

Table S3: Classification of up-regulated genes into common and specific when comparing chitohexaose and MLG43 treatments in Col-0 plants

	MLG43 specific genes vs chitohexaose
	MLG43 and chitohexaose common genes
	Chitohexaose specific genes against MLG43

gene ID	n-fold MLG43	n-fold Chi6	p-value MLG43	p-value Chi6	Annotation
AT1G04127	#iDIV/0!	#iDIV/0!	0.041249252	0.093851223	NA
AT5G44990	#iDIV/0!	#iDIV/0!	0.016138105	0.068699001	Glutathione S-transferase family protein
AT4G31970	#iDIV/0!	#iDIV/0!	0.025922844	0.376289198	cytochrome P450%2C family 82%2C subfamily C%2C polypeptide 2
AT2G40740	#iDIV/0!	#iDIV/0!	0.027074013	0.08390479	WRKY DNA-binding protein 55
AT1G14550	#iDIV/0!	#iDIV/0!	0.018360239	0.073498151	Peroxidase superfamily protein
AT1G13550	#iDIV/0!	#iDIV/0!	0.025161714	0.100111058	hypothetical protein (DUF1262)
AT5G60260	#iDIV/0!	#iDIV/0!	0.033734583	0.229308054	hypothetical protein
AT2G47150	#iDIV/0!	#iDIV/0!	0.043560178	0.183592789	NAD(P)-binding Rossmann-fold superfamily protein
AT1G16140	#iDIV/0!	#iDIV/0!	6.25109E-05	0.058874359	NA
AT4G05940	#iDIV/0!	#iDIV/0!	0.000239534	NA	NA
AT4G32510	#iDIV/0!	#iDIV/0!	0.029095872	0.183541826	HCO3- transporter family
AT5G06820	#iDIV/0!	#iDIV/0!	0.012169166	0.120565455	STRUBBELIG-receptor family 2
AT5G53135	#iDIV/0!	#iDIV/0!	0.040295136	0.234905521	NA
AT1G18382	#iDIV/0!	#iDIV/0!	0.024897725	0.305650867	NA
AT3G13433	#iDIV/0!	#iDIV/0!	0.023867154	0.05050201	transmembrane protein
AT5G44565	#iDIV/0!	#iDIV/0!	0.04223909	0.422649731	transmembrane protein
AT1G49030	#iDIV/0!	#iDIV/0!	0.046336217	0.422649731	PLAC8 family protein
AT3G51560	#iDIV/0!	#iDIV/0!	0.006252216	0.051963884	Disease resistance protein (TIR-NBS-LRR class) family
AT5G48890	#iDIV/0!	#iDIV/0!	0.001208848	NA	C2H2-like zinc finger protein
AT4G01735	#iDIV/0!	#iDIV/0!	0.025445603	0.186224496	polyhomeotic-like protein
AT3G02705	#iDIV/0!	#iDIV/0!	0.0142037	0.147044333	NA
AT3G09922	#iDIV/0!	#iDIV/0!	0.019880144	NA	induced by phosphate starvation1
AT1G27820	#iDIV/0!	#iDIV/0!	0.036077363	0.258952837	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein
AT5G52710	#iDIV/0!	#iDIV/0!	0.010610321	0.10071378	Copper transport protein family
AT3G50160	#iDIV/0!	#iDIV/0!	0.037550743	0.056239266	transmembrane protein%2C putative (DUF247)
AT1G79680	187.6428268	221.1592933	0.012214081	0.062268664	WALL ASSOCIATED KINASE (WAK)-LIKE 10
AT1G15625	86.96991711	118.1293087	0.0071304	0.054246239	E3 ubiquitin-protein ligase
AT4G23610	71.62725965	137.0471512	0.025545673	0.066857476	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT5G52670	50.57316497	34.55531347	0.016160714	0.127001999	Copper transport protein family
AT1G67980	47.50103497	28.27107019	0.000513025	0.072275402	caffeoyl-CoA 3-O-methyltransferase
AT3G53600	39.84075308	37.61279714	0.017071632	0.142021399	C2H2-type zinc finger family protein
AT5G01540	33.15669334	57.6305006	0.020414687	0.093928603	lectin receptor kinase a4.1
AT5G40000	29.59181191	49.50485482	0.005787712	0.083531996	P-loop containing nucleoside triphosphate hydrolases superfamily protein

AT1G21230	26.4856577	41.724022	0.009646583	0.078522749	wall associated kinase 5
AT4G15236	26.02566456	23.08736741	0.020951325	0.063142559	ABC-2 and Plant PDR ABC-type transporter family protein
AT1G67000	24.66101761	22.41763561	0.039130398	0.103143403	Protein kinase superfamily protein
AT1G68450	23.57636396	21.45525537	0.027597603	0.065797473	VQ motif-containing protein
AT2G18210	20.80085425	20.3306822	0.020954066	0.081800723	hypothetical protein
AT2G43000	20.01749812	24.15155492	0.024344827	0.10305589	NAC domain containing protein 42
AT1G69150	18.98994864	5.633530044	0.040867406	0.107323839	Cysteine/Histidine-rich C1 domain family protein
AT1G13480	18.98506662	23.33778013	0.003915681	0.058609487	hypothetical protein (DUF1262)
AT5G45070	17.43435133	15.66620213	0.038821126	0.063105236	phloem protein 2-A8
AT3G49580	16.16942145	7.775401488	0.006268262	0.163341252	response to low sulfur 1
AT5G12340	14.59793147	8.228360908	0.01155328	0.12724125	DUF4228 domain protein
AT5G02895	14.04095383	11.81890477	0.010550204	0.199675415	NA
AT2G07305	13.18817699	4.907254299	0.042090948	0.446708014	NA
AT5G51190	11.79181791	19.42215773	0.004194448	0.204829919	Integrase-type DNA-binding superfamily protein
AT3G04135	11.73562385	9.042343428	0.047736153	0.144311953	NA
AT5G40590	11.60998601	6.935781049	0.003613718	0.101456288	Cysteine/Histidine-rich C1 domain family protein
AT4G21903	11.39296583	9.334750547	0.001579847	0.095181151	MATE efflux family protein
AT2G01360	11.24100403	3.842756237	0.042818736	0.540529384	pentatricopeptide (PPR) repeat protein
AT2G28210	10.76410484	16.66657667	0.017128698	0.1364163	alpha carbonic anhydrase 2
AT1G28480	10.62553932	10.41554184	0.011616656	0.170450984	Thioredoxin superfamily protein
AT3G18250	9.965187336	5.54964476	0.012355378	0.061229567	Putative membrane lipoprotein
AT2G04510	9.80986832	13.4807074	0.027486567	0.119701259	NA
AT4G03480	9.66571917	5.277242188	0.00970062	0.071286793	Ankyrin repeat family protein
AT2G07769	9.524659626	5.360147885	0.008359846	0.308698979	NA
AT4G28085	9.485539002	9.259522326	0.023851284	0.178715006	transmembrane protein
AT5G42930	9.133694652	2.427943342	0.030230439	0.530011758	alpha/beta-Hydrolases superfamily protein
AT4G36052	9.099738746	3.723336947	0.003710085	0.45331988	NA
AT3G12880	9.077483621	9.151802826	0.021341173	0.118060205	Plant invertase/pectin methylesterase inhibitor superfamily protein
AT4G29340	8.768443603	2.353264092	0.011038525	0.484418012	profilin 4
AT1G19250	8.658415423	13.03083118	0.039368978	0.172968244	flavin-dependent monooxygenase 1
AT1G06073	7.923717845	3.216247371	0.020575347	0.568438941	NA
AT1G32960	7.815174234	10.3262422	0.047081776	0.061759964	Subtilase family protein
AT1G76430	7.758637544	6.977310495	0.020443603	0.109607318	phosphate transporter 1%3B9
AT2G18690	7.520278554	11.50748924	0.002009085	0.206975122	transmembrane protein
AT1G17990	7.494186292	2.932138536	0.002053398	0.580041514	FMN-linked oxidoreductases superfamily protein
AT1G28370	7.461955224	11.34315289	0.033307839	0.167814442	ERF domain protein 11
AT4G10510	7.274475877	7.176110402	0.033459284	0.057091008	Subtilase family protein
AT5G05215	7.152476916	1.514884922	0.001710238	0.650398188	NA
AT1G18020	7.147077933	9.68447357	0.022237887	0.129465968	FMN-linked oxidoreductases superfamily protein
AT5G06740	7.096870273	7.736579114	0.000259753	0.075842495	Concanavalin A-like lectin protein kinase family protein

AT5G49780	6.692178528	3.993297638	0.003368321	0.138271262	Leucine-rich repeat protein kinase family protein
AT2G01180	6.339850814	5.82407964	0.014532669	0.446672848	phosphatidic acid phosphatase 1
AT2G17060	6.277028379	9.984419238	0.038166406	0.06452161	Disease resistance protein (TIR-NBS-LRR class) family
AT3G09020	6.192471154	8.925389851	0.007294852	0.237174701	alpha 1%2C4-glycosyltransferase family protein
AT1G74590	5.95480715	3.554170517	0.020130169	0.076776036	glutathione S-transferase TAU 10
AT1G30190	5.93685199	11.53350678	0.045382373	0.078650574	cotton fiber protein
AT3G49570	5.859760085	2.402688783	0.00407074	0.412611545	response to low sulfur 3
AT5G64900	5.839845489	3.484205599	0.031038274	0.132730434	precursor of peptide 1
AT3G43840	5.602787537	3.266811577	0.024072757	0.140054729	3-oxo-5-alpha-steroid 4-dehydrogenase family protein
AT5G67310	5.52407475	8.049153277	0.002392899	0.103181553	cytochrome P450%2C family 81%2C subfamily G%2C polypeptide 1
AT4G08860	5.404823279	0	0.033743541	0.422649731	NA
AT3G09345	5.363738829	6.94564984	0.029919771	0.208353302	NA
AT2G09994	5.183870369	4.223514132	0.047582533	0.265886099	NA
ATMG00540	5.080468514	3.08738825	0.044710754	0.34312536	hypothetical protein
AT2G07713	5.080468514	3.08738825	0.044710754	0.34312536	hypothetical protein
AT3G22125	5.053567827	3.723888072	0.015861184	0.167585405	transmembrane protein
AT3G04640	4.996775399	6.168675646	0.025056022	0.188985456	glycine-rich protein
AT3G09940	4.951116041	2.933401105	0.005499153	0.159209745	monodehydroascorbate reductase
AT1G06867	4.775110512	2.852895517	0.018126507	0.151373099	NA
AT5G01881	4.735574528	2.509143101	0.009382212	0.246097211	transmembrane protein
AT1G14480	4.704749571	10.31102358	0.030661792	0.050511733	Ankyrin repeat family protein
AT1G53980	4.622444364	1.864745485	0.002792426	0.459765237	Ubiquitin-like superfamily protein
AT3G61280	4.601027185	3.447850366	0.014759537	0.271189172	O-glucosyltransferase rumi-like protein (DUF821)
AT5G66670	4.488935369	4.74644112	0.000170558	0.141396466	pectinesterase%2C putative (DUF677)
AT3G42883	4.359732521	4.396988582	0.034700278	0.080520329	NA
AT4G10990	4.215886962	7.801141253	0.021435991	0.058915034	NA
AT3G12720	4.190543124	2.06827027	0.049321557	0.336586762	myb domain protein 67
AT4G21840	4.177381396	1.864580697	0.029479205	0.409929102	methionine sulfoxide reductase B8
AT4G04505	4.084536456	0	0.015297171	0.18352636	NA
AT1G50310	4.056672935	5.028821146	0.012118201	0.140990381	sugar transporter 9
AT5G67080	4.031074221	2.976672122	0.036717172	0.084899304	mitogen-activated protein kinase kinase kinase 19
AT1G21100	3.951743665	3.963707478	0.008222066	0.05044672	O-methyltransferase family protein
AT4G39030	3.942559159	4.46275632	0.004328571	0.059688248	MATE efflux family protein
AT5G44063	3.901428287	2.552891617	0.027362963	0.42518261	hypothetical protein
AT1G07620	3.876399393	3.319846519	0.004891887	0.068598186	GTP-binding protein Obg/CgtA
AT2G07661	3.865310327	2.072589922	0.015341249	0.237839342	hypothetical protein
AT1G73010	3.86279628	6.168647007	0.012961546	0.090531059	inorganic pyrophosphatase 1
AT3G01140	3.856187663	2.150495222	0.046841181	0.566415578	myb domain protein 106
AT1G53633	3.843977169	2.805512321	0.018914852	0.327149686	hypothetical protein
AT1G19180	3.826343862	4.685004382	0.027110234	0.071637384	jasmonate-zim-domain protein 1

AT4G07165	3.788301086	5.789442631	0.043236779	0.294394168	NA
AT2G07825	3.576037583	2.557571245	0.03700466	0.27092926	hypothetical protein
AT1G53990	3.543574817	1.166745328	0.000525252	0.495180062	GDSL-motif lipase 3
AT4G18430	3.532415995	4.596829398	0.020818221	0.056162705	RAB GTPase homolog A1E
AT5G52320	3.516601582	2.032110055	0.046790464	0.125876664	cytochrome P450%2C family 96%2C subfamily A%2C polypeptide 4
AT5G23000	3.506226475	2.973245222	0.000655099	0.082559642	myb domain protein 37
AT2G44340	3.450125777	0.88607778	0.023841058	0.877850059	VQ motif-containing protein
AT5G52200	3.449516998	2.90092066	0.003913226	0.286894113	phosphoprotein phosphatase inhibitor
AT2G02310	3.448730031	1.999499692	0.04839015	0.48107028	phloem protein 2-B6
AT1G03920	3.443830251	2.342403048	0.033384077	0.188922924	Protein kinase family protein
AT2G30750	3.438450922	3.313308568	0.028785483	0.208695123	cytochrome P450 family 71 polypeptide
AT5G44900	3.337334646	2.474953785	0.043832546	0.106027821	Toll-Interleukin-Resistance (TIR) domain family protein
AT3G13020	3.326330757	4.101732138	0.013556182	0.055346953	hAT transposon superfamily protein
AT5G53990	3.321118466	2.041552102	0.03188971	0.066300715	UDP-Glycosyltransferase superfamily protein
AT5G44582	3.297862655	2.882163255	0.019240182	0.055716049	hypothetical protein
AT5G46350	3.254166857	1.849330423	0.009589942	0.068225747	WRKY DNA-binding protein 8
AT1G17750	3.213007867	5.453001191	0.02713926	0.075663041	PEP1 receptor 2
AT2G07644	3.211306344	1.477128937	0.048682973	0.715437596	hypothetical protein
AT5G24240	3.180558481	4.163756588	0.000478313	0.110682078	phosphatidylinositol 4-kinase gamma-like protein
AT2G02380	3.15230142	0.376036107	0.035116416	0.364626763	glutathione S-transferase (class zeta) 2
AT5G38212	3.136001954	4.037357776	0.005542884	0.104710606	NA
AT1G51670	3.101620557	6.108607785	0.031674077	0.062564542	hypothetical protein
AT4G29770	3.093099082	2.926236792	0.035848175	0.073218913	target of trans acting-siR480/255 protein
AT3G57210	3.08761698	3.247090991	0.048910096	0.116066838	hypothetical protein
AT5G59550	3.051897533	4.764775336	0.024638313	0.203440292	zinc finger (C3HC4-type RING finger) family protein
AT3G06490	3.046789549	2.349366592	0.024210645	0.169388268	myb domain protein 108
AT1G74080	2.974857292	2.68211122	0.013475329	0.122237937	myb domain protein 122
AT1G72930	2.954979454	2.595674701	0.001928502	0.109981799	toll/interleukin-1 receptor-like protein
AT1G18860	2.920387154	2.057032096	0.019352284	0.213840877	WRKY DNA-binding protein 61
AT2G18150	2.907733959	2.025355096	0.009669967	0.066346013	Peroxidase superfamily protein
AT3G01513	2.882071981	1.465014653	0.013376274	0.305635913	hypothetical protein
AT5G60320	2.86075397	0	0.002723868	0.03752019	Concanavalin A-like lectin protein kinase family protein
AT3G45080	2.854364307	1.479801058	0.042106573	0.357643764	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT5G03210	2.842913551	6.62003168	0.024682048	0.114512242	E3 ubiquitin-protein ligase
AT3G45330	2.814236376	1.594921694	0.03525271	0.227093285	Concanavalin A-like lectin protein kinase family protein
AT1G72540	2.803474456	1.669882685	0.010584987	0.167413275	Protein kinase superfamily protein
AT2G15760	2.803410177	1.660475578	0.014667428	0.213938197	calmodulin-binding protein (DUF1645)
AT1G23560	2.803192484	1.996352854	0.008871865	0.020528257	OBP32pep%2C putative (DUF220)
AT4G22610	2.790535055	1.116658513	0.045841458	0.855926916	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein
AT3G12040	2.689333254	2.279683477	0.01163638	0.103440091	DNA-3-methyladenine glycosylase (MAG)

AT4G29570	2.671303592	0.891276716	0.045438382	0.82993936	Cytidine/deoxycytidylate deaminase family protein
AT5G44480	2.643047961	2.197910933	0.024804205	0.094422415	NAD(P)-binding Rossmann-fold superfamily protein
AT3G03020	2.627436394	3.93759934	0.046148517	0.068310775	hypothetical protein
AT3G52800	2.627128184	1.271242547	0.001670032	0.850822326	A20/AN1-like zinc finger family protein
AT3G55090	2.61308869	1.704227998	0.009068709	0.148911637	ABC-2 type transporter family protein
AT5G59270	2.597225118	1.489250433	0.005689885	0.603936004	Concanavalin A-like lectin protein kinase family protein
AT5G41835	2.582151556	1.196694817	0.032890364	0.482114383	NA
AT5G64530	2.569613239	2.38053927	0.010416937	0.128823352	xylem NAC domain 1
AT5G44575	2.539779966	1.451884687	0.001918224	0.183245964	hypothetical protein
AT2G46750	2.507356234	1.539814016	0.007136448	0.262252619	D-arabinono-1%2C4-lactone oxidase family protein
AT2G41082	2.502292869	1.705750739	0.011131976	0.052580009	hypothetical protein
AT5G46330	2.498669989	2.250855658	0.003476942	0.207258039	Leucine-rich receptor-like protein kinase family protein
AT2G13900	2.480479049	1.472956668	0.009142728	0.351524938	Cysteine/Histidine-rich C1 domain family protein
AT1G35710	2.468127768	2.772236133	0.042810072	0.097444029	kinase family with leucine-rich repeat domain-containing protein
AT2G39420	2.416074738	1.67140116	0.004670622	0.112685388	alpha/beta-Hydrolases superfamily protein
AT1G13510	2.413674378	1.30976652	0.015000998	0.719881381	hypothetical protein (DUF1262)
AT1G72070	2.397456652	1.883137782	0.00667252	0.022950441	Chaperone DnaJ-domain superfamily protein
AT3G47550	2.394572789	2.812949769	0.003208298	0.109750735	RING/FYVE/PHD zinc finger superfamily protein
AT1G53700	2.387390862	1.720944876	0.000263447	0.000760463	WAG 1
AT3G21680	2.365048575	1.042692047	0.013136281	0.890790764	hypothetical protein
AT3G23550	2.327739559	1.582219719	0.027870934	0.095778164	MATE efflux family protein
AT3G51710	2.300719233	1.933519166	0.002517639	0.016720865	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain-containing protein
AT2G32660	2.27243675	1.969228767	0.016542938	0.175586423	receptor like protein 22
AT3G09910	2.263215337	1.737029856	0.013960152	0.179963023	RAB GTPase homolog C2B
AT4G19460	2.259976669	3.610771083	0.000615302	0.063103586	UDP-Glycosyltransferase superfamily protein
AT4G05335	2.256293631	0.877244192	0.039402764	0.827692546	NA
AT5G02680	2.254574785	2.080814985	0.038510889	0.103313823	methionine-tRNA ligase
AT3G08170	2.249473073	1.837817737	0.04107047	0.087008044	NA
AT1G51805	2.235839566	1.972604443	0.007233219	0.00778962	Leucine-rich repeat protein kinase family protein
AT3G24420	2.234105599	1.490959812	0.016189991	0.065199632	alpha/beta-Hydrolases superfamily protein
AT5G49300	2.216087388	1.28778966	0.009558401	0.328958693	GATA transcription factor 16
AT3G15390	2.210355691	1.851533469	0.011090159	0.018636298	silencing defective 5
AT2G46530	2.184329835	1.557106899	0.005633542	0.151491025	auxin response factor 11
ATCG01130	2.177613052	1.417667825	0.042777036	0.27604181	Ycf1 protein
AT4G24340	2.174506064	1.948506482	0.011366073	0.370753188	Phosphorylase superfamily protein
AT3G18830	2.168052387	1.763746851	0.001634174	0.04285939	polyol/monosaccharide transporter 5
AT5G56840	2.15679452	1.261418572	0.039969581	0.734604721	myb-like transcription factor family protein
AT5G58690	2.154187748	1.804056722	0.011730716	0.034372723	phosphatidylinositol-speciwc phospholipase C5
AT1G25277	2.153339433	1.314830693	0.025535425	0.28174217	hypothetical protein
AT1G67148	2.148532742	1.606109377	0.041839376	0.047074661	hypothetical protein

AT2G25000	2.147321149	1.046701506	0.00557308	0.789809365	WRKY DNA-binding protein 60
AT5G44460	2.139721036	1.605224347	0.003678644	0.061979471	calmodulin like 43
AT1G10480	2.123054758	1.469064296	0.016871257	0.186370955	zinc finger protein 5
AT5G65609	2.111604681	1.566545138	0.029349919	0.181361297	hypothetical protein
AT3G46070	2.075011281	1.299199782	0.03793467	0.608986123	C2H2-type zinc finger family protein
AT3G57730	2.063892024	3.208311342	0.011139391	0.309423711	Protein kinase superfamily protein
AT5G26660	2.057335419	1.313611794	0.019122248	0.066385733	myb domain protein 86
AT5G25450	2.053178111	1.711974588	0.02242993	0.008155726	Cytochrome bd ubiquinol oxidase%2C 14kDa subunit
AT3G22800	2.048766098	2.135595254	0.010056802	0.08250972	Leucine-rich repeat (LRR) family protein
AT1G13540	2.041190958	2.211756767	0.043082588	0.180622968	hypothetical protein (DUF1262)
AT5G63790	2.031639377	1.99656962	0.008876233	0.011011659	NAC domain containing protein 102
AT4G31500	2.028012346	1.819448774	0.00852483	0.072448292	cytochrome P450%2C family 83%2C subfamily B%2C polypeptide 1
AT5G49480	2.024189108	1.876821425	0.01612033	0.001996504	Ca2+-binding protein 1
AT1G14200	2.024042052	2.395284715	0.016721236	0.229656035	RING/U-box superfamily protein
AT5G09980	2.018833002	1.643828596	0.049751009	0.221523544	elicitor peptide 4 precursor
AT3G50290	2.01462714	1.029087993	0.008568812	0.875323731	HXXXD-type acyl-transferase family protein
AT1G21520	2.007450781	0.931845273	0.032670317	0.78495371	hypothetical protein
AT3G33103	2.005649543	1.799030426	0.007464266	0.098920852	NA
AT2G38860	2.004183311	1.660647717	0.002787923	0.039166093	Class I glutamine amidotransferase-like superfamily protein
AT3G14470	2.000939495	1.973426073	0.012625887	0.047162515	NB-ARC domain-containing disease resistance protein
AT2G43120	2.21948937	2.919376118	0.00319324	0.0322263	RmlC-like cupins superfamily protein
AT4G19520	4.634693253	11.04462976	0.01704877	0.038804768	disease resistance protein (TIR-NBS-LRR class) family
AT1G51660	2.726338651	7.822221974	0.029521757	0.001144629	mitogen-activated protein kinase kinase 4
AT1G65486	3.00270798	6.563311085	0.022366432	0.004391635	transmembrane protein
AT3G18710	8.693845009	14.23063558	1.89386E-05	0.019928049	plant U-box 29
AT1G51890	15.80088775	34.67010924	0.006257557	0.023313416	Leucine-rich repeat protein kinase family protein
AT5G35370	2.184957898	2.174494985	0.005626811	0.003127673	S-locus lectin protein kinase family protein
AT1G19770	3.237056938	7.809012469	0.019260148	0.015278187	purine permease 14
AT5G41680	8.012077943	12.05564076	0.02661408	0.018509774	Protein kinase superfamily protein
AT2G40095	8.535647385	14.46877643	0.014217762	0.001387208	Alpha/beta hydrolase related protein
AT4G12720	4.752876097	9.961513948	0.032592216	0.001238849	MutT/nudix family protein
AT2G44290	2.233694381	3.867867647	0.000361855	0.003649859	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein
AT1G65510	3.894730239	5.030065274	0.018742198	0.00516009	transmembrane protein
AT1G31540	2.598684638	3.9250847	0.00469686	0.007828346	Disease resistance protein (TIR-NBS-LRR class) family
AT5G64890	70.40759385	42.33127029	0.001533279	1.085E-05	elicitor peptide 2 precursor
AT5G20050	2.315078288	2.829203545	0.022730581	0.007016317	Protein kinase superfamily protein
AT3G52400	9.342446706	23.67014318	0.011688237	0.008163096	syntaxin of plants 122
AT1G72920	5.84842012	11.56687929	0.012727062	0.029708718	Toll-Interleukin-Resistance (TIR) domain family protein
AT3G45440	6.262639778	4.510305302	0.004026072	0.033321613	Concanavalin A-like lectin protein kinase family protein
AT1G61340	5.687150036	14.86840215	0.031257011	0.001288782	F-box family protein

