate(ID)-domain 2
AT1G05560	0.000572158	0.466207	UDP-glucosyltransferase 75B1
AT2G29970	0.000232737	0.4663917	Double Clp-N motif-containing P-loop nucleoside triphosphate hydrolases superfamily protein
AT3G10570	0.021776928	0.4675773	cytochrome P450%2C family 77%2C subfamily A%2C polypeptide 6
AT1G13250	0.037766311	0.4675775	galacturonosyltransferase-like 3
AT4G29140	0.005032651	0.467821	MATE efflux family protein
AT2G03310	0.000831559	0.4691062	transmembrane protein

AT3G49650	0.000737719	0.4691213	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT3G11410	0.001585291	0.4702704	protein phosphatase 2CA
AT2G28410	0.033827617	0.471144	transmembrane protein
AT4G13770	0.041744645	0.4716162	cytochrome P450%2C family 83%2C subfamily A%2C polypeptide 1
AT5G64620	0.018226662	0.4718286	cell wall / vacuolar inhibitor of fructosidase 2
AT3G45260	0.003246872	0.4719826	C2H2-like zinc finger protein
AT2G17230	0.000329677	0.4725908	EXORDIUM like 5
AT5G39080	0.000149168	0.4735582	HXXXD-type acyl-transferase family protein
AT5G03120	0.016458544	0.4738953	transmembrane protein
AT3G61950	0.047818527	0.473963	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT5G06790	0.008059163	0.4740282	cotton fiber protein
AT3G09275	0.029836726	0.4751712	NA
AT1G18100	0.012082212	0.4758688	PEBP (phosphatidylethanolamine-binding protein) family protein
AT2G18560	0.007377346	0.4759062	UDP-Glycosyltransferase superfamily protein
AT1G68530	0.000142564	0.4759226	3-ketoacyl-CoA synthase 6
AT3G49670	0.002576042	0.4764384	Leucine-rich receptor-like protein kinase family protein
AT5G14350	0.005317495	0.4764412	Pentatricopeptide repeat (PPR) superfamily protein
AT3G14330	0.016736131	0.4767878	Tetratricopeptide repeat (TPR)-like superfamily protein
AT5G06250	0.041695239	0.4775978	AP2/B3-like transcriptional factor family protein
AT1G11150	0.011476357	0.477667	NA
AT2G44230	0.002986536	0.4777104	hypothetical protein (DUF946)
AT3G47500	0.000583271	0.4782584	cycling DOF factor 3
AT4G28780	0.018727477	0.4785642	GDSL-like Lipase/Acylhydrolase superfamily protein
AT1G26600	0.038672246	0.4786406	CLAVATA3/ESR-RELATED 9
AT1G01030	0.006441873	0.4786669	AP2/B3-like transcriptional factor family protein
AT3G48360	0.008608505	0.4788255	BTB and TAZ domain protein 2
AT5G24570	0.001605324	0.4788378	hypothetical protein
AT5G26200	0.009712404	0.4790697	Mitochondrial substrate carrier family protein
AT5G50160	0.024009096	0.479559	ferric reduction oxidase 8
AT3G06770	0.015445890	0.479673	Pectin lyase-like superfamily protein
AT5G48730	0.004683690	0.480376	Pentatricopeptide repeat (PPR) superfamily protein
AT5G51550	0.010168242	0.4805629	EXORDIUM like 3
AT5G06530	0.014913420	0.4814177	ABC-2 type transporter family protein