AT5G45280	2.262177195	3.361527384	0.017926216	0.00886594	Pectinacylesterase family protein
AT1G27770	3.866396567	8.525198248	0.014947229	0.015085642	autoinhibited Ca2+-ATPase 1
AT3G51920	3.213447069	4.356749942	0.002696275	0.012515764	calmodulin 9
AT2G17705	2.617553195	4.231544381	0.012004644	0.003964955	methionine-S-oxide reductase
AT1G11050	4.535411743	6.484400982	0.002889989	0.005137452	Protein kinase superfamily protein
AT1G69810	2.605967011	2.401801992	0.002338456	0.03770864	WRKY DNA-binding protein 36
AT3G22060	3.129962291	4.6387627	0.021316759	0.000183083	Receptor-like protein kinase-related family protein
AT3G50060	2.042321043	2.521836578	0.009830723	0.000953427	myb domain protein 77
AT5G38350	2.176046758	2.565557787	0.024033583	7.43878E-05	Disease resistance protein (NBS-LRR class) family
AT2G38870	3.923298941	4.943053294	0.020495345	0.009289108	Serine protease inhibitor%2C potato inhibitor I-type family protein
AT1G65484	43.05844715	58.99765462	0.009544266	0.019018011	transmembrane protein
AT3G25510	2.727711292	3.128937748	0.002308289	0.001103134	disease resistance protein (TIR-NBS-LRR class) family protein
AT2G40180	5.842704146	16.41654732	0.03198219	5.56105E-06	phosphatase 2C5
AT4G37370	23.2202821	23.55749714	0.012351809	0.003486883	cytochrome P450%2C family 81%2C subfamily D%2C polypeptide 8
AT4G04960	2.144143114	2.807478918	7.94347E-05	0.024986381	Concanavalin A-like lectin protein kinase family protein
AT3G13100	4.396056093	6.276946882	0.020057103	0.007595491	multidrug resistance-associated protein 7
AT5G11210	79.3873993	116.3907831	0.007703675	0.019777052	glutamate receptor 2.5
AT1G27730	11.04102148	28.46609577	0.012180599	0.002016975	salt tolerance zinc finger
AT2G46620	3.70494556	7.817262794	0.01294083	0.003080793	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT4G17615	3.335664937	4.494167802	0.01691867	0.004345752	calcineurin B-like protein 1
AT3G55470	2.005718464	2.758123303	0.039103795	0.000582361	Calcium-dependent lipid-binding (CaLB domain) family protein
AT2G39380	27.35040694	20.52537317	0.006910413	0.03545239	exocyst subunit exo70 family protein H2
AT4G24110	2.916464094	4.271615261	0.015662625	0.007409099	NADP-specific glutamate dehydrogenase
AT1G19415	3.388945211	3.549136069	0.020868003	0.025762596	NA
AT3G44400	2.556114525	5.101622668	0.008190057	0.006826026	Disease resistance protein (TIR-NBS-LRR class) family
AT2G40000	2.425088496	4.863451014	0.010460035	0.006790765	ortholog of sugar beet HS1 PRO-1 2
AT3G13437	4.326501912	5.626758189	0.005985071	0.00567033	transmembrane protein
AT2G44840	8.897003751	19.94647277	0.031817932	0.013518592	ethylene-responsive element binding factor 13
AT1G56240	33.07116587	73.55136045	0.030793302	0.00048686	phloem protein 2-B13
AT1G23840	3.749108002	5.570188975	0.001995977	0.009528391	transmembrane protein
AT3G05370	9.114945278	11.35686269	0.000870075	9.72409E-06	receptor like protein 31
AT2G26560	38.84607256	117.2490775	0.023193994	0.030002798	phospholipase A 2A
AT2G46430	16.38367043	24.42875793	0.002378405	0.005087355	cyclic nucleotide gated channel 3
AT1G52200	5.520156285	5.85838705	0.002327256	0.001611863	PLAC8 family protein
AT3G05200	2.346746849	3.284354134	0.00065055	0.000350735	RING/U-box superfamily protein
AT4G23200	2.594048911	8.714929838	0.015556749	0.012170045	cysteine-rich RLK (RECEPTOR-like protein kinase) 12
AT1G26380	161.7438889	226.6050642	0.018412427	0.000156871	FAD-binding Berberine family protein
AT5G12930	4.024369654	5.452906932	0.014104046	0.001218702	inactive rhomboid protein
AT1G13590	2.196631622	2.94751916	0.037993401	0.008249444	phytosulfokine 1 precursor
AT2G01040	#iDIV/0!	#iDIV/0!	0.001229953	0.035698518	NA

AT3G13650	5.019441665	3.311904239	0.00011842	0.043730731	Disease resistance-responsive (dirigent-like protein) family protein
AT1G59870	7.71154593	13.19382568	0.015278353	0.017608561	ABC-2 and Plant PDR ABC-type transporter family protein
AT1G59620	2.778104083	3.594538041	0.005869392	0.007888818	Disease resistance protein (CC-NBS-LRR class) family
AT5G54710	9.086970841	19.11131502	0.024005381	9.0442E-05	Ankyrin repeat family protein
AT1G51820	10.45392738	14.6897732	0.022453045	0.00079019	Leucine-rich repeat protein kinase family protein
AT2G42060	10.03654077	12.77730852	0.002422124	0.024557639	Cysteine/Histidine-rich C1 domain family protein
AT3G46690	2.164369974	2.372451644	0.000115358	0.022236449	UDP-Glycosyltransferase superfamily protein
AT4G09570	2.353591821	4.194187351	0.011591713	0.000381936	calcium-dependent protein kinase 4
AT3G08710	3.593507819	5.552351943	0.00998993	0.001582933	thioredoxin H-type 9
AT3G06890	4.163324736	5.464667578	0.008988873	0.003518192	transmembrane protein
AT5G25250	14.28737229	47.38115418	0.03558997	0.000508491	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT2G32240	3.32551212	4.041599401	0.037413986	0.000113462	early endosome antigen
AT2G41380	3.225544077	2.568586362	0.000638293	0.002266348	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT3G50470	3.163556041	4.998267069	0.022229695	0.005938881	homolog of RPW8 3
AT5G22690	4.736664734	9.081962656	0.048318933	0.006257059	Disease resistance protein (TIR-NBS-LRR class) family
AT2G20960	6.425950945	14.42080039	0.005019869	0.005695281	phospholipase-like protein (PEARLI 4) family protein
AT3G44630	2.617359752	4.177812659	0.006609318	0.008002107	Disease resistance protein (TIR-NBS-LRR class) family
AT3G11080	5.146779714	9.859669255	0.006077188	0.011751186	receptor like protein 35
AT2G30720	2.36263378	2.661482427	0.027697914	0.009489459	Thioesterase/thiol ester dehydrase-isomerase superfamily protein
AT5G48410	5.161621955	6.675915419	0.001909403	0.04505235	glutamate receptor 1.3
AT5G44910	9.731976967	16.39334483	0.005535864	5.16446E-06	Toll-Interleukin-Resistance (TIR) domain family protein
AT3G10815	3.782446423	5.546820514	0.007476954	0.013422555	RING/U-box superfamily protein
AT3G21630	3.873979588	5.83411741	0.00251328	0.001116299	chitin elicitor receptor kinase 1
AT4G39230	2.702084989	3.76184918	0.026022157	3.48827E-06	NmrA-like negative transcriptional regulator family protein
AT5G44585	15.61392695	17.30095365	0.01396668	0.022044417	hypothetical protein
AT2G17040	13.59681058	71.34431779	0.027711169	0.002570683	NAC domain containing protein 36
AT4G18197	12.38274855	18.23000851	0.015411145	0.036615108	purine permease 7
AT4G36550	3.021784046	5.436389568	0.001380143	0.003787486	ARM repeat superfamily protein
AT1G03220	3.657474881	4.764413033	0.013638877	8.35781E-05	Eukaryotic aspartyl protease family protein
AT1G56540	3.970344649	7.785263583	0.023813574	0.00634664	Disease resistance protein (TIR-NBS-LRR class) family
AT1G61460	7.318104378	11.27240397	0.026004524	0.00195327	G-type lectin S-receptor-like Serine/Threonine-kinase
AT5G54720	5.293985637	16.58967172	0.026954202	0.037257503	Ankyrin repeat family protein
AT3G59700	4.654638991	8.373869133	5.83983E-05	0.017580755	lectin-receptor kinase
AT3G19615	19.74760458	17.55470285	0.000115343	0.018759437	beta-1%2C4-xylosidase
AT2G39660	2.498165175	3.204494365	0.006709539	0.00286619	botrytis-induced kinase1
AT5G15730	2.338347845	3.433420221	0.040241601	0.002522139	Protein kinase superfamily protein
AT3G21080	2.919745358	3.951089451	0.003750506	0.009736793	ABC transporter-like protein
AT3G45650	4.362627637	5.17351206	0.014807105	8.80934E-05	nitrate excretion transporter1
AT2G31945	3.526318315	5.421270246	0.025288177	0.008511188	transmembrane protein
AT1G75860	2.514128132	3.207789543	0.048811509	0.017708091	DNA ligase

AT3G50480	2.700932499	4.182830962	0.007081537	0.001762313	homolog of RPW8 4
AT5G11670	2.748509076	5.366484145	0.006993786	0.005443069	NADP-malic enzyme 2
AT5G10380	2.2362622	2.62578041	0.033670463	0.000420031	RING/U-box superfamily protein
AT5G45080	5.213176361	3.357866515	0.002418965	0.003803893	phloem protein 2-A6
AT3G52748	6.054512358	5.481600244	0.020435293	0.041462615	NA
AT4G22690	6.078384323	9.513387908	0.015299772	0.003957962	cytochrome P450%2C family 706%2C subfamily A%2C polypeptide 1
AT2G19710	2.472697355	4.419875313	0.018358407	0.007103343	Regulator of Vps4 activity in the MVB pathway protein
AT4G34180	3.12587502	3.700492387	0.009383088	0.000286771	Cyclase family protein
AT1G78850	3.130243724	4.685169609	0.014312114	0.018214411	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain-containing protein
AT1G53625	69.19007965	137.6615727	0.027201988	0.001812148	hypothetical protein
AT2G31230	3.544482255	4.358395876	0.00839854	0.001022972	ethylene-responsive element binding factor 15
AT5G08790	3.450786126	3.655119605	0.006032413	0.000150892	NAC (No Apical Meristem) domain transcriptional regulator superfamily protein
AT2G22300	2.162045854	3.44765227	0.013778901	0.005224642	signal responsive 1
AT4G02200	3.037804118	5.974608152	0.018423402	0.002154253	Drought-responsive family protein
AT5G03700	2.548488424	3.009445458	0.005549342	0.000216828	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain-containing protein
AT1G71697	2.997371446	6.036485501	0.019350709	0.005216372	choline kinase 1
AT2G03530	3.842155319	4.231082101	0.004928458	0.000534411	ureide permease 2
AT4G13395	2.965344609	2.726581404	0.046721421	0.007492714	ROTUNDIFOLIA like 12
AT5G26340	2.275818245	2.470350734	0.000986803	0.047216617	Major facilitator superfamily protein
AT4G14220	3.246198128	3.662553184	0.000301073	0.003248122	RING-H2 group F1A
AT4G23220	19.78197931	60.48443181	0.015262617	0.001421654	cysteine-rich RECEPTOR-like kinase
AT3G57550	2.540240984	3.638212552	0.005726381	0.002306012	guanylate kinase
AT1G19380	3.191984532	4.983319275	0.010184461	0.004879264	sugar%2C putative (DUF1195)
AT5G44070	12.12482699	24.12205398	0.008575798	0.006201499	phytochelatin synthase 1 (PCS1)
AT2G22470	2.077479628	3.954396936	0.006377887	0.004377205	arabinogalactan protein 2
AT5G14930	2.137666689	4.799010856	0.030532626	0.00940282	senescence-associated gene 101
AT5G59820	2.952309262	12.37688352	0.02171359	5.09485E-06	C2H2-type zinc finger family protein
AT1G56510	3.269335682	5.831347659	0.01865226	0.00728034	Disease resistance protein (TIR-NBS-LRR class)
AT5G47230	9.508744893	27.11711711	0.002549238	0.001625934	ethylene responsive element binding factor 5
AT3G28340	3.005016896	9.306674406	0.011809205	0.007045106	galacturonosyltransferase-like 10
AT4G33060	2.483558288	2.691609758	0.022249828	0.028963387	Cyclophilin-like peptidyl-prolyl cis-trans isomerase family protein
AT4G35600	2.017149692	4.093629013	0.01115796	0.000149362	Protein kinase superfamily protein
AT3G54420	4.498204721	12.18530071	0.000195973	0.018298965	homolog of carrot EP3-3 chitinase
AT3G57740	5.217259501	7.245869737	0.032073761	0.01224669	Protein kinase superfamily protein
AT4G23570	2.399680596	3.253521515	0.011878569	0.002583825	phosphatase-like protein
AT1G76600	2.914933676	6.60319276	0.02601721	1.43566E-06	poly polymerase
AT4G37290	39.76748384	77.09343811	0.043696751	0.023373704	transmembrane protein
AT1G80840	9.034208847	16.43170068	0.025001605	0.002964154	WRKY DNA-binding protein 40
AT4G25390	2.755689744	4.243481523	0.017860801	0.000364091	Protein kinase superfamily protein
AT5G15130	8.803233295	5.580079689	0.000132699	0.048808795	WRKY DNA-binding protein 72

AT2G46440	5.086598377	4.855018424	0.024475519	0.003106621	cyclic nucleotide-gated channels
AT1G70140	3.988586965	7.470852506	0.02326571	0.002360089	formin 8
AT4G20000	34.57369768	52.96109305	0.003288737	0.003672569	VQ motif-containing protein
AT5G01640	2.587918548	4.10383525	0.004397273	0.010699966	prenylated RAB acceptor 1.B5
AT2G32210	3.916462879	14.07265831	0.034109126	0.006043021	cysteine-rich/transmembrane domain A-like protein
AT2G44380	2.988964877	3.147972234	0.000654123	0.000186551	Cysteine/Histidine-rich C1 domain family protein
AT1G10050	2.3048691	3.049822329	0.000811727	0.000217468	glycosyl hydrolase family 10 protein / carbohydrate-binding domain-containing protein
AT2G19190	36.22604962	24.72377056	0.005751695	0.010826615	FLG22-induced receptor-like kinase 1
AT1G30755	10.67472436	14.76293622	0.011749347	0.001216088	elongation factor G%2C putative (DUF668)
AT2G41835	2.709978179	4.57132892	0.008883363	0.00088371	zinc finger (C2H2 type%2C AN1-like) family protein
AT4G34390	4.270525971	9.930715798	0.023213554	0.003040187	extra-large GTP-binding protein 2
AT3G52430	4.824105383	6.865761103	2.73556E-05	0.0180995	alpha/beta-Hydrolases superfamily protein
AT1G30420	3.496656451	3.904963169	0.012943222	0.010069607	multidrug resistance-associated protein 12
AT4G15417	26.13380964	72.439391	0.006505891	0.005111312	RNAse II-like 1
AT1G63830	2.64149083	4.833035221	0.002970194	0.002373766	PLAC8 family protein
AT2G31880	8.680807785	16.80831118	0.016145794	0.005021072	Leucine-rich repeat protein kinase family protein
AT2G25460	7.080615139	13.38474044	0.009755254	0.009814825	EEG1/EHBP1 protein amino-terminal domain protein
AT2G39110	2.387363713	2.264380414	0.000890033	0.001547795	Protein kinase superfamily protein
AT1G80820	14.75297311	19.15600753	0.017401755	0.03809917	cinnamoyl coa reductase
AT3G57330	2.220703608	3.301147193	0.013649321	0.008397549	autoinhibited Ca2+-ATPase 11
AT3G09830	8.194549692	18.94622764	0.00857391	7.24543E-05	Protein kinase superfamily protein
AT1G33600	5.183164759	8.089177394	0.012020732	6.07075E-05	Leucine-rich repeat (LRR) family protein
AT5G52750	14.66030161	39.41583057	0.013117609	0.003676689	Heavy metal transport/detoxification superfamily protein
AT5G60270	2.231252205	2.999150739	0.004906686	0.000366033	Concanavalin A-like lectin protein kinase family protein
AT5G65920	2.15312372	2.657557159	0.007497272	0.001160035	ARM repeat superfamily protein
AT1G63750	3.631478846	5.447134025	0.002031567	0.005331147	Disease resistance protein (TIR-NBS-LRR class) family
AT3G62780	2.980006254	3.889106463	0.049217713	0.021236292	Calcium-dependent lipid-binding (CaLB domain) family protein
AT3G28210	3.104213562	6.429302755	0.002504269	0.005112127	zinc finger (AN1-like) family protein
AT5G01005	7.056250117	6.728468904	0.003092393	7.88035E-05	NA
AT1G14370	3.494642007	6.591414063	0.008242494	0.005545595	protein kinase 2A
AT5G28630	15.44775039	18.73676331	0.022170965	0.007969956	glycine-rich protein
AT5G10695	2.812357184	5.682974287	0.010684804	0.004454535	methionyl-tRNA synthetase
AT2G47190	3.086551363	2.744555923	0.016801171	0.0191647	myb domain protein 2
AT5G66630	2.584957571	4.519168867	0.030214264	1.0143E-05	DA1-related protein 5
AT4G17490	11.05232993	19.56239212	0.001459416	0.0038847	ethylene responsive element binding factor 6
AT4G35590	9.372269108	22.12937226	0.043927968	0.011777643	RWP-RK domain-containing protein
AT5G46910	4.239027553	7.758416305	0.028641606	0.001711838	Transcription factor jumonji (jmj) family protein / zinc finger (C5HC2 type) family protein
AT5G62150	16.54267534	34.08103141	0.017302911	0.01423738	peptidoglycan-binding LysM domain-containing protein
AT1G49000	12.2971534	23.76458379	0.010829524	0.00265141	transmembrane protein
AT2G44370	19.79832463	41.2049376	0.002600024	0.010117196	Cysteine/Histidine-rich C1 domain family protein

AT1G03905	2.29235534	2.757364657	0.008115813	0.016033057	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT3G13435	4.790351027	4.328140558	0.005765897	0.018002811	transmembrane protein
AT3G11820	4.906541611	8.392478686	0.014611864	0.033555528	syntaxin of plants 121
AT5G64870	5.57862712	16.23981735	0.015613772	0.041948572	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT4G14630	29.55838194	72.28631713	0.00963169	0.043610872	germin-like protein 9
AT3G02585	12.77084976	25.77754056	0.03525558	0.0401852	NA
AT1G63860	2.316768481	3.330898355	0.040508788	0.004126746	Disease resistance protein (TIR-NBS-LRR class) family
AT5G05850	2.384253933	3.662518471	0.024802176	0.002901044	plant intracellular ras group-related LRR 1
AT5G41740	8.871017468	20.87254681	0.008629786	0.000778802	Disease resistance protein (TIR-NBS-LRR class) family
AT1G51850	5.516613498	5.966269094	0.002060857	0.006678945	Leucine-rich repeat protein kinase family protein
AT4G36990	2.181453519	2.378056674	0.000553236	0.0147746	heat shock factor 4
AT5G15870	5.058586397	13.56087496	0.009953043	0.016496737	glycosyl hydrolase family 81 protein
AT5G49520	4.455193211	8.417321856	3.50108E-05	0.000917022	WRKY DNA-binding protein 48
AT3G12740	2.558035209	3.337360102	0.008630707	0.003545438	ALA-interacting subunit 1
AT3G03030	5.752531124	13.4460275	0.019612814	0.010265107	F-box/RNI-like superfamily protein
AT2G20142	8.966825314	16.46491181	0.003136161	3.11074E-07	Toll-Interleukin-Resistance (TIR) domain family protein
AT2G32020	9.58112577	11.87180803	0.011828259	0.01073437	Acyl-CoA N-acyltransferases (NAT) superfamily protein
AT1G09930	#jDIV/0!	#jDIV/0!	0.020284579	0.004015611	oligopeptide transporter 2
AT2G28570	2.255681	3.152065021	0.007877097	0.009646608	hypothetical protein
AT3G50460	2.603460885	3.187122094	0.019619153	0.018355936	homolog of RPW8 2
AT3G58490	2.142795161	2.795236946	0.024165212	0.00226706	Phosphatidic acid phosphatase (PAP2) family protein
AT5G45240	35.25008199	108.3454673	0.026815718	0.027888036	Disease resistance protein (TIR-NBS-LRR class)
AT3G48090	2.306346595	6.007891337	0.018134295	1.29446E-05	alpha/beta-Hydrolases superfamily protein
AT1G16110	4.113053201	6.390098457	0.008825303	0.002871462	wall associated kinase-like 6
AT5G41100	6.144523732	9.47691262	0.008297699	0.002819959	hydroxyproline-rich glycoprotein family protein
AT1G09950	2.796009552	6.335434765	0.044256965	0.016460705	RESPONSE TO ABA AND SALT 1
AT2G36780	2.0256538	2.634182727	0.013991711	0.02095847	UDP-Glycosyltransferase superfamily protein
AT1G61480	2.328596754	2.444191268	0.029452526	0.024374364	S-locus lectin protein kinase family protein
AT3G04210	5.390940514	4.524553608	0.02458988	0.003108386	Disease resistance protein (TIR-NBS class)
AT4G11330	2.981055248	6.466088027	0.003200783	0.021250597	MAP kinase 5
AT4G36150	2.341575566	2.763063254	0.00996876	0.001920354	Disease resistance protein (TIR-NBS-LRR class) family
AT1G47890	24.86814244	23.97463118	0.038239549	0.022041989	receptor like protein 7
AT3G49530	3.045482072	5.855706196	0.001850885	0.006911939	NAC domain containing protein 62
AT5G60350	#jDIV/0!	#jDIV/0!	0.011266216	0.045291547	hypothetical protein
AT1G58561	3.280928735	2.219154128	6.88417E-05	0.003917452	NA
AT4G33040	2.832486181	3.683810268	0.047327963	0.004559147	Thioredoxin superfamily protein
AT1G66880	3.748346465	7.732569086	0.00057247	0.008653544	Protein kinase superfamily protein
AT1G51790	3.430162475	7.139127105	0.000247747	0.001104074	Leucine-rich repeat protein kinase family protein
AT1G74330	3.32079484	3.911379038	0.016001526	0.00442262	Protein kinase superfamily protein
AT3G57750	2.023851857	2.169353285	0.002764761	0.001487507	Protein kinase superfamily protein

AT2G31865	8.737050806	19.0958345	0.013305648	0.002921772	poly(ADP-ribose) glycohydrolase 2
AT4G32300	2.417604428	2.759450834	0.005554152	0.00270865	S-domain-2 5
AT1G26420	30.15916525	38.17541414	0.006669607	0.001621877	FAD-binding Berberine family protein
AT1G07000	6.615203165	18.53726585	0.031371605	0.002346079	exocyst subunit exo70 family protein B2
AT1G18390	8.277779758	10.12504967	0.001700117	0.003778437	Serine/Threonine kinase family catalytic domain protein
AT2G39518	6.321736391	13.28262164	0.000450986	0.017553369	Uncharacterized protein family (UPF0497)
AT1G28190	5.745219784	4.766890544	0.00970287	0.012062323	hypothetical protein
AT4G01750	8.305577662	10.40864282	0.007339383	1.44957E-05	rhamnogalacturonan xylosyltransferase 2
AT4G11000	18.80064387	21.75561173	0.002483657	0.002336773	Ankyrin repeat family protein
AT4G11170	220.6977207	403.9129243	0.01319754	0.009446723	Disease resistance protein (TIR-NBS-LRR class) family
AT1G51700	5.239531838	10.48371345	0.012666918	0.004455448	DOF zinc finger protein 1
AT5G13210	3.288607104	2.567317447	0.033258129	0.000177393	Uncharacterized conserved protein UCP015417%2C vWA
AT5G59680	11.11620669	15.13887426	0.006500426	0.000126736	Leucine-rich repeat protein kinase family protein
AT3G48450	21.21639447	14.87822433	0.036383644	0.026876677	RPM1-interacting protein 4 (RIN4) family protein
AT5G05300	79.7792643	295.2957382	0.023953909	0.001257866	hypothetical protein
AT3G50140	2.612979226	3.631487557	0.000357899	0.01847544	transmembrane protein%2C putative (DUF247)
AT5G19230	2.517490168	4.139631214	0.001611039	0.001777685	Glycoprotein membrane precursor GPI-anchored
AT2G17220	2.641954757	5.245427114	0.023360614	0.00299694	Protein kinase superfamily protein
AT1G02360	14.55338082	30.29429822	0.002520153	0.014586849	Chitinase family protein
AT3G07600	5.684301857	5.458767841	0.0011383	0.007964902	Heavy metal transport/detoxification superfamily protein
AT4G23015	3.96722068	3.69168001	0.012736452	0.016723356	transmembrane protein
AT1G51620	7.293726858	12.54820653	0.026025145	0.005586744	Protein kinase superfamily protein
AT5G19240	16.95065719	31.14133427	0.008086996	0.002978511	Glycoprotein membrane precursor GPI-anchored
AT5G16170	2.515244566	4.782211767	0.020185313	0.015417394	Core-2/l-branching beta-1%2C6-N-acetylglucosaminyltransferase family protein
AT2G37810	231.8605566	245.7954731	0.031385429	0.030839369	Cysteine/Histidine-rich C1 domain family protein
AT1G30757	11.27849326	16.74134607	0.014939325	0.039213223	transmembrane protein
AT4G29780	5.811570792	17.64701536	0.005252573	0.000644101	nuclease
AT4G14368	#jDIV/0!	#jDIV/0!	0.020916092	0.018710659	Regulator of chromosome condensation (RCC1) family protein
AT3G10640	2.358707128	3.872997337	0.036404406	2.94605E-06	SNF7 family protein
AT3G25610	10.9296872	17.70748386	0.013712927	0.005126873	ATPase E1-E2 type family protein / haloacid dehalogenase-like hydrolase family protein
AT2G26190	6.637616403	9.634439112	0.006900504	0.003268562	calmodulin-binding family protein
AT3G46600	2.089249022	2.576080999	0.002148873	0.007203005	GRAS family transcription factor
AT1G61550	12.9584335	34.01146418	0.000107728	0.010052508	S-locus lectin protein kinase family protein
AT1G73130	2.270634344	2.402314558	0.026126027	0.006278659	mucin
AT2G13790	5.506307641	8.707841812	0.012880316	0.003252109	somatic embryogenesis receptor-like kinase 4
AT2G02860	2.69638138	3.671430111	0.002965752	0.013330956	sucrose transporter 2
AT4G18890	2.521795202	2.856387615	0.037744911	0.014795273	BES1/BZR1 homolog 3
AT1G72900	5.370022738	8.677496539	0.016177218	0.017802207	Toll-Interleukin-Resistance (TIR) domain-containing protein
AT1G65490	2.027655806	2.191375367	0.034564163	0.001199948	transmembrane protein
AT1G26410	29.58558796	34.94490397	0.045845733	0.033853907	FAD-binding Berberine family protein