AT1G78995	0.013681409	0.4817452	hypothetical protein
AT1G75460	0.006601262	0.4819414	ATP-dependent protease La (LON) domain protein
AT3G53380	0.007732790	0.4820106	Concanavalin A-like lectin protein kinase family protein
AT5G22930	0.009997139	0.4832131	enabled-like protein (DUF1635)
AT3G42800	0.029857510	0.483667	AF-like protein
AT3G02380	0.005706203	0.4837627	CONSTANS-like 2
AT5G54630	0.007287262	0.4838086	zinc finger protein-like protein
AT1G52880	0.001461425	0.483989	NAC (No Apical Meristem) domain transcriptional regulator superfamily protein
AT2G34490	0.026521365	0.4840044	cytochrome P450%2C family 710%2C subfamily A%2C polypeptide 2
AT1G53870	0.039715280	0.484036	LURP-one-like protein (DUF567)
AT1G53890	0.039645233	0.4840365	LURP-one-like protein (DUF567)
AT3G01350	0.039282381	0.4841128	Major facilitator superfamily protein
AT1G65620	0.019726587	0.4845234	Lateral organ boundaries (LOB) domain family protein
AT1G16500	0.028209957	0.4848973	filamentous hemagglutinin transporter
AT2G41990	0.040381877	0.485017	late embryogenesis abundant protein
AT1G21460	0.029133956	0.4852453	Nodulin MtN3 family protein
AT5G28030	0.039802192	0.4852515	L-cysteine desulfhydrase 1
AT5G55620	0.036917094	0.4856293	hypothetical protein
AT1G21920	0.022458169	0.4857407	Histone H3 K4-specific methyltransferase SET7/9 family protein
AT1G02380	0.001213255	0.4859358	transmembrane protein
AT2G40900	0.047579506	0.4860954	nodulin MtN21 /EamA-like transporter family protein
AT5G53210	0.016627032	0.486486	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT5G46690	0.027426672	0.48671	beta HLH protein 71
AT2G15050	0.021480244	0.486764	lipid transfer protein
AT5G28300	0.005212914	0.4868206	Duplicated homeodomain-like superfamily protein
AT4G31730	0.032708304	0.4871225	glutamine dumper 1
AT3G25717	0.012990682	0.4871553	ROTUNDIFOLIA like 16
AT1G77850	0.012542220	0.4876119	auxin response factor 17
AT5G47610	0.035847863	0.4890092	RING/U-box superfamily protein
AT5G07670	0.002335382	0.489223	RNI-like superfamily protein
AT3G16560	0.008561219	0.4906271	Protein phosphatase 2C family protein
AT3G55110	0.039519532	0.4908041	ABC-2 type transporter family protein
AT1G24330	0.010916303	0.4910497	ARM repeat superfamily protein

AT5G64190	0.045857798	0.4913678	neuronal PAS domain protein
AT3G16330	0.016388880	0.4913695	Avr9/Cf-9 rapidly elicited protein
AT1G06180	0.007366828	0.491711	myb domain protein 13
AT1G60010	0.022507203	0.4921197	D-ribose-binding periplasmic protein
AT5G51670	0.006442415	0.4922367	hypothetical protein (DUF668)
AT4G36240	0.033943854	0.4936687	GATA transcription factor 7
AT4G09350	0.034447439	0.4939032	Chaperone DnaJ-domain superfamily protein
AT1G68550	0.004448296	0.493981	Integrase-type DNA-binding superfamily protein
AT2G39250	0.037455950	0.4941807	Integrase-type DNA-binding superfamily protein
AT5G48880	0.044573734	0.4952246	peroxisomal 3-keto-acyl-CoA thiolase 2
AT4G06536	0.040131723	0.4958741	SPla/Ryanodine receptor (SPRY) domain-containing protein
AT2G01940	0.010830595	0.4960385	C2H2-like zinc finger protein
AT5G56860	0.006054983	0.4963312	GATA type zinc finger transcription factor family protein
AT2G36026	0.026407148	0.4964355	Ovate family protein
AT2G03750	0.006705614	0.4971813	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT5G08150	0.000969843	0.4987148	suppressor of phytochrome b 5
AT1G70940	0.023728145	0.4991056	Auxin efflux carrier family protein
AT1G80760	0.040562269	0.4994533	NOD26-like intrinsic protein 6%3B1