AT2G13800	6.547452381	8.962164425	0.01693044	0.016084306	somatic embryogenesis receptor-like kinase 5
AT5G17680	2.112245629	4.489179965	0.026451296	0.000481537	disease resistance protein (TIR-NBS-LRR class)
AT5G27760	2.188346126	2.934385984	0.001624754	7.87278E-05	Hypoxia-responsive family protein
AT1G19020	20.75028382	32.74104956	0.020340996	0.000464019	CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferase
AT1G68765	7.933503104	48.26304144	0.038006805	0.019835811	Putative membrane lipoprotein
AT5G48530	10.46565202	11.24212433	0.019155724	0.013661169	hypothetical protein
AT1G14040	5.448802581	6.300154571	0.00246351	0.029909825	EXS (ERD1/XPR1/SYG1) family protein
AT5G43420	11.17644799	21.50617683	0.017812759	0.004469183	RING/U-box superfamily protein
AT3G17410	2.00859881	2.804127716	0.007742508	0.001884427	Protein kinase superfamily protein
AT4G01870	2.187002661	2.109432908	0.037000945	0.030965396	tolB protein-like protein
AT5G64120	4.177774053	6.736466624	0.004309729	0.005719932	Peroxidase superfamily protein
AT3G21070	8.468852754	17.65266339	0.014724323	0.00077294	NAD kinase 1
AT1G16130	5.467001547	10.44049916	0.011747253	0.005868558	wall associated kinase-like 2
AT1G42980	#jDIV/0!	#jDIV/0!	0.046053735	0.004099803	Actin-binding FH2 (formin homology 2) family protein
AT4G23190	11.21531433	17.55067537	0.008956847	0.002769017	cysteine-rich RLK (RECEPTOR-like protein kinase) 11
AT2G33580	4.173922655	9.354522105	0.013583741	0.006536319	Protein kinase superfamily protein
AT1G61360	10.20096243	22.90269416	0.007930558	0.025591205	S-locus lectin protein kinase family protein
AT4G11280	8.693609638	12.18184313	0.008433899	0.005454683	1-aminocyclopropane-1-carboxylic acid (acc) synthase 6
AT1G21110	23.76771325	29.99533151	0.010489821	0.0206728	O-methyltransferase family protein
AT1G80610	2.660524192	3.874772595	0.005601313	0.001706914	hypothetical protein
AT3G17690	12.43553085	22.94493094	0.018926278	0.005979892	cyclic nucleotide gated channel 19
AT5G45340	7.923886405	13.7431007	1.7763E-05	0.006743089	cytochrome P450%2C family 707%2C subfamily A%2C polypeptide 3
AT5G54810	2.08603135	3.355385357	0.009213692	0.012842725	tryptophan synthase beta-subunit 1
AT2G22500	9.334082004	29.44715454	0.016770321	0.001845236	uncoupling protein 5
AT1G35210	30.85535095	116.7959012	0.026704643	0.001470689	hypothetical protein
AT2G15390	9.159986962	16.54491063	0.00849259	0.014031094	fucosyltransferase 4
AT1G17240	4.223943395	13.69462686	0.015653577	0.005498598	receptor like protein 2
AT2G24600	14.71325502	33.29803781	0.02430859	0.013742405	Ankyrin repeat family protein
AT4G04700	3.15361164	9.193923511	0.012183034	0.01461711	calcium-dependent protein kinase 27
AT4G18250	44.84608704	53.14609834	0.028828255	0.004255295	receptor Serine/Threonine kinase-like protein
AT5G58940	7.129491301	9.239581041	0.003710237	0.016413793	calmodulin-binding receptor-like cytoplasmic kinase 1
AT2G30870	2.320586181	2.822292539	0.027866594	0.008555404	glutathione S-transferase PHI 10
AT1G07135	12.17651609	35.29816998	0.034899682	0.000482425	glycine-rich protein
AT5G66620	3.998141392	11.33560017	0.02459415	2.54828E-07	DA1-related protein 6
AT4G25350	29.03468985	80.19551038	0.034020438	0.004409792	EXS (ERD1/XPR1/SYG1) family protein
AT4G34460	2.440046165	6.137365847	0.022546381	0.007451597	GTP binding protein beta 1
AT1G66090	35.39267979	126.7212026	0.0375	0.011302748	Disease resistance protein (TIR-NBS class)
AT5G44060	3.169356323	5.594237672	0.023329458	0.014792471	embryo sac development arrest protein
AT5G42440	3.198659765	4.267987681	0.004004561	0.000261324	Protein kinase superfamily protein
AT1G28380	4.435399258	6.71308802	0.013033625	0.001115902	MAC/Perforin domain-containing protein

AT3G23250	5.066329973	8.649314181	0.022767037	0.029698269	myb domain protein 15
AT5G41550	7.526673506	21.61654854	0.00449266	0.02055941	Disease resistance protein (TIR-NBS-LRR class) family
AT2G30020	2.431042639	5.435578758	0.000681193	0.004201895	Protein phosphatase 2C family protein
AT1G70530	3.18844789	3.380653689	0.001407442	0.001275096	cysteine-rich RLK (RECEPTOR-like protein kinase) 3
AT5G20480	2.671975782	4.057514664	0.003035782	0.005758506	EF-TU receptor
AT3G62150	2.142485751	2.886527713	0.003791158	0.010519166	P-glycoprotein 21
AT4G15120	2.149315176	2.15921208	0.033427601	0.046934869	VQ motif-containing protein
AT5G02290	3.499806257	5.457476642	0.011081671	0.000571764	Protein kinase superfamily protein
AT4G25810	2.011009042	3.979502005	0.017563627	0.017411218	xyloglucan endotransglycosylase 6
AT3G20510	2.010935324	4.314144524	0.000737756	0.004182923	Transmembrane proteins 14C
AT2G27310	2.400238311	2.988529075	0.018082608	0.030167816	F-box family protein
AT1G61420	3.459865615	3.626292099	0.019074009	0.001027109	S-locus lectin protein kinase family protein
AT5G45090	#jDIV/0!	#jDIV/0!	0.004650251	0.00897147	phloem protein 2-A7
AT5G44568	5.062306537	6.267577103	0.009985784	0.012036083	transmembrane protein
AT2G36770	3.35914467	5.22665944	0.003166198	0.00988777	UDP-Glycosyltransferase superfamily protein
AT1G57630	6.116558278	21.4952161	0.01756494	0.000283763	Toll-Interleukin-Resistance (TIR) domain family protein
AT5G66480	2.597014433	3.578334455	0.030589563	0.037737729	bacteriophage N4 adsorption B protein
AT1G73805	6.347854958	10.85991203	0.000646213	0.007821003	Calmodulin binding protein-like protein
AT3G25600	2.757126646	6.249557263	0.002332695	7.99531E-06	Calcium-binding EF-hand family protein
AT5G66070	3.560473046	6.847473692	0.033057071	0.010358889	RING/U-box superfamily protein
AT1G08930	3.237137596	5.711243033	0.007822532	0.014236739	Major facilitator superfamily protein
AT5G04340	5.913513576	11.84923323	0.003651715	0.014949423	Zinc finger protein ZAT6
AT1G51800	5.729007926	10.02853647	0.018877067	0.002600093	Leucine-rich repeat protein kinase family protein
AT5G01100	9.209365972	20.02406487	0.039006806	0.001492367	O-fucosyltransferase family protein
AT4G29050	3.597749485	6.561130549	0.00319221	0.018497798	Concanavalin A-like lectin protein kinase family protein
AT5G46500	4.375646307	5.044369847	0.035035578	0.014761599	protein VARIATION IN COMPOUND TRIGGERED ROOT growth protein
AT4G14610	3.021101733	4.468346505	0.002114096	0.009169619	NA
AT3G63350	3.178235811	4.710885137	0.000794651	0.044281915	winged-helix DNA-binding transcription factor family protein
AT4G11230	3.069003841	3.375937997	0.039228484	0.005211633	Riboflavin synthase-like superfamily protein
AT4G29740	4.845510015	5.699248719	0.013727897	0.004149485	cytokinin oxidase 4
AT5G44870	2.411367676	3.368449084	0.032421365	0.000662954	Disease resistance protein (TIR-NBS-LRR class) family
AT1G02930	5.413972624	8.929763132	0.013053663	0.009759027	glutathione S-transferase 6
AT1G43000	35.52734381	161.0777455	0.024923447	0.011609024	PLATZ transcription factor family protein
AT2G17050	19.34432165	20.34412312	0.029134006	0.010861697	disease resistance protein (TIR-NBS-LRR class)
AT1G06137	10.37413716	54.79868377	0.040009245	0.016156578	transmembrane protein
AT1G74650	6.268779527	11.56329351	0.018774293	0.003932352	myb domain protein 31
AT5G67420	4.24648079	2.589218101	0.000721429	0.003843656	LOB domain-containing protein 37
AT3G50950	3.989260929	7.948524851	0.011453885	0.003504144	HOPZ-ACTIVATED RESISTANCE 1
AT2G47550	3.189718824	7.103214222	0.014617996	0.030490657	Plant invertase/pectin methylesterase inhibitor superfamily
AT4G38545	3.035405567	3.821982444	0.031917234	0.007010052	NA

AT2G13650	2.038018158	3.356939804	0.033678018	0.001092165	golgi nucleotide sugar transporter 1
AT1G65845	3.163067139	4.657949666	0.030961175	0.005612713	transmembrane protein
AT5G58430	2.811137526	4.83364483	0.008911689	0.002808175	exocyst subunit exo70 family protein B1
AT3G15356	9.760635739	13.80005243	0.033241277	0.000873951	Legume lectin family protein
AT1G61430	2.011935794	2.174134163	0.033902398	0.010430284	S-locus lectin protein kinase family protein
AT2G46940	4.866240813	8.978675436	0.015554079	0.006746153	fold protein
AT4G25719	5.088262493	8.286520902	0.006374237	0.013712654	NA
AT1G21130	6.281167911	9.109519894	0.009651276	0.016484719	O-methyltransferase family protein
AT1G59910	3.914148536	7.910364246	0.018603643	0.003897911	Actin-binding FH2 (formin homology 2) family protein
AT3G46280	3.301258484	4.629007538	0.017468898	0.006984298	kinase-like protein
AT5G25440	2.138211093	4.217358732	0.034500152	6.53968E-05	Protein kinase superfamily protein
AT5G48430	10.28648282	10.82276517	0.00032454	0.027673396	Eukaryotic aspartyl protease family protein
AT1G75000	2.736364464	5.916545307	0.024280873	0.0001979	GNS1/SUR4 membrane protein family
AT5G40540	3.091469433	4.460917353	0.020954951	0.001275177	Protein kinase superfamily protein
AT5G56610	2.365648217	2.682341795	0.034552998	0.017937733	Phosphotyrosine protein phosphatases superfamily protein
AT4G01250	4.228497967	8.049133773	0.018035717	0.004040131	WRKY family transcription factor
AT1G62422	2.058844216	2.342064117	0.002160339	0.006774244	hypothetical protein
AT2G11520	2.051625138	2.921678121	0.003628606	0.000223628	calmodulin-binding receptor-like cytoplasmic kinase 3
AT1G17147	32.89320658	47.12358641	0.026002771	0.00162999	VQ motif-containing protein
AT4G16957	4.563186816	6.72542758	0.013934123	0.02828129	SUPPRESSOR OF%2C CONSTITUTIVE protein
AT1G30730	4.208942703	5.695767682	0.01411002	0.016740867	FAD-binding Berberine family protein
AT2G28940	2.478774028	3.056584791	0.025009729	0.014093212	Protein kinase superfamily protein
AT5G43520	6.820239156	3.661515828	0.013606489	0.043516288	Cysteine/Histidine-rich C1 domain family protein
AT2G40140	6.753076168	17.87307056	0.008732937	6.13006E-05	zinc finger (CCCH-type) family protein
AT3G25900	2.575318071	3.482366768	0.046291631	0.002078614	Homocysteine S-methyltransferase family protein
AT1G02920	7.857899969	11.10365635	0.013042055	0.024486042	glutathione S-transferase 7
AT1G13530	3.557972736	4.361522231	0.003730549	0.02933605	hypothetical protein (DUF1262)
AT2G46160	2.479212298	3.389198808	0.008076219	0.035070072	RING/U-box superfamily protein
AT4G13510	2.076513478	2.935341581	0.015889371	0.000450551	ammonium transporter 1%3B1
AT1G63740	2.435702964	4.084194505	0.018262689	0.005543285	Disease resistance protein (TIR-NBS-LRR class) family
AT1G80450	2.632045541	5.107517192	0.041373691	0.000631022	VQ motif-containing protein
AT4G30530	2.271775584	2.392396973	0.01799355	0.034092221	Class I glutamine amidotransferase-like superfamily protein
AT1G14870	7.170171575	13.24360268	0.001277544	0.004130521	PLANT CADMIUM RESISTANCE 2
AT4G24970	2.431762749	2.701682505	0.0137397	0.008039427	Histidine kinase-%2C DNA gyrase B-%2C and HSP90-like ATPase family protein
AT1G15530	2.537334036	3.555023443	0.032119584	0.002124991	Concanavalin A-like lectin protein kinase family protein
AT5G57220	49.71036984	96.16200915	0.016510873	0.002077479	cytochrome P450%2C family 81%2C subfamily F%2C polypeptide 2
AT4G14450	16.89268995	44.72158489	0.019341021	0.007329465	hypothetical protein
AT5G67450	10.52342639	21.78449634	4.69854E-06	0.004540506	zinc-finger protein 1
AT1G20350	2.409303363	2.818200365	0.002248871	0.006001888	translocase inner membrane subunit 17-1
AT1G25390	4.379933538	5.589065753	0.013346557	0.001493594	Protein kinase superfamily protein

AT2G17740	20.83644824	26.72228342	0.001861024	0.021229481	Cysteine/Histidine-rich C1 domain family protein
AT1G34420	3.143943378	6.690595923	0.001396886	0.024133887	leucine-rich repeat transmembrane protein kinase family protein
AT1G65500	2.395650582	3.601044218	0.001546505	0.010970928	transmembrane protein
AT4G14365	18.82308352	56.78988436	0.022596776	0.001579922	hypothetical protein
AT3G45840	2.356295763	2.422572943	0.012332181	0.021284102	Cysteine/Histidine-rich C1 domain family protein
AT1G69840	2.465996367	4.091924593	0.011170783	0.00188268	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT3G45960	5.091032678	8.748741202	0.01044957	0.024572272	expansin-like A3
AT5G61210	2.986041766	7.014267091	0.016980066	0.006610569	soluble N-ethylmaleimide-sensitive factor adaptor protein 33
AT3G09010	5.428338605	6.643452762	0.019309742	0.019919339	Protein kinase superfamily protein
AT3G09405	4.764820429	5.748106142	0.038163593	3.99018E-05	Pectinacetylesterase family protein
AT5G66900	2.111418629	4.068398574	0.016711921	5.45093E-05	Disease resistance protein (CC-NBS-LRR class) family
AT4G39570	4.366645484	9.183772987	0.039833472	0.02486707	Galactose oxidase/kelch repeat superfamily protein
AT5G20230	2.571024997	4.144938382	0.001416862	0.001888303	blue-copper-binding protein
AT4G40020	19.33835117	22.90084014	1.90259E-05	0.014405584	Myosin heavy chain-related protein
AT5G01550	16.516182	40.3300477	0.010004125	0.000306023	lectin receptor kinase a4.1
AT2G36690	3.368106111	12.04237832	0.014334913	0.011703403	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase superfamily protein
AT5G26030	4.011294222	7.604250483	0.006553103	0.006446332	ferrochelatase 1
AT1G65850	7.581642148	14.85911296	0.001914428	1.57604E-05	Disease resistance protein (TIR-NBS-LRR class) family
AT5G23510	8.124051953	8.103948804	0.020669717	0.004186905	hypothetical protein
AT1G08050	3.204119879	7.657961555	0.027254238	8.37659E-07	Zinc finger (C3HC4-type RING finger) family protein
AT2G28400	4.350711652	5.488595482	0.040828477	0.004252587	senescence regulator (Protein of unknown function%2C DUF584)
AT4G24920	2.107759472	2.084814651	0.018253907	0.0193618	secE/sec61-gamma protein transport protein
AT2G32030	15.25352945	36.87640772	0.012555091	0.004079854	Acyl-CoA N-acyltransferases (NAT) superfamily protein
AT4G27970	3.986066075	4.60676775	0.027839092	0.011676153	SLAC1 homologue 2
AT1G16120	3.885109583	5.624884432	0.017060551	0.00027736	wall associated kinase-like 1
AT5G63130	5.219106155	6.192895175	0.015937775	0.001760733	Octicosapeptide/Phox/Bem1p family protein
AT1G35350	2.017544126	2.560232299	0.022173519	0.009885969	EXS (ERD1/XPR1/SYG1) family protein
AT1G53430	2.923530118	3.576009142	0.000741474	0.000480079	Leucine-rich repeat transmembrane protein kinase
AT5G55560	2.733012975	2.69981152	0.018851699	7.581E-05	Protein kinase superfamily protein
AT1G08940	2.188455445	2.340708338	0.001075735	0.00631494	Phosphoglycerate mutase family protein
AT4G08850	5.627478474	8.321139063	0.00740346	0.022166677	Leucine-rich repeat receptor-like protein kinase family protein
AT3G04110	2.223602466	3.399857378	0.007018135	0.010556765	glutamate receptor 1.1
AT3G03855	2.612871733	4.658967963	0.002627845	0.000815653	NA
AT2G47130	4.227374018	4.107170732	1.48795E-06	0.002093928	NAD(P)-binding Rossmann-fold superfamily protein
AT5G25910	8.283062591	9.556116097	6.8038E-05	0.002663416	receptor like protein 52
AT1G56140	4.798093078	7.215780721	0.009886797	0.003341671	Leucine-rich repeat transmembrane protein kinase
AT3G47090	6.933876021	5.83913741	0.001800935	0.048118976	Leucine-rich repeat protein kinase family protein
AT1G03370	3.714104223	7.629228553	0.007759657	0.000450826	C2 calcium/lipid-binding and GRAM domain containing protein
AT3G14870	2.070184372	2.945419302	0.022727993	0.006632254	hypothetical protein (DUF641)
AT3G50900	2.758668752	2.789368784	0.002989835	0.007816118	hypothetical protein

AT4G24380	2.647460271	3.685504564	0.02896663	0.000997177	dihydrofolate reductase
AT5G35735	9.471837468	27.13899003	0.020809714	0.00416424	Auxin-responsive family protein
AT5G47220	2.473688793	2.406301218	0.009292996	0.017923927	ethylene responsive element binding factor 2
AT5G06230	4.562493975	5.336045417	0.049712513	0.001303403	TRICHOME BIREFRINGENCE-LIKE 9
AT1G08450	2.049525965	2.627822609	0.000294606	0.002970957	calreticulin 3
AT4G38540	2.636559144	2.448091752	0.000707322	0.003575896	FAD/NAD(P)-binding oxidoreductase family protein
AT3G19010	5.071269578	6.372072552	0.008253151	0.012141975	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase superfamily protein
AT1G30370	27.48550386	55.75828149	0.017363293	0.000390798	alpha/beta-Hydrolases superfamily protein
AT1G61820	2.175271793	2.962091921	0.027850756	0.038647042	beta glucosidase 46
AT2G35658	18.79624487	44.61524766	0.040977965	0.006353902	transmembrane protein
AT3G26910	6.545146826	7.748943253	0.005643342	0.001688312	hydroxyproline-rich glycoprotein family protein
AT5G46520	4.442048246	8.555915819	0.013141472	0.010238863	Disease resistance protein (TIR-NBS-LRR class) family
AT4G23810	14.9818364	29.55104122	0.004669108	0.012448821	WRKY family transcription factor
AT3G21520	22.24668793	79.46920115	0.008816612	0.002536422	transmembrane protein%2C putative (DUF679 domain membrane protein 1)
AT1G64065	6.103799834	16.86663183	0.045233298	0.002748318	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT4G30280	5.245219401	10.56086643	0.031935964	0.002517986	xyloglucan endotransglucosylase/hydrolase 18
AT5G47910	5.232946799	8.62862038	0.007656556	0.022274664	respiratory burst oxidase homologue D
AT1G24140	27.79377176	89.52231663	0.037032347	0.002874474	Matrixin family protein
AT1G61370	4.109258156	5.041135214	0.000105879	0.007781284	S-locus lectin protein kinase family protein
AT1G66480	2.781174301	3.543536933	0.000489063	0.027181023	plastid movement impaired 2
AT4G11480	#jDIV/0!	#jDIV/0!	0.02085372	0.048054821	cysteine-rich RLK (RECEPTOR-like protein kinase) 32
AT3G59310	2.482993886	3.471221863	0.005447591	0.005835043	solute carrier family 35 protein (DUF914)
AT1G09940	3.928703705	8.717564275	0.048836002	0.001640424	Glutamyl-tRNA reductase family protein
AT4G36500	12.89385955	19.37682745	0.021836562	0.003862932	hypothetical protein
AT1G75020	2.376667393	3.530406308	0.006013581	0.002679702	lysophosphatidyl acyltransferase 4
AT1G67520	9.252664543	8.060878513	0.007007583	0.048420477	lectin protein kinase family protein
AT3G55950	3.797433163	5.807597779	0.020289932	2.98267E-05	CRINKLY4 related 3
AT1G20515	2.57471522	3.677451931	0.037599332	0.007145872	NA
AT3G19020	2.293442551	2.411480195	0.002746395	0.002223911	Leucine-rich repeat (LRR) family protein
AT1G25370	2.219400924	4.65740731	0.04751358	0.018521486	hypothetical protein (DUF1639)
AT2G22890	3.30514014	5.226717087	0.032906401	0.021352699	Kua-ubiquitin conjugating enzyme hybrid localization domain-containing protein
AT4G21390	16.6695869	26.57728012	0.021598479	0.009195528	S-locus lectin protein kinase family protein
AT1G25400	2.346884795	3.876310005	0.017543216	0.001678615	transmembrane protein
AT3G29000	65.86627652	234.5765346	0.000435654	0.00512054	Calcium-binding EF-hand family protein
AT3G06370	2.221719718	2.236355218	0.026316078	0.026596925	sodium hydrogen exchanger 4
AT2G41100	3.432601522	5.619403885	0.010249349	0.000896238	Calcium-binding EF hand family protein
AT1G62300	6.843918926	11.43481865	0.013328341	0.016269369	WRKY family transcription factor
AT1G63720	3.164254219	5.453596237	0.003563146	4.17432E-06	hydroxyproline-rich glycoprotein family protein
AT1G72280	4.180070516	5.961754917	0.014521556	0.014538701	endoplasmic reticulum oxidoreductins 1
AT5G39970	2.790410798	2.455929252	0.031772676	0.003121459	catalytics

AT5G02690	5.07584411	6.731402788	0.011115665	0.005516718	hypothetical protein
AT5G40920	2.627752891	3.212846597	0.000160775	5.59748E-05	NA
AT5G26920	11.10123586	38.50831712	0.020967278	0.001478427	Cam-binding protein 60-like G
AT4G23215	27.91661584	50.23213166	0.039420785	0.008649265	NA
AT3G47540	2.936203979	3.168358256	0.015563491	0.015522352	Chitinase family protein
AT5G39785	2.05037909	3.335902672	0.009160483	0.00083789	hypothetical protein (DUF1666)
AT2G44490	6.611958187	10.33746674	0.005423182	0.007379783	Glycosyl hydrolase superfamily protein
AT4G22470	3.469064134	5.008732994	0.009113359	0.017583021	protease inhibitor/seed storage/lipid transfer protein (LTP) family protein
AT4G23270	3.33723727	4.559146282	0.002449863	0.001799436	cysteine-rich RLK (RECEPTOR-like protein kinase) 19
AT3G59080	3.459880861	6.124857903	0.006298129	0.001750048	Eukaryotic aspartyl protease family protein
AT1G78410	42.42590706	49.31833851	0.006268108	0.005090197	VQ motif-containing protein
AT1G24150	7.67332197	12.44725091	0.015763556	0.003355371	formin homologue 4
AT1G69890	4.408285805	8.776304884	0.029120912	0.005754911	actin cross-linking protein (DUF569)
AT3G55450	2.569932423	4.086518925	0.001279556	0.000197086	PBS1-like 1
AT1G36640	#jDIV/0!	#jDIV/0!	0.027454977	0.044589794	transmembrane protein
AT4G19920	5.180336274	4.667701471	0.003604015	0.015931119	Toll-Interleukin-Resistance (TIR) domain family protein
AT3G21781	8.311625587	13.6121367	0.021745002	0.001119572	NA
AT1G55365	5.160402585	8.518151739	0.007923054	0.00171869	hypothetical protein
AT1G65690	4.668634565	9.48569888	0.004113638	0.045361315	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT5G39670	25.91366122	57.11411916	0.008767966	0.000364018	Calcium-binding EF-hand family protein
AT3G61190	7.74975943	22.44797071	0.009304403	0.010192635	BON association protein 1
AT3G57640	4.405658628	9.868360548	0.034556519	0.007255155	Protein kinase superfamily protein
AT2G47060	3.361282331	5.357681807	0.012040988	0.005580474	Protein kinase superfamily protein
AT4G14680	2.487247914	3.101301441	0.030614468	0.022655776	Pseudouridine synthase/archaeosine transglycosylase-like family protein
AT1G34260	2.397474341	5.843734209	0.033651551	4.2666E-06	FORMS APLOID AND BINUCLEATE CELLS 1A
AT1G55920	2.44956807	2.234255577	0.005698522	0.002609463	serine acetyltransferase 2%3B1
AT5G62770	2.065584183	2.509627188	0.00041289	0.024107806	membrane-associated kinase regulator%2C putative (DUF1645)
AT1G09932	11.07581816	24.28282774	0.027517901	0.005563094	Phosphoglycerate mutase family protein
AT2G35930	11.59545838	16.41169552	0.014155736	0.007252766	plant U-box 23
AT1G69930	6.35154947	13.45971187	0.038242512	0.015441269	glutathione S-transferase TAU 11
AT4G28400	2.322508336	3.841517402	0.001928056	0.002428931	Protein phosphatase 2C family protein
AT3G57280	2.133164381	3.303915091	0.004303767	5.79688E-05	Transmembrane proteins 14C
AT2G41730	2.835696	2.218545851	0.030646968	0.002169736	calcium-binding site protein
AT4G32020	2.365656793	3.673930914	0.000137817	0.000726613	serine/arginine repetitive matrix-like protein
AT5G61560	4.562509671	7.81601701	0.048569524	0.006520658	U-box domain-containing protein kinase family protein
AT3G50930	14.09433961	45.51546414	0.021327542	0.007520031	cytochrome BC1 synthase
AT4G30430	6.532198907	28.98067954	0.001668922	0.005705089	tetraspanin9
AT5G18490	2.335179552	2.959574146	0.010352617	0.007433732	vacuolar sorting-associated protein (DUF946)
AT1G17420	7.090146372	19.40111366	0.035083278	0.033387361	lipooxygenase 3
AT1G73080	2.725074494	3.846634979	0.021932099	0.017214325	PEP1 receptor 1

AT3G23240	2.372831997	2.046229811	0.032767106	0.019189347	ethylene response factor 1
AT5G49770	4.262579483	3.334693959	0.036467717	0.029599019	Leucine-rich repeat protein kinase family protein
AT4G19370	6.483886929	6.902739998	0.017575661	0.009797892	chitin synthase%2C putative (DUF1218)
AT1G55450	13.78071439	25.20559573	0.012582516	0.016844948	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT5G08240	2.832766033	3.642037546	0.010540535	0.004891739	transmembrane protein
AT2G26410	3.91524173	4.190890591	0.011565424	0.013001387	IQ-domain 4
AT5G48380	5.00132348	9.956380736	0.015235519	0.00224314	BAK1-interacting receptor-like kinase 1
AT2G44578	19.98394895	26.18617835	0.002533424	0.010827937	RING/U-box superfamily protein
AT5G39000	3.718753262	4.15352977	0.000696193	0.010279473	Malectin/receptor-like protein kinase family protein
AT1G79670	2.268744685	2.408169668	0.005291187	0.002241977	Wall-associated kinase family protein
AT2G44010	2.123298955	2.242430117	0.017857939	0.016805319	hypothetical protein
AT5G54860	4.285713394	7.518698934	0.023770565	0.002116328	Major facilitator superfamily protein
AT2G25735	13.4098057	25.1917383	0.020376	0.002260286	hypothetical protein
AT3G52520	5.672887609	12.52154937	0.025731294	0.002297674	hypothetical protein
AT5G57035	3.001760999	4.507683169	0.022868099	0.008391546	U-box domain-containing protein kinase family protein
AT5G60900	11.54743108	19.62300065	0.026964657	0.003385693	receptor-like protein kinase 1
AT4G02410	6.207460247	8.974149656	0.000801002	0.011751109	Concanavalin A-like lectin protein kinase family protein
AT5G64905	100.7661603	154.6342732	0.008653593	0.017311267	elicitor peptide 3 precursor
AT2G25409	#jDIV/0!	#jDIV/0!	0.022628538	0.04326495	hypothetical protein
AT4G23010	2.4567229	2.80214773	0.003651607	0.004661997	UDP-galactose transporter 2
AT5G22530	14.57609771	33.23629812	0.025396999	0.000783162	hypothetical protein
AT2G46400	5.630173006	16.22822865	0.003437773	0.023310506	WRKY DNA-binding protein 46
AT1G67800	3.57096883	6.935994464	0.000952058	0.003715093	Copine (Calcium-dependent phospholipid-binding protein) family
AT4G27280	6.076886043	15.75564729	0.015289526	0.004592753	Calcium-binding EF-hand family protein
AT1G14780	2.123577285	3.408920076	0.001797894	0.00778459	MAC/Perforin domain-containing protein
AT1G79245	2.946178525	3.087342225	0.005339571	0.000227271	NA
AT4G00330	2.05081565	2.266367165	0.009335811	0.000154657	calmodulin-binding receptor-like cytoplasmic kinase 2
AT2G04500	3.006250007	6.580907384	0.00672324	0.000422091	Cysteine/Histidine-rich C1 domain family protein
AT5G01950	2.930677334	4.012672485	0.016480964	0.014816014	Leucine-rich repeat protein kinase family protein
AT2G38470	14.30656896	27.10452086	0.002953143	0.00293736	WRKY DNA-binding protein 33
AT4G20830	5.854242366	10.44531181	0.009504923	0.003588229	FAD-binding Berberine family protein
AT5G10410	4.471890181	2.434167905	0.005806274	0.031121656	ENTH/ANTH/VHS superfamily protein
AT3G27010	2.082087694	2.140970779	0.00927996	0.001129667	TEOSINTE BRANCHED 1%2C cycloidea%2C PCF (TCP)-domain family protein 20
AT4G21920	13.41589	11.81922914	0.02989371	0.026797136	hypothetical protein
AT2G39210	4.367281386	4.484438405	0.018840416	0.007732626	Major facilitator superfamily protein
AT3G03125	7.525904049	6.383808462	0.018499084	0.030696153	NA
AT2G01340	2.254632717	2.647355497	0.007284412	0.042851759	plastid movement impaired protein
AT4G04075	8.171315975	20.45623286	0.01823823	0.00705809	NA
AT3G20600	2.822346456	6.230749721	0.011396496	0.000369368	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT1G64010	3.176242633	6.733276123	0.00011125	0.039506411	Serine protease inhibitor (SERPIN) family protein

AT1G18570	18.09045876	23.5523128	0.003596581	0.001830428	myb domain protein 51
AT5G37490	41.58456108	75.51597531	0.012173302	0.02059261	ARM repeat superfamily protein
AT4G23130	3.670553977	3.72389072	0.002002591	0.016828222	cysteine-rich RLK (RECEPTOR-like protein kinase) 5
AT1G64710	3.235300479	3.340258658	0.002482593	0.010279608	GroES-like zinc-binding alcohol dehydrogenase family protein
AT1G05000	3.065338061	2.715527247	0.012406643	0.028972926	Phosphotyrosine protein phosphatases superfamily protein
AT1G67060	2.459044358	4.773176378	0.006932643	0.003062836	peptidase M50B-like protein
AT4G28350	5.9590245	7.421910897	3.48278E-05	0.01784048	Concanavalin A-like lectin protein kinase family protein
AT5G27420	26.18040417	60.2225067	0.008004964	0.006010199	carbon/nitrogen insensitive 1
AT1G65390	13.51479217	29.8374807	0.018772293	0.002768522	phloem protein 2 A5
AT4G18950	2.397335424	3.407944212	0.013121787	0.000178956	Integrin-linked protein kinase family
AT1G21120	41.8406258	67.58775033	0.014940176	0.017085305	O-methyltransferase family protein
AT5G24230	2.399442135	2.513333162	0.002003064	0.006639544	Lipase class 3-related protein
AT1G66500	2.979618033	5.716265037	0.006502991	0.000194016	Pre-mRNA cleavage complex II
AT1G53440	2.510946459	3.318443216	0.005393561	0.001672388	Leucine-rich repeat transmembrane protein kinase
AT3G51450	3.865576429	3.284250458	0.03405755	0.026575803	Calcium-dependent phosphotriesterase superfamily protein
AT1G76980	2.359344857	3.585640338	0.002556929	5.75084E-05	patatin-like phospholipase domain protein
AT1G66910	2.241945481	2.325717287	0.000766741	0.000317546	Protein kinase superfamily protein
AT2G28830	4.945697098	7.023989451	0.00356823	0.000322084	armadillo/beta-catenin repeat protein
AT5G67350	2.26394721	2.598669424	0.017081062	0.022983979	hypothetical protein
AT3G16530	15.14220185	19.52182134	0.015628025	0.00047349	Legume lectin family protein
AT3G01290	2.103300299	3.196793688	0.004365965	0.016847298	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT1G15190	3.887895577	4.743211231	0.038553059	0.047178148	Fasciclin-like arabinogalactan family protein
AT3G05320	2.03378607	3.610210424	0.035260921	0.008705731	O-fucosyltransferase family protein
AT1G77500	2.535700103	3.805962414	0.016699897	0.000793457	DUF630 family protein%2C putative (DUF630 and DUF632)
AT4G14370	12.9543272	29.14922048	0.018455456	0.006485322	Disease resistance protein (TIR-NBS-LRR class) family
AT4G11360	2.068806942	2.230673743	0.004357556	0.009927464	RING-H2 finger A1B
AT2G08740	11.76258953	21.20089697	0.004367618	0.005116927	NA
AT1G50740	4.967253629	10.60659014	0.022913337	0.010524163	Transmembrane proteins 14C
AT4G11521	5.834180765	9.666460961	0.016604856	0.020211576	Receptor-like protein kinase-related family protein
AT2G22870	7.796559184	13.6280877	0.007297849	0.002043055	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT1G72910	3.069737948	5.611539488	0.0155612	0.024426907	Toll-Interleukin-Resistance (TIR) domain-containing protein
AT1G42990	4.721720024	7.971657376	0.012532585	0.003969844	basic region/leucine zipper motif 60
AT2G23200	2.050720724	2.887834935	0.001586945	4.6342E-05	Protein kinase superfamily protein
AT3G52450	6.315239506	13.21681198	0.005703181	0.01255679	plant U-box 22
AT1G02400	15.9672536	32.87982676	0.045295137	0.008421094	gibberellin 2-oxidase 6
AT3G46090	4.642071651	10.6635936	0.027424895	0.000692907	C2H2 and C2HC zinc fingers superfamily protein
AT1G70740	2.593550625	4.557102914	0.012277324	0.004258111	Protein kinase superfamily protein
AT2G39200	17.16573699	29.60670478	0.002571077	0.007359704	Seven transmembrane MLO family protein
AT1G34750	2.313384319	3.867433649	0.002205164	0.000163046	Protein phosphatase 2C family protein
AT3G18690	3.752515394	4.595589732	0.015038307	0.00546713	MAP kinase substrate 1

AT5G54850	2.686084489	3.257397268	0.038877293	2.34639E-05	hexon
AT1G76070	4.942278273	7.681295137	0.022727392	0.001399847	hypothetical protein
AT5G25920	5.788243493	7.658995405	0.031543488	0.030956654	hypothetical protein
AT3G23010	3.180862289	10.19500059	0.048689348	2.7154E-05	receptor like protein 36
AT2G32930	2.031422259	3.369156612	0.018935933	0.000165097	zinc finger nuclease 2
AT2G33710	5.922469601	10.58854784	0.03406685	0.000894563	Integrase-type DNA-binding superfamily protein
AT2G25297	#jDIV/0!	#jDIV/0!	0.039284851	0.005389355	transmembrane protein
AT1G22280	2.871644736	4.915402841	0.015853592	0.000655606	phytochrome-associated protein phosphatase type 2C
AT4G23550	5.152916212	9.20951164	0.005681626	0.005111348	WRKY family transcription factor
AT3G57450	4.160167507	7.572176779	0.046245245	0.024789666	hypothetical protein
AT4G15975	29.25190975	42.41301325	0.03902706	0.003770558	RING/U-box superfamily protein
AT5G39580	4.283709912	7.134704497	0.015625328	0.006074519	Peroxidase superfamily protein
AT4G01950	3.44176984	9.760380901	0.001529995	0.022951143	glycerol-3-phosphate acyltransferase 3
AT1G17330	2.352277475	2.415529753	0.021225939	0.021117916	Metal-dependent phosphohydrolase
AT1G67470	4.126886054	6.309817453	0.019704933	0.000322557	Protein kinase superfamily protein
AT5G18470	3.180385532	5.95188188	0.002624274	0.022165828	Curculin-like (mannose-binding) lectin family protein
AT1G59590	3.989242733	12.59529528	0.029353996	1.78808E-07	ZCF37
AT4G34150	4.238316106	9.400299994	0.009867269	0.004898655	Calcium-dependent lipid-binding (CaLB domain) family protein
AT1G76700	2.493267944	3.980982097	0.005432792	0.002943087	DNAJ heat shock N-terminal domain-containing protein
AT1G20310	9.406801347	24.18965249	0.048820826	0.001196043	syringolide-induced protein
AT4G35180	90.70274629	184.2702351	0.02309293	0.002297646	LYS/HIS transporter 7
AT1G30700	25.67311846	39.1934223	0.013640338	0.003625923	FAD-binding Berberine family protein
AT3G50190	4.2326758	4.987132699	0.000263807	0.021716114	transmembrane protein%2C putative (DUF247)
AT4G28703	2.744882964	3.584185814	0.003967636	0.024164388	RmlC-like cupins superfamily protein
AT5G66790	8.088399399	11.43279422	0.010209056	0.000183275	Protein kinase superfamily protein
AT5G61010	3.981137184	4.014085373	0.00188899	0.000357017	exocyst subunit exo70 family protein E2
AT2G15480	3.385067429	6.460272214	0.003923461	0.00364719	UDP-glucosyl transferase 73B5
AT3G16860	3.636413392	8.246404448	0.02930159	0.013211132	COBRA-like protein 8 precursor
AT1G11300	2.34880544	2.603549821	0.007723171	0.015294335	G-type lectin S-receptor-like Serine/Threonine-kinase
AT5G65600	30.47331316	32.65509203	0.009620898	0.02589897	Concanavalin A-like lectin protein kinase family protein
AT3G09520	5.302504874	22.23585523	0.019532588	0.001549411	exocyst subunit exo70 family protein H4
AT3G45660	3.051830211	3.385050854	0.009777852	0.005448726	Major facilitator superfamily protein
AT5G47850	81.53013976	361.293431	0.008903359	0.001819234	CRINKLY4 related 4
AT5G62570	2.585483537	3.896072903	0.01686196	1.26705E-06	Calmodulin binding protein-like protein
AT4G22980	2.453263187	3.115980234	0.000912668	0.013729969	molybdenum cofactor sulfurase-like protein
AT1G30720	2.859835683	5.547284213	0.002244839	0.006858978	FAD-binding Berberine family protein
AT2G40270	2.117150772	4.144318044	0.007638551	0.01647947	Protein kinase family protein
AT5G38310	10.6914511	19.59090726	0.018414525	0.008535659	hypothetical protein
AT3G16030	9.214846531	10.41352615	0.015366293	0.001434695	lectin protein kinase family protein
AT2G35980	7.015088727	14.23133342	0.000282821	0.001912234	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family

AT2G32190	2.417239906	7.8998025	0.021022495	0.00452273	cysteine-rich/transmembrane domain A-like protein
AT2G39650	6.487793834	16.12919188	0.021072973	0.000526611	cruciferin (DUF506)
AT4G34380	2.193098545	10.81703148	0.012722723	1.49498E-05	Transducin/WD40 repeat-like superfamily protein
AT3G57540	2.179528203	3.383133259	0.003169771	0.008434179	Remorin family protein
AT5G12880	4.21744391	8.518625511	0.037494161	0.010658746	proline-rich family protein
AT3G28580	20.14823353	37.56346459	0.007211933	0.043493308	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT1G68340	2.642308255	4.382213924	0.028487402	0.001357866	hypothetical protein (DUF1639)
AT5G45250	2.193790874	2.483276303	0.019459044	0.000494916	Disease resistance protein (TIR-NBS-LRR class) family
AT1G01480	4.383680303	8.341446541	0.04588785	0.010481221	1-amino-cyclopropane-1-carboxylate synthase 2
AT2G23680	6.765221618	14.78889464	0.012563042	0.001957387	Cold acclimation protein WCOR413 family
AT5G55090	2.418665267	4.38765977	0.004244206	0.000879128	mitogen-activated protein kinase kinase kinase 15
AT4G38560	8.327787809	22.6395714	0.025478919	0.001878861	phospholipase-like protein (PEARL1 4) family protein
AT5G22545	#jDIV/0!	#jDIV/0!	0.025300069	0.001922228	hypothetical protein
AT4G02330	3.319673131	5.447088897	0.000210679	0.031363213	Plant invertase/pectin methylesterase inhibitor superfamily
AT2G38250	2.081891317	2.011027899	0.019926782	0.00234444	Homeodomain-like superfamily protein
AT1G05675	79.66185906	115.7265407	0.016830127	0.00181942	UDP-Glycosyltransferase superfamily protein
AT2G35000	3.558984651	7.966738963	0.014831318	0.00093536	RING/U-box superfamily protein
AT4G17900	2.728090902	3.948615129	0.01236824	0.001702888	PLATZ transcription factor family protein
AT5G67340	7.746439149	14.23646333	0.009407633	0.018315721	ARM repeat superfamily protein
AT4G04490	2.517374202	2.412087016	0.006693802	0.011444	cysteine-rich RLK (RECEPTOR-like protein kinase) 36
AT1G03740	3.408854656	5.247380105	0.015860472	0.006617784	Protein kinase superfamily protein
AT4G31550	6.439899164	11.8863456	0.01346093	0.002719392	WRKY DNA-binding protein 11
AT4G23180	9.632818294	17.92109967	0.007910885	0.011326607	cysteine-rich RLK (RECEPTOR-like protein kinase) 10
AT1G78860	3.765576245	6.671629422	0.014363824	0.004394771	D-mannose binding lectin protein with Apple-like carbohydrate-binding domain-containing protein
AT3G08720	7.097712035	11.82170454	0.039030035	0.003191695	serine/threonine protein kinase 2
AT5G48540	16.01692455	21.04572504	0.003702979	0.009389749	receptor-like protein kinase-related family protein
AT2G32250	2.115012302	2.146208441	0.017879247	0.02925122	FAR1-related sequence 2
AT5G07390	3.532915611	3.050544477	0.001064704	0.011174567	respiratory burst oxidase homolog A
AT3G26680	2.976005124	4.004100872	0.002431119	0.000272975	DNA repair metallo-beta-lactamase family protein
AT1G21010	2.505689257	5.559410433	0.038911557	1.09621E-05	poly polymerase
AT1G14540	175.0757166	885.2645272	0.048083738	0.00180206	Peroxidase superfamily protein
AT2G35710	7.298411817	22.02020266	0.024263952	0.003160027	Nucleotide-diphospho-sugar transferases superfamily protein
AT4G23240	2.278479756	2.325258194	0.021228613	0.049011988	cysteine-rich RLK (RECEPTOR-like protein kinase) 16
AT4G40080	4.239422152	6.715245679	0.021049683	0.004384683	ENTH/ANTH/VHS superfamily protein
AT5G11970	2.724420396	3.292822452	0.036279396	0.004078255	ABC family ABC transporter%2C putative (DUF3511)
AT5G13190	2.847450782	5.491529409	0.034504334	0.002167752	GSH-induced LITAF domain protein
AT4G39830	8.720648292	27.32742779	0.002058497	0.006329321	Cupredoxin superfamily protein
AT2G41880	3.347014738	3.225066004	0.04216264	0.001184997	guanylate kinase 1
AT5G17350	5.455796794	19.53698308	0.020233132	0.00046874	hypothetical protein
AT1G50745	11.98359098	54.87380412	0.018101728	0.029947374	plant mobile domain protein

AT1G70581	7.12673071	7.52388782	0.004633924	0.028540209	NA
AT1G06983	83.20784428	97.9395975	0.036562954	0.00223947	NA
AT4G39580	16.32984536	35.31195208	0.013443459	0.0033277	Galactose oxidase/kelch repeat superfamily protein
AT4G05010	2.148055727	3.189509387	0.009401617	0.001147994	F-box family protein
AT1G05933	22.1789646	34.09490205	0.010221444	0.000336931	NA
AT2G25410	#jDIV/0!	#jDIV/0!	0.00743258	0.012094147	RING/U-box superfamily protein
AT5G11650	2.743292094	4.419514598	0.010649866	0.000869859	alpha/beta-Hydrolases superfamily protein
AT3G22370	2.393625986	4.763566327	0.027408512	0.012287434	alternative oxidase 1A
AT4G11500	2.805521278	3.373044473	0.010896496	0.037684739	NA
AT4G39670	8.319412749	35.54112128	0.029257712	0.002744035	Glycolipid transfer protein (GLTP) family protein
AT3G46110	5.037112032	6.94301516	0.018007396	0.000171638	UPSTREAM OF FLC-like protein (DUF966)
AT3G53810	2.538998289	3.061940331	0.001741217	0.003824084	Concanavalin A-like lectin protein kinase family protein
AT5G46470	2.80115929	4.96483485	0.00252219	0.007659913	disease resistance protein (TIR-NBS-LRR class) family
AT1G13210	9.693922459	19.21253678	0.011295694	0.020031244	autoinhibited Ca2+/ATPase II
AT3G15210	2.604936904	3.77960712	0.009071542	0.002858694	ethylene responsive element binding factor 4
AT3G02695	10.23674703	11.5653944	0.024375024	0.001671988	NA
AT1G03230	2.862919763	3.44035492	0.025224185	0.004269381	Eukaryotic aspartyl protease family protein
AT3G46620	2.403546576	7.097302679	0.035588056	0.004010946	zinc finger (C3HC4-type RING finger) family protein
AT3G19580	2.34246147	4.572858523	0.002468884	0.015329915	zinc-finger protein 2
AT1G72940	3.112494289	4.862626388	0.002388067	0.012272155	Toll-Interleukin-Resistance (TIR) domain-containing protein
AT2G17120	3.147602873	4.329190516	0.012061273	3.56909E-05	lysm domain GPI-anchored protein 2 precursor
AT1G70170	7.298171863	10.35970937	0.009811181	0.005686977	matrix metalloproteinase
AT3G57760	2.569165564	3.551990065	0.02151815	3.09628E-05	Protein kinase superfamily protein
AT2G23810	2.999596655	6.617117111	0.001838018	0.004097902	tetraspanin8
AT3G50260	6.207029279	7.556074873	0.014369713	0.023386986	cooperatively regulated by ethylene and jasmonate 1
AT5G36920	3.694374372	2.095807988	0.007658773	0.031980125	transmembrane protein
AT5G11920	3.608956944	3.940808542	0.00468226	0.035230705	6-%261-fructan exohydrolase
AT1G58410	2.64281886	3.578009085	0.00023528	0.016190647	Disease resistance protein (CC-NBS-LRR class) family
AT4G11300	3.859661116	10.12208974	0.014792933	0.001276099	ROH1%2C putative (DUF793)
AT5G01935	2.689444198	2.429392663	0.040321662	0.009017372	NA
AT1G72960	3.597817527	5.112886714	0.039597776	0.012276876	Root hair defective 3 GTP-binding protein (RHD3)
AT2G32130	39.38029262	65.59767095	0.04572141	0.009091974	intracellular protein transporter%2C putative (DUF641)
AT3G29034	2.634518359	2.739867994	0.016027024	0.01094217	transmembrane protein
AT1G50750	18.01280837	52.05071582	0.021291388	0.014699884	aminotransferase-like%2C mobile domain protein
AT3G16510	2.252356794	5.154858611	0.008391935	0.000490127	Calcium-dependent lipid-binding (CaLB domain) family protein
AT1G18200	2.072928154	2.624479439	0.026020581	0.003635821	Rab GTPase-like A11 protein
AT5G42380	17.72501329	72.16902161	0.011386613	0.01052398	calmodulin like 37
AT5G14700	10.81592798	27.42053903	0.02129398	0.025880202	NAD(P)-binding Rossmann-fold superfamily protein
AT5G02630	2.71326369	3.811846426	0.008104098	0.004411384	Lung seven transmembrane receptor family protein
AT4G37780	8.935518917	39.18716348	0.029601427	0.0191022	myb domain protein 87

AT3G55150	7.435708496	11.93542729	0.007156815	0.007652878	exocyst subunit exo70 family protein H1
AT5G59730	3.790238325	7.800464932	0.016310021	0.010870134	exocyst subunit exo70 family protein H7
AT2G02220	2.396976654	3.246002743	0.003014924	0.002854745	phytosulfokin receptor 1
AT5G46510	3.502301953	5.781063637	0.015167199	0.002787324	Disease resistance protein (TIR-NBS-LRR class) family
AT2G31990	4.01159088	5.391975568	0.02531395	0.008136351	Exostosin family protein
AT5G42830	7.273138726	11.27496228	0.012627645	0.005786832	HXXXD-type acyl-transferase family protein
AT4G01090	2.474405181	5.197413268	0.011109185	0.002272501	hypothetical protein (DUF3133)
AT5G42050	2.419459716	4.58935258	0.008175576	0.016255246	DCD (Development and Cell Death) domain protein
AT4G33300	2.192900193	3.118770381	0.001970911	0.007510526	ADR1-like 1
AT2G23270	#jDIV/0!	#jDIV/0!	0.003751188	0.012798018	transmembrane protein
AT1G13340	5.001526249	14.58213792	0.017985975	0.001549024	Regulator of Vps4 activity in the MVB pathway protein
AT4G21410	2.058222349	2.638507405	0.021174546	0.002824354	cysteine-rich RLK (RECEPTOR-like protein kinase) 29
AT4G01740	2.481512908	2.727210555	0.003995537	0.000101469	Cysteine/Histidine-rich C1 domain family protein
AT5G65300	3.695086892	5.059418665	0.024718127	0.021475917	hypothetical protein
AT1G30620	3.208655904	5.129975285	0.013816819	0.000183443	NAD(P)-binding Rossmann-fold superfamily protein
AT3G13430	2.598954042	3.148073343	0.048989914	9.68575E-05	RING/U-box superfamily protein
AT4G30210	4.974010869	8.904525123	0.022433077	0.007226079	P450 reductase 2
AT5G25170	2.569340834	3.000956389	0.027736246	0.032425924	PPPDE putative thiol peptidase family protein
AT5G38210	6.225531707	13.30703835	0.013576772	0.020590347	Protein kinase family protein
AT5G62070	2.494864526	2.512306302	0.002607138	0.024657269	IQ-domain 23
AT5G66310	3.10091682	3.323504502	0.005768036	0.006335439	ATP binding microtubule motor family protein
AT2G36220	4.631686673	9.373125424	0.019344542	0.006971758	hypothetical protein
AT1G63245	13.96507095	6.809919168	0.026812128	0.012368552	CLAVATA3/ESR-RELATED 14
AT5G47960	5.655732701	8.905659691	4.62445E-05	0.005849072	RAB GTPase homolog A4C
AT5G52760	14.89576615	74.25002546	0.045733887	0.001520401	Copper transport protein family
AT4G23210	2.814859607	8.542774631	0.004756118	6.00827E-05	cysteine-rich RLK (RECEPTOR-like protein kinase) 13
AT4G30350	2.012631376	3.142280689	0.001867589	0.004243223	Double Clp-N motif-containing P-loop nucleoside triphosphate hydrolases superfamily protein
AT4G26120	4.274565208	4.84040961	0.000122399	0.000147228	Ankyrin repeat family protein / BTB/POZ domain-containing protein
AT2G27389	30.18984793	59.11108952	0.012303537	0.025211888	hypothetical protein
AT4G11470	161.2882148	443.8509962	0.013159502	0.011723607	cysteine-rich RLK (RECEPTOR-like protein kinase) 31
AT5G25930	11.0282385	13.06601964	0.004935803	0.011936459	kinase family with leucine-rich repeat domain-containing protein
AT1G16160	9.038114837	4.457226728	0.029351367	0.017464472	wall associated kinase-like 5
AT5G46080	5.545583912	11.05160715	0.013585094	0.002065485	Protein kinase superfamily protein
AT1G09353	16.65938934	24.06820018	0.025438136	0.007311416	NA
AT1G69920	49.73533325	70.82498466	0.015815441	0.019834292	glutathione S-transferase TAU 12
AT3G22930	2.27143727	3.384382338	0.014492815	0.01303145	calmodulin-like 11
AT5G08990	6.098526509	16.4627737	0.028025501	0.002186984	NA
AT1G51915	#jDIV/0!	#jDIV/0!	0.005921667	0.01345085	cryptdin protein-like protein
AT3G07190	2.233107228	2.496296896	0.005333864	0.019079838	B-cell receptor-associated protein 31-like protein
AT2G24160	5.788581089	11.66572175	0.002977793	0.002154698	NA

AT3G28940	2.579055769	2.304562245	0.003431421	0.007390884	AlG2-like (avirulence induced gene) family protein
AT3G26210	2.4714621	2.563103834	0.016888883	0.004694016	cytochrome P450%2C family 71%2C subfamily B%2C polypeptide 23
AT3G10930	7.269066833	15.19588807	0.022125606	0.006900432	hypothetical protein
AT5G50570	2.06103912	2.212031059	0.004641621	0.008608502	Squamosa promoter-binding protein-like (SBP domain) transcription factor family protein
AT4G24570	10.07899742	37.2472017	0.009295309	0.000720843	dicarboxylate carrier 2
AT1G72520	32.64410927	90.65611578	0.016854393	0.021779646	PLAT/LH2 domain-containing lipoxygenase family protein
AT4G18880	4.188077356	6.54352591	0.005131396	4.5633E-05	heat shock transcription factor A4A
AT3G28450	2.192705007	3.728387209	0.000683526	0.009548223	Leucine-rich repeat protein kinase family protein
AT2G07715	2.981147048	4.16574563	0.039879507	0.033375723	Nucleic acid-binding%2C OB-fold-like protein
AT4G15233	5.345616461	6.444611227	0.042264266	0.026029355	ABC-2 and Plant PDR ABC-type transporter family protein
AT5G40170	4.231465116	5.50616296	0.00075784	0.003156876	receptor like protein 54
AT5G40460	2.877340725	3.583079169	0.017796941	0.020799036	cyclin-dependent kinase inhibitor SMR3-like protein
AT2G04040	2.323691257	3.594006117	0.001355539	0.012691475	MATE efflux family protein
AT1G70520	2.473292145	2.877658557	0.007245235	0.008702438	cysteine-rich RLK (RECEPTOR-like protein kinase) 2
AT5G18360	2.302719808	3.053258247	0.010929258	0.005176748	Disease resistance protein (TIR-NBS-LRR class) family
AT3G17700	7.040543999	19.50299913	0.016360728	0.008308782	cyclic nucleotide-binding transporter 1
AT5G64310	4.555753595	11.28134722	0.013253048	0.000510319	arabinogalactan protein 1
AT4G11850	4.55449572	8.623151117	0.012749352	0.009514755	phospholipase D gamma 1
AT2G23770	5.054028678	6.525094031	0.017463997	5.87016E-06	protein kinase family protein / peptidoglycan-binding LysM domain-containing protein
AT2G27660	11.41905643	36.62416794	0.009476167	0.019168923	Cysteine/Histidine-rich C1 domain family protein
AT5G06775	4.582897001	19.12501446	0.030739758	2.09146E-05	NA
AT3G57630	2.30754649	3.381499918	0.027059504	0.00224106	exostosin family protein
AT4G18205	13.80777652	16.7094313	0.003009543	0.022437662	Nucleotide-sugar transporter family protein
AT1G16670	3.474210164	5.258409667	0.014083531	0.004155738	Protein kinase superfamily protein
AT1G65481	10.40995288	18.9891217	0.004529316	0.000196099	transmembrane protein
AT1G55152	#jDIV/0!	#jDIV/0!	0.002070183	0.020946998	hypothetical protein
AT1G66160	3.36960057	4.966017667	0.005820002	0.00499184	CYS%2C MET%2C PRO%2C and GLY protein 1
AT5G42010	4.029778519	11.71364688	0.002413383	0.010136922	Transducin/WD40 repeat-like superfamily protein
AT5G24110	182.6993103	431.9760118	0.042088281	0.004562613	WRKY DNA-binding protein 30
AT4G18195	49.44499999	57.26162573	0.015896318	0.004240705	purine permease 8
AT3G13090	3.995347197	4.041659534	0.018800248	0.015917811	multidrug resistance-associated protein 8
AT5G11000	2.137004241	3.813620831	0.002589846	0.002176018	hypothetical protein (DUF868)
AT5G35580	4.2596882	4.419378748	0.000196584	0.038622229	Protein kinase superfamily protein
AT1G74430	2.296320637	2.739474884	0.000555924	0.016272523	myb domain protein 95
AT1G18300	2.739356849	8.491259125	0.037808535	0.00797795	nudix hydrolase homolog 4
AT3G45640	5.441812013	12.07281856	0.009639396	0.004494765	mitogen-activated protein kinase 3
AT1G29690	4.331179574	7.198255995	0.008357119	0.003986424	MAC/Perforin domain-containing protein
AT1G33610	4.468599978	6.829001547	0.02031962	0.005515593	Leucine-rich repeat (LRR) family protein
AT3G09870	2.530515347	8.241586308	0.026130202	0.022628176	SAUR-like auxin-responsive protein family
AT4G39890	6.956427313	14.49225801	0.019025171	0.000954118	RAB GTPase homolog H1C

AT4G01010	5.10073886	10.20112745	0.041236836	0.002089424	cyclic nucleotide-gated channel 13
AT5G39020	10.04003609	14.32029153	0.01337239	0.002868657	Malectin/receptor-like protein kinase family protein
AT4G25900	2.886519649	3.275665579	0.00113568	0.01875866	Galactose mutarotase-like superfamily protein
AT5G38990	2.883576211	3.839954931	0.019955043	0.001954096	Malectin/receptor-like protein kinase family protein
AT1G20823	4.559000443	8.612482198	0.006845159	0.003454414	RING/U-box superfamily protein
AT4G20860	2.826225335	3.552443694	0.006690582	0.00718856	FAD-binding Berberine family protein
AT5G66210	5.509004483	13.56322593	0.006053963	0.004174906	calcium-dependent protein kinase 28
AT1G11310	3.963525858	8.039910222	0.012224071	0.013398115	Seven transmembrane MLO family protein
AT1G78830	2.336633173	3.048394394	0.022632317	0.047835283	Curculin-like (mannose-binding) lectin family protein
AT3G44720	2.31788046	3.977755823	0.018478926	0.013740595	arogenate dehydratase 4
AT1G73810	5.801159437	12.79566865	0.033214999	0.009996228	Core-2/I-branching beta-1%2C6-N-acetylglucosaminyltransferase family protein
AT1G21320	2.220864978	3.421994186	0.009987234	0.001029592	nucleic acid/nucleotide binding protein
AT5G09800	10.14943289	17.85757904	0.031702135	0.004045136	ARM repeat superfamily protein
AT4G20780	12.32294333	21.67845498	0.021394792	0.004678547	calmodulin like 42
AT3G47570	3.647532056	4.522023406	0.001170984	0.00069432	Leucine-rich repeat protein kinase family protein
AT5G18400	2.221662624	4.344134027	0.016983455	0.000541113	Cytokine-induced anti-apoptosis inhibitor 1%2C Fe-S biogenesis
AT4G35480	5.560061985	13.77605939	0.023030389	0.000229877	RING-H2 finger A3B
AT4G31800	5.190925672	6.264160799	0.007249123	0.015163618	WRKY DNA-binding protein 18
AT4G00970	4.742700686	10.85698118	0.000287843	0.028109418	cysteine-rich RLK (RECEPTOR-like protein kinase) 41
AT3G08870	3.591849462	5.121975353	0.001419118	0.000492939	Concanavalin A-like lectin protein kinase family protein
AT1G68690	5.256549251	9.656971781	0.006021838	0.001511583	Protein kinase superfamily protein
AT4G18253	8.706487128	16.27677117	0.046548645	0.002602098	receptor Serine/Threonine kinase-like protein
AT1G10340	2.821720263	11.76848986	0.04490344	0.000630592	Ankyrin repeat family protein
AT2G20562	9.741353806	27.42226608	0.03397675	0.000825311	taximin
AT5G05190	3.860775252	9.218466247	0.011360579	0.000438813	hypothetical protein (DUF3133)
AT3G21150	7.520746192	22.7031113	0.006209183	0.008320584	B-box 32
AT3G54150	39.08531493	69.31667874	0.021412387	0.01090357	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT1G23830	3.925773085	4.618563052	0.000943966	0.017983772	transmembrane protein
AT5G04870	2.500784254	3.727706524	0.004184001	0.000973716	calcium dependent protein kinase 1
AT4G22710	7.6672226	14.02818732	0.020668014	0.016786556	cytochrome P450%2C family 706%2C subfamily A%2C polypeptide 2
AT5G44820	3.851325042	4.45839766	0.021673385	0.041106969	Nucleotide-diphospho-sugar transferase family protein
AT5G03380	3.768460459	5.043080663	0.0108368	0.002975627	Heavy metal transport/detoxification superfamily protein
AT1G72950	2.636191144	9.641714457	0.025151734	0.003219368	Disease resistance protein (TIR-NBS class)
AT5G28610	25.29135935	43.61129664	0.015482506	0.008232785	LOW protein: ATP-dependent RNA helicase DRS1-like protein
AT5G06860	2.055741202	2.073966068	0.035957728	0.037486492	polygalacturonase inhibiting protein 1
AT3G55980	8.796559155	19.56089355	0.007806593	0.004771019	salt-inducible zinc finger 1
AT5G25050	2.188635681	5.230546967	0.024647204	0.002307961	Major facilitator superfamily protein
AT1G09970	2.316598217	2.445895664	0.010771267	0.000829152	Leucine-rich receptor-like protein kinase family protein
AT4G24160	3.127986819	6.125488188	0.024656932	0.00058865	alpha/beta-Hydrolases superfamily protein
AT1G05575	14.35433952	39.45648093	0.010203099	0.028735534	transmembrane protein

AT1G61380	2.028832744	2.618939013	0.031197584	0.003884027	S-domain-1 29
AT3G08760	4.069712098	4.113326836	0.001865788	0.008279079	Protein kinase superfamily protein
AT3G09032	2.831487457	4.149601807	0.041726324	0.001082616	josephin-like protein
AT4G24310	9.122098712	18.03069925	9.08806E-06	0.040372364	transmembrane protein%2C putative (DUF679)
AT3G07195	29.91136293	89.21215527	0.033695176	0.000676145	RPM1-interacting protein 4 (RIN4) family protein
AT1G23710	4.192806823	10.03414921	0.035983944	0.003243205	hypothetical protein (DUF1645)
AT5G41750	27.80597858	61.12003249	0.023759385	0.001647941	Disease resistance protein (TIR-NBS-LRR class) family
AT5G64750	2.692885329	3.942244613	0.031790353	0.014892512	Integrase-type DNA-binding superfamily protein
AT2G42350	3.882263687	4.843624319	0.00216413	0.001978711	RING/U-box superfamily protein
AT4G04695	2.092442309	3.878937847	0.00512825	0.002835061	calcium-dependent protein kinase 31
AT4G27980	4.780983126	5.095405387	0.00797374	0.00058097	trichohyalin-like protein (DUF3444)
AT2G28815	11.31008871	14.07926008	0.020974821	0.007659526	50S ribosomal protein L16
AT4G26200	10.07284294	22.87174506	0.002545278	0.002541982	1-amino-cyclopropane-1-carboxylate synthase 7
AT4G01700	4.404931687	15.45166761	0.030158007	0.007361921	Chitinase family protein
AT3G13432	20.49923729	21.63740975	0.008468777	0.023401419	transmembrane protein
AT2G19130	4.510115335	11.24820359	0.010968625	0.013594768	S-locus lectin protein kinase family protein
AT1G51920	22.93315036	20.41984969	0.0334254	0.001649421	transmembrane protein
AT4G18170	3.772372767	7.235082032	0.006054516	0.017655747	WRKY DNA-binding protein 28
AT4G22305	2.389298076	2.581435957	0.003409057	0.01857025	alpha/beta-Hydrolases superfamily protein
AT1G61800	4.187836642	5.056934869	0.000562563	0.04549033	glucose-6-phosphate/phosphate translocator 2
AT1G51913	#jDIV/0!	#jDIV/0!	0.008417455	0.004167189	transmembrane protein
AT3G47820	3.738690478	6.129778199	0.000558829	0.000775947	PLANT U-BOX 39
AT2G23320	4.187975996	4.869028731	0.01286227	0.002166848	WRKY DNA-binding protein 15
AT4G02380	2.565372448	3.076125686	0.010725316	0.000486246	senescence-associated gene 21
AT1G59865	3.65304352	7.109707979	0.028545082	0.014364605	transmembrane protein
AT1G57990	5.885937006	15.45447188	0.017706996	0.033494652	purine permease 18
AT3G50760	3.668654434	7.745313584	0.026164171	0.006901001	galacturonosyltransferase-like 2
AT5G66650	3.038450449	7.654661982	0.043331775	0.011055767	calcium uniporter (DUF607)
AT3G46080	3.441808263	7.435564835	0.000987466	0.004076752	C2H2-type zinc finger family protein
AT5G40780	2.374280309	2.150175894	0.035821172	0.042992492	lysine histidine transporter 1
AT4G12120	3.599010558	7.971925666	0.025726986	0.002145903	Sec1/munc18-like (SM) proteins superfamily
AT1G71400	6.666655083	9.464287377	1.11496E-05	5.78256E-05	receptor like protein 12
AT1G32920	5.133489063	8.628661726	0.019134363	0.007403554	hypothetical protein
AT1G36622	18.46461555	35.40090392	0.049479983	0.000790311	transmembrane protein
AT3G16720	4.800800276	12.05474822	0.011819462	0.002463365	TOXICOS EN LEVADURA 2
AT2G37940	8.255790422	13.9776847	0.011714787	0.007961298	Inositol phosphorylceramide synthase 2
AT1G58420	12.28130405	53.50349126	0.036654414	0.005232621	Uncharacterized conserved protein UCP031279
AT2G41010	2.691856858	4.178045856	0.006509422	0.001986311	calmodulin (CAM)-binding protein of 25 kDa
AT1G03730	2.490291106	4.060220819	0.012546369	0.001037466	pyrroline-5-carboxylate reductase
AT2G15220	9.96275368	16.344963	0.005707762	0.046444994	Plant basic secretory protein (BSP) family protein

AT3G44260	4.465947588	9.298396827	0.0116387	0.003418008	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein
AT1G69900	4.917913414	14.15501436	0.015486539	0.006687259	Actin cross-linking protein
AT5G52830	3.63531673	4.448823853	0.003358105	0.008013841	WRKY DNA-binding protein 27
AT2G16870	2.571840609	4.102913027	0.036273134	0.000924908	Disease resistance protein (TIR-NBS-LRR class) family
AT3G29400	2.319989784	3.040116811	0.014741104	0.014935306	exocyst subunit exo70 family protein E1
AT1G77890	2.376113719	3.470596743	0.036951057	4.57314E-05	DNA-directed RNA polymerase II protein
AT3G23230	43.6731302	46.18653971	0.033353543	0.000865195	Integrase-type DNA-binding superfamily protein
AT1G15890	3.977666891	4.820950965	0.005307415	7.52979E-05	Disease resistance protein (CC-NBS-LRR class) family
AT3G15760	2.189736852	2.367009661	0.042416321	0.010790609	cytochrome P450 family protein
AT4G23030	4.095574688	9.873436096	0.041618572	0.001581864	MATE efflux family protein
AT2G18680	9.208384195	41.53068719	5.73819E-05	0.000213844	transmembrane protein
AT4G11890	27.37013194	51.16766059	0.033152528	0.009485622	Protein kinase superfamily protein
AT1G51860	2.74795455	3.083321554	0.006449741	0.00484741	Leucine-rich repeat protein kinase family protein
AT3G60415	2.503730804	4.079405682	0.025074269	0.030008684	phosphoglycerate mutase family protein
AT1G69520	2.181753389	2.551824651	0.016498411	0.007547853	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT1G27020	3.495528035	2.267440726	0.015156714	0.021143537	plant/protein
AT1G64610	3.975430084	6.382726856	0.000109411	0.005110452	Transducin/WD40 repeat-like superfamily protein
AT3G04220	12.245805	15.75764712	0.031516178	0.009025668	Disease resistance protein (TIR-NBS-LRR class) family
AT4G22030	#jDIV/0!	#jDIV/0!	0.037796194	7.41185E-05	F-box protein with a domain protein
AT3G59880	2.772817426	3.23178539	0.011477092	0.00679175	hypothetical protein
AT2G39400	2.215204545	3.31677533	0.015893768	0.008429122	alpha/beta-Hydrolases superfamily protein
AT5G22250	6.968975017	15.57158941	0.000386363	0.012639028	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein
AT5G06320	3.318378879	7.481452571	0.011624274	0.005296439	NDR1/HIN1-like 3
AT2G41640	2.382109212	4.522504686	0.005368502	0.015349333	Glycosyltransferase family 61 protein
AT2G24570	3.438554615	5.493609416	0.002893305	1.21504E-05	WRKY DNA-binding protein 17
AT4G37030	2.581325032	3.489833448	0.021627308	0.002378671	membrane protein
AT3G28850	5.420279418	8.381506834	0.004049115	0.000302256	Glutaredoxin family protein
AT4G23250	3.006362151	3.306691193	0.041454446	0.037571034	cysteine-rich receptor-like protein kinase 17
AT1G30740	4.608574674	12.62990844	0.00657979	0.006329677	FAD-binding Berberine family protein
AT1G74360	12.90195294	16.444548	0.002435889	0.020697484	Leucine-rich repeat protein kinase family protein
AT3G02840	30.1095949	157.2109903	0.03284039	0.009449225	ARM repeat superfamily protein
AT5G61600	2.065622624	4.94010173	0.000518373	0.002062871	ethylene response factor 104
AT3G11840	16.08405889	24.57552895	0.022633622	0.007569519	E3 ubiquitin-protein ligase PUB24-like protein
AT5G62020	2.183419668	3.29350861	0.039270866	0.001139984	heat shock transcription factor B2A
AT4G11070	#jDIV/0!	#jDIV/0!	0.045590824	0.023163678	WRKY family transcription factor
AT3G61390	#jDIV/0!	#jDIV/0!	0.047979829	0.018770683	RING/U-box superfamily protein
AT4G23170	13.20412121	18.10511491	0.001405919	0.005635868	receptor-like protein kinase-related family protein
AT4G38550	9.734461841	13.03315198	0.001736116	0.003138286	phospholipase-like protein (PEARL1 4) family protein
AT3G49350	2.533578789	3.805656891	6.27952E-05	0.000681103	Ypt/Rab-GAP domain of gyp1p superfamily protein
AT3G26980	4.026676733	6.62356432	0.036356814	1.65673E-06	membrane-anchored ubiquitin-fold protein 4 precursor

AT5G66675	4.424991174	7.938128817	0.001818015	0.012435271	transmembrane protein%2C putative (DUF677)
AT3G14225	#jDIV/0!	#jDIV/0!	0.003059848	0.036266996	GDSL-motif lipase 4
AT1G13520	49.15416545	65.81429792	0.001921697	0.038857425	hypothetical protein (DUF1262)
AT5G64660	4.707092071	9.532340897	0.006340683	9.95794E-05	CYS%2C MET%2C PRO%2C and GLY protein 2
AT3G15518	32.39914891	60.40236952	0.012316616	0.013574831	hypothetical protein
AT4G23280	89.4291859	132.2258821	0.005650307	0.02159637	cysteine-rich RLK (RECEPTOR-like protein kinase) 20
AT3G26500	8.157975222	12.42580985	0.007104287	0.006408869	plant intracellular ras group-related LRR 2
AT3G46680	12.50098151	10.31741378	0.009257044	0.031814904	UDP-Glycosyltransferase superfamily protein
AT5G41180	2.783972057	3.298541387	0.014270848	0.00549312	leucine-rich repeat transmembrane protein kinase family protein
AT5G47070	1.877923861	2.997171835	0.018035964	0.00248726	Protein kinase superfamily protein
AT5G37450	3.270855819	6.953094082	0.067533377	0.008834413	Leucine-rich repeat protein kinase family protein
AT5G45630	0.911867668	2.257868091	0.831225128	0.02304007	senescence regulator (Protein of unknown function%2C DUF584)
AT2G04480	#jDIV/0!	#jDIV/0!	0.250736752	0.042431843	hypothetical protein
AT3G14050	1.562093711	2.638306472	0.065834506	0.001238961	RELA/SPOT homolog 2
AT2G13665	1.704151433	2.273543595	0.051636198	0.044325711	NA
AT1G21390	1.39434635	2.480438514	0.091691918	0.020924555	embryo defective 2170
AT3G17400	#jDIV/0!	#jDIV/0!	NA	0.034081277	F-box family protein
AT3G43250	6.252538382	21.95856302	0.122890602	0.006313835	coiled-coil protein (DUF572)
AT3G18370	1.797840228	2.497658455	0.000637983	6.62065E-05	C2 domain-containing protein
AT4G15140	1.284360744	2.068406354	0.346803753	0.026687581	hypothetical protein
AT5G27060	1.47171455	2.112465801	0.117490256	0.020519401	receptor like protein 53
AT4G04540	4.005890547	14.74087069	0.112663444	0.001255617	cysteine-rich RLK (RECEPTOR-like protein kinase) 39
AT5G56580	1.468709677	2.831334633	0.065949392	0.000597205	MAP kinase kinase 6
AT4G11660	1.94286212	2.100274532	0.016024948	0.009537555	winged-helix DNA-binding transcription factor family protein
AT1G64385	1.806680497	2.295173964	0.016704067	0.000961706	transmembrane protein
AT1G32049	#jDIV/0!	#jDIV/0!	0.422649731	0.002671134	NA
AT5G05490	#jDIV/0!	#jDIV/0!	0.422649731	0.044569681	Rad21/Rec8-like family protein
AT1G56250	47.12962297	104.2090953	0.071258413	0.004946203	phloem protein 2-B14
AT1G76965	#jDIV/0!	#jDIV/0!	0.192419264	0.02910554	hypothetical protein
AT1G73540	1.624512078	4.863634544	0.034073764	0.000453533	nudix hydrolase homolog 21
AT1G06753	0.883569924	2.581750475	0.794960323	0.007107305	NA
AT3G56790	22.73272486	26.7224445	0.069897411	0.028747983	RNA splicing factor-like protein
AT5G02400	1.132640206	2.170858886	0.513011612	0.025093546	pol-like 2
AT5G57560	1.445838257	3.539074424	0.037665439	0.005903609	Xyloglucan endotransglucosylase/hydrolase family protein
AT1G45207	1.385672461	2.036201027	0.004115645	0.002464683	Remorin family protein
AT5G01730	1.464732098	2.12778929	0.036835874	0.001288211	SCAR family protein 4
AT3G13050	1.738195385	3.211691629	0.000875269	0.001042964	Major facilitator superfamily protein
AT2G31955	1.912060301	2.003193057	0.001220064	0.000663702	cofactor of nitrate reductase and xanthine dehydrogenase 2
AT5G37540	1.476241189	2.102572664	0.003312486	0.005566219	Eukaryotic aspartyl protease family protein
AT5G36970	16.25831216	18.02093744	0.230769862	0.034621501	NDR1/HIN1-like 25

AT1G67856	1.926004681	3.472473514	0.058464674	0.001138452	RING/U-box superfamily protein
AT2G20900	1.104805388	2.427545312	0.398023888	0.001668238	diacylglycerol kinase 5
AT5G63390	3.954348712	7.373311879	0.07824714	0.023758447	O-fucosyltransferase family protein
AT1G31355	2.212877111	2.804670558	0.093746228	0.007247216	NA
AT4G25470	1.569501176	2.055041238	0.339612931	0.022121281	C-repeat/DRE binding factor 2
AT1G19310	1.896374287	2.132596798	0.064678382	0.016157877	RING/U-box superfamily protein
AT1G67310	1.658484442	2.041504101	0.010940337	0.001520235	Calmodulin-binding transcription activator protein with CG-1 and Ankyrin domain
AT3G55050	1.857296201	2.442939276	0.017377216	0.000202454	Protein phosphatase 2C family protein
AT2G29100	#jDIV/0!	#jDIV/0!	0.168758318	0.021130061	glutamate receptor 2.9
AT1G64380	1.705725738	2.018218914	0.03374753	0.00179392	Integrase-type DNA-binding superfamily protein
AT1G07220	1.575568077	2.369713696	0.011798643	0.023835179	O-glucosyltransferase rumi-like protein (DUF821)
AT4G36110	1.74062192	2.560959184	0.106972014	0.027903245	SAUR-like auxin-responsive protein family
AT2G02620	1.484959934	3.028925465	0.478222244	0.014153996	Cysteine/Histidine-rich C1 domain family protein
AT3G15340	2.422660597	2.568376635	0.064343473	0.018382784	proton pump interactor 2
AT2G37110	1.498617798	2.185161575	0.004474471	0.001644341	PLAC8 family protein
AT2G31920	#jDIV/0!	#jDIV/0!	0.422649731	0.035695739	elongation factor 1-delta%2C putative (DUF936)
AT5G54490	3.10505348	10.00638985	0.07928608	0.031524044	pinoid-binding protein 1
AT1G28390	1.875225106	2.516478671	0.0024688	0.028058322	Protein kinase superfamily protein
AT4G13820	1.284551634	4.770473108	0.334066299	0.002337354	Leucine-rich repeat (LRR) family protein
AT1G07963	1.745666395	3.569482214	0.411770646	0.030325666	NA
AT3G26020	1.752947139	2.45254764	0.024943393	0.001782221	Protein phosphatase 2A regulatory B subunit family protein
AT4G31950	45.93501279	175.853851	0.136907858	1.58526E-05	cytochrome P450%2C family 82%2C subfamily C%2C polypeptide 3
AT1G35610	3.327583476	4.06940313	0.416563667	0.046234736	Cysteine/Histidine-rich C1 domain family protein
AT2G41105	9.708664386	22.26217179	0.292099833	0.01715521	hypothetical protein
AT3G01835	5.321354967	7.901326502	0.18777069	0.031251677	NA
AT5G24430	1.899883108	3.036550401	0.006158426	0.004394203	Calcium-dependent protein kinase (CDPK) family protein
AT3G56050	1.498036627	2.110640148	0.013233223	0.001082192	Protein kinase family protein
AT1G22810	#jDIV/0!	#jDIV/0!	0.173375051	0.042893841	Integrase-type DNA-binding superfamily protein
AT1G74870	1.516495813	2.060510058	0.296622354	0.013985353	RING/U-box superfamily protein
AT1G69430	1.671965709	3.31049962	0.174448529	0.006298562	Son of sevenless protein
AT5G61090	1.865109462	4.15070604	0.166174409	0.039704629	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein
AT2G43620	1.979817422	4.422680828	0.024254672	0.003622592	Chitinase family protein
AT3G05660	2.01090419	2.021618029	0.111975857	0.011218528	receptor like protein 33
AT4G16350	2.298264628	3.702548221	0.166842147	0.01838702	calcineurin B-like protein 6
AT1G24148	1.945408737	2.003204597	0.007241645	0.003583519	hypothetical protein
AT1G75450	1.533765717	2.191744728	0.094331684	0.007311286	cytokinin oxidase 5
AT5G24040	4.80889144	11.41119881	0.093320062	0.003643844	F-box SKIP23-like protein (DUF295)
AT1G07128	4.384243888	3.507579663	0.085590129	0.011433386	NA
AT1G55475	1.932835869	2.37062435	0.008543696	0.015898465	hypothetical protein
AT1G28600	1.774580471	2.22767287	0.01583199	0.026074257	GDSL-like Lipase/Acylhydrolase superfamily protein

AT2G18630	1.256008766	2.082297196	0.046032394	0.001681211	transmembrane protein%2C putative (DUF677)
AT2G35637	3.37857905	6.634247937	0.076489514	0.015181503	NA
AT3G26470	1.922548058	2.28242579	0.010891869	0.01223233	Powdery mildew resistance protein%2C RPW8 domain-containing protein
AT2G18090	1.481829855	2.003525717	0.003532072	0.000270108	PHD finger family protein / SWIB complex BAF60b domain-containing protein / GYF domain-containing protein
AT1G02880	3.139318111	3.451320944	0.14607177	0.019486591	thiamin pyrophosphokinase1
AT1G65790	#jDIV/0!	#jDIV/0!	0.077661061	0.010162414	receptor kinase 1
AT1G67880	1.415866881	4.338785779	0.016118839	0.01148457	beta-1%2C4-N-acetylglucosaminyltransferase family protein
AT4G22780	1.688341093	4.220232645	0.00695959	0.006914004	ACT domain repeat 7
AT1G27180	1.261555975	2.132453647	0.125605777	0.002726605	disease resistance protein (TIR-NBS-LRR class)
AT2G38290	1.752826989	2.591782689	0.000529119	0.009964932	ammonium transporter 2
AT3G21650	1.782394796	2.628886035	0.007278811	0.000165476	Protein phosphatase 2A regulatory B subunit family protein
AT4G28340	#jDIV/0!	#jDIV/0!	0.422649731	0.00097104	pyrroline-5-carboxylate reductase
AT1G76440	1.489130407	2.792388514	0.334987133	0.00323315	HSP20-like chaperones superfamily protein
AT5G08660	1.763123008	2.045396323	0.000658068	8.26526E-05	D-lactate dehydrogenase (DUF668)
AT3G28930	2.553893345	2.968262066	0.303587359	0.042365462	AlG2-like (avirulence induced gene) family protein
AT5G27765	#jDIV/0!	#jDIV/0!	0.051106935	0.000482836	transmembrane protein
AT1G33720	1.658697718	2.233444078	0.065818396	0.027147514	cytochrome P450%2C family 76%2C subfamily C%2C polypeptide 6
AT3G02070	1.603487775	2.351897664	0.022878232	9.85639E-05	Cysteine proteinases superfamily protein
AT2G37830	8.258876184	8.633598885	0.108921832	0.034586829	NA
AT4G28460	#jDIV/0!	#jDIV/0!	0.084398761	0.010528806	transmembrane protein
AT2G47730	1.830985526	2.665253492	0.014437538	0.004536313	glutathione S-transferase phi 8
AT2G05875	6.653790205	6.797743217	0.303891642	0.007238622	NA
AT5G62470	1.029097492	5.012643986	0.976739616	0.001946766	myb domain protein 96
AT1G31130	1.851868771	4.21012336	0.09557278	0.027521856	polyadenylate-binding protein 1-B-binding protein
AT5G51465	53.71249345	230.823108	0.079059205	0.002075872	hypothetical protein
AT5G40910	1.620087355	2.241659409	0.165270366	0.004174904	Disease resistance protein (TIR-NBS-LRR class) family
AT1G65310	1.221295196	2.293941041	0.335332622	0.010596073	xyloglucan endotransglucosylase/hydrolase 17
AT3G07960	1.969355949	3.476340694	0.17647089	0.001531587	Phosphatidylinositol-4-phosphate 5-kinase family protein
AT5G41170	1.710571987	2.94317929	0.036561879	0.001749236	Pentatricopeptide repeat (PPR-like) superfamily protein
AT2G35730	6.212074486	4.244666767	0.063179657	0.033650333	Heavy metal transport/detoxification superfamily protein
AT2G25850	1.330849963	2.19392521	0.173399196	0.000596156	poly(A) polymerase 2
AT1G04053	1.723980298	2.520797341	0.178762247	0.020264539	NA
AT4G36010	1.301323674	2.424867464	0.150505208	0.003177679	Pathogenesis-related thaumatin superfamily protein
AT5G56960	182.2441027	263.4508509	0.113125737	0.00290319	basic helix-loop-helix (bHLH) DNA-binding family protein
AT3G48790	#jDIV/0!	#jDIV/0!	0.292445245	0.010933684	Pyridoxal phosphate (PLP)-dependent transferases superfamily protein
AT1G63870	8.74737714	16.23885284	0.222822538	0.023446678	Disease resistance protein (TIR-NBS-LRR class) family
AT4G35380	1.995130737	4.488403798	0.065258187	0.013785807	SEC7-like guanine nucleotide exchange family protein
AT1G64280	1.773530911	3.324879944	0.011640855	0.001956927	regulatory protein (NPR1)
AT1G59124	2.522020626	3.202154944	0.088451073	0.040388644	Disease resistance protein (CC-NBS-LRR class) family
AT2G28270	#jDIV/0!	#jDIV/0!	0.339633341	0.000772647	Cysteine/Histidine-rich C1 domain family protein

AT4G30090	#jDIV/0!	#jDIV/0!	0.141030408	0.001310668	golgin family A protein
AT4G25020	1.829165036	2.329387224	0.001132729	0.00229372	D111/G-patch domain-containing protein
AT3G13380	1.727138793	2.6163764	0.017766277	0.014752903	BRI1-like 3
AT4G02195	1.396300075	2.127254348	0.160543731	0.014511963	syntaxin of plants 42
AT3G21700	1.92871256	2.152103574	0.028551154	0.004589923	Ras-related small GTP-binding family protein
AT4G06135	3.852745093	3.003214449	0.082295326	0.037099198	NA
AT5G48655	1.461530826	2.365862324	0.090508943	0.00987821	RING/U-box superfamily protein
AT1G76040	1.639926202	2.297447837	0.040486383	0.020530761	calcium-dependent protein kinase 29
AT4G27300	1.700600881	2.113791921	0.017694013	0.008861465	S-locus lectin protein kinase family protein
AT5G13485	22.60988303	20.40420148	0.059826084	0.009862023	NA
AT5G48660	1.529531105	2.58166914	0.173365777	0.000173799	B-cell receptor-associated protein 31-like protein
AT1G30640	1.45644644	2.184088241	0.203552207	0.012035826	Protein kinase family protein
AT4G23320	34.40656797	26.63075912	0.19269711	0.025642045	cysteine-rich RLK (RECEPTOR-like protein kinase) 24
AT1G56520	1.811487849	3.269987691	0.033770542	5.40977E-06	Disease resistance protein (TIR-NBS-LRR class) family
AT5G20400	1.860931006	3.348106084	0.000100988	0.010465108	2-oxoglutarate (2OG) and Fe(II)-dependent oxygenase superfamily protein
AT2G47680	1.38785697	2.630442965	0.206235665	0.005906604	zinc finger (CCCH type) helicase family protein
AT1G58889	1.862681511	2.58613104	0.051070936	0.024478953	NA
AT3G22910	1.540174372	5.285262679	0.160860127	0.012340736	ATPase E1-E2 type family protein / haloacid dehalogenase-like hydrolase family protein
AT5G04930	1.619264374	2.476275277	0.031589251	0.000278216	aminophospholipid ATPase 1
AT3G12910	247.3203992	733.4700214	0.058629025	0.003102979	NAC (No Apical Meristem) domain transcriptional regulator superfamily protein
AT1G59740	1.593571571	2.874554025	0.137214457	0.008394481	Major facilitator superfamily protein
AT1G77390	2.221655685	6.731681453	0.129401713	0.001160162	CYCLIN A1%3B2
AT3G60966	1.7649588	2.205008282	0.008155902	0.021824942	RING/U-box superfamily protein
AT1G64080	1.593961217	2.122603822	0.021267579	0.014455145	membrane-associated kinase regulator
AT3G47210	1.530736188	2.239926642	0.07203636	0.019000985	hypothetical protein (DUF247)
AT3G05580	2.273970899	6.064516191	0.138809093	0.000182341	Calcineurin-like metallo-phosphoesterase superfamily protein
AT4G12000	1.467999909	2.135368894	0.24179037	0.048040066	SNARE associated Golgi protein family
AT3G13850	2.291835169	5.507987418	0.449242808	0.01265766	LOB domain-containing protein 22
AT1G71100	1.652182797	2.164820476	0.006280277	0.026147511	Ribose 5-phosphate isomerase%2C type A protein
AT5G65205	1.841830481	2.062503988	0.004857827	0.006402239	NAD(P)-binding Rossmann-fold superfamily protein
AT3G01840	3.389982187	4.692655381	0.161191613	0.029239983	Protein kinase superfamily protein
AT1G71520	66.72809511	108.5997563	0.067531573	0.012067968	Integrase-type DNA-binding superfamily protein
AT1G56470	11.437599	16.61346847	0.187520332	0.047242657	NA
AT1G77860	#jDIV/0!	#jDIV/0!	0.422649731	0.034446313	Rhomboid-related intramembrane serine protease family protein
AT5G53230	3.519921787	5.044106805	0.498457166	0.042712793	hypothetical protein (DUF295)
AT1G20320	#jDIV/0!	#jDIV/0!	0.192537272	0.006937933	Haloacid dehalogenase-like hydrolase (HAD) superfamily protein
AT5G25260	7.81853618	43.26405821	0.088077876	0.00089588	SPFH/Band 7/PHB domain-containing membrane-associated protein family
AT5G51480	1.584487778	2.232667362	0.264700984	0.003880655	SKU5 similar 2
AT3G01820	1.832428189	2.590990865	0.007237508	0.032195134	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT1G11490	#jDIV/0!	#jDIV/0!	0.184368047	0.013871418	zinc finger (C2H2 type) family protein

AT1G09867	1.331508128	3.052165888	0.724315098	0.037252205	NA
AT1G05670	1.745581935	2.710734716	0.040766845	9.73144E-05	Pentatricopeptide repeat (PPR-like) superfamily protein
AT1G19330	1.719026117	2.30945243	0.02288988	0.02465322	histone deacetylase complex subunit
AT3G50800	1.897875804	3.308492572	0.113580273	0.01136175	hypothetical protein
AT5G39890	1.855787244	2.171754387	0.030952897	0.040918966	2-aminoethanethiol dioxygenase%2C putative (DUF1637)
AT4G03460	23.34055799	65.4347836	0.057678553	0.004107508	Ankyrin repeat family protein
AT1G63350	1.971441903	3.037138946	0.001622126	0.00606672	Disease resistance protein (CC-NBS-LRR class) family
AT4G16820	25.20527355	118.7731409	0.160995476	0.023415873	alpha/beta-Hydrolases superfamily protein
AT1G74490	1.414009096	2.442047144	0.114417138	0.031905551	Protein kinase superfamily protein
AT5G01830	2.585041879	5.100485331	0.058194678	0.000893578	ARM repeat superfamily protein
AT3G01175	1.879338793	2.609235976	0.068882451	0.033244597	transmembrane protein
AT1G14260	7.645703351	18.87504307	0.110707659	0.010723674	RING/FYVE/PHD zinc finger superfamily protein
AT3G16565	1.999178216	3.804173787	0.137875623	0.017113713	threonyl and alanyl tRNA synthetase second additional domain-containing protein
AT5G09865	2.406104054	3.579628874	0.307493579	0.040668793	NA
AT5G04310	1.702024138	2.664757538	0.024348864	0.001565564	Pectin lyase-like superfamily protein
AT3G13950	55.90269292	79.84263868	0.070815477	0.004969486	ankyrin
AT4G19003	1.540644661	2.082164899	0.46255453	0.027299783	E2F/DP family winged-helix DNA-binding domain-containing protein
AT3G54410	3.733357889	7.098543598	0.490047783	0.002528457	hypothetical protein (DUF1163)
AT5G48385	1.44869674	2.084956508	0.006477142	0.001468092	FRIGIDA-like protein
AT2G29120	1.393178992	2.111949738	0.194261863	0.037407217	glutamate receptor 2.7
AT3G57530	2.9747346	6.052221214	0.062523237	0.016266157	calcium-dependent protein kinase 32
AT3G26190	#jDIV/0!	#jDIV/0!	NA	0.040821553	cytochrome P450%2C family 71%2C subfamily B%2C polypeptide 21
AT5G58720	1.737867003	2.732138653	0.024160031	0.004417089	smr (Small MutS Related) domain-containing protein
AT5G46490	1.705311509	2.483743602	0.034239228	0.012159305	Disease resistance protein (TIR-NBS-LRR class) family
AT3G55430	1.403074871	2.130836307	0.010454369	0.01123722	O-Glycosyl hydrolases family 17 protein
AT5G46710	2.25989774	4.491041471	0.067288613	0.007474605	PLATZ transcription factor family protein
AT1G30810	1.243847611	2.457980857	0.030291149	0.024836437	Transcription factor jumonji (jmj) family protein / zinc finger (C5HC2 type) family protein
AT5G57010	7.767523584	21.4500395	0.05208432	0.000773148	calmodulin-binding family protein
AT2G30440	1.936546877	2.346929097	0.008930875	0.000793375	thylakoid processing peptide
AT4G20460	1.407517195	2.838888562	0.190070211	0.001166487	NAD(P)-binding Rossmann-fold superfamily protein
AT4G22530	1.987536911	2.599331305	0.101926143	0.027632714	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT1G33030	4.17430843	4.179355115	0.105011269	0.002902675	O-methyltransferase family protein
AT1G68330	2.504685864	5.291646959	0.092467459	0.007011341	membrane-associated kinase regulator
AT2G17480	1.693692688	2.835478074	0.01363524	0.02461177	Seven transmembrane MLO family protein
AT3G19553	1.768270341	2.43304795	0.027623915	0.000784238	Amino acid permease family protein
AT2G20320	1.482355539	2.098737946	0.07163639	0.029092974	DENN (AEX-3) domain-containing protein
AT1G51880	2.219128138	3.872159104	0.184899908	0.001860307	root hair specific 6
AT1G55460	1.638192244	2.266722664	0.020325697	2.03142E-05	DNA/RNA-binding protein Kin17%2C conserved region
AT1G58807	2.522308605	3.203910898	0.088487435	0.040307415	Disease resistance protein (CC-NBS-LRR class) family
AT4G25670	1.879374959	2.658728604	0.005469496	0.00570601	stress response NST1-like protein

AT5G52800	9.261287447	40.45023935	0.223350779	0.038637708	DNA primase
AT2G37980	1.918541097	2.344094607	0.027643742	0.003496947	O-fucosyltransferase family protein
AT1G51270	2.624143223	3.2701778	0.060358538	0.002802772	vesicle-associated protein 1-4
AT1G77250	1.526733556	2.056475682	0.004587897	0.00014502	RING/FYVE/PHD-type zinc finger family protein
AT1G12360	1.418979841	2.806947592	0.013714759	3.50415E-05	Sec1/munc18-like (SM) proteins superfamily
AT1G76970	4.787122647	12.72260431	0.167154648	0.005648737	Target of Myb protein 1
AT1G07683	#jDIV/0!	#jDIV/0!	0.127288231	0.001181307	NA
AT2G20160	#jDIV/0!	#jDIV/0!	0.422649731	0.0433508	E3 ubiquitin ligase SCF complex subunit SKP1/ASK1 family protein
AT1G59265	1.854995101	2.659141873	0.066768147	0.0175682	NA
AT4G36945	1.10167632	2.722870584	0.505280436	0.003813481	PLC-like phosphodiesterases superfamily protein
AT1G44100	1.628892753	2.060057995	0.00336237	0.002994883	amino acid permease 5
AT4G35730	1.107039932	2.735070555	0.463211427	0.000537322	Regulator of Vps4 activity in the MVB pathway protein
AT3G47380	1.734932987	2.781597199	0.00503499	0.016832709	Plant invertase/pectin methylesterase inhibitor superfamily protein
AT4G17500	1.94555223	2.037866893	0.006715033	0.015920525	ethylene responsive element binding factor 1
AT5G57015	1.416808506	2.031788403	0.032001719	0.000257635	casein kinase I-like 12
AT4G30600	1.566060113	2.330306162	0.016996007	0.000590968	signal recognition particle receptor alpha subunit family protein
AT1G30550	1.528277002	2.557760665	0.565717088	0.008465327	S-adenosyl-L-methionine-dependent methyltransferase superfamily protein
AT5G58160	1.320981501	3.103403655	0.156370561	0.000151695	actin binding protein
AT1G73510	#jDIV/0!	#jDIV/0!	0.422649731	0.033890301	hypothetical protein
AT3G63010	1.915709054	2.180971106	0.037183269	0.000740818	alpha/beta-Hydrolases superfamily protein
AT5G67430	5.037883759	6.703048357	0.212530831	0.003763266	Acyl-CoA N-acyltransferases (NAT) superfamily protein
AT2G31870	2.865995866	6.324494546	0.055846794	4.8742E-06	Poly (ADP-ribose) glycohydrolase (PARG)
AT5G52790	3.507019884	6.972520611	0.314161185	0.009043626	CBS domain protein with a domain protein (DUF21)
AT3G25780	2.123163834	3.369541965	0.064005606	0.02345007	allene oxide cyclase 3
AT5G59450	1.570061358	2.647228445	0.001373363	0.016066403	GRAS family transcription factor
AT1G04625	7.768031189	9.373597331	0.241630217	0.008576808	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein
AT4G23882	#jDIV/0!	#jDIV/0!	0.1906881	0.024609757	Heavy metal transport/detoxification superfamily protein
AT5G35205	0	3.518333333	0.183542174	0.018354903	NA
AT1G27110	2.128671652	3.565918014	0.205843808	0.007844362	Tetratricopeptide repeat (TPR)-like superfamily protein
AT1G23200	1.829251923	2.795686302	0.022790366	0.005906146	Plant invertase/pectin methylesterase inhibitor superfamily
AT5G03390	3.463169142	5.218104091	0.061833957	0.009754509	hypothetical protein (DUF295)
AT5G03720	1.385011812	2.038174368	0.125151037	0.027817753	heat shock transcription factor A3
AT5G54206	#jDIV/0!	#jDIV/0!	NA	0.000842872	NA
AT5G12940	1.283771376	2.294175643	0.264419256	0.002549366	Leucine-rich repeat (LRR) family protein
AT2G29110	40.05305436	287.8275911	0.051732272	0.028757946	glutamate receptor 2.8
AT2G46330	1.964998329	2.984652075	0.013033898	1.102E-05	arabinogalactan protein 16
AT5G57190	16.7047666	31.83655116	0.059261013	0.030143138	phosphatidylserine decarboxylase 2
AT1G13500	2.650823328	2.746760268	0.075246062	0.004573232	hypothetical protein (DUF1262)
AT5G52740	#jDIV/0!	#jDIV/0!	0.203370467	0.014186634	Copper transport protein family
AT1G27720	1.622125568	2.036637596	0.16936466	0.035462744	TBP-associated factor 4B

AT1G31350	1.903612333	2.886650856	0.000421814	0.02313479	KAR-UP F-box 1
AT4G38530	1.670664966	2.340952272	0.048509546	0.046819876	phospholipase C1
AT3G07580	2.649387345	3.284700085	0.055905291	0.029751069	hypothetical protein
AT1G09070	1.517413445	2.606721258	0.008433909	0.005160216	soybean gene regulated by cold-2
AT3G53280	1.529774771	5.469105428	0.001634099	0.022692903	cytochrome p450 71b5
AT5G11250	2.357635236	3.454994072	0.055319148	0.033778529	Disease resistance protein (TIR-NBS-LRR class)
AT4G04570	1.508443737	2.041750164	0.036616396	0.01738903	cysteine-rich RLK (RECEPTOR-like protein kinase) 40
AT2G44180	1.60587212	2.247797383	0.000780803	0.008036535	methionine aminopeptidase 2A
AT3G14070	0.831711316	2.126884253	0.722394522	0.021432929	cation exchanger 9
AT4G09405	3.021209385	3.75659446	0.424398934	0.015962609	NA
AT5G33382	1.88784869	2.374471433	0.458215091	0.002136345	NA
AT1G61415	0.72585013	2.199841384	0.619831458	0.046264894	CAP-gly domain linker
AT5G19250	1.9338932	2.660985725	0.004684281	0.000939227	Glycoprotein membrane precursor GPI-anchored
AT2G23450	1.9544034	2.154157956	0.00704335	0.000164715	Protein kinase superfamily protein
AT3G10720	2.746727175	9.063667912	0.072417949	0.008154744	Plant invertase/pectin methylesterase inhibitor superfamily
AT5G67140	1.715290355	2.362207917	0.067521945	0.000588259	F-box/RNI-like superfamily protein
AT4G09030	1.507492612	2.374853129	0.017733452	0.000297141	arabinogalactan protein 10
AT1G44740	#jDIV/0!	#jDIV/0!	0.422649731	0.036006069	hypothetical protein
AT3G25882	2.836139471	3.323159909	0.126502126	0.040405456	NIM1-interacting 2
AT4G34420	1.882326002	2.220763268	0.07981109	0.010857779	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT4G01540	1.879315296	2.648329073	0.033661277	0.034043454	NAC with transmembrane motif1
AT1G23550	1.707752357	2.438247919	0.032392169	0.002160414	similar to RCD one 2
AT3G61760	3.358618456	3.370317563	0.13588522	0.040831795	DYNAMIN-like 1B
AT5G19221	2.749251413	3.543384191	0.234013507	0.00382422	NA
AT1G76210	1.491457414	3.051124947	0.431776247	0.034151382	DUF241 domain protein%2C putative (DUF241)
AT4G23470	1.730690244	2.62117983	0.004021398	0.000676244	PLAC8 family protein
AT3G45730	1.219657853	2.002024948	0.337040033	0.005924566	hypothetical protein
AT2G38360	1.415742872	2.475928153	0.084218333	0.000309275	prenylated RAB acceptor 1.B4
AT5G09790	1.76237046	2.651051046	0.016837077	0.002842776	TRITHORAX-RELATED PROTEIN 5
AT3G47480	1.356650631	3.154462946	0.283811929	0.006317448	Calcium-binding EF-hand family protein
AT5G66320	1.4897943	2.02624695	0.03336189	0.038324423	GATA transcription factor 5
AT1G61560	100.8597611	166.1148405	0.050123472	0.034525651	Seven transmembrane MLO family protein
AT1G53080	26.61413037	61.74759168	0.142025265	0.001002326	Legume lectin family protein
AT1G18210	1.85913603	2.708451869	0.014687456	0.036772329	Calcium-binding EF-hand family protein
AT1G10990	2.613157981	3.562180303	0.052635869	0.033932376	transmembrane protein
AT4G01770	1.762493511	2.626149082	0.01979148	0.011414551	rhamnogalacturonan xylosyltransferase 1
AT1G51900	#jDIV/0!	#jDIV/0!	NA	0.00148551	Regulator of Vps4 activity in the MVB pathway protein
AT3G13600	1.935062026	6.046908925	0.074272907	0.01406781	calmodulin-binding family protein
AT5G50680	#jDIV/0!	#jDIV/0!	0.422649731	0.004591717	SUMO activating enzyme 1B
AT1G67920	4.839614855	5.495886929	0.107565058	0.034930065	hypothetical protein

AT3G53840	1.754240548	2.171322569	0.282560862	0.006497323	Protein kinase superfamily protein
AT1G64700	1.36595146	2.032828528	0.296614232	0.040482548	DUF4228 domain protein
AT3G25250	12.7144536	34.16787579	0.063351058	0.000888323	AGC (cAMP-dependent%2C cGMP-dependent and protein kinase C) kinase family protein
AT3G54100	1.996928074	2.648851618	0.012591935	0.000746902	O-fucosyltransferase family protein
AT3G23120	3.003618712	5.849873472	0.053666993	0.015285369	receptor like protein 38
AT1G32127	1.62753989	2.224656596	0.119157992	0.003768677	plant viral-response family protein
AT1G67810	9.004416446	23.20576246	0.075816719	0.002877825	sulfur E2
AT1G08860	#jDIV/0!	#jDIV/0!	0.422649731	0.017007681	Calcium-dependent phospholipid-binding Copine family protein
AT1G64400	1.749685565	3.530008334	0.013919862	0.000413355	AMP-dependent synthetase and ligase family protein
AT5G62460	1.308625115	2.38476639	0.101616633	0.035393807	RING/FYVE/PHD zinc finger superfamily protein
AT5G06090	10.86865555	5.741241445	0.107369771	0.029607269	glycerol-3-phosphate acyltransferase 7
AT5G01120	1.019185011	3.301326543	0.966277321	0.026554147	hypothetical protein (DUF674)
AT2G05940	1.701063967	2.909917055	0.028977462	0.031714594	Protein kinase superfamily protein
AT3G45290	1.386603065	2.35397855	0.189912691	0.016166769	Seven transmembrane MLO family protein
AT5G13490	1.909108012	2.397386399	0.015400079	0.000143477	ADP/ATP carrier 2
AT1G15430	1.993115968	2.878502993	0.053399743	0.003327129	hypothetical protein (DUF1644)
AT2G44500	1.510153367	2.534913312	0.040701759	0.000175142	O-fucosyltransferase family protein
AT4G00850	1.650794092	2.293992224	0.189897427	0.015701449	GRF1-interacting factor 3
AT1G14750	1.444614177	2.435389044	0.27732286	0.004434003	Cyclin family protein
AT1G22240	#jDIV/0!	#jDIV/0!	0.328806759	0.017881351	pumilio 8
AT2G04555	3.655612351	3.543361967	0.20077406	0.04136807	NA
AT5G48400	3.575233155	5.446120848	0.079108215	0.006251275	Glutamate receptor family protein
AT4G08615	#jDIV/0!	#jDIV/0!	0.422649731	0.023356837	NA
AT5G16770	#jDIV/0!	#jDIV/0!	0.219138329	0.03819159	myb domain protein 9
AT1G07650	1.315973646	2.54904607	0.163804464	0.004702577	Leucine-rich repeat transmembrane protein kinase
AT4G10530	#jDIV/0!	#jDIV/0!	0.075952821	0.049524552	Subtilase family protein
AT5G55350	0.745001636	2.531522615	0.771643308	0.018672489	MBOAT (membrane bound O-acyl transferase) family protein
AT1G33420	2.028226422	5.403848529	0.441819585	0.014469094	RING/FYVE/PHD zinc finger superfamily protein
AT3G23170	1.615913058	2.469226337	0.000691113	0.019614772	hypothetical protein
AT2G04495	15.16599518	95.05123097	0.093019574	0.004545872	transmembrane protein
AT1G04047	0.511021134	2.977640911	0.501426008	0.047400761	NA
AT1G74440	4.472950567	14.49725186	0.108274797	0.012961249	ER membrane protein%2C putative (DUF962)
AT4G37770	2.277626221	8.121819875	0.135784641	0.012343368	1-amino-cyclopropane-1-carboxylate synthase 8
AT4G35110	2.046870624	3.418743788	0.346399577	9.55887E-05	phospholipase-like protein (PEARL1 4) family protein
AT1G67460	1.849910891	2.250578633	0.096357882	0.038566246	Minichromosome maintenance (MCM2/3/5) family protein
AT2G01300	0.937587747	2.01832451	0.592454487	0.007711318	mediator of RNA polymerase II transcription subunit
AT1G66465	4.636565119	9.700334989	0.25911398	0.046821049	transmembrane protein
AT4G25030	1.983055011	3.073851165	0.018035904	0.000893479	Serine/Threonine-kinase
AT1G14420	4.065232093	4.667133169	0.18472866	0.018139594	Pectate lyase family protein
AT1G04370	3.117180494	7.068116144	0.574076327	0.017494863	Ethylene-responsive element binding factor 14

AT5G49850	7.534794217	4.833944731	0.116257876	0.040063258	Mannose-binding lectin superfamily protein
AT3G19002	5.741173139	6.484779955	0.093921748	0.002231871	NA
AT4G21740	1.614874661	2.024657169	0.01897565	0.01801158	transmembrane protein
AT2G21500	1.685665042	2.427694188	0.028019454	9.29218E-07	RING/U-box superfamily protein
AT3G19260	1.361666101	2.136845799	0.24783238	0.009755651	LAG1 homologue 2
AT4G28550	2.181322095	6.626339265	0.105496648	0.00116144	Ypt/Rab-GAP domain of gyp1p superfamily protein
AT3G28315	#jDIV/0!	#jDIV/0!	0.422649731	0.026179123	NA
AT3G42792	#jDIV/0!	#jDIV/0!	0.422649731	0.02274702	NA
AT4G37100	1.840698864	2.17885284	0.080700414	0.002843806	Pyridoxal phosphate (PLP)-dependent transferases superfamily protein
AT2G09925	4.569751441	7.041298598	0.114904426	0.027769885	NA
AT2G28970	2.218303465	2.605788681	0.098171664	0.046556027	Leucine-rich repeat protein kinase family protein
AT3G45040	1.478530674	2.264856855	0.002194357	0.008441106	phosphatidate cytidyltransferase family protein
AT5G59510	2.66350847	2.998723728	0.134130877	0.00206465	ROTUNDIFOLIA like 5
AT3G63060	3.188160531	6.802687594	0.198766878	0.041168036	EID1-like 3
AT4G38830	3.946172918	4.843648215	0.11430545	0.001408162	cysteine-rich RLK (RECEPTOR-like protein kinase) 26
AT4G00240	2.161569365	3.119973697	0.050958431	0.001312915	phospholipase D beta 2
AT1G17260	6.504525979	12.90072763	0.137678896	0.045777682	autoinhibited H[+]-ATPase isoform 10
AT4G18540	#jDIV/0!	#jDIV/0!	0.101038632	0.005764927	transmembrane protein
AT2G01450	1.850260862	2.041142337	0.009585191	0.007160659	MAP kinase 17
AT3G27490	2.52111603	2.262839902	0.086780285	0.014529753	Cysteine/Histidine-rich C1 domain family protein
AT5G01050	2.429400522	4.715132071	0.196869331	0.000441787	Laccase/Diphenol oxidase family protein
AT4G22640	2.38803667	6.017871985	0.096417922	0.043101939	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein
AT1G62420	1.852030024	2.37723741	0.040609132	0.002009987	DUF506 family protein (DUF506)
AT2G20370	1.460114002	2.156225138	0.016232642	0.000118145	Exostosin family protein
AT3G51160	1.787415636	2.544855353	0.008826276	0.005296363	NAD(P)-binding Rossmann-fold superfamily protein
AT1G02405	3.127712685	3.666553203	0.143361528	0.04373361	proline-rich family protein
AT2G44480	2.281541849	2.4353407	0.072178681	0.048343874	beta glucosidase 17
AT1G06135	#jDIV/0!	#jDIV/0!	0.2022426	0.004451649	transmembrane protein
AT4G30910	1.753468573	2.161599005	0.025903863	0.033042254	Cytosol aminopeptidase family protein
AT4G17660	#jDIV/0!	#jDIV/0!	0.19176319	0.042653553	Protein kinase superfamily protein
AT1G17255	1.890969646	2.596433016	0.001704953	0.004194562	NA
AT3G02800	11.93853559	17.3064907	0.053756913	0.010810745	Tyrosine phosphatase family protein
AT4G12710	1.6131628	2.082561049	0.045213053	0.006442694	ARM repeat superfamily protein
AT4G10970	1.987094365	2.752636811	0.185691685	0.011130161	ribosome maturation factor
AT1G04330	1.004936102	2.324368896	0.993671385	0.01096062	hypothetical protein
AT2G04490	1.40057873	2.194294224	0.017788313	0.000365106	NA
AT3G49370	1.943007796	2.527506957	0.021283109	0.020886944	Calcium-dependent protein kinase (CDPK) family protein
AT1G65800	1.57437965	2.08454303	0.035282276	0.048820162	receptor kinase 2
AT4G39320	1.557330101	2.995728688	0.09218559	0.026846118	microtubule-associated protein-like protein
AT1G66700	34.15359332	26.6071083	0.149331769	0.033101309	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein

AT5G53130	1.760007676	2.310150696	0.002097786	0.00025647	cyclic nucleotide gated channel 1
AT4G38940	2.323367302	5.039179642	0.094470988	0.009536302	Galactose oxidase/kelch repeat superfamily protein
AT1G13390	1.789798919	2.04341468	0.011399756	0.015364252	translocase subunit seca
AT1G59820	1.389443775	2.336091785	0.102579572	0.011220945	aminophospholipid ATPase 3
AT5G62865	1.925462533	2.283246758	0.041769665	0.018298206	hypothetical protein
AT1G70420	2.789621433	7.759613795	0.171099981	0.010983685	DNA ligase-like protein%2C putative (DUF1645)
AT5G06560	1.87893388	2.900820615	0.002227286	1.54216E-06	myosin-binding protein (Protein of unknown function%2C DUF593)
AT2G33640	1.831798836	2.274826319	0.082640507	0.03280087	DHHC-type zinc finger family protein
AT4G06746	3.68101253	3.098307953	0.065454873	0.020489962	related to AP2 9
AT2G46500	1.555739954	2.494273264	0.011726546	0.002613116	phosphoinositide 4-kinase gamma 4
AT1G35230	8.174738653	20.52923486	0.13201505	0.010251666	arabinogalactan protein 5
AT1G53390	1.664330551	2.444963894	0.024035468	0.001769804	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT2G02800	1.654143371	2.253872212	0.000257765	3.72857E-05	protein kinase 2B
AT1G24145	16.47469042	60.38336926	0.082183111	0.003971514	transmembrane protein
AT4G35310	1.556000587	2.517930428	0.002414301	0.002593327	calmodulin-domain protein kinase 5
AT1G66400	1.221429642	2.56769924	0.432219168	0.022679873	calmodulin like 23
AT3G25070	1.523121568	2.000055101	0.001352542	4.7454E-05	RPM1 interacting protein 4
AT3G15200	1.844213769	3.148930075	0.049957862	0.000488772	Tetratricopeptide repeat (TPR)-like superfamily protein
AT4G21220	1.546849509	2.386744546	0.651636437	0.006298671	Trimeric LpxA-like enzymes superfamily protein
AT3G28180	1.702451581	2.146539932	0.000661661	0.04182144	Cellulose-synthase-like C4
AT4G25070	1.602266261	2.691593373	0.084888403	0.004772996	caldesmon-like protein
AT5G07070	1.695359973	2.617153338	0.066789465	2.81078E-05	CBL-interacting protein kinase 2
AT3G14840	1.656527667	2.041376635	0.003448113	0.004421664	Leucine-rich repeat transmembrane protein kinase
AT1G11000	1.718274318	2.233903132	0.013272621	0.002219942	Seven transmembrane MLO family protein
AT5G37420	#jDIV/0!	#jDIV/0!	0.422649731	0.000724198	hypothetical protein (DUF577)
AT5G58730	1.720765209	2.573980268	0.032335389	0.005224401	pfkB-like carbohydrate kinase family protein
AT2G29720	3.727128983	5.112759437	0.058748328	0.003393975	FAD/NAD(P)-binding oxidoreductase family protein
AT2G41110	1.884741433	2.210538464	0.017859186	0.001534271	calmodulin 2
AT5G36937	#jDIV/0!	#jDIV/0!	NA	0.035692246	NA
AT5G16910	1.458082731	3.145385305	0.036909991	0.010627157	cellulose-synthase like D2
AT5G45000	5.23139557	6.240960551	0.157805129	0.026774624	Disease resistance protein (TIR-NBS-LRR class) family
AT3G02270	#jDIV/0!	#jDIV/0!	0.422649731	0.007606182	Trimeric LpxA-like enzyme
AT1G73550	2.09256713	3.447044002	0.055288891	0.004779353	Bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin superfamily protein
AT1G65385	20.53588336	81.64318053	0.206749283	0.011619462	NA
AT5G45110	1.649310251	3.155927124	0.109096111	0.002678349	NPR1-like protein 3
AT4G16890	1.570050322	2.112756847	0.056830019	0.001253509	TIR-NBS-LRR class disease resistance protein
AT4G30370	2.187273908	3.391230337	0.070157776	0.022780689	RING/U-box superfamily protein
AT1G06840	1.953768945	3.190209692	0.002516892	0.000129301	Leucine-rich repeat protein kinase family protein
AT3G46930	5.050617823	13.4734433	0.090028447	0.006972066	Protein kinase superfamily protein
AT4G33430	2.351441466	3.591106529	0.063039771	0.001827487	BRI1-associated receptor kinase

AT3G51440	1.596776474	2.37276365	0.09582789	9.17251E-05	Calcium-dependent phosphotriesterase superfamily protein
AT3G21220	1.360121569	2.156436465	0.062230241	0.018805311	MAP kinase kinase 5
AT5G37840	#jDIV/0!	#jDIV/0!	0.226820477	0.045224352	plastid movement impaired protein
AT1G01440	1.380357264	2.18797683	0.021661514	0.004711639	hypothetical protein (DUF3133)
AT1G67530	1.911260873	2.275019377	0.106751942	0.011833519	ARM repeat superfamily protein
ATMG01275	2.534695686	3.266406338	0.250456055	0.046685509	NADH dehydrogenase 1A
AT1G27100	1.724550211	2.751753308	0.003871456	0.001130517	Actin cross-linking protein
AT1G14455	0	3.848422189	0.200824518	0.023914563	hypothetical protein
AT1G18890	1.839450287	2.761899945	0.005575745	0.000165036	calcium-dependent protein kinase 1
AT5G14480	1.204076761	2.066733913	0.097762897	0.003198913	beta-1%2C4-N-acetylglucosaminyltransferase family protein
AT4G31000	1.967862366	2.276743872	0.038087345	0.001878135	Calmodulin-binding protein
AT5G24510	3.482134514	2.354675851	0.070871803	0.003889325	60S acidic ribosomal protein family
AT2G24130	2.68696801	5.71875203	0.341760018	0.005769477	Leucine-rich receptor-like protein kinase family protein
AT1G09537	3.276866025	3.112784856	0.158121538	0.034668903	NA
AT2G09225	2.762694553	4.56451363	0.064696707	0.00452796	NA
AT5G47710	1.614523324	2.422605763	0.020348436	0.015695827	Calcium-dependent lipid-binding (CaLB domain) family protein
AT2G34930	2.370925492	3.88308771	0.07714466	0.024837904	disease resistance family protein / LRR family protein
AT4G10390	1.983229348	2.515558083	0.087132473	0.006783195	Protein kinase superfamily protein
AT1G32928	2.349287268	4.942715971	0.0834877	0.000333034	Avr9/Cf-9 rapidly elicited protein
AT2G07648	#jDIV/0!	#jDIV/0!	0.304566823	0.043109417	hypothetical protein
AT5G49900	1.786580361	2.415433408	0.002552849	0.025976743	Beta-glucosidase%2C GBA2 type family protein
AT1G29340	1.508593097	2.392212124	0.006389212	0.001589341	plant U-box 17
AT1G05630	1.492936446	2.978438393	0.033449973	0.001367691	Endonuclease/exonuclease/phosphatase family protein
AT3G45638	1.567698413	3.832028033	0.154391609	0.00208255	NA
AT1G74740	1.44533398	2.4514012	0.061259878	0.000683306	calcium-dependent protein kinase 30
AT2G14290	2.290963763	4.025478047	0.175611971	0.00784456	LL-diaminopimelate protein (DUF295)
AT1G70130	1.409333698	6.848044849	0.49698826	0.005483931	Concanavalin A-like lectin protein kinase family protein
AT1G48060	3.660919806	2.059570436	0.060214574	0.01311661	F-box/associated interaction domain protein
AT4G33440	1.869155128	2.840899846	0.001213237	0.017327718	Pectin lyase-like superfamily protein
AT2G04430	1.23061684	2.003051665	0.54353028	0.03572844	nudix hydrolase homolog 5
AT5G58120	4.002374347	10.05163408	0.067438221	0.010654038	Disease resistance protein (TIR-NBS-LRR class) family
AT4G12070	1.492253505	2.277517938	0.107201284	0.002789125	hypothetical protein
AT5G09876	#jDIV/0!	#jDIV/0!	0.113490425	0.008146648	hypothetical protein
AT1G74380	1.510614575	2.143351877	0.037020752	0.00110923	xyloglucan xylosyltransferase 5
AT1G61140	1.793873862	2.449362784	0.030643481	9.38037E-05	SNF2 domain-containing protein / helicase domain-containing protein / zinc finger protein-like protein
AT5G64450	1.948053689	2.8048879	0.112414815	0.004129737	NYN domain protein
AT1G66170	3.050930612	4.874168328	0.051154327	0.005246626	RING/FYVE/PHD zinc finger superfamily protein
AT3G60120	#jDIV/0!	#jDIV/0!	0.057991318	0.049225915	beta glucosidase 27
AT4G28800	1.581656109	2.47050577	0.549434252	0.010180846	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT1G69270	1.88847739	2.989703919	0.008041644	0.004590696	receptor-like protein kinase 1

AT2G45760	10.61240348	70.25675011	0.105642649	0.00544675	BON association protein 2
AT1G67850	1.404355305	2.214858409	0.147869753	0.03115113	lysine ketoglutarate reductase trans-splicing protein (DUF707)
AT4G21730	1.827049983	2.126615965	0.07080065	0.034892818	NA
AT1G47130	#jDIV/0!	#jDIV/0!	0.065831157	0.015914719	hypothetical protein
AT5G11290	1.716550482	3.982263	0.342211832	0.022423539	transmembrane protein%2C putative (DUF247)
AT1G63530	1.836067649	2.490206423	0.023229307	0.000836131	hypothetical protein
AT5G50200	1.652980747	2.288728383	0.022782668	0.007516967	nitrate transmembrane transporter
AT3G22160	1.958987217	2.168890245	0.006339099	0.014866523	VQ motif-containing protein
AT5G36925	22.32907616	51.7811671	0.064564285	0.001484301	hypothetical protein
AT5G40180	4.66926592	4.981779491	0.120814687	0.028606957	Pmr5/Cas1p GDSL/SGNH-like acyl-esterase family protein
AT1G19300	1.526102776	2.230992216	0.103850738	3.84843E-05	Nucleotide-diphospho-sugar transferases superfamily protein
AT2G14510	1.724562172	2.735837802	0.299778634	0.017977128	Leucine-rich repeat protein kinase family protein
AT5G26950	#jDIV/0!	#jDIV/0!	0.202439822	0.000971023	AGAMOUS-like 93
AT5G04720	1.683839754	2.405300437	0.015310723	0.00673176	ADR1-like 2
AT3G51300	0	8.957703982	0.422649731	0.030957554	RHO-related protein from plants 1
AT3G29970	#jDIV/0!	#jDIV/0!	NA	0.000233373	B12D protein
AT1G18980	1.803358912	3.157632268	0.016259059	0.00132995	RmlC-like cupins superfamily protein
AT4G12040	1.638220679	2.506510787	0.041112071	0.000171682	A20/AN1-like zinc finger family protein
AT1G05753	2.443576938	3.122545803	0.104700213	0.010889339	NA
AT1G21326	4.122233705	18.15369422	0.086781484	0.004347912	VQ motif-containing protein
AT1G22510	2.033177745	2.667971129	0.127962898	0.002764298	E3 ubiquitin-protein ligase RNF170-like protein (DUF 1232)
AT2G32140	9.768546669	23.89065873	0.057996133	0.001742278	transmembrane receptor
AT2G39530	1.522773705	3.448824714	0.268800361	0.010417938	Uncharacterized protein family (UPF0497)
AT5G24590	1.841707802	4.008156431	0.015637149	0.004115287	TCV-interacting protein
AT4G35985	1.118566411	2.047943201	0.725174324	0.029560711	Senescence/dehydration-associated protein-like protein
AT1G20300	1.642204604	3.512974801	0.025454647	0.009081418	Pentatricopeptide repeat (PPR) superfamily protein
AT1G16480	2.275477779	2.578005676	0.228296183	0.000702124	Tetratricopeptide repeat (TPR)-like superfamily protein
AT1G04100	1.898888325	2.1835687	0.019713672	0.001836324	indoleacetic acid-induced protein 10
AT5G23520	1.949075932	2.186609553	0.001577493	0.004620833	smr (Small MutS Related) domain-containing protein
AT3G51660	2.152869414	4.804660031	0.074226133	0.017853775	Tautomerase/MIF superfamily protein
AT4G39640	4.536468799	10.76913363	0.052600035	0.010826608	gamma-glutamyl transpeptidase 1
AT2G06530	1.530150586	2.327602996	0.090775087	0.000691314	SNF7 family protein
AT2G20150	8.256223345	30.06562906	0.164984969	3.11462E-05	hypothetical protein
AT5G10830	1.662122465	2.316022151	0.016542966	0.001572437	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT3G56400	1.720415104	2.910565173	0.003525509	0.015858649	WRKY DNA-binding protein 70
AT5G04020	1.712974477	2.196946376	0.035270215	0.024139766	calmodulin binding protein
AT4G04710	#jDIV/0!	#jDIV/0!	0.261799095	0.033216146	calcium-dependent kinase-like protein
AT3G56880	1.945552495	2.776290921	0.006149446	0.007159786	VQ motif-containing protein
AT4G31960	#jDIV/0!	#jDIV/0!	0.422649731	0.041396945	hypothetical protein
AT4G31980	1.630891317	2.205249138	0.041943973	0.0032419	PPPDE thiol peptidase family protein

AT4G26400	1.575115615	2.25207143	0.012339563	0.005119762	RING/U-box superfamily protein
AT5G43620	1.848062933	3.526035255	0.002050442	0.000182356	Pre-mRNA cleavage complex II
AT2G33110	1.266163286	7.723656153	0.680603412	0.002688593	vesicle-associated membrane protein 723
AT5G54730	1.710792198	2.200105174	0.038462442	0.01243399	yeast autophagy 18 F-like protein
AT1G53620	6.785654909	11.37006991	0.105244512	0.043571358	transmembrane protein
AT3G04480	1.668730409	2.117189538	0.036794173	0.000120354	endoribonuclease
AT1G76650	1.843755399	3.369988806	0.053459339	0.017134086	calmodulin-like 38
AT1G16150	26.92811432	62.6713356	0.064845483	0.030553601	wall associated kinase-like 4
AT1G34370	1.50752652	2.162883842	0.115972223	0.029824467	C2H2 and C2HC zinc fingers superfamily protein
AT5G52050	1.867350582	3.69125608	0.02944412	0.002459022	MATE efflux family protein
AT4G16600	1.95430051	3.700575117	0.133421531	0.015338446	Nucleotide-diphospho-sugar transferases superfamily protein
AT1G35140	1.300347946	2.648163025	0.041860459	0.00115732	Phosphate-responsive 1 family protein
AT3G25221	1.773764782	3.698139588	0.306093902	0.01809424	hypothetical protein
AT1G04567	4.892792624	10.1847943	0.108858516	0.044752867	NA
AT5G54060	1.515058936	2.818394736	0.631390594	0.021453584	UDP-glucose:flavonoid 3-o-glucosyltransferase
AT3G15530	1.816128993	2.318668537	0.010733519	0.011752743	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT4G30850	2.211786429	3.478035523	0.069971659	0.010287822	heptahelical transmembrane protein2
AT2G17290	1.580663355	2.135841453	0.041628528	0.020581969	Calcium-dependent protein kinase family protein
AT5G66640	45.75691796	71.19073973	0.056168627	0.002399616	DA1-related protein 3
AT1G74450	1.508311559	3.348277459	0.023194719	0.012490845	BPS1-like protein (DUF793)
AT1G24147	7.603342801	12.06284671	0.057236292	0.00070577	transmembrane protein
AT2G41630	1.709250505	2.091405989	0.018447768	0.000537769	transcription factor IIB
AT5G44050	1.457756337	2.404296396	0.546708921	0.040839177	MATE efflux family protein
AT1G64760	1.3780415	2.69317654	0.010560748	0.009731857	O-Glycosyl hydrolases family 17 protein
AT1G66080	1.583071757	2.113334745	0.02173986	0.022447752	hikeshi-like protein
AT2G28080	1.581994548	2.468583174	0.018908496	0.000703757	UDP-Glycosyltransferase superfamily protein
AT2G34650	1.81610462	2.894830073	0.063435083	0.00856742	Protein kinase superfamily protein
AT2G02370	1.79892939	2.424828356	0.048929336	0.00317732	SNARE associated Golgi protein family
AT3G04915	#jDIV/0!	#jDIV/0!	NA	0.048500596	NA
AT1G34200	1.868086367	2.146315852	0.002218065	0.001726546	Glyceraldehyde-3-phosphate dehydrogenase-like family protein
AT2G05640	#jDIV/0!	#jDIV/0!	0.422649731	0.000970783	NA
AT5G60800	1.79907758	3.320010145	0.044062851	0.009676975	Heavy metal transport/detoxification superfamily protein
AT1G76680	2.975789775	5.248189526	0.053670294	0.000714085	12-oxophytodienoate reductase 1
AT3G22260	2.743861275	4.273330566	0.055442167	0.014258517	Cysteine proteinases superfamily protein
AT1G64820	#jDIV/0!	#jDIV/0!	0.422649731	0.00748706	MATE efflux family protein
AT1G18740	1.965140034	4.647966084	0.001896052	0.019218207	ROH1%2C putative (DUF793)
AT4G05910	2.83755416	3.461241082	0.137513148	0.032040256	NA
AT2G28890	1.76021656	2.29952882	0.014734833	0.000189453	poltergeist like 4
AT5G22520	44.56577445	82.57333369	0.061319448	0.0044533	hypothetical protein
AT4G25707	3.60113582	4.967532128	0.292585379	0.038684191	splicing factor 3A subunit

AT2G37430	140.7538002	502.6319143	0.06678216	0.00274565	C2H2 and C2HC zinc fingers superfamily protein
AT4G04480	196.1901954	735.4967427	0.110317947	0.012252607	F-box protein with a domain protein
AT4G33985	2.494599371	4.241217427	0.138163816	0.008285484	membrane insertase%2C putative (DUF1685)
AT1G10040	3.867007586	4.573505998	0.081531006	0.019041949	alpha/beta-Hydrolases superfamily protein
AT4G16960	1.844722078	4.675999832	0.261953938	0.043945151	disease resistance protein (TIR-NBS-LRR class)
AT3G57120	1.688020316	2.091121735	0.03081842	0.00732962	Protein kinase superfamily protein
AT2G24165	5.39519908	16.96320648	0.092455202	0.033916335	NA
AT5G28830	1.751810989	2.337332814	0.003873301	0.000191252	calcium-binding EF hand family protein
AT1G18900	1.754617528	2.635787482	0.036649868	0.000475408	Pentatricopeptide repeat (PPR) superfamily protein
AT1G05340	1.554623867	2.273005584	0.019652822	9.12437E-06	cysteine-rich TM module stress tolerance protein
AT5G06490	#jDIV/0!	#jDIV/0!	0.069006124	0.022045602	RING/U-box superfamily protein
AT4G25380	1.747221744	2.799616296	0.503236512	0.046796042	stress-associated protein 10
AT4G19510	1.697841813	2.010681951	0.004111559	0.001857571	Disease resistance protein (TIR-NBS-LRR class)
AT1G57650	#jDIV/0!	#jDIV/0!	0.422649731	0.037097739	ATP binding protein
AT3G11650	1.291358391	2.079072917	0.090473611	0.005300283	NDR1/HIN1-like 2
AT5G24600	2.235534056	4.846394414	0.190188134	0.006129162	TRP-like ion channel protein (Protein of unknown function%2C DUF599)
AT2G30250	1.942593642	2.629002983	0.00100703	0.000266618	WRKY DNA-binding protein 25
AT1G01340	6.540539727	15.60460249	0.064789582	0.002544976	cyclic nucleotide gated channel 10
AT5G67630	1.613943945	2.013260526	0.049759856	0.020176106	P-loop containing nucleoside triphosphate hydrolases superfamily protein
AT4G24400	1.643739148	2.086929074	0.014147011	0.002366026	CBL-interacting protein kinase 8
AT3G13210	1.640319486	28.90417103	0.656564623	0.008326249	crooked neck protein%2C putative / cell cycle protein
AT1G20060	0.98892019	2.491404082	0.97402254	0.024263956	ATP binding microtubule motor family protein
AT2G36210	1.800928454	4.536095513	0.005999563	0.003894309	SAUR-like auxin-responsive protein family
AT2G04515	5.519791858	16.74499413	0.073996793	0.031812837	transmembrane protein
AT1G07647	3.622001904	7.702491032	0.355526931	0.049681545	NA
AT4G30290	1.923950179	3.507153697	0.092604563	0.025763167	xyloglucan endotransglucosylase/hydrolase 19
AT4G08555	8.982458275	19.66174144	0.087703194	0.029162473	hypothetical protein
AT4G36280	#jDIV/0!	#jDIV/0!	0.1860588	0.014268575	Histidine kinase-%2C DNA gyrase B-%2C and HSP90-like ATPase family protein
AT2G15042	8.124738041	4.908007381	0.127081385	0.009386956	Leucine-rich repeat (LRR) family protein
AT2G27260	1.457285543	2.081880437	0.00854782	6.26182E-05	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT5G38250	#jDIV/0!	#jDIV/0!	0.422649731	0.012766115	Protein kinase family protein
AT1G06140	1.667695574	4.426078031	0.143121273	2.17373E-05	Pentatricopeptide repeat (PPR) superfamily protein
AT5G63490	1.734197629	2.109644751	0.028770819	0.000368945	CBS / octicosapeptide/Phox/Bemp1 (PB1) domains-containing protein
AT3G10300	1.814368638	3.463137822	0.028564166	0.006303302	Calcium-binding EF-hand family protein
AT4G11900	1.646558338	3.861105463	0.089702628	0.002500239	S-locus lectin protein kinase family protein
AT1G16420	33.4713518	29.81336916	0.090717403	0.005319989	metacaspase 8
AT1G59860	2.4572825	2.644790367	0.064679216	0.005694995	HSP20-like chaperones superfamily protein
AT3G02880	1.817851431	3.512141057	0.004734293	0.00111257	Leucine-rich repeat protein kinase family protein
AT1G12580	1.423017246	2.14234826	0.042261332	0.000180547	phosphoenolpyruvate carboxylase-related kinase 1
AT1G61470	3.703280576	10.30132193	0.084872722	0.001610296	Polynucleotidyl transferase%2C ribonuclease H-like superfamily protein

AT3G06435	1.503894759	2.133139705	0.025656657	0.017162368	Expressed protein
AT5G48657	9.322901649	13.65103839	0.065928346	0.011675846	defense protein-like protein
AT1G76360	1.740411968	3.367750403	0.007522494	0.00011648	Protein kinase superfamily protein
AT1G61260	1.662222168	2.718739742	0.026474182	0.001625116	cotton fiber (DUF761)
AT1G49050	1.445570109	2.441654006	0.006335578	9.99925E-05	Eukaryotic aspartyl protease family protein
AT5G01380	1.754844122	2.79031903	0.033786857	0.013646636	Homeodomain-like superfamily protein
AT1G26730	1.809245129	2.519158568	0.168824841	0.017264026	EXS (ERD1/XPR1/SYG1) family protein
AT1G16640	1.881361068	5.160361518	0.165782589	0.033399659	AP2/B3-like transcriptional factor family protein
AT1G66920	2.715088213	2.466665934	0.050182491	0.012544653	Protein kinase superfamily protein
AT2G08585	3.016436105	4.948852408	0.574877493	0.018390682	NA
AT2G18670	1.507730465	2.172003401	0.245321321	0.009033414	RING/U-box superfamily protein
AT4G08500	1.982092217	2.913266425	0.010032391	0.000216642	MAPK/ERK kinase kinase 1
AT1G17600	1.7640024	3.04471464	0.165064054	0.029630046	Disease resistance protein (TIR-NBS-LRR class) family
AT2G36430	1.833669637	2.622853321	0.029751565	0.004048838	transmembrane protein%2C putative (DUF247)
AT5G44290	1.997611027	2.534375051	0.00290168	0.000862838	Protein kinase superfamily protein
AT1G61890	1.891041976	2.785345205	0.024736339	0.024305105	MATE efflux family protein
AT2G39360	1.278093084	2.018081288	0.056250194	0.020192466	Protein kinase superfamily protein
AT1G53060	1.996704489	3.040006396	0.04904785	0.000502588	Legume lectin family protein
AT2G47140	9.061844232	13.91532365	0.104637922	0.024255545	NAD(P)-binding Rossmann-fold superfamily protein
AT5G46295	25.73905721	43.32027276	0.053775859	0.022931053	transmembrane protein
AT4G37022	1.637944018	2.357107604	0.128073414	0.009696618	hypothetical protein
AT1G09363	2.413256956	5.210315955	0.386773589	0.013394623	NA
AT3G18560	1.302995673	2.095814026	0.159526281	0.000740262	hypothetical protein
AT1G07160	65.68060191	312.4938841	0.068743502	0.002094579	Protein phosphatase 2C family protein
AT1G11925	1.896491234	14.44964868	0.073220062	0.023835664	Stigma-specific Stig1 family protein
AT4G28420	#jDIV/0!	#jDIV/0!	0.063357972	0.04420765	Tyrosine transaminase family protein
AT3G23123	#jDIV/0!	#jDIV/0!	0.05231455	0.038724481	transmembrane protein
AT1G61490	1.999541333	2.500375252	0.00514689	0.030523571	S-locus lectin protein kinase family protein
AT3G00970	#jDIV/0!	#jDIV/0!	0.183983935	0.015023616	NA
AT3G48780	1.585151649	2.006430593	0.019722958	0.00207243	serine palmitoyltransferase 1
AT4G11530	1.856336738	2.323802968	0.010509857	0.001334048	cysteine-rich RLK (RECEPTOR-like protein kinase) 34
AT2G44383	1.936188034	2.071186989	0.176654721	0.00709316	NA
AT3G47875	8.997475361	6.544917232	0.202590264	0.044867428	NA
AT1G78955	1.613985874	3.889603519	0.211178966	0.006908184	camelliol C synthase 1
AT4G07960	1.588207742	3.275226333	0.095362845	0.016010428	Cellulose-synthase-like C12
AT4G23230	#jDIV/0!	#jDIV/0!	0.194581166	0.015719544	cysteine-rich RECEPTOR-like kinase
AT5G13200	1.982072524	2.809192745	0.079519113	4.65032E-05	GRAM domain family protein
AT5G57510	6.781034124	33.44612845	0.081276211	0.001604565	cotton fiber protein
AT3G55840	14.03248662	40.92593878	0.067792579	0.003338919	Hs1pro-1 protein
AT2G33780	24.41249826	32.76264402	0.277717632	0.048919526	VQ motif-containing protein

AT2G35510	1.453648431	2.11917522	0.077138646	0.003817644	similar to RCD one 1
AT4G16892	2.465019987	2.546101514	0.187673086	0.035535173	NA
AT4G00300	1.574959715	2.748493645	0.02590898	0.016154286	receptor-like kinase
AT1G01260	1.865461607	2.605019971	0.165472491	0.000120276	basic helix-loop-helix (bHLH) DNA-binding superfamily protein
AT2G30990	1.525198552	2.028582303	0.08315637	0.003105808	arginine N-methyltransferase%2C putative (DUF688)
AT1G19780	5.425640716	8.39349591	0.100850192	0.018204789	cyclic nucleotide gated channel 8
AT1G67970	1.803682243	2.560328012	0.006193308	0.006700777	heat shock transcription factor A8
AT3G51890	1.939135471	2.781718776	0.018843078	0.001452242	Clathrin light chain protein
AT2G44070	1.162342285	3.274560223	0.733036913	0.021492088	NagB/RpiA/CoA transferase-like superfamily protein
AT2G24610	1.890533251	4.092728352	0.115120012	0.000127748	cyclic nucleotide-gated channel 14
AT2G32200	3.580595461	11.35632237	0.075341876	0.009665573	cysteine-rich/transmembrane domain A-like protein
AT1G25220	4.23363378	3.887596346	0.051411231	0.034131636	anthranilate synthase beta subunit 1
AT2G04305	1.412022466	2.070100829	0.013286761	0.002677939	Magnesium transporter CorA-like family protein
AT3G53150	1.923959808	3.82110081	0.065256919	0.0249641	UDP-glucosyl transferase 73D1
AT3G13900	7.129207724	8.329149145	0.050075064	0.042697273	ATPase E1-E2 type family protein / haloacid dehalogenase-like hydrolase family protein
AT2G37370	2.168749568	5.265621763	0.660161994	0.038747273	centrosomal protein of 135 kDa-like protein
AT1G58400	1.387838508	2.219485599	0.151117507	0.024035341	Disease resistance protein (CC-NBS-LRR class) family
AT2G28920	#jDIV/0!	#jDIV/0!	0.422649731	0.000970914	RING/U-box superfamily protein
AT3G03050	1.292160749	2.024597378	0.09055422	0.016172696	cellulose synthase-like D3
AT2G02010	5.003522143	18.94597535	0.130972035	0.003654485	glutamate decarboxylase 4
AT1G79330	1.354344128	2.119578784	0.561048438	0.012421179	metacaspase 5
AT4G37640	2.730916735	8.310833554	0.051757268	0.005389571	calcium ATPase 2
AT1G59850	1.21684286	3.008941453	0.623957118	0.037560626	ARM repeat superfamily protein
AT2G32820	#jDIV/0!	#jDIV/0!	0.422649731	0.037526967	Transcription elongation factor (TFIIS) family protein
AT2G30690	4.560600535	4.18153416	0.092624896	0.020774797	lateral signaling target-like protein (Protein of unknown function%2C DUF593)
AT3G48650	18.81977742	84.57223255	0.085925364	0.026726786	NA
AT3G19970	1.841753151	4.844662951	0.076926249	0.003368834	alpha/beta-Hydrolases superfamily protein
AT2G03925	#jDIV/0!	#jDIV/0!	0.231147848	0.016757673	NA
AT5G22680	5.69138431	13.17113429	0.251733061	0.00066135	F-box protein
AT3G20410	1.665663164	2.419983638	0.003949273	0.014296572	calmodulin-domain protein kinase 9
AT5G64300	1.476138759	2.083550008	0.00831788	0.00951029	GTP cyclohydrolase II
AT1G56060	23.10487781	115.9691159	0.156571217	0.011978251	cysteine-rich/transmembrane domain protein B
AT4G33920	1.688648455	3.51245444	0.001282866	0.014658404	Protein phosphatase 2C family protein
AT5G45750	1.587725513	2.199562744	0.013655235	0.001743945	RAB GTPase homolog A1C
AT5G39090	2.114760804	2.078931577	0.05595697	0.008888657	HXXXD-type acyl-transferase family protein
AT5G43890	1.300885256	2.60389597	0.154376696	0.0017407	Flavin-binding monooxygenase family protein
AT4G21700	1.402320879	2.085743227	0.013825991	0.000478302	DUF2921 family protein%2C putative (DUF2921)
AT3G05360	2.294024309	3.127270821	0.055622477	0.022718271	receptor like protein 30
AT3G46330	2.283741237	2.988461562	0.128041081	0.041572904	Leucine-rich repeat protein kinase family protein
AT5G00965	#jDIV/0!	#jDIV/0!	0.422649731	0.045168092	NA

AT1G07897	6.683268657	5.244743972	0.230906232	0.03386415	NA
AT2G20110	1.77864796	2.124096667	0.009210433	0.001957151	Tesmin/TSO1-like CXC domain-containing protein
AT1G11200	1.687319313	4.492423677	0.026430208	0.009176675	organic solute transporter ostalpha protein (DUF300)
AT1G01130	2.339436555	2.354485149	0.135808569	0.000252161	CBL-interacting Serine/Threonine-kinase
AT1G04200	1.52210099	2.191833874	0.099077933	0.00162747	dyggve-melchior-clausen syndrome protein
AT1G03770	1.750294809	2.10005463	0.137143192	0.041847031	RING 1B
AT5G53830	1.30003604	2.374700854	0.187865567	0.004562488	VQ motif-containing protein
AT3G56710	3.988729812	7.829032351	0.058107055	0.001642171	sigma factor binding protein 1
AT5G22380	#jDIV/0!	#jDIV/0!	0.141163907	0.005658343	NAC domain containing protein 90
AT3G52870	1.907581246	2.379768432	0.01687822	0.000344998	IQ calmodulin-binding motif family protein
AT4G15070	1.383199974	2.144655365	0.187584943	0.039411215	Cysteine/Histidine-rich C1 domain family protein
AT4G30060	1.884406425	3.058366345	0.090326982	0.006192782	Core-2/I-branching beta-1%2C6-N-acetylglucosaminyltransferase family protein
AT5G66850	1.91117453	4.63392743	0.038902252	0.003879402	mitogen-activated protein kinase kinase kinase 5
AT4G26095	2.001652868	3.241092497	0.066215062	0.001089593	NA
AT1G18970	2.896401846	7.073537819	0.139894654	0.005374015	germin-like protein 4
AT2G15040	6.117443707	6.586277776	0.231275245	0.027976877	NA
AT5G03630	1.595011278	2.157095773	0.009480283	0.010739402	Pyridine nucleotide-disulfide oxidoreductase family protein
AT5G62560	1.507287717	2.162089643	0.000136804	0.000102521	RING/U-box superfamily protein with ARM repeat domain-containing protein
AT2G43320	1.686964505	2.655935163	0.2117638	0.010441218	S-adenosyl-L-methionine-dependent methyltransferases superfamily protein
AT1G29290	1.818613573	4.464911039	0.173326977	0.000108796	B-cell lymphoma 6 protein
AT5G37770	1.443721379	2.978260527	0.248484097	0.002014309	EF hand calcium-binding protein family
AT2G23420	1.239695125	2.941425098	0.151823199	0.004796202	nicotinate phosphoribosyltransferase 2
AT1G65240	2.608758114	6.266563852	0.107789894	0.003085279	Eukaryotic aspartyl protease family protein
AT3G47130	1.343098154	2.43455279	0.404483385	0.030376238	F-box associated ubiquitination effector family protein
AT3G02430	#jDIV/0!	#jDIV/0!	0.422649731	0.043108163	transmembrane protein%2C putative (DUF679)
AT5G56510	#jDIV/0!	#jDIV/0!	0.422649731	0.00082844	pumilio 12
AT3G57380	2.173331063	2.498501726	0.121977458	0.043126406	Glycosyltransferase family 61 protein
AT4G35500	1.484663397	2.62352029	0.093364656	0.000686902	Protein kinase superfamily protein
AT2G01379	#jDIV/0!	#jDIV/0!	0.277717561	0.013871356	transmembrane protein
AT4G23070	1.767569949	2.456764692	0.029109791	0.004949296	RHOMBOID-like protein 7
AT1G01560	23.35399694	101.1637906	0.055744667	0.002928214	MAP kinase 11
AT5G42140	1.381345253	2.076559832	0.097962411	0.000730452	Regulator of chromosome condensation (RCC1) family with FYVE zinc finger domain-containing protein
AT2G09025	#jDIV/0!	#jDIV/0!	0.422649731	0.035803252	NA
AT2G20950	1.891774851	2.23640256	0.052817935	0.007953012	phospholipase-like protein (PEARL1 4) family protein
AT1G48320	1.593670171	2.099476911	0.114975457	0.009749142	Thioesterase superfamily protein
AT2G44600	1.547175602	2.046246453	0.054214354	0.02348531	hypothetical protein
AT2G20880	1.302637054	6.678925714	0.697163025	0.014617962	Integrase-type DNA-binding superfamily protein
AT5G50580	#jDIV/0!	#jDIV/0!	0.184499069	0.00468988	SUMO-activating enzyme 1B
AT3G52710	1.94691299	3.022814649	0.028289002	6.41895E-05	hypothetical protein
AT3G23030	1.834877568	2.173260794	0.102259714	0.000304625	indole-3-acetic acid inducible 2

AT1G14740	1.641777302	2.243398417	0.0101255	0.00027438	class I heat shock protein%2C putative (DUF1423)
AT1G63500	1.56289255	2.241504758	0.00383869	0.000301631	kinase with tetratricopeptide repeat domain-containing protein
AT3G15358	1.60151726	3.275243799	0.22183412	0.021193991	transmembrane protein
AT3G07780	1.445371243	2.049557388	0.023615662	0.003144391	potyvirus VPg interacting protein (DUF1423)
AT1G33760	3.269825786	6.432167939	0.078836383	3.27349E-05	Integrase-type DNA-binding superfamily protein
AT1G10650	1.339487736	2.141591188	0.020812699	0.002034785	SBP (S-ribonuclease binding protein) family protein
AT1G19270	1.932843202	2.671873841	0.007032784	0.004961615	DA1
AT5G52870	1.791526606	2.42286689	0.057963585	0.002005481	membrane-associated kinase regulator
AT3G27560	1.789090155	2.966357696	0.002082109	0.005061545	Protein kinase superfamily protein
AT5G61380	1.755997354	2.631287428	0.006491309	0.009168596	CCT motif -containing response regulator protein
AT3G61640	1.429193485	2.576372474	0.024280261	0.000482051	arabinogalactan protein 20
AT3G20590	1.15281809	2.349485003	0.583585621	0.027440367	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family
AT5G11140	79.42778568	484.5071763	0.089501309	0.006266564	phospholipase-like protein (PEARL1 4) family protein
AT2G32800	1.730751759	3.333212134	0.098952586	2.95149E-05	protein kinase family protein
AT5G02490	1.312514331	2.031729536	0.013847201	0.020483368	Heat shock protein 70 (Hsp 70) family protein
AT5G39100	#jDIV/0!	#jDIV/0!	0.110104802	0.025545259	germin-like protein 6
AT1G72760	2.032142966	2.191525421	0.148243433	0.024768289	Protein kinase superfamily protein
AT3G20520	3.58598026	8.957699713	0.308423493	0.008253932	SHV3-like 3
AT2G21120	1.764344437	2.684551156	0.001001666	0.000805219	magnesium transporter%2C putative (DUF803)
AT2G27080	1.80314393	3.466297641	0.006587943	0.018609489	Late embryogenesis abundant (LEA) hydroxyproline-rich glycoprotein